Groundwater Monitoring Report Cover Sheet

Site Name: Coakley Landfill

Town: North Hampton

Permit #: 198712001

Type of Submittal (*Check all that apply*)

☒ Periodic Summary Report (*year*) : 2011

☐ Data Submittal (*month and year per Condition #7 of Permit*):

Check each box where the answer to any of the following questions is "YES"

Sampling Results

☒ During the most recent monitoring event, were any new compounds detected at any sampling point?
Well/Compound: AE-1B / Al, Pb; FPC-5A, FPC-5B, GZ-105/1,4-Dioxane

FPC-5A, FPC-5B, FPC-6A / Copper

☐ Are there any detections of contamination in drinking water that is untreated prior to use?
Well/Compound:
- □ Do compounds detected exceed AGQS?

☐ Was free product detected for the first time in any monitoring point?
- ☐ Surface Water (*visible sheen*)
- ☐ Groundwater (*1/8" or greater thickness*)

Location/Thickness:

Contaminant Trends

☐ Do sampling results show an increasing concentration trend in any source area monitoring well?
Well/Compound:

☐ Do sampling results indicate an AGQS violation in any of the GMZ boundary wells?
Well/Compound:

Recommendations

☒ Does the report include any recommendations requiring DES action? (*Do not check this box if the only recommendation is to continue with existing permit conditions.*)
Changes in wells for analysis of 1,4-dioxane

This form is to be completed for groundwater monitoring data submittals and periodic summary reports submitted to the New Hampshire Department of Environmental Services Waste Management Division.

DES Waste Management Division
29 Hazen Drive; PO Box 95
Concord, NH 03302-0095

2011 ANNUAL REPORT
Coakley Landfill
480 Breakfast Hill Road
North Hampton, NH

NHDES Site #: 198712001
Project Type: CERCLA
Project Number: 431
EPA ID #NHD064424153

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Date of Report: March 28, 2012

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1.0 INTRODUCTION

At the request of the Coakley Landfill Group, Provan & Lorber, Inc. has performed post-closure monitoring for the former Coakley Landfill site (the "Site"), located in North Hampton and Greenland, New Hampshire. The Site includes approximately 92-acres located within the towns of North Hampton and Greenland, New Hampshire. The actual landfill covers approximately 27 acres. The Site is located between about 400 to 800 feet west of Lafayette Road (U.S. Rt. 1), south of Breakfast Hill Rd, and about 2.5 miles northeast of the center of the Town of North Hampton, New Hampshire. The Greenland-Rye town line forms a major portion of the eastern boundary of the Site. The landfill borders farmland, undeveloped woodlands and wetlands to the north and west. Commercial and residential properties border the Site to the east and south. Background information has been summarized in numerous previous reports, including the Project Operations Plan (POP) prepared in April 2010 by Golder Associates. A Site Location Map is included as **Figure 1**.

Groundwater monitoring was performed in accordance with the Project Operations Plan (POP) and Environmental Monitoring Plan (EMP) revision 1.0, dated April 2010, with the exceptions and revisions noted below. Copies of the EMP monitoring requirements tables are included in **Section 1**.

Due to changes in the required sampling procedures, sampling of the three 6-inch diameter wells (MW-6, BP-4, and GZ-125) was performed using a Discrete Interval Sampler, following the SOP dated January 2011 and approved by the EPA. Analysis of samples collected from additional wells for 1,4-dioxane was performed, as recommended in the 2010 Annual Report, dated April 25, 2011 and prepared by Provan & Lorber, Inc. The EMP required sampling of selected wells for ethylene dibromide (EDB) and dibromochloropropane (DBCP) in 2010, with future analysis based on the 2010 results. Since EDB and DBCP were not detected in 2010, no analysis for these compounds was performed in 2011. As during previous monitoring events, monitoring well RMW-3 was obstructed and could not be sampled.

Domestic well R-5 serves the residence at 399 Breakfast Hill Road. During the 2011 sampling event, the residence appeared to be unoccupied. The owner of the property was contacted and confirmed that the residence is currently unoccupied. Additionally, the owner indicated that the water system had been winterized and that the well is temporarily out of service. Therefore, sampling of well R-5 could not be performed.

2.0 AUGUST 2011 MONITORING AND SAMPLING PROCEDURES

2.1 Groundwater Sampling Procedures

Water levels were measured in selected monitoring wells using an electronic water-level indicator prior to sampling. The calculated groundwater elevations are summarized on **Table 1**. YSI multimeters for measurement of field stabilization parameters were

calibrated daily with calibrations rechecked at the end of the day. Calibration sheets are included in **Section 2**. Due to the automatic shut-off feature, the turbidity meters were calibrated at the start of purging for each well.

Sampling was performed from August 15 – 19, 2011. With the exceptions noted below, monitoring wells were purged and sampled following low flow sampling techniques using dedicated Teflon-lined polyethylene tubing and a peristaltic pump. Prior to sampling, wells were purged at flow rates ranging from 0.1 to 0.75 liters per minute. Purging times ranged from 25 minutes to over 3 hours, until stabilization of the following monitoring parameters: temperature, pH, specific conductance, oxidation reduction potential (ORP), dissolved oxygen, and turbidity. Final stabilization readings are included on **Tables 2 and 3**. Field data sheets are included in **Section 2**. Low flow sampling procedures are further described in the SOP, included in the Site POP. Due to very slow well recharge, drawdown in several wells was greater than the recommended maximum of 0.3 feet. Drawdown measurements are included on the field data sheets in **Section 2**.

Two YSI-650MDC multimeters, equipped with flow-though cells, were used for measurement of field stabilization parameters. The meters were calibrated at the beginning of each day in accordance with procedures outlined in the POP and manufacturer's procedures. Two Lamotte 2020e turbidity meters were calibrated at the beginning of each day. Due to the meter's automatic shut-off feature, turbidity meters were calibrated when turned on at the beginning of purging at each well. Water for measurement of turbidity was obtained using a "T" intersection and valve prior to the flow-through cell. Procedures for measurement of field parameters and stabilization criteria are included in the SOP.

Monitoring wells with screened intervals longer than 10 feet were purged of a minimum of three volumes of the well screened interval. For all wells sampled, purging and sampling was performed with the bottom of the tubing located at approximately the middle of the screened interval of the well. Tubing intake depths are summarized on the sampling requirements **Table 2-1** from the EMP, included in **Section 1** for reference. For collection of samples, the flow-through cell was removed and water was obtained immediately after the peristaltic pump. A sample was also collected from domestic well R-3, located at 368 Breakfast Hill Road. The water was allowed to run for approximately 10 minutes prior to sampling. Measurements were collected for the above-described stabilization parameters.

The depths to water in wells MW-4 and AE-1B were too great to allow sampling using a peristaltic pump. Therefore, MW-4 and AE-1B were purged and sampled using dedicated disposable bailers. Purging was performed by very slowly lowering and withdrawing the bailer from the water column to minimize disturbance of the well. Stabilization parameters were obtained by filling the YSI calibration cup with water from the bailer.

Bedrock wells MW-6, BP-4, and GZ-125 were sampled using a discrete interval sampler. Sampler pressurization requirements were determined based on the depth to water and the desired sampling depth. Samples were collected at a depth of 49 feet in BP-4, at a depth of 150 feet in MW-6, and at a depth of 72 feet in GZ-125 using a 1.66" x 2' Solinst® Discrete Interval Sampler which was pressurized using a cylinder of compressed nitrogen following the procedures outlined in the January 2011 SOP. A larger sampler was not available. Therefore, due to the limited volume of the sampler, multiple deployments of the sampler were required at each well to fill the sample containers and collect field measurements. The sampler was lowered approximately one foot lower during each subsequent deployment. Following sample collection, measurements were collected for the above-described stabilization parameters by filling the YSI calibration cup with water from the well.

Upon collection, each water sample was placed in pre-cleaned laboratory glassware and plastic containers, preserved as appropriate for target compounds. Samples for VOCs analyses were collected first, followed by samples for metals analyses. Samples for analysis of dissolved metals were field filtered with one-time use 0.45-micron filters prior to preservation. In-line filters were used for samples collected using a peristaltic pump. Laboratory-supplied syringes and filters were used for samples collected using bailers and the discrete interval sampler. Samples were packaged on ice in a shipping cooler and delivered to Eastern Analytical, Inc. in Concord, NH for laboratory analysis as outlined in the EMP. Additional samples were also analyzed for low level 1,4-dioxane by EPA Method 8260B SIM with a reporting limit of 1 part per billion (ppb). All VOCs analyses by EPA Method 8260B also included 1,4-dioxane, but with a higher reporting limit of 50 ppb. Sample locations are illustrated on **Figure 2 – Site Plan**.

2.2 Surface Water and Sediment Sampling Procedures

In accordance with EMP dated April 2010, sediment sampling at the Site was reduced to once every 5 years, with the next sediment sampling to be performed in 2014. Therefore, sediment sampling was not performed in August 2011.

Surface water and leachate samples were collected by submersing a dedicated disposable bailer at the sample location. The intake point for the bailer was maintained at a point below the top of the water but above the underlying sediments to minimize the intake of sediments and/or floating materials. The water was then decanted into the appropriate containers for sample preservation. Samples were packaged on ice in a shipping cooler and delivered to Eastern Analytical Inc. for laboratory analysis. Following collection of the samples for laboratory analysis, field measurements were collected for temperature, pH, specific conductance, ORP, and dissolved oxygen by placing the instrument probe directly into the water. The sample for testing of turbidity was collected by submersing the testing vial into the surface water to collect the sample. Leachate and surface water sample locations are indicated on **Figure 2**.

2.3 Quality Control Samples

Duplicate samples were collected from MW-5S and AE-3B and analyzed for volatile organic compounds (VOCs; 8260B), 1,4-dioxane (8260B SIM), total 23 TAL metals, and for dissolved iron and manganese.

Matrix spike (MS) and matrix spike duplicate (MSD) samples were also collected from MW-5S and AE-3B for use in QA/QC for VOCs, 1,4-dioxane, total TAL metals, and dissolved iron and manganese.

A duplicate sample was collected from the leachate location (L-1) and analyzed for COD and ammonia. MS and MSD samples were also collected from L-1 for use in QA/QC for ammonia. All duplicate, MS, and MDS samples were collected immediately following collection of the primary sample for the same analysis and following the same sampling procedures.

Field blank samples were prepared following sampling of wells MW-5S and AE-3B. Samples were collected by pouring deionized water into the sample containers and the samples were placed with the other samples collected from the Site. The field blank samples for analysis of dissolved metals were filtered using a 0.45-micron filter prior to placement in the sample container. Both field blank samples were analyzed for VOCs, 1,4-dioxane, total TAL metals, and for dissolved iron and manganese.

Following decontamination, an equipment rinse blank was collected for the discrete interval sampler by filling the sampler with deionized water. The water was allowed to remain in the sampler for approximately 5 minutes and then dispensed through the bottom of the sampler into the sample containers, as outlined in the Discrete Interval Sampler SOP. The equipment blank sample for analysis of dissolved metals was filtered using a 0.45-micron filter prior to placement in the sample container. The equipment blank was analyzed for VOCs, 1,4-dioxane, total TAL metals, and for dissolved iron and manganese.

Each set of samples sent to the laboratory was accompanied by trip blanks that were analyzed for VOCs and 1,4-dioxane.

An EPA Region I, Tier I data validation was performed for the laboratory analytical data by *Quality Assurance Associates, LLC.*

3.0 FINDINGS

3.1 EMP Monitoring Groundwater Results

The general groundwater flow direction was determined to be westerly to northwesterly in both the overburden and bedrock wells. Groundwater contours constructed from the August 2011 water table data for overburden wells and bedrock wells are illustrated in

Figures 3 and 4, respectively. Groundwater elevations increased an average of 0.70 feet in overburden wells and an average of 0.50 feet in bedrock wells between the August 2010 and August 2011 sampling events. An upward hydraulic gradient was observed at well pairs MW-5S/5D, AE-3A/B, FPC-5A/B, FPC-6A/B, FPC-11A/B and GZ-123/GZ-125. Downward hydraulic gradients were observed in well pairs AE-1A/B, AE-2A/B, AE-4A/B, FPC-2A/B, FPC-7A/B, and FPC-8A/B.

Concentrations of arsenic exceeded the interim cleanup level (ICL) in Operable Unit 1 (OU-1) in the following wells: MW-4, MW-5S, MW-5D, MW-8, MW-9, MW-10, OP-2, OP-5, and BP-4.

Concentrations of manganese exceeded the ICL in OU-1 in the following wells: MW-4, MW-5S, MW-5D, MW-6, MW-8, MW-9, MW-10, MW-11, OP-2, OP-5, and BP-4.

The concentration of benzene exceeded the ICL in OU-1 well MW-8.

Concentrations of arsenic exceeded the ICL in Operable Unit 2 (OU-2) in the following wells: FPC-5A, FPC-9A, GZ-105, AE-1A, AE-2A, AE-2B, AE-3A, and AE-3B.

Concentrations of manganese exceeded the ICL in OU-2 in the following wells: FPC-2A, FPC-6A, FPC-6B, FPC-11A, GZ-105, GZ-123, AE-1A, AE-1B, AE-2A, AE-2B, AE-3A, AE-3B, and AE-4A.

The concentration of benzene exceeded the ICL in OU-2 well GZ-105.

Concentrations of dissolved manganese were generally very similar to the concentrations of total manganese. Concentrations of dissolved metals exceeded ICLs where concentrations of total metals exceeded ICLs. For the majority of wells, concentrations of dissolved and total iron were similar. However, concentrations of dissolved iron were significantly less than concentrations of total iron in a few wells.

1,4-Dioxane was detected in samples collected from 8 of 10 monitoring wells in OU-1. 1,4-Dioxane was detected in 7 of 22 monitoring wells in OU-2. Detections of 1,4-dioxane in OU-2 were generally in wells close to OU-1. Concentrations of 1,4-dioxane were generally greater in bedrock wells, compared to adjacent overburden wells. A spatial depiction of 1,4-dioxane concentrations in groundwater is included as **Figure 9**. An Interim Cleanup Level (ICL) has not been established for this site for 1,4-dioxane. However, the New Hampshire Ambient Groundwater Quality Standard (AGQS) for 1,4-dioxane is 3 µg/l.

Groundwater analytical results for OU-1 and OU-2 wells are summarized on **Tables 2 and 3**, respectively. Target compounds were not detected in the sample collected from the residential well. Residential well results are summarized on **Table 4**. The laboratory reports are included in **Section 3**.

The lateral distributions of arsenic and manganese in overburden and bedrock wells are illustrated on **Figures 5 through 8**. The lateral distributions of 1,4-dioxane in overburden and bedrock wells are illustrated on **Figure 9**.

3.2 Surface Water Results

Concentrations of aluminum and lead exceeded DES chronic surface water standards at surface water location SW-4, but were below the acute standards.

Concentrations of iron exceeded the DES chronic surface water standards at surface water locations SW-4 and SW-5 and at leachate location L-1. An acute surface water standard has not been established for iron.

The concentration of copper lead exceeded the DES chronic surface water standard at surface water location SW-5, but was below the acute standards.

The concentration of ammonia exceeded the DES chronic surface water standards at leachate location L-1, but was below the acute surface water standard.

1,4-Dioxane was detected in the leachate sample at a concentration of 25 µg/l, exceeding the New Hampshire AGQS. A site-specific ICL has not been established for 1,4-dioxane.

Surface water analytical results are summarized on **Table 5**. Historic results for SW-5 are summarized on **Table 6**. Leachate results are summarized on **Table 7**. The laboratory reports are included in **Section 3**.

3.3 Quality Control Sample Results

Variations in duplicate samples met accepted criteria. Target compounds were not detected in any of the trip blank samples.

Calcium was detected in the equipment blank sample prepared on August 15, 2010 at a concentration of 0.06 mg/l, slightly over the reporting limit of 0.05 mg/l. Calcium was not detected in the field blank samples. The lowest concentration of calcium detected in groundwater samples collected for the Site was 4.1 mg/l, considerably above the concentrations detected in the blank samples.

Analyses of the MS/MSD samples for AE-3B slightly exceeded the allowed relative percent difference (RPD) for 1,4-dioxane (EPA 8260B). The LCS/LCSD samples were within acceptable RPD criteria. Analyses of the MS/MSD samples for MW-5S exceeded the allowed relative percent difference (RPD) for tertiary-butyl alcohol (TBA), tetrahydrofuran (THF), 1,4-dioxane (EPA 8260B), and magnesium.

3.4 Data Validation Review

Some raw data packages were not included with the original laboratory reports. This data was subsequently supplied by the laboratory and is included with the laboratory reports presented in this report. On each lab report, recoveries for some VOC compounds were outside accepted limits. However, for compounds where recoveries were outside accepted limits, these compounds were not detected in the samples and therefore this does not affect the results. For lab report #102455, the laboratory reported a sample ID of GW-AE-38DUP-0811, rather than GW-AE-3B-DUP-0811. For lab report #102479, the chain-of-custody was inadvertently marked for analysis of the trip blank for Total Metals. The laboratory correctly reported results for 1,4-Dioxane.

The data validation reports are included in **Section 5**.

4.0 TRENDS AND CLEANUP PROGRESS

Concentrations of manganese exceeded the ICL in samples collected from all eleven monitoring wells in OU-1. Concentrations of arsenic exceeded the ICL in samples collected from 9 of the 11 wells in OU-1. The concentration of benzene exceeded the ICL in OU-1 well MW-8.

Concentrations of manganese exceeded the ICL in samples collected from 13 of the 25 monitoring wells in OU-2. Concentrations of arsenic exceeded the ICL in samples collected from 8 of the 25 wells in OU-2. The concentration of benzene exceeded the ICL in OU-2 well GZ-105.

The lateral distributions of arsenic and manganese in overburden and bedrock wells are illustrated on **Figures 5 through 8**. Graphs illustrating contaminant concentrations over time for arsenic, manganese, and benzene in selected wells are included in **Section 4**. Concentrations of arsenic increased in 15 wells, decreased in 11 wells, and remained unchanged in 10 wells relative to the 2010 sampling event. Concentrations of manganese increased in 19 wells, decreased in 13 wells, and remained unchanged in 4 wells relative to the 2010 sampling event.

The Mann-Kendall data evaluations performed for the 2010 Annual Report were updated with the 2011 data to examine trends for arsenic, manganese, and benzene concentrations in selected wells. The evaluation performs a statistical analysis of the data to determine increasing or decreasing trends in contaminant concentrations at the particular sampling point and a confidence level for the trend. A confidence level less than 70% is treated as "No Trend".

The evaluation was performed for arsenic at 19 wells, for manganese at 19 wells, and for benzene at 5 wells, with these wells and compounds corresponding to the graphs of concentrations versus time included in **Section 4**. Data for the most recent 20 data sets

were used. Where the target compound was not detected, a value of one-half of the laboratory reporting limit was used.

For arsenic, decreasing trends were calculated for 9 wells, increasing trends for 6 wells, and no trend for 4 wells. For manganese, decreasing trends were calculated for 13 wells, increasing trends for 4 wells, and no trend for 2 wells. For benzene, decreasing trends were calculated for 4 wells and no trend for 1 well. Overall, contaminant concentrations in groundwater at the Site show a decreasing trend. No correlation between trends for arsenic and manganese within the same well, well pairs, or spatially were noted. A summary of results by wells and compounds is included in **Section 4**.

1,4-Dioxane was detected in samples collected from 7 of 10 monitoring wells in OU-1 at concentrations exceeding the New Hampshire AGQS. 1,4-Dioxane was detected in samples collected from 7 of 22 monitoring wells in OU-2 at concentrations exceeding the New Hampshire AGQS. 1,4-Dioxane was detected in one well in OU-1 at a concentration below the AGQS. An ICL has not been established for this Site. Concentrations of 1,4-dioxane were generally greater in bedrock wells, compared to adjacent overburden wells. Limited sampling for 1,4-dioxane has been performed at the Site. Therefore, an assessment of trends in 1,4-dioxane concentrations cannot be performed. The lateral distribution of 1,4-dixane in bedrock and overburden wells is illustrated on **Figure 9**.

5.0 SUMMARY AND CONCLUSIONS

Based on data collected at the Site during August 2011, Provan & Lorber concludes the following:

- Water samples were collected from 36 monitoring wells, 3 surface water locations, 1 leachate location, and 2 domestic wells in August 2011.
- Groundwater flows in both overburden and bedrock wells were calculated to be westerly to northwesterly during the August 2011 monitoring event, consistent with previous monitoring events.
- An upward hydraulic gradient was observed at well pairs MW-5S/5D, FPC-5A/B, FPC-6A/B, FPC-11A/B, AE-3A/B, and GZ-123/GZ-125. Downward hydraulic gradients were observed in well pairs FPC-2A/B, FPC-7A/B, FPC-8A/B, AE-1A/B, AE-2A/B, and AE-4A/B. With the exception of FPC-2A/B and AE-2A/B, this is consistent with the 2010 monitoring event.
- Interim cleanup levels (ICLs) were exceeded in samples collected from all eleven (11) monitoring wells in Operable Unit #1. ICLs were exceeded in samples collected from fifteen (15) of twenty five (25) monitoring wells in Operable Unit #2. The most common exceedances were for arsenic and manganese. Exceedances were also noted for benzene in two wells.

- 1,4-Dioxane was detected in 7 of 10 samples from monitoring wells in OU-1, in 7 of 22 samples from monitoring wells in OU-2, and in the leachate sample at concentrations exceeding the New Hampshire AGQS. An ICL has not been established for the site. The lateral extent of 1,4-dioxane impacted groundwater has been defined for the Site.
- Overall, contaminant concentrations in groundwater at the Site show a decreasing trend. No correlation between trends for arsenic and manganese within the same well, well pairs, or spatially were noted.
- Overall contaminant concentrations are decreasing in groundwater at the Site. However, concentrations at several monitoring points show an increasing trend, while concentrations at additional monitoring points are generally stable. Therefore, determination of the remedy schedule is difficult.
- NHDES surface water standards were exceeded for iron and ammonia in the leachate sample collected in 2011.
- Surface water standards were exceeded for aluminum, iron, and lead at location SW-4. Surface water standards were exceeded for copper and iron at location SW-5. Surface water standards were not exceeded at location SW-103.
- Variations in duplicate samples met accepted criteria. Target compounds were not detected in any of the trip blank samples.
- Calcium was detected in the discrete interval sampler equipment blank at a concentration of 0.06 mg/l. The lowest concentration of calcium detected in groundwater samples collected at the Site was 4.1 mg/l, considerably above the concentration detected in the blank samples. Low concentrations of calcium had been detected in previous equipment blank and field blank samples for the Site and is likely present in the deionized water used for preparation of the blanks.
- Based on this data, cross contamination does not appear to be an issue for the Site. The presence of calcium in the blank samples does not appear to impact the conclusions for the Site.

6.0 RECOMMENDATIONS

Based on data collected at the Site, Provan & Lorber recommends the following:

- In accordance with the current monitoring plan, the next monitoring event should be scheduled for August 2012.
- Continued analysis of selected wells for 1,4-dioxane should be performed. To monitor concentrations, we recommend the sampling of overburden wells MW-4, MW-5S, MW-9, FPC-5A, FPC-6A, FPC-8A, AE-2A, AE-3A, AE-4A, and OP-2 and bedrock wells BP-4, MW-5D, MW-6, MW-8, MW-11, FPC-4B, FPC-5B, FPC-6B, FPC-8B, GZ-105, AE-2B, AE-3B, and AE-4B for 1,4-dioxane during the August 2012 sampling event.

- No future analysis for 1,4-dioxane is recommended for wells FPC-2A, FPC-2B, FPC-7A, FPC-7B, GZ-123, GZ-125, AE-1A, AE-1B, and OP-5.
- Depending on the results of the 2012 sampling event, we anticipate discontinuing subsequent analysis for 1,4-dioxane in wells MW-6, FPC-4B, FPC-6A, FPC-6B, AE-4A, and AE-4B.
- In the Third Five Year Review Report, dated September 2011 and prepared by the EPA, sampling of domestic wells R-3 and R-5 for 1,4-dioxane was recommended. In accordance with this recommendation, sampling of R-3 and R-5 for 1,4-dioxane will be added to the 2012 sampling event.

If you have any questions, please do not hesitate to call me at (603) 746-3220.

Sincerely,

Kevin McKibben, P.G.
Environmental Department Manager
Provan & Lorber, Inc.

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FIGURES

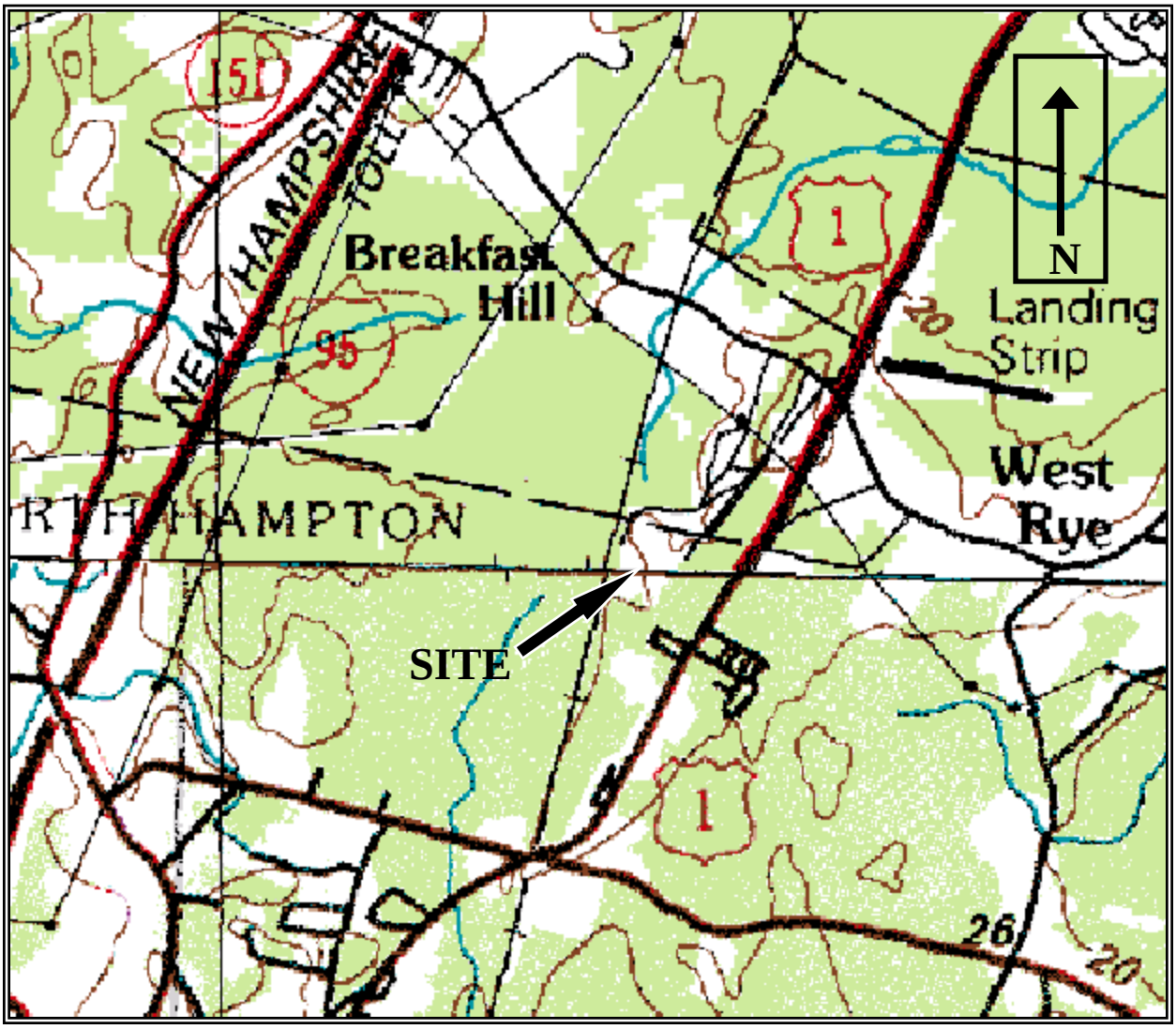


Image courtesy of the U.S. Geological Survey

km 0.4 0.8 1.2
mi 0.2 0.4 0.6 0.8

Map Based on USGS
Dover, NH (1985)
and
Exeter, NH (1977)
Quadrangle Maps, 15' Series

Figure 1

LOCATION MAP

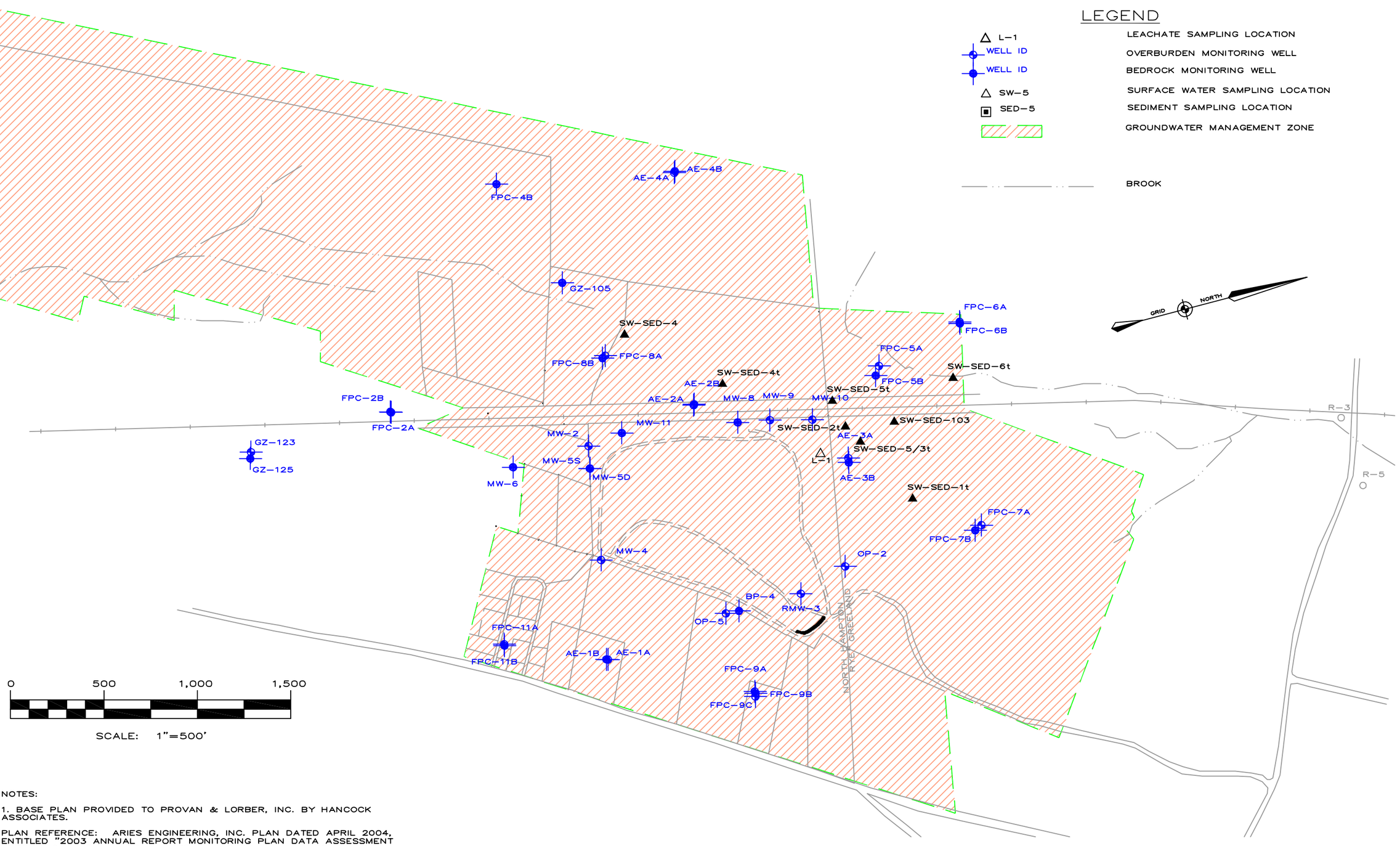
Coakley Landfill

North Hampton, NH

Provan & Lorber, Inc.
Project P1081 August 2011

LEGEND

- L-1 — LEACHATE SAMPLING LOCATION
- WELL ID — OVERBURDEN MONITORING WELL
- WELL ID — BEDROCK MONITORING WELL
- SW-5 — SURFACE WATER SAMPLING LOCATION
- SED-5 — SEDIMENT SAMPLING LOCATION
- GROUNDWATER MANAGEMENT ZONE
- BROOK



NOTES:

1. BASE PLAN PROVIDED TO PROVAN & LORBER, INC. BY HANCOCK ASSOCIATES.

PLAN REFERENCE: ARIES ENGINEERING, INC. PLAN DATED APRIL 2004, ENTITLED "2003 ANNUAL REPORT MONITORING PLAN DATA ASSESSMENT REPORT, COAKLEY LANDFILL, NORTH HAMPTON, NEW HAMPSHIRE, SITE PLAN.

2. ADDITIONAL MONITORING WELL LOCATIONS BASED ON PLAN BY GOLDER ASSOCIATES TITLED "ENVIRONMENTAL MONITORING NETWORK" DATED 08/16/07.

3. SURFACE WATER AND SEDIMENT SAMPLE LOCATIONS BASED ON A SEPTEMBER 2007 PLAN FROM THE CITY OF PORTSMOUTH TITLED "SEDIMENT TOXICITY SAMPLE LOCATIONS".

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NO.	DATE	REVISION	ENG	DWG

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COAKLEY LANDFILL
NORTH HAMPTON, NH

SITE PLAN

DATE	
AUGUST 2011	
ENG. BY: ENG	DRWN. BY: DRWN
CHKD.BY: KMM	PROJ. NO.: P1081

FIGURE 2

LEGEND

WELL ID
ELEV.

OVERBURDEN MONITORING WELL

GROUNDWATER MANAGEMENT ZONE

ELEV. CONTOUR

BROOK

CONTOURS BASED ON DATA COLLECTED
AUGUST 2011

GRID NORTH

AE-4A
73.10'

FPC-6A
69.67'

FPC-8A
72.46'

FPC-5A
72.91'

AE-2A
75.00'

MW-9
77.15'

MW-10
75.46'

FPC-2A
75.98'

GZ-123
77.42'

MW-2
88.79'

MW-5S
86.35'

AE-3A
78.30'

FPC-7A
81.10'

MW-4
97.20'

OP-2
91.66'

RMW-3

OP-5
97.22

FPC-11A
96.68'

AE-1A
97.00

FPC-9A
96.58'

FPC-9C
96.65'

GROUNDWATER FLOW DIRECTION

NORTH HAMPTON RIVER GREENLAND

75.0'

80.0'

85.0'

90.0'

95.0'

70.0'

R-3

R-5

0 500 1,000 1,500

SCALE: 1"=500'

NOTES:

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2. ADDITIONAL MONITORING WELL LOCATIONS BASED ON PLAN BY GOLDER ASSOCIATES TITLED "ENVIRONMENTAL MONITORING NETWORK" DATED 08/16/07.

3. SURFACE WATER AND SEDIMENT SAMPLE LOCATIONS BASED ON A SEPTEMBER 2007 PLAN FROM THE CITY OF PORTSMOUTH TITLED "SEDIMENT TOXICITY SAMPLE LOCATIONS".

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COAKLEY LANDFILL
NORTH HAMPTON, NH

OVERBURDEN GROUNDWATER
ELEVATION CONTOUR MAP
AUGUST 2011

DATE	
AUGUST 2011	
ENG. BY KMM	DRWN. BY DRWN
CHKD.BY KMM	PROJ. NO. P1081

FIGURE 3

LEGEND

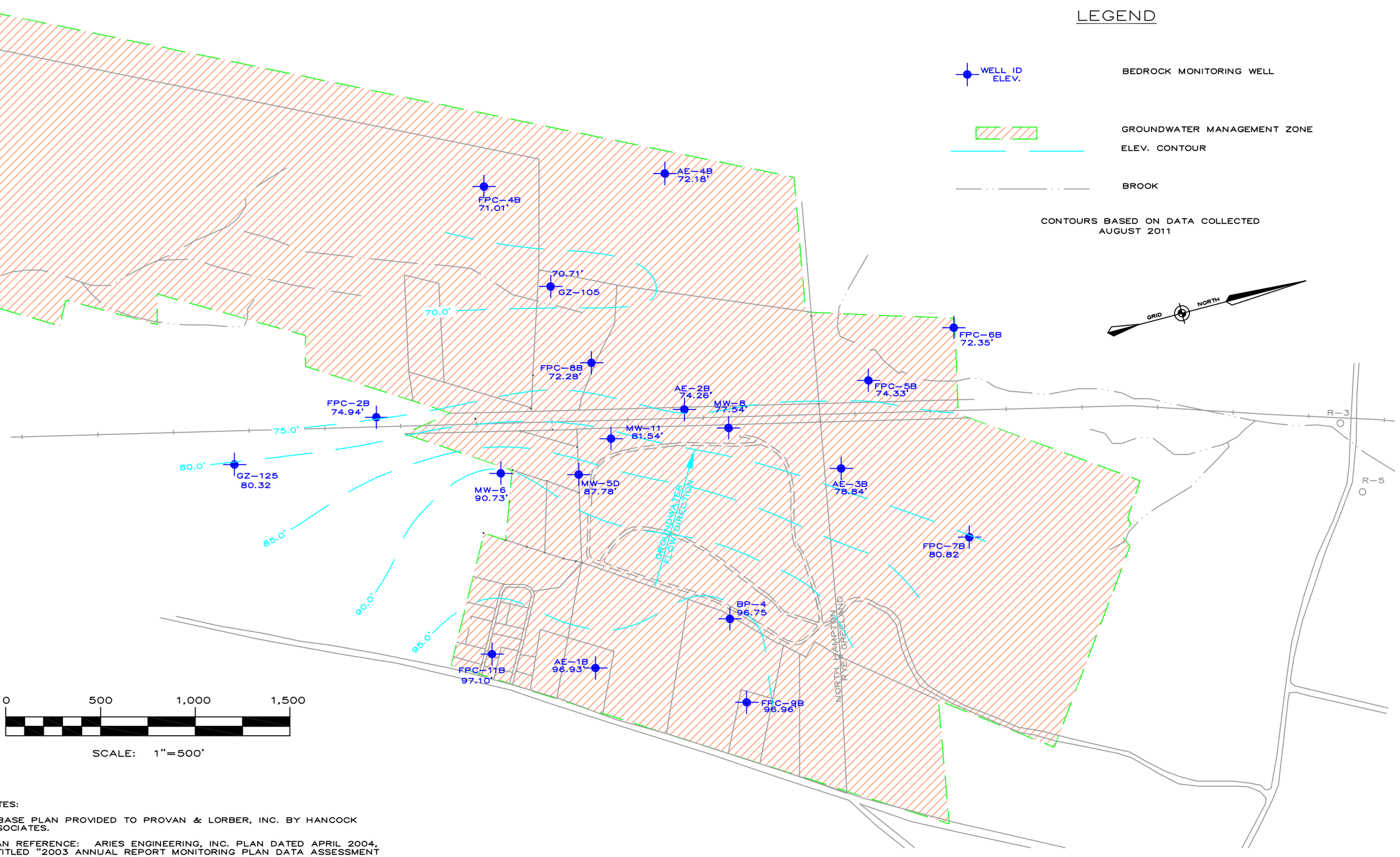
WELL ID
ELEV.
BEDROCK MONITORING WELL

GROUNDWATER MANAGEMENT ZONE

ELEV. CONTOUR

BROOK

CONTOURS BASED ON DATA COLLECTED
AUGUST 2011



0 500 1,000 1,500

SCALE: 1"=500'

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BEDROCK GROUNDWATER
ELEVATION CONTOUR MAP
AUGUST 2011

DATE	
AUGUST 2011	
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FIGURE 4

LEGEND

WELL ID
CONCENTRATION (ug/l) — OVERBURDEN MONITORING WELL

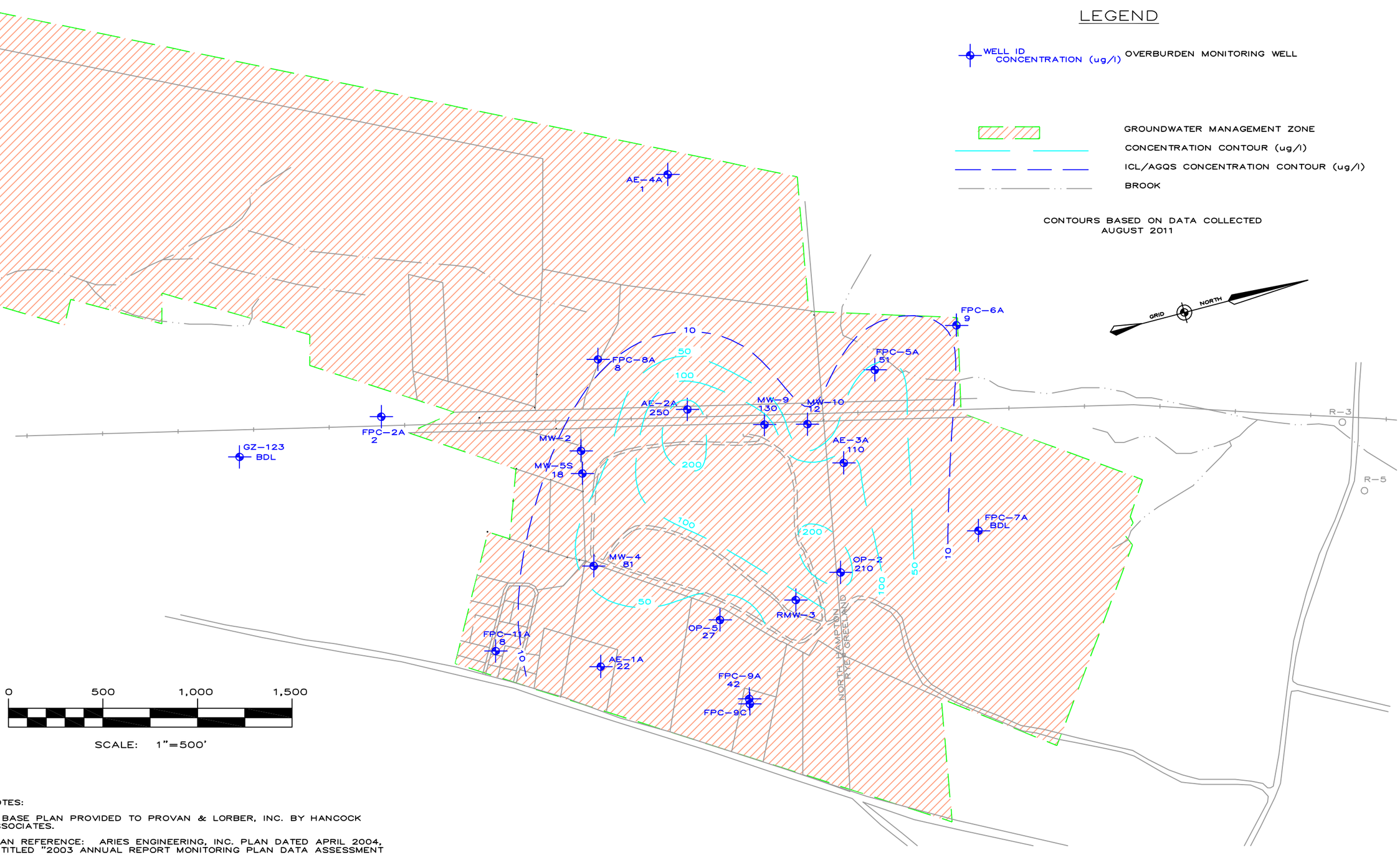
GROUNDWATER MANAGEMENT ZONE

CONCENTRATION CONTOUR (ug/l)

ICL/AGQS CONCENTRATION CONTOUR (ug/l)

BROOK

CONTOURS BASED ON DATA COLLECTED
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NORTH HAMPTON, NH

ARSENIC CONCENTRATIONS
OVERBURDEN WELLS
AUGUST 2011

DATE: AUGUST 2011	
ENG. BY: KMM	DRWN. BY: DRWN
CHKD.BY: KMM	PROJ. NO.: P1081

FIGURE 5

LEGEND

WELL ID
CONCENTRATION (ug/l) — OVERBURDEN MONITORING WELL

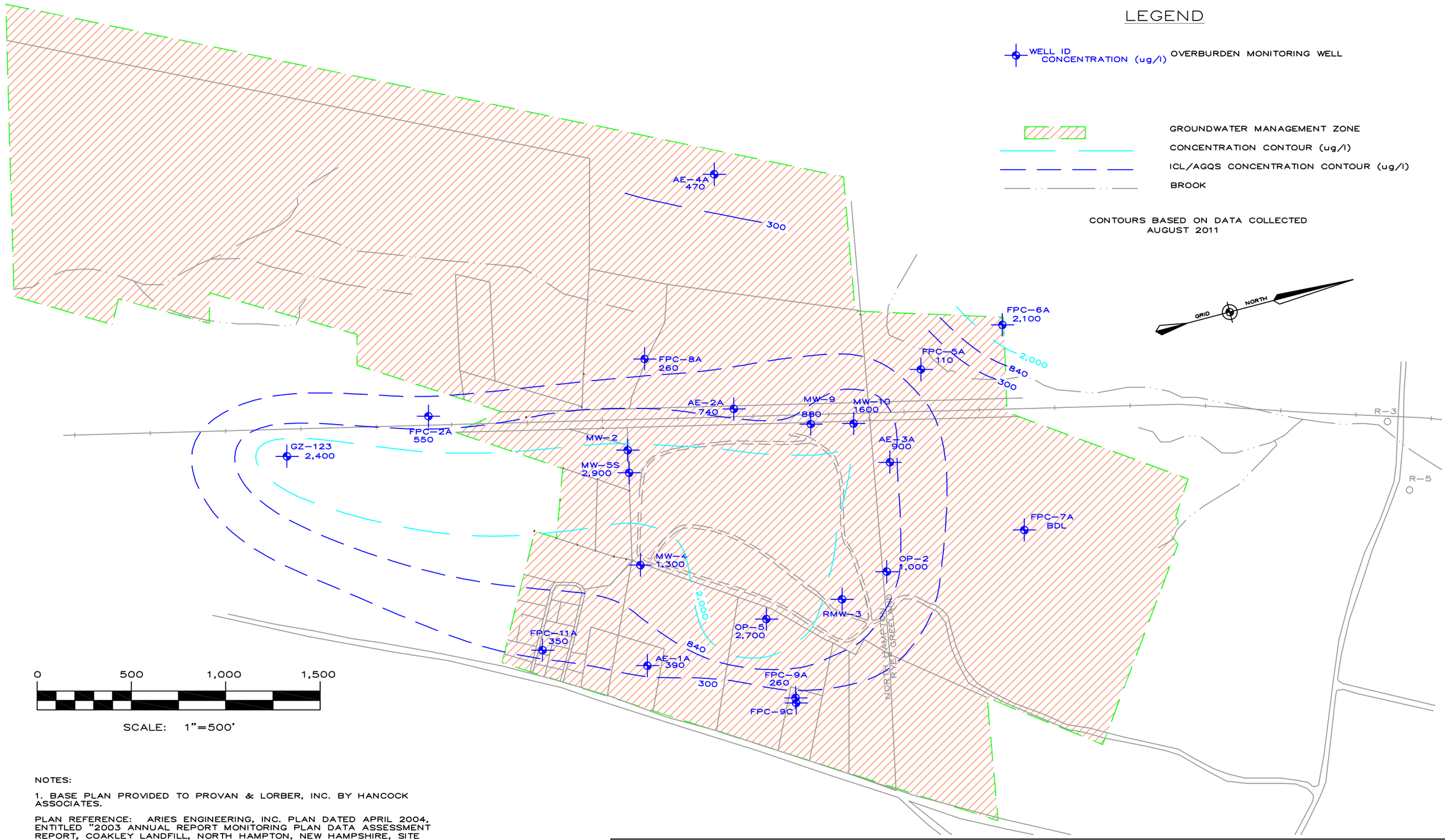
GROUNDWATER MANAGEMENT ZONE

CONCENTRATION CONTOUR (ug/l)

ICL/AGQS CONCENTRATION CONTOUR (ug/l)

BROOK

CONTOURS BASED ON DATA COLLECTED
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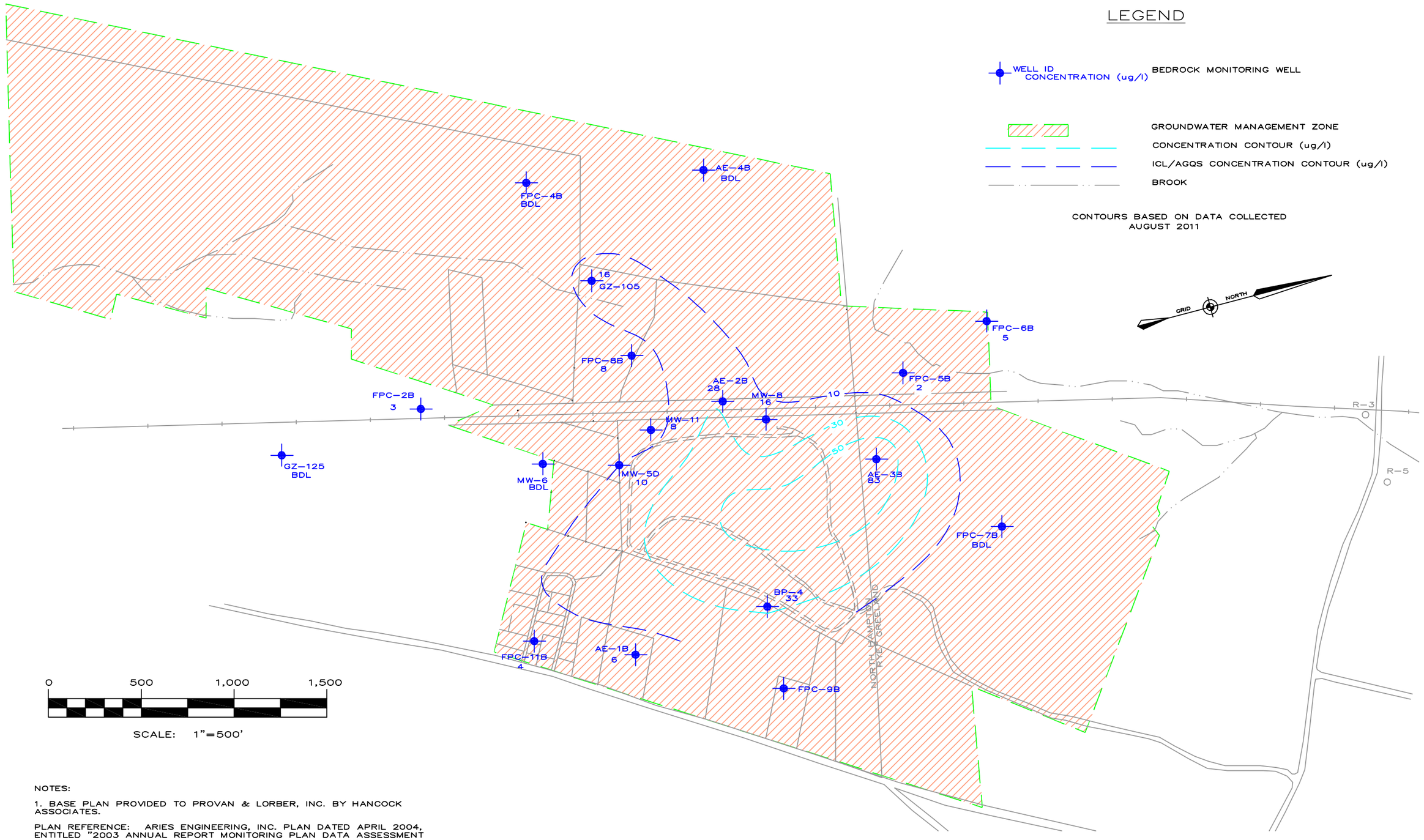
Littleton, NH
101 Cottage Street
03561
603 444-6301

COAKLEY LANDFILL
NORTH HAMPTON, NH

MANGANESE CONCENTRATIONS
OVERBURDEN WELLS
AUGUST 2011

DATE: AUGUST 2011	
ENG. BY: KMM	DRWN. BY: DRWN
CHKD.BY: KMM	PROJ. NO.: P1081

FIGURE 6



NOTES:

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ARSENIC CONCENTRATIONS
BEDROCK WELLS
AUGUST 2011

DATE	
AUGUST 2011	
ENG. BY KMM	DRWN. BY DRWN
CHKD.BY KMM	PROJ. NO. P1081

FIGURE 7

LEGEND

WELL ID
CONCENTRATION (ug/l) — BEDROCK MONITORING WELL

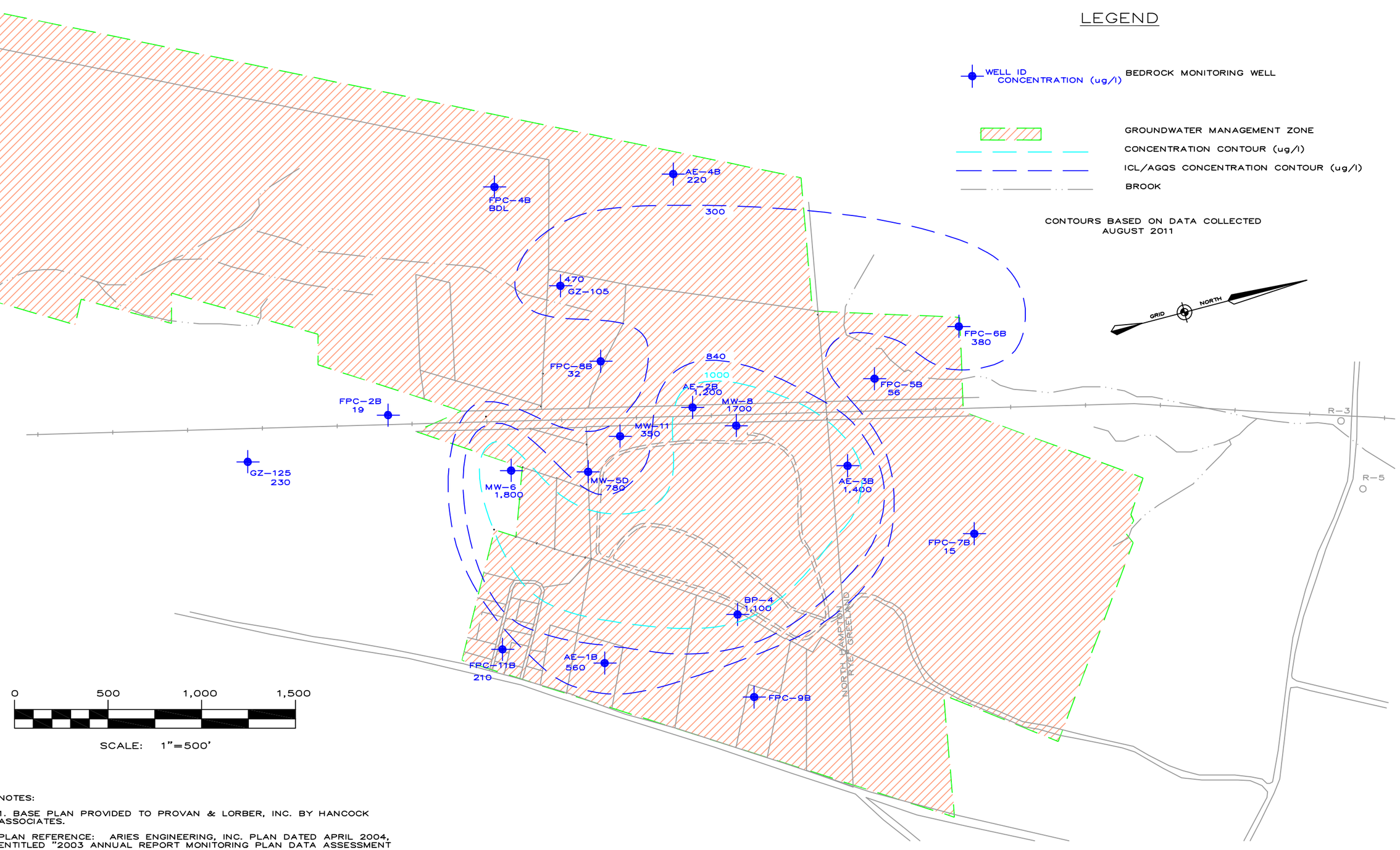
GROUNDWATER MANAGEMENT ZONE

CONCENTRATION CONTOUR (ug/l)

ICL/AGQS CONCENTRATION CONTOUR (ug/l)

BROOK

CONTOURS BASED ON DATA COLLECTED
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MANGANESE CONCENTRATIONS
BEDROCK WELLS
AUGUST 2011

DATE	
AUGUST 2011	
ENG. BY KMM	DRWN. BY DRWN
CHKD.BY KMM	PROJ. NO. P1081

FIGURE 8

LEGEND

WELL ID
CONCENTRATION (ug/l) — OVERBURDEN MONITORING WELL

WELL ID
CONCENTRATION (ug/l) — BEDROCK MONITORING WELL

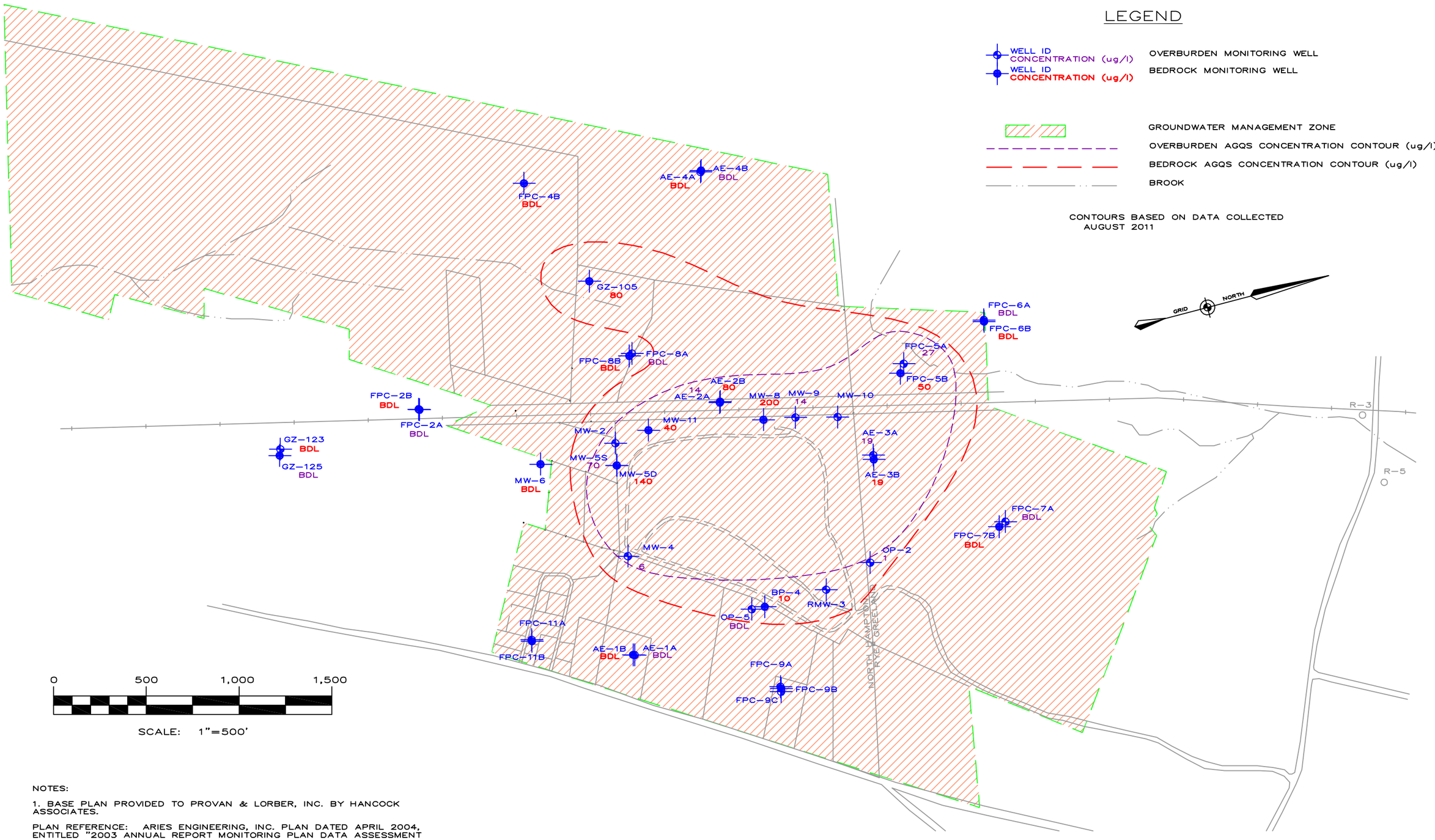
GROUNDWATER MANAGEMENT ZONE

OVERBURDEN AGQS CONCENTRATION CONTOUR (ug/l)

BEDROCK AGQS CONCENTRATION CONTOUR (ug/l)

BROOK

CONTOURS BASED ON DATA COLLECTED
AUGUST 2011



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1,4-DIOXANE CONCENTRATIONS
OVERBURDEN & BEDROCK WELLS
AUGUST 2011

DATE: AUGUST 2011	
ENG. BY: KMM	DRWN. BY: DRWN
CHKD.BY: KMM	PROJ. NO.: P1081

FIGURE 9

TABLES

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA
2011 ANNUAL MONITORING REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

MONITORING WELL IDENTIFICATION	Ref. Pt Elev. (FT. NGVD)	Screened Interval FT.	Apr-93 GW. EL. FT.	Dec-96 GW. EL. FT.	Apr-97 GW. EL. FT.	Sep-97 GW. EL. FT.	Dec-97 GW. EL. FT.	Jun-98 GW. EL. FT.	Aug-98 GW. EL. FT.	Apr-99 GW. EL. FT.	Aug-99 GW. EL. FT.	Nov-99 GW. EL. FT.	Apr-00 GW. EL. FT.	Aug-00 GW. EL. FT.	Nov-00 GW. EL. FT.	Apr-01 GW. EL. FT.	Aug-01 GW. EL. FT.	Jun-02 GW. EL. FT.	Aug-02 GW. EL. FT.	Aug-03 GW. EL. FT.	Aug-04 GW. EL. FT.	Aug-05 GW. EL. FT.	Aug-06 GW. EL. FT.	Nov-07 GW. EL. FT.	Aug-08 GW. EL. FT.	Aug-09 GW. EL. FT.	Aug-10 GW. EL. FT.	Aug-11 GW. EL. FT.
BP-4	111.70	33.6-99.0		98.94	97.83	96.07	95.84	99.55	97.03	97.04	95.26	95.93	97.1	96.93	96.03	99.37	96.29	97.27	96.26	96.51	96.89	96.34	97.71	95.72	97.52	99.00	96.55	96.75
MW-2	94.54	10-20															86.75	89.00		96.99	97.07	97.35	NM	NM	88.61	88.95	88.40	87.88	88.79
MW-4	129.12	28-38	101.52							98.41	95.94	96.78	97.92	97.61	96.65	100.33	96.88	98.01	96.99	97.07	97.35	96.71	98.12	96.17	97.98	98.43	96.93	97.20
MW-5S	98.42	48-78	93.69							88.35	84.27	87.42	87.96	87.57	87.70	88.70	85.79	87.92	85.24	85.17	87.35	85.00	87.88	86.00	87.93	87.45	86.16	86.35
MW-5D	98.39	139-159								89.89	85.84	88.77	89.41	88.59	88.98	90.39	87.27	89.27	86.79	87.89	88.63	86.69	88.49	87.28	89.09	89.02	87.63	87.78
MW-6	101.15	25-184	93.4	93.84	93.44	90.04	92.25	93.44	91.33	92.55	88.03	91.98	92.52	92.20	92.32	93.23	89.79	92.50	89.16	90.09	92.13	89.01	92.46	90.52	92.42	91.93	90.58	90.73
MW-8	85.30	44-65		81.1	79.46	78.48	78.07	78.71	76.66	78.6	75.32	77.91	78.37	77.98	78.50	78.61	76.30	78.21	75.92	76.60	77.86	75.94	78.18	76.89	78.48	77.89	76.63	77.54
MW-9	82.62	5-10		77.97	78.03	75.87	76.06	77.16	74.47	75.82	73.42	75.46	76.09	76.00	76.86	76.88	74.10	75.74	73.81	73.28	76.13	73.94	75.71	75.80	76.88	75.35	74.64	77.15
MW-10	80.60	5-10		74.56	74.67	73.96	74.07	74.68	73.17	74.51	72.78	74.57	74.63	74.83	75.06	75.22	73.93	74.91	73.45	74.20	74.93	73.99	74.71	74.95	74.86	74.50	74.21	75.46
MW-11	92.70	32-52		87.21	85.36	83.56	83.81	83.69	81.77	83.42	79.17	82.42	82.8	82.35	82.40	83.09	80.59	82.67	80.11	81.24	82.26	79.85	82.89	81.07	82.99	82.58	81.08	81.54
OP-2	98.49	7-12	91.44	95.86	95.4				92.85	92.11	89.52	90.88	91.86	91.76	91.24	85.74	90.49	91.98	90.34	90.75	91.54	90.43	92.29	90.77	92.53	92.47	90.99	91.66
OP-5	112.68	13-23	94.92	99.26	98.28	96.59	96.41	100.41	100.41	97.39	95.84	96.41	97.58	97.33	96.40	107.29	97.54	97.72	96.82	96.98	97.31	96.78	98.03	96.04	97.81	98.28	96.91	97.22
RMW-3	117.61	29-34	95.03	99.81	98.45				90.96	89.61	87.25	88.15	89.3	89.17	88.32	91.58	88.59	89.82	88.60	88.58	88.62	88.73	obstructed	obstructed	obstructed	obstructed	obstructed	obstructed
AE-1A	127.00	54-64								97.95	95.55	96.21	97.37	97.23	96.34	99.67	96.54	97.54	96.53	96.67	97.05	97.35	98.10	95.89	97.74	98.19	96.74	97.00
AE-1B	126.80	75-85								97.91	95.51	96.13	97.35	97.19	96.31	99.65	96.43	97.51	96.51	96.65	97.09	96.49	98.09	95.87	97.73	97.98	96.55	96.93
AE-2A	79.60	10-20									72.49	75.74	75.71	75.67	76.03	75.69	73.58	75.66	72.98	73.75	75.19	73.18	75.70	74.69	75.81	75.29	73.76	75.00
AE-2B	79.50	40-50									72.59	75.79	75.79	75.44	76.04	75.78	73.49	75.65	73.16	74.42	75.33	73.60	75.61	74.22	75.94	76.02	74.35	74.26
AE-3A	86.10	28-40								77.47	76.64	77.74	77.56	77.99	77.92	77.80	77.05	77.70	76.86	76.30	77.90	77.14	78.02	77.90	77.98	78.68	77.30	78.30
AE-3B	87.30	28-40								78.55	77.19	78.38	78.35	78.47	78.61	78.64	78.30	78.49	77.47	77.90	78.58	76.86	78.66	78.47	78.50	78.32	77.76	78.84
AE-4A	77.20	5-15																			73.47	70.75	73.75	72.91	73.10	73.20	71.49	73.10
AE-4B	77.50	34-44																			73.42	70.51	73.30	72.28	73.61	73.01	71.10	72.18
FPC-2A	78.40	6-16											75.69	76.70	76.98	NR		76.66	78.40	76.24	76.31	75.66	76.32	75.90	76.30	76.12	75.62	75.98
FPC-2B	77.98	22.5-37.5											77.47	77.30	77.71	77.78		77.38	76.37	76.81	77.28	76.45	77.30	76.90	77.46	77.26	76.45	74.94
FPC-4B	75.83	18-33	71.83																	69.96	71.58	68.21	71.63	70.95	71.81	71.24	69.80	71.01
FPC-5A	74.30	54-64	75.01	74.44	74.44	73.94		74.44	73.29	74.14	72.2	73.93	73.9	73.98	74.18	74.14	73.02	73.10	73.03	73.10	74.30	72.18	73.50	73.50	73.73	73.37	72.73	72.91
FPC-5B	74.90	95-110	74.85	74.81	74.81	73.91	74.21	74.81	73.3	74.6	72.38	74.48	74.25	74.60	74.77	74.70	73.43	70.96	73.15	74.23	74.40	73.19	74.66	74.50	74.85	74.46	73.74	74.33
FPC-6A	77.00	1.75-2.75	73.23							72.74		72.84	72.85	72.85	73.11	73.01		72.65			72.83	70.71	72.83	72.38	73.02	72.22	68.68	69.67
FPC-6B	77.10	13-28	73.20							72.81	69.86	72.94		72.09	73.21	73.14	70.88	72.33	70.30	71.94	70.32	68.37	70.47	70.19	72.93	72.35	71.26	72.35
FPC-7A	82.08	16.7-21.7	81.63							81.36										80.12	80.99	80.03	81.46	81.30	81.49	81.16	80.39	81.10
FPC-7B	82.33	29.8-44.8	80.53							80.93										79.82	80.72	79.69	81.02	79.43	81.20	80.87	80.14	80.82
FPC-8A	73.80	23-33	73.85	73.67	73.65	71.49	73.15	73.49	71.01	73.04	69.23	72.93	72.93	72.88	73.34	73.20	71.06	72.99	70.36	71.26	72.86	70.63	73.01	72.20	73.09	72.73	71.62	72.46
FPC-8B	73.60	40-55	72.83	73.52	73.49	71.44	73.04	73.33	70.84	72.88	69.14	72.77	72.78	72.63	73.18	72.99	70.93	72.79	70.07	71.22	72.69	70.58	72.83	72.03	72.00	72.68	71.10	72.28
FPC-9A	117.57	58-68	99.87							97.32	95.02	95.72	96.92	96.75	95.90	99.22	96.25	97.05	96.02	96.27	96.40	95.83	97.59	95.48	97.44	97.90	96.37	96.58
FPC-9B	117.87	72-87	99.99							97.81	95.07	95.79	96.98	96.83	95.99	99.28	96.15	97.08	96.11	96.37	NM	NM	NM	95.14	97.41	97.93	96.42	96.96
FPC-9C	117.75	15-25	100.45							97.87	95.77	96.33		97.25	96.50	99.62	NM	97.52		96.75	NM	NM	NM	96.08	97.62	98.10	96.75	96.65
FPC-11A	117.95	47-52	100.4							97.7										96.65	97.01	96.51	97.71	95.81	97.58	97.95	96.50	96.68
FPC-11B	117.90	58-73	96.5							97.74										96.70	96.90	96.34	97.69	95.54	97.57	97.89	96.56	97.10
GZ-105	73.60	35-50	66.42							70.86	67.46	70.77	70.78	69.82	71.16	71.02	69.31	70.83	68.45	69.71	71.09	69.28	70.91	70.68	71.05	70.78	69.83	70.71
GZ-123	87.49	9.5-16.5																						76.91	77.90	78.28	77.05	77.42
GZ-125	88.77	57-200																						80.35	81.73	81.87	80.36	80.32

NOTES:
1. Shaded data denotes a bedrock monitoring well.
2. A blank indicates data was not collected.
3. GW.EL. indicates groundwater elevation and FT. indicates measurements were in feet.
4. Well Screened intervals from surface grade.

TABLE 2

SUMMARY OF OU-1 GROUNDWATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

CONTAMINANT OF CONCERN	INTERIM	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S
DATE SAMPLED	CLEANUP	30-Aug-05	30-Aug-06	16-Nov-07	13-Aug-08	20-Aug-09	17-Aug-10	18-Aug-11	29-Aug-06	9-Nov-07	13-Aug-08	20-Aug-09	19-Aug-10	19-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL													
Acetone	**6,000**	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	**5**	BDL	NA	NA	NA	NA	NA	NA	BDL	5	4	3	4	4
Chlorobenzene	**100**	4	NA	NA	NA	NA	NA	NA	BDL	3	2	2	3	2
Chloroethane		BDL	NA	NA	NA	NA	NA	NA	BDL	13	9	8	7	7
Chloromethane	**30**	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
1,4 Dichlorobenzene	**75**	BDL	NA	NA	NA	NA	NA	NA	BDL	3	2	3	3	3
1,1 Dichloroethane	**81**	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	**700**	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	**800**	BDL	NA	NA	NA	NA	NA	NA	BDL	2	1	1	2	2
p - Isopropyltoluene	**260**	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	**20**	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Ether	**1,400**	BDL	NA	NA	NA	NA	NA	NA	BDL	52	45	37	40	32
Tetrahydrofuran	**154**	BDL	NA	NA	NA	NA	NA	NA	BDL	60	40	40	40	40
Toluene	**1,000**	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4 Trimethylbenzene	**330**	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5 Trimethylbenzene	**330**	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene		BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
m&p - Xylene		BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dioxane				NA	NA	NA	6	6		NA	NA	70	90	70
Methylethylketone (MEK)	**200**	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Methylisobutylketone (MIBK)	**2,000**	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Methyl-t-butyl Ether (MTBE)	**13**	BDL	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Tertiary-butyl Alcohol (TBA)			NA	NA	NA	NA	NA	NA		BDL	BDL	BDL	BDL	BDL
METALS IN ug/l														
Aluminum		BDL	34,000	28,000	34,000	BDL	140	300	BDL	BDL	BDL	BDL	BDL	BDL
Arsenic	**10**	130	43	58	69	70	64	81	10	26	26	18	16	18
Barium		530	190	200	250	73	71	67	190	210	190	180	180	180
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		120,000	66,000	88,000	80,000	65,000	66,000	63,000	54,000	45,000	43,000	42,000	34,000	33,000
Chromium	**50**	600	150	140	190	2	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL
Copper		170	38	71	78	2	2	3	BDL	BDL	BDL	BDL	BDL	BDL
Iron (Total)		380,000	110,000	160,000	150,000	24,000	22,000	24,000	17,000	25,000	23,000	16,000	13,000	14,000
Dissolved Iron		17,000	27,000	24,000	50,000	23,000	21,000	22,000	19,000	23,000	21,000	14,000	12,000	14,000
Lead	**15**	100	23	37	43	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		84,000	38,000	39,000	47,000	24,000	19,000	19,000	30,000	24,000	22,000	26,000	22,000	20,000
Mercury		BDL	BDL	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	410	99	130	150	9	8	12	17	22	19	14	11	10
Potassium		60,000	39,000	44,000	49,000	38,000	30,000	29,000	27,000	22,000	22,000	25,000	22,000	20,000
Selenium		BDL	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	BDL	1	8	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL
Sodium		52,000	56,000	39,000	43,000	34,000	31,000	30,000	76,000	110,000	87,000	94,000	99,000	85,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		540	91	190	210	6	BDL	BDL	6	14	BDL	BDL	BDL	BDL
Cobalt		130	34	53	53	5	4	4	8	11	11	7	4	4
Beryllium	**4**	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	13,000	4,500	5,900	5,800	1,200	1,100	1,300	3,700	4,400	3,900	3,400	2,900	2,900
Dissolved Manganese		1,500	1,300	1,300	2,600	1,200	1,000	1,100	3,700	4,200	4,300	3,200	2,800	3,000
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	350	63	82	91	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
FIELD PARAMETERS														
Temperature Degrees C		18.55	17.10	13.20	18.36	15.50	15.00	15.24	12.25	9.79	13.30	12.25	11.61	13.10
pH		6.59	6.47	6.59	6.22	6.65	6.52	6.38	6.61	6.79	6.83	6.98	6.52	6.77
Conductivity in us/cm		544	1024	1029	1025	1080	1037	552	884	1203	1090	1095	1072	687
Dissolved Oxygen in mg/l		3.41	3.68	1.68	3.24	1.31	1.59	2.53	3.34	0.45	0.65	0.18	0.25	0.23
Turbidity in NTU		1071.9		10.9	6000	35.1	14.5	13.1	10.9	1.1	79.0	8.70	3.54	3.01
Oxidation/Reduction Potential in mV		-43.0	-44.0	154	22	-51	-63	-78.4	-82.0	-128	-91	-112	-75	-131.0

NOTES:
1. NA = Sample was not analyzed for indicated parameter
   BDL = Below Detection Limit
   Bolded wells denote bedrock wells.
2. A blank indicates data was not collected.
3. Bolded contaminants are site contaminants of concern for which interim cleanup standards (ICLs) have been established.
4. Shaded values denote exceedance of an established interim cleanup level.
5. Volatile organic compound and metals results are in micrograms per liter (ug/l).
6. Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric turbidity unit, mV = millivolt

TABLE 2

SUMMARY OF OU-1 GROUNDWATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

CONTAMINANT OF CONCERN	INTERIM	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
DATE SAMPLED	CLEANUP	29-Aug-06	15-Nov-07	13-Aug-08	20-Aug-09	19-Aug-10	18-Aug-11	29-Aug-06	12-Nov-07	12-Aug-08	19-Aug-09	8-Feb-11	15-Aug-11	30-Aug-06	13-Nov-07	13-Aug-08	20-Aug-09	17-Aug-10	18-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																		
Acetone	**6,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	**5**	2	3	2	2	2	2	BDL	BDL	BDL	BDL	BDL	BDL	5	3	4	4	6	6
Chlorobenzene	**100**	4	5	4	3	4	3	BDL	BDL	BDL	BDL	BDL	BDL	4	3	4	3	7	12
Chloroethane		24	33	38	32	31	38	BDL	BDL	BDL	BDL	BDL	BDL	20	19	21	18	20	27
Chloromethane	**30**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4 Dichlorobenzene	**75**	BDL	2	2	2	2	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	2	2	2	3
1,1 Dichloroethane	**81**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	**700**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	**800**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	2	2	2	2
p - Isopropyltoluene	**260**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	**20**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Ether	**1,400**	89	130	120	100	99	100	BDL	BDL	BDL	BDL	BDL	BDL	114	130	110	99	98	88
Tetrahydrofuran	**154**	110	110	110	90	90	110	BDL	BDL	BDL	BDL	BDL	BDL	239	180	180	180	160	140
Toluene	**1,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4 Trimethylbenzene	**330**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	2	1	1	1	1
1,3,5 Trimethylbenzene	**330**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	1
m&p - Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	3	2	1	1	1
1,4-Dioxane			NA	NA	140	150	140		NA	NA	BDL	NA	BDL		NA	NA	310	230	200
Methylethylketone (MEK)	**200**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylisobutylketone (MIBK)	**2,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl-t-butyl Ether (MTBE)	**13**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tertiary-butyl Alcohol (TBA)			60	50	40	40	50		BDL	BDL	BDL	BDL	BDL		70	70	60	50	50
METALS IN ug/l																			
Aluminum		8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	26	60	60	BDL	BDL	BDL
Arsenic	**10**	5	11	5	6	10	10	BDL	BDL	BDL	BDL	BDL	BDL	7	10	8	8	13	16
Barium		120	130	110	120	110	130	BDL	BDL	BDL	BDL	7	5	170	170	190	210	240	340
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		48,000	30,000	31,000	32,000	32,000	29,000	15,000	13,000	11,000	11,000	15,000	15,000	55,000	31,000	36,000	42,000	41,000	38,000
Chromium	**50**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper		BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	1	2	2	9	BDL	1	BDL	BDL	BDL	BDL
Iron (Total)		17,000	15	12,000	15,000	13,000	13,000	1,200	5,800	1,800	8,000	4,900	17,000	5,900	4,300	6,500	5,600	5,200	9,900
Dissolved Iron		NA	NA	NA	NA	NA	NA	900	3,900	250	340	2,800	2,500	NA	NA	NA	NA	NA	NA
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	1	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		44,000	27,000	26,000	32,000	28,000	25,000	6,200	5,200	4,000	4,500	5,200	5,700	68,000	36,000	40,000	50,000	45,000	42,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	14	11	12	10	9	9	BDL	3	1	2	2	2	18	19	26	22	17	19
Potassium		30,000	22,000	23,000	25,000	22,000	21,000	1,800	1,700	1,500	1,600	1,600	1,700	17,000	12,000	14,000	14,000	16,000	18,000
Selenium		4	BDL	2	4	18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL	3	5	4	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		140,000	170,000	160,000	140,000	140,000	130,000	10,000	12,000	10,000	11,000	11,000	12,000	180,000	240,000	210,000	210,000	190,000	170,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		7	BDL	BDL	BDL	BDL	BDL	13	9	6	8	14	21	6	18	BDL	BDL	BDL	BDL
Cobalt		BDL	BDL	1	BDL	BDL	1	BDL	BDL	BDL	BDL	1	BDL	BDL	3	6	3	2	5
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	890	860	780	770	730	780	540	740	520	490	1,900	1,800	2,500	1,600	1,900	2,000	2,100	1,700
Dissolved Manganese		NA	NA	NA	NA	NA	NA	540	820	470	510	1,900	1,800	NA	NA	NA	NA	NA	NA
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	1	1	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	2	2	1	2
FIELD PARAMETERS																			
Temperature Degrees C		11.33	11.48	12.37	12.70	12.09	13.27	11.77	10.38	11.22	12.18	5.83	14.64	13.09	10.46	13.51	13.95	16.30	12.53
pH		7.22	7.09	7.07	6.96	7.21	6.80	6.86	5.82	5.95	6.02	6.04	6.33	6.73	7.22	7.29	7.88	6.81	5.60
Conductivity in us/cm		1146	1570	1451	12	1510	1367	138	196	148	152	238	244	1339	1670	1570	1660	1630	1555
Dissolved Oxygen in mg/l		1.32	0.49	0.18	9.68	0.09	0.33	1.68	0.98	0.58	5.84	1.53	2.34	2.11	1.15	0.96	0.20	0.27	0.47
Turbidity in NTU		10.0	3.33	103	11.0	1.34	1.76	8.1	17.0	315	40.6	19.3	109.2	7.9	14	100	0.30	1.68	11.4
Oxidation/Reduction Potential in mV		-171.0	1	-127	-141	-166	-161.4	-76.0	95	120	83	34	302	-55	45	-151	-163	-102	-129.3

NOTES:
1. NA = Sample was not analyzed for indicated parameter
   BDL = Below Detection Limit
   Bolded wells denote bedrock wells.
2. A blank indicates data was not collected.
3. Bolded contaminants are site contaminants of concern for which interim cleanup standards (ICLs) have been established.
4. Shaded values denote exceedance of an established interim cleanup level.
5. Volatile organic compound and metals results are in micrograms per liter (ug/l).
6. Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric turbidity unit, mV = millivolt

* Data obtaiend from previous reports and appears to be in error.

TABLE 2

SUMMARY OF OU-1 GROUNDWATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

CONTAMINANT OF CONCERN	INTERIM	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
DATE SAMPLED	CLEANUP	25-Aug-05	29-Aug-06	13-Nov-07	13-Aug-08	18-Aug-09	17-Aug-10	18-Aug-11	26-Aug-05	29-Aug-06	13-Nov-07	13-Aug-08	18-Aug-09	18-Aug-10	19-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	**LEVEL**														
Acetone	**6,000**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Benzene	**5**	5	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Chlorobenzene	**100**	79	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Chloroethane		5	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Chloromethane	**30**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
1,4 Dichlorobenzene	**75**	19	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
1,1 Dichloroethane	**81**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Ethylbenzene	**700**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Isopropylbenzene	**800**	2	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
p - Isopropyltoluene	**260**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Naphthalene	**20**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Diethyl Ether	**1,400**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	**154**	84	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Toluene	**1,000**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
1,2,4 Trimethylbenzene	**330**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
1,3,5 Trimethylbenzene	**330**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
o-Xylene		BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
m&p - Xylene		4	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
1,4-Dioxane				NA	NA	NA	16	14			NA	NA	NA	NA	NA
Methylethylketone (MEK)	**200**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Methylisobutylketone (MIBK)	**2,000**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Methyl-t-butyl Ether (MTBE)	**13**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Tertiary-butyl Alcohol (TBA)			NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
METALS IN ug/l															
Aluminum		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	19	BDL	70	50	BDL	BDL
Arsenic	**10**	280	81	56	57	78	120	130	24	11	12	9	17	19	12
Barium		92	66	41	39	58	120	110	89	55	64	19	46	71	54
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		86,000	55,000	27,000	35,000	39,000	68,000	58,000	81,000	53,000	52,000	17,000	45,000	64,000	43,000
Chromium	**50**	3	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL
Copper		3	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (Total)		51,000	65,000	16,000	34,000	37,000	55,000	37,000	46,000	27,000	28,000	6,600	29,000	35,000	20,000
Dissolved Iron		56,000	57,000	17,000	35,000	45,000	48,000	32,000		NA	NA	NA	NA	NA	NA
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		45,000	22,000	12,000	11,000	12,000	24,000	23,000	23,000	14,000	15,000	3,900	11,000	18,000	13,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	14	5	16	7	4	5	5	14	7	8	3	5	6	4
Potassium		25,000	15,000	6,800	7,300	9,700	19,000	15,000	20,000	9,400	12,000	5,200	8,600	13,000	10,000
Selenium		6	BDL	BDL	BDL	BDL	6	BDL	3	BDL	BDL	BDL	BDL	5	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		98,000	35,000	38,000	28,000	19,000	60,000	56,000	110,000	35,000	90,000	14,000	31,000	72,000	50,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		4	3	BDL	BDL	BDL	BDL	BDL	7	16	19	5	6	6	BDL
Cobalt		4	BDL	12	7	3	2	2	5	7	6	2	5	3	2
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	710	2,400	1,200	3,500	2,100	1,400	880	3,500	3,200	2,800	760	2,200	2,700	1,600
Dissolved Manganese		820	2,200	1,400	3,300	2,300	1,300	940	NA	NA	NA	NA	NA	NA	NA
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	7	BDL	BDL	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	BDL	BDL	BDL
FIELD PARAMETERS															
Temperature Degrees C		15.34	14.9	10.66	15.67	15.15	15.76	14.85	15.32	16.3	10.22	17.40	17.05	16.01	15.28
pH		6.54	6.4	6.01	6.08	6.54	5.91	6.14	6.69	6.47	6.31	6.12	6.49	6.09	6.32
Conductivity in us/cm		1273	644.6	491	473	578	1154	738	1033	464.4	960	220	564	897	
Dissolved Oxygen in mg/l		0.78	622 *	0.68	0.42	0.35	0.41	0.40	2.26	735 *	0.48	0.52	0.28	0.44	0.30
Turbidity in NTU		28.8	13.3	2.48	81.9	3.38	1.8	1.25	12.2	9.8	2.28	19.0	2.81	1.90	3.95
Oxidation/Reduction Potential in mV		-101.5	-55	38	-19	-59	-4	-66.3	-106.4	-65	37	9	-69	-8	-64.7

NOTES:
1. NA = Sample was not analyzed for indicated parameter
   BDL = Below Detection Limit
   Bolded wells denote bedrock wells.
2. A blank indicates data was not collected.
3. Bolded contaminants are site contaminants of concern for which interim cleanup standards (ICLs) have been established.
4. Shaded values denote exceedance of an established interim cleanup level.
5. Volatile organic compound and metals results are in micrograms per liter (ug/l).
6. Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric turbidity unit, mV = millivolt

* Data obtaiend from previous reports and appears to be in error.

TABLE 2

SUMMARY OF OU-1 GROUNDWATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

CONTAMINANT OF CONCERN	INTERIM	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	RMW-3	RMW-3	RMW-3	RMW-3	RMW-3	RMW-3	OP-2	OP-2	OP-2	OP-2	OP-2	OP-2	OP-2
DATE SAMPLED	CLEANUP	29-Aug-06	8-Nov-07	13-Aug-08	19-Aug-09	18-Aug-10	19-Aug-11	26-Aug-05	8-Nov-07	11-Aug-08	17-Aug-09	16-Aug-10	16-Aug-11	26-Aug-05	29-Aug-06	9-Nov-07	13-Aug-08	18-Aug-09	18-Aug-10	17-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																			
Acetone	**6,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	NA	NA	NA	NA	NA	NA
Benzene	**5**	5	8	5	4	3	2	BDL						BDL	NA	NA	NA	NA	NA	NA
Chlorobenzene	**100**	2	3	2	2	BDL	BDL	8						2	NA	NA	NA	NA	NA	NA
Chloroethane		20	32	19	19	9	8	BDL						13	NA	NA	NA	NA	NA	NA
Chloromethane	**30**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	NA	NA	NA	NA	NA	NA
1,4 Dichlorobenzene	**75**	BDL	2	1	1	1	1	BDL						BDL	NA	NA	NA	NA	NA	NA
1,1 Dichloroethane	**81**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						3	NA	NA	NA	NA	NA	NA
Ethylbenzene	**700**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	NA	NA	NA	NA	NA	NA
Isopropylbenzene	**800**	BDL	4	2	2	1	2	BDL						BDL	NA	NA	NA	NA	NA	NA
p - Isopropyltoluene	**260**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	NA	NA	NA	NA	NA	NA
Naphthalene	**20**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	NA	NA	NA	NA	NA	NA
Diethyl Ether	**1,400**	47	75	37	34	24	18	BDL						BDL	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	**154**	50	60	30	30	20	20	BDL						BDL	NA	NA	NA	NA	NA	NA
Toluene	**1,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	NA	NA	NA	NA	NA	NA
1,2,4 Trimethylbenzene	**330**	BDL	2	BDL	1	BDL	BDL	BDL						BDL	NA	NA	NA	NA	NA	NA
1,3,5 Trimethylbenzene	**330**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	NA	NA	NA	NA	NA	NA
o-Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	NA	NA	NA	NA	NA	NA
m&p - Xylene		8	12	4	6	4	3	BDL						BDL	NA	NA	NA	NA	NA	NA
1,4-Dioxane			NA	NA	100	45	40									NA	NA	NA	1	1
Methylethylketone (MEK)	**200**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	NA	NA	NA	NA	NA	NA
Methylisobutylketone (MIBK)	**2,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	NA	NA	NA	NA	NA	NA
Methyl-t-butyl Ether (MTBE)	**13**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	NA	NA	NA	NA	NA	NA
Tertiary-butyl Alcohol (TBA)			BDL	BDL	BDL	BDL	BDL								NA	NA	NA	NA	NA	NA
METALS IN ug/l																				
Aluminum		BDL	BDL	BDL	BDL	BDL	BDL	1,500						BDL	BDL	BDL	BDL	BDL	BDL	BDL
Arsenic	**10**	10	15	13	11	11	8	110						25	200	190	170	200	220	210
Barium		96	95	89	83	74	73	46						21	19	19	20	17	16	15
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		31,000	26,000	22,000	24,000	21,000	20,000	47,000						49,000	40,000	37,000	40,000	42,000	39,000	36,000
Chromium	**50**	BDL	BDL	BDL	BDL	BDL	BDL	3						BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper		BDL	BDL	BDL	BDL	BDL	BDL	NA						BDL	BDL	BDL	BDL	14	BDL	BDL
Iron (Total)		17,000	15,000	19,000	15,000	13,000	12,000	57,000						47,000	44,000	48,000	57,000	48,000	44,000	45,000
Dissolved Iron		NA	NA	NA	NA	NA	NA							47,000	49,000	50,000	61,000	45,000	37,000	43,000
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		25,000	19,000	19,000	21,000	17,000	17,000	14,000						130,000	12,000	9,300	10,000	11,000	9,400	7,700
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	8	12	18	8	6	5	22						11	7	7	6	7	9	7
Potassium		10,000	9,300	8,800	9,800	8,100	8,500	19,000						28,000	23,000	17,000	21,000	21,000	16,000	14,000
Selenium		BDL	BDL	BDL	BDL	4	BDL	BDL						BDL	BDL	BDL	BDL	BDL	2	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		110,000	140,000	110,000	110,000	100,000	80,000	18,000						17,000	17,000	12,000	16,000	18,000	15,000	13,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		6	32	BDL	BDL	BDL	BDL	13						2	5	BDL	BDL	16	BDL	BDL
Cobalt		BDL	3	6	2	2	2	13						4	BDL	5	4	4	5	5
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	450	410	440	390	340	350	2,900						390	470	620	580	630	760	1,000
Dissolved Manganese		NA	NA	NA	NA	NA	NA	NA						450	480	650	550	620	640	960
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL						BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	BDL	BDL	BDL	BDL	BDL	2						4	BDL	BDL	1	1	BDL	BDL
FIELD PARAMETERS																				
Temperature Degrees C		12.27	9.50	12.14	12.30	14.05	13.90	13.11						17.2	16.33	10.41	16.25	14.55	14	13.95
pH		6.89	6.72	6.88	7.04	6.5	5.39	6.22						6.33	6.55	6.17	6.12	6.57	6.01	4.43
Conductivity in us/cm		800.3	1420	830	858	751	483	287						671	480.9	675	669	707	627	539
Dissolved Oxygen in mg/l		0.37	0.22	0.60	0.61	0.32	0.18	3.7						2.93	8.77	0.72	1.12	0.2	0.28	0.43
Turbidity in NTU		24.3	2.17	34.7	8.54	3.25	4.35	93.3						16.1	14.2	1.97	15.8	1.01	2.84	1.64
Oxidation/Reduction Potential in mV		-204	-30	-102	-104	-67	-98.5	15.4						-54.1	-161	-11	-27	-54	7	-49.7

WELL OBSTRUCTED NOT SAMPLED

NOTES:
1. NA = Sample was not analyzed for indicated parameter
   BDL = Below Detection Limit
   Bolded wells denote bedrock wells.
2. A blank indicates data was not collected.
3. Bolded contaminants are site contaminants of concern for which interim cleanup standards (ICLs) have been established.
4. Shaded values denote exceedance of an established interim cleanup level.
5. Volatile organic compound and metals results are in micrograms per liter (ug/l).
6. Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric turbidity unit, mV = millivolt

TABLE 2

SUMMARY OF OU-1 GROUNDWATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

CONTAMINANT OF CONCERN	**INTERIM**	OP-5	OP-5	OP-5	OP-5	OP-5	OP-5	OP-5	**BP-4**	**BP-4**	**BP-4**	**BP-4**	**BP-4**	**BP-4**	**BP-4**
DATE SAMPLED	**CLEANUP**	26-Aug-05	30-Aug-06	9-Nov-07	13-Aug-08	19-Aug-09	18-Aug-10	17-Aug-11	26-Aug-05	30-Aug-06	9-Nov-07	13-Aug-08	19-Aug-09	8-Feb-11	15-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	**LEVEL**														
Acetone	**6,000**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Benzene	**5**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Chlorobenzene	**100**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Chloroethane		BDL	NA	NA	NA	NA	NA	NA	16	NA	NA	NA	NA	NA	NA
Chloromethane	**30**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
1,4 Dichlorobenzene	**75**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
1,1 Dichloroethane	**81**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Ethylbenzene	**700**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Isopropylbenzene	**800**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
p - Isopropyltoluene	**260**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Naphthalene	**20**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Diethyl Ether	**1,400**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	**154**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Toluene	**1,000**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
1,2,4 Trimethylbenzene	**330**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
1,3,5 Trimethylbenzene	**330**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
o-Xylene		BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
m&p - Xylene		BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
1,4-Dioxane				NA	NA	NA	BDL	BDL			NA	NA	NA	9	10
Methylethylketone (MEK)	**200**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Methylisobutylketone (MIBK)	**2,000**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Methyl-t-butyl Ether (MTBE)	**13**	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA
Tertiary-butyl Alcohol (TBA)			NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
METALS IN ug/l															
Aluminum		1500	BDL	BDL	BDL	BDL	BDL	70	77	BDL	BDL	BDL	BDL	BDL	BDL
Arsenic	**10**	25	27	33	17	13	19	27	11	26	30	23	22	34	33
Barium		25	13	23	15	13	15	17	63	53	55	43	39	47	48
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		15,000	15,000	14,000	8,800	7,600	9,200	10,000	62,000	69,000	51,000	48,000	50,000	49,000	44,000
Chromium	**50**	7	BDL	BDL	BDL	BDL	BDL	BDL	15	BDL	BDL	BDL	BDL	BDL	BDL
Copper		6	BDL	BDL	1	BDL	BDL	1	7	BDL	BDL	BDL	BDL	BDL	13
Iron (Total)		24,000	12,000	19,000	10,000	8,100	11,000	13,000	69,000	36,000	31,000	30,000	26,000	31,000	29,000
Dissolved Iron		15,000	12,000	21,000	9,600	8,100	11,000	14,000	NA	NA	NA	NA	NA	NA	NA
Lead	**15**	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4	10
Magnesium		4,500	3,600	3,200	2,200	2,300	2,300	2,600	31,000	3,800	21,000	22,000	26,000	19,000	18,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	31	22	33	30	25	27	24	150	9	10	13	8	15	9
Potassium		2,800	2,800	2,300	1,900	1,900	1,800	1,900	23,000	30,000	21,000	21,000	23,000	17,000	16,000
Selenium		BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL
Silver		4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL
Sodium		9,900	8,600	10,000	9,000	9,000	8,000	9,000	110,000	9,200	140,000	110,000	89,000	64,000	59,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		7	7	BDL	BDL	7	BDL	BDL	5	6	BDL	BDL	11	6	44
Cobalt		20	14	23	19	15	17	17	80	BDL	2	3	BDL	7	2
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	3,800	2,500	3,800	2,300	1,800	2,200	2,700	1,700	1,300	1,200	1,100	94	1,200	1,100
Dissolved Manganese		3,500	2,600	4,000	2,200	2,000	2,300	2,800	NA	NA	NA	NA	NA	NA	NA
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
FIELD PARAMETERS															
Temperature Degrees C		12.30	13.31	9.34	11.28	11.28	10.82	10.16	11.26	11.9	9.41	13.38	13.90	7.83	13.66
pH		5.94	5.79	5.64	5.58	5.92	5.54	5.44	6.88	6.6	6.89	7.00	7.11	6.62	6.94
Conductivity in us/cm		196	150.6	253	169	150	193	182	1021	964.8	1204	1106	1100	1056	1117
Dissolved Oxygen in mg/l		2.16	1.15	0.35	0.22	0.68	0.41	0.18	1.88	2.14	0.37	1.19	2.26	1.02	3.84
Turbidity in NTU		23.2	0.7	1.49	100	2.48	2.29	1.68	35.1	2.6	1.50	27.4	7.73	1.13	11.2
Oxidation/Reduction Potential in mV		11.5	27	16	81	69	95	30.3	-107.8	-92	-85.0	-107	-153	-28	-138.2

NOTES:
1. NA = Sample was not analyzed for indicated parameter
   BDL = Below Detection Limit
   Bolded wells denote bedrock wells.
2. A blank indicates data was not collected.
3. Bolded contaminants are site contaminants of concern for which interim cleanup standards (ICLs) have been established.
4. Shaded values denote exceedance of an established interim cleanup level.
5. Volatile organic compound and metals results are in micrograms per liter (ug/l).
6. Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric turbidity unit, mV = millivolt

TABLE 3

SUMMARY OF OU-2 GROUNDWATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	FPC-2A	FPC-2A	FPC-2A	FPC-2A	FPC-2A	FPC-2A	FPC-2B	FPC-2B	FPC-2B	FPC-2B	FPC-2B	FPC-2B	FPC-4B	FPC-4B	FPC-4B	FPC-4B	FPC-4B	FPC-4B
DATE SAMPLED	CLEANUP	29-Aug-06	16-Nov-07	12-Aug-08	17-Aug-09	17-Aug-10	16-Aug-11	29-Aug-06	16-Nov-07	12-Aug-08	17-Aug-09	17-Aug-10	16-Aug-11	28-Aug-06	14-Nov-07	11-Aug-08	17-Aug-09	18-Aug-10	17-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																		
Acetone		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	**5**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4 Dichlorobenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1 Dichloroethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2 Dichloroethene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p - Isopropyltoluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Ether		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
m&p - Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dioxane			NA	NA	NA	NA	BDL		NA	NA	NA	NA	BDL		NA	NA	NA	NA	BDL
Methylethylketone (MEK)	**200**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylisobutylketone (MIBK)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl t-butyl ether (MTBE)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
METALS IN ug/l																			
Aluminum		BDL	60	BDL	BDL	BDL	BDL	27	BDL	14	360	90	100	BDL	70	220	BDL	BDL	BDL
Arsenic	**10**	BDL	8	3	2	2	2	BDL	2	3	3	3	3	BDL	BDL	BDL	BDL	BDL	BDL
Barium		12	18	13	14	13	13	12	12	12	17	12	11	3	7	5	4	6	5
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		22,000	18,000	16,000	19,000	15,000	16,000	11,000	7,800	6,800	7,700	7,000	6,100	5,300	4,200	3,300	3,900	4,700	4,100
Chromium	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (Total)		3,200	14,000	5,600	4,400	4,000	3,500	100	120	260	1,100	220	50	100	110	650	BDL	BDL	BDL
Dissolved Iron		3,800	1,800	3,500	4,200	2,700	2,800	900	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		14,000	12,000	9,600	11,000	8,700	9,200	1,700	1,200	980	1,300	1,000	840	3,500	2,800	2,100	2,500	2,900	2,600
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.2	0.1	BDL	0.1	0.1	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	1	1	BDL	BDL	BDL
Potassium		48,000	6,000	4,200	4,400	3,900	4,100	6,000	5,900	4,700	4,800	4,600	4,100	2,200	1,900	1,500	1,600	1,900	1,900
Selenium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		12,000	15,000	12,000	13,000	12,000	12,000	43,000	43,000	39,000	40,000	38,000	35,000	5,100	6,000	5,000	6,000	7,000	6,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		7	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	14	5	BDL	7	6	BDL	BDL	5	BDL
Cobalt		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	23	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	670	800	620	730	500	550	18	BDL	23	84	21	19	BDL	31	66	BDL	BDL	BDL
Dissolved Manganese		660	860	570	770	500	540	BDL	BDL	21	26	12	17	BDL	23	6	BDL	BDL	BDL
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sulfate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Bicarbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Carbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FIELD PARAMETERS																			
Temperature Degrees C		14.10	8.94	13.79	15.20	14.78	11.31	13.10	9.11	13.87	15.60	14.20	14.94	12.87	9.90	10.17	11.49	10.51	10.02
pH		6.52	6.68	6.58	6.34	5.91	6.46	7.99	7.93	7.28	7.48	7.02	8.42	6.63	5.95	6.39	6.17	6.36	6.11
Conductivity in us/cm		215	274	242	279	263	225	184	201	162	210	248	186	53	95	62	83	94	94
Dissolved Oxygen in mg/l		0.97	0.80	0.25	4.34	0.32	0.13	0.62	3.18	1.54	4.38	0.89	3.27	7.61	0.56	7.09	3.05	0.22	0.24
Turbidity in NTU		10.5	93	44.7	4.35	15.20	8.54	1.50	3.40	100.3	6.50	1.29	1.91	1.80	2.75	32.9	0.29	0.00	0.64
Oxidation/Reduction Potential in mV		-22	119	20	14	44	-57.7	-131	45	-3	28	-33	-103.9	77	164	143	189	112	118.1

NOTES:
1. NA = Sample was not analyzed for indicated parameter
   BDL = Below Detection Limit
2. Bolded well denotes a bedrock groundwater monitoring well.
3. Blank column indicates the well was not sampled.
4. Potential ICLs are indicated for arsenic and maganese.
5. Shaded values denote exceedance of an established interim cleanup level.
6. Volatile organic compound and metals results are in micrograms per liter (ug/l).
7. Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric turbidity unit, mV = millivolt

TABLE 3

SUMMARY OF OU-2 GROUNDWATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	FPC-5A	FPC-5A	FPC-5A	FPC-5A	FPC-5A	FPC-5A	**FPC-5B**	**FPC-5B**	**FPC-5B**	**FPC-5B**	**FPC-5B**	**FPC-5B**	FPC-6A	FPC-6A	FPC-6A	FPC-6A	FPC-6A	FPC-6A
DATE SAMPLED	CLEANUP	28-Aug-06	14-Nov-07	13-Aug-08	20-Aug-09	18-Aug-10	19-Aug-11	25-Aug-05	15-Nov-07	13-Aug-08	20-Aug-09	18-Aug-10	19-Aug-11	28-Aug-06	14-Nov-07	13-Aug-08	17-Aug-09	19-Aug-10	18-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																		
Acetone		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	**5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	2	BDL	BDL	2	1
Chlorobenzene	**100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	5	BDL	3	5	3
Chloroethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4	8	BDL	5	8	6
Chloromethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
1,4 Dichlorobenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	1	BDL	BDL	2	1
1,1 Dichloroethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2 Dichloroethene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
p - Isopropyltoluene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Ether		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	20	8	10	18	12
Tetrahydrofuran		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Toluene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4 Trimethylbenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5 Trimethylbenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
m&p - Xylene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dioxane			NA	NA	NA	NA	27		NA	NA	NA	NA	50		NA	NA	NA	NA	BDL
Methylethylketone (MEK)	**200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Methylisobutylketone (MIBK)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Methyl t-butyl ether (MTBE)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
METALS IN ug/l																			
Aluminum		14	BDL	BDL	BDL	BDL	90	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	60	60	BDL
Arsenic	**10**	42	53	54	53	55	51	BDL	4	1	1	3	2	BDL	3	2	13	30	9
Barium		120	130	120	130	120	120	47	64	39	54	42	39	53	95	44	29	45	48
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		51,000	34,000	41,000	44,000	42,000	41,000	11,000	7,200	5,400	7,400	5,900	5,000	17,000	20,000	6,800	24,000	39,000	33,000
Chromium	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper		BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	2
Iron (Total)		9,200	8,300	11,000	9,700	9,400	9,300	360	330	280	240	220	200	5,500	9,000	7,400	1,900	4,100	1,200
Dissolved Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,400	8,600	5,400	2,200	3,900	1,100
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		28,000	19,000	21,000	27,000	22,000	21,000	7,100	4,600	3,300	5,000	3,600	3,000	9,300	11,000	4,200	10,000	17,000	15,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	8	4	10	7	7	6	5	8	6	7	6	5	2	5	2	5	6	5
Potassium		27,000	22,000	25,000	27,000	23,000	22,000	9,600	7,100	6,500	7,800	6,200	5,800	6,000	6,600	4,300	6,200	8,600	8,000
Selenium		BDL	BDL	2	BDL	5	3	BDL	BDL	2	2	11	5	BDL	BDL	BDL	BDL	5	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		120,000	120,000	120,000	110,000	110,000	94,000	300,000	310,000	260,000	290,000	260,000	270,000	75,000	100,000	50,000	79,000	120,000	130,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		7	BDL	BDL	BDL	6	BDL	5	BDL	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	BDL	BDL
Cobalt		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	5	4
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	140	110	110	110	100	110	88	95	74	87	70	56	410	500	360	2,400	3,600	2,100
Dissolved Manganese		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	400	530	340	2,600	3,600	2,300
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	BDL	1	BDL	BDL	BDL	BDL	1	1	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sulfate		NA	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	5,000	NA	NA	NA	NA
Chloride		NA	110,000	110,000	NA	NA	NA	NA	270,000	NA	NA	NA	NA	NA	81,000	NA	NA	NA	NA
Alkalinity Bicarbonate		NA	410,000	410,000	NA	NA	NA	NA	360,000	NA	NA	NA	NA	NA	200,000	NA	NA	NA	NA
Alkalinity Carbonate		NA	BDL	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA
FIELD PARAMETERS																			
Temperature Degrees C		10.50	9.55	12.82	12.01	12.67	10.91	11.60	11.83	13.67	12.25	11.31	12.19	11.10	10.73	11.72	16.01	15.78	15.90
pH		7.02	7.46	6.74	7.13	6.63	6.13	7.96	7.68	7.61	8.12	7.39	7.14	6.72	6.55	6.30	6.84	6.72	6.60
Conductivity in us/cm		501	1,180	1,108	1,153	1,133	685	466	1,467	1,174	1,354	1,252	727	143	610	319	589	934	474
Dissolved Oxygen in mg/l		1.08	0.33	0.25	3.35	0.28	7.54	2.36	1.45	1.61	1.06	0.37	6.95	2.07	1.32	1.41	0.29	0.85	0.50
Turbidity in NTU		11.0	2.20	93.7	4.85	1.57	1.84	0.40	0.87	4.10	4.50	0.66	0.54	27.2	5.67	12.0	1.74	4.25	0.58
Oxidation/Reduction Potential in mV		-95	-114	-6	-101	-62	-108.8	-116	30	-87	-110	-66	-159.4	-53	42	-13	-17	-66	-17.2

NOTES:
1. NA = Sample was not analyzed for indicated parameter
   BDL = Below Detection Limit
2. Bolded well denotes a bedrock groundwater monitoring well.
3. Blank column indicates the well was not sampled.
4. Potential ICLs are indicated for arsenic and maganese.
5. Shaded values denote exceedance of an established interim cleanup level.
6. Volatile organic compound and metals results are in micrograms per liter (ug/l).
7. Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric turbidity unit, mV = millivolt

TABLE 3

SUMMARY OF OU-2 GROUNDWATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	FPC-6B	FPC-6B	FPC-6B	FPC-6B	FPC-6B	FPC-6B	FPC-7A	FPC-7A	FPC-7A	FPC-7A	FPC-7A	FPC-7A	FPC-7B	FPC-7B	FPC-7B	FPC-7B	FPC-7B	FPC-7B
DATE SAMPLED	CLEANUP	28-Aug-06	14-Nov-07	13-Aug-08	17-Aug-09	19-Aug-10	18-Aug-11	28-Aug-06	16-Nov-07	13-Aug-08	18-Aug-09	20-Aug-10	18-Aug-11	28-Aug-06	16-Nov-07	13-Aug-08	18-Aug-09	20-Aug-10	18-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																		
Acetone		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Benzene	**5**	BDL	2	1	BDL	2	1	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Chlorobenzene	**100**	3	7	4	3	5	4	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Chloroethane		5	11	8	BDL	7	6	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Chloromethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
1,4 Dichlorobenzene		BDL	2	1	BDL	1	1	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
1,1 Dichloroethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
cis-1,2 Dichloroethene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Ethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Isopropylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
p - Isopropyltoluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Naphthalene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Diethyl Ether		BDL	23	15	10	16	13	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Tetrahydrofuran		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Toluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
1,2,4 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
1,3,5 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
o-Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
m&p - Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
1,4-Dioxane			NA	NA	NA	NA	BDL		NA	NA	NA	NA	BDL		NA	NA	NA	NA	BDL
Methylethylketone (MEK)	**200**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Methylisobutylketone (MIBK)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Methyl t-butyl ether (MTBE)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
METALS IN ug/l																			
Aluminum		140	980	90	BDL	BDL	BDL	BDL	520	320	BDL	BDL	BDL	BDL	BDL	140	60	BDL	BDL
Arsenic	**10**	5	9	14	2	3	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL
Barium		30	89	44	49	77	73	2	7	5	3	3	3	BDL	3	18	4	3	3
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		28,000	46,000	30,000	13,000	24,000	21,000	20,000	13,000	13,000	14,000	12,000	11,000	14,000	16,000	14,000	16,000	15,000	14,000
Chromium	**100**	BDL	3	2	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper		BDL	6	1	BDL	BDL	BDL	BDL	3	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (Total)		1,600	1,800	1,700	6,500	7,100	6,800	BDL	1,300	740	BDL	BDL	BDL	1,200	270	8,300	500	BDL	BDL
Dissolved Iron		1,600	810	1,500	5,600	6,800	6,900	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70	BDL	BDL	BDL
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		12,000	23,000	13,000	6,600	13,000	11,000	6,400	4,400	3,800	4,100	3,900	3,200	3,800	4,600	3,700	4,500	4,100	3,800
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	BDL	13	8	3	4	4	3	13	7	4	4	3	BDL	2	18	2	BDL	BDL
Potassium		6,600	10,000	8,100	4,800	7,400	7,000	2,700	2,800	2,100	2,100	2,000	1,800	2,000	2,400	1,900	2,100	1,900	1,900
Selenium		BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	1	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		82,000	140,000	110,000	78,000	110,000	110,000	9,800	9,000	8,000	9,000	9,000	7,000	7,800	10,000	9,000	10,000	9,000	8,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		8	6	BDL	BDL	BDL	BDL	6	7	8	BDL	BDL	BDL	6	BDL	9	8	BDL	BDL
Cobalt		BDL	5	6	BDL	BDL	BDL	BDL	6	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	2,100	3,100	3,000	340	400	380	6	110	34	BDL	BDL	BDL	200	76	1,800	110	14	15
Dissolved Manganese		2,300	3,400	2,800	360	390	400	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	36	BDL	BDL	BDL
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	3	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sulfate		NA	1,000	NA	NA	NA	NA	NA	15,000	NA	NA	NA	NA	NA	17,000	NA	NA	NA	NA
Chloride		NA	140,000	NA	NA	NA	NA	NA	7,000	NA	NA	NA	NA	NA	7,000	NA	NA	NA	NA
Alkalinity Bicarbonate		NA	390,000	NA	NA	NA	NA	NA	49,000	NA	NA	NA	NA	NA	51,000	NA	NA	NA	NA
Alkalinity Carbonate		NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA
FIELD PARAMETERS																			
Temperature Degrees C		15.00	11.05	15.19	12.14	12.36	12.09	12.30	9.13	12.45	11.29	11.61	11.13	12.45	8.67	11.90	12.58	12.49	12.23
pH		6.81	6.69	6.55	6.97	6.79	6.78	6.36	6.97	5.93	6.59	6.40	6.31	6.61	6.47	6.12	6.49	6.47	6.44
Conductivity in us/cm		401	1,137	726	489	757	390	122	168	147	162	155	85	127	171	159	172	171	96
Dissolved Oxygen in mg/l		0.81	0.41	0.24	0.30	0.17	0.17	4.63	3.72	4.75	4.56	4.35	4.50	9.63	3.99	3.68	2.72	2.09	2.14
Turbidity in NTU		2.10	165	56.7	29.2	1.7	1.51	37.2	8.60	25.0	0.23	0.10	0.19	70.6	3.11	111	1.75	0.65	0.92
Oxidation/Reduction Potential in mV		-39	45	0	-51	-111	-105.5	94	169	151	218	145	250.6	105	105	169	201	128	203.9

NOTES:
1. NA = Sample was not analyzed for indicated parameter
   BDL = Below Detection Limit
2. Bolded well denotes a bedrock groundwater monitoring well.
3. Blank column indicates the well was not sampled.
4. Potential ICLs are indicated for arsenic and maganese.
5. Shaded values denote exceedance of an established interim cleanup level.
6. Volatile organic compound and metals results are in micrograms per liter (ug/l).
7. Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric turbidity unit, mV = millivolt

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2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	FPC-8A	FPC-8A	FPC-8A	FPC-8A	FPC-8A	FPC-8A	**FPC-8B**	**FPC-8B**	**FPC-8B**	**FPC-8B**	**FPC-8B**	**FPC-8B**	FPC-9A	FPC-9A	FPC-9A	FPC-9A	FPC-9A	FPC-9A
DATE SAMPLED	CLEANUP	28-Aug-06	8-Nov-07	11-Aug-08	20-Aug-09	18-Aug-10	17-Aug-11	28-Aug-06	8-Nov-07	11-Aug-08	19-Aug-09	19-Aug-10	17-Aug-11	30-Aug-06	12-Nov-07	13-Aug-08	17-Aug-09	16-Aug-10	15-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																		
Acetone		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Benzene	**5**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Chlorobenzene	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Chloroethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Chloromethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
1,4 Dichlorobenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
1,1 Dichloroethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
cis-1,2 Dichloroethene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Ethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Isopropylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
p - Isopropyltoluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Naphthalene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Diethyl Ether		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Tetrahydrofuran		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Toluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
1,2,4 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
1,3,5 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
o-Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
m&p - Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
1,4-Dioxane			NA	NA	NA	BDL	BDL		NA	NA	NA	1	BDL		NA	NA	NA	NA	NA
Methylethylketone (MEK)	**200**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Methylisobutylketone (MIBK)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Methyl t-butyl ether (MTBE)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
METALS IN ug/l																			
Aluminum		380	670	BDL	2,600	2,500	1,000	13	BDL	BDL	BDL	BDL	BDL	BDL	1,000	BDL	BDL	170	160
Arsenic	**10**	BDL	4	2	6	7	8	5	7	7	7	7	8	44	37	26	34	36	42
Barium		4	8	4	15	17	10	6	7	7	8	8	7	120	92	65	88	75	98
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		26,000	21,000	24,000	21,000	20,000	18,000	30,000	20,000	21,000	23,000	22,000	21,000	66,000	47,000	54,000	51,000	42,000	49,000
Chromium	**100**	BDL	BDL	BDL	6	6	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL
Copper		BDL	2	BDL	4	4	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL
Iron (Total)		900	1,300	340	3,600	4,100	2,600	130	60	140	60	90	90	9,600	8,600	4,700	6,300	5,600	7,100
Dissolved Iron		NA	NA	NA	NA	NA	NA	NA	BDL	60	BDL	BDL	BDL	NA	7,000	4,500	6,300	4,800	6,300
Lead	**15**	BDL	BDL	BDL	1	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL
Magnesium		3,500	3,300	3,200	4,300	3,700	3,100	6,900	4,300	4,300	5,000	4,800	4,500	37,000	23,000	22,000	25,000	20,000	24,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	BDL	2	BDL	4	5	3	BDL	BDL	BDL	BDL	BDL	BDL	4	7	4	3	3	3
Potassium		2,400	2,000	2,100	2,500	2,300	2,000	3,600	2,600	3,000	2,700	2,900	2,700	14,000	8,600	8,100	9,200	7,800	8,900
Selenium		BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	2	BDL	2	2	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		11,000	12,000	13,000	13,000	12,000	12,000	18,000	16,000	17,000	18,000	17,000	17,000	94,000	100,000	78,000	89,000	76,000	73,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		6	BDL	BDL	10	12	6	6	BDL	12	BDL	BDL	BDL	6	58	27	5	27	11
Cobalt		BDL	BDL	BDL	2	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	150	150	62	190	210	260	21	29	28	25	32	32	270	410	520	270	220	260
Dissolved Manganese		NA	NA	NA	NA	NA	NA	NA	33	25	25	28	29	NA	450	510	270	210	260
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	1	BDL	7	6	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL
Sulfate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Bicarbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA
Alkalinity Carbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FIELD PARAMETERS																			
Temperature Degrees C		12.30	8.89	10.51	10.60	10.78	11.30	12.03	8.63	10.74	11.27	12.07	11.11	10.50	8.40	11.15	13.91	10.23	11.15
pH		6.36	6.80	6.66	6.95	6.69	6.35	7.26	7.81	8.02	8.17	7.23	7.74	7.00	7.01	6.82	7.58	6.48	7.17
Conductivity in us/cm		162	211	200	223	220	177	176	236	216	253	241	210	941	941	880	1	893	898
Dissolved Oxygen in mg/l		2.01	0.85	0.37	1.31	0.78	0.95	5.47	0.87	0.12	0.22	0.87	0.36	1.36	0.42	0.35	0.19	0.47	0.28
Turbidity in NTU		1.56	28.4	9.90	1.31	107	36.3	0.40	2.20	70.6	6.61	2.63	2.45	15.6	40.1	95.0	1.60	7.50	8.51
Oxidation/Reduction Potential in mV		96	-42	101	21	-16	21.7	-61	1	-163	-150	9	-160.8	-113	26	-5	-96	-42	-134.1

NOTES:
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   BDL = Below Detection Limit
2. Bolded well denotes a bedrock groundwater monitoring well.
3. Blank column indicates the well was not sampled.
4. Potential ICLs are indicated for arsenic and maganese.
5. Shaded values denote exceedance of an established interim cleanup level.
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DATE SAMPLED	CLEANUP	30-Aug-06	15-Nov-07	12-Aug-08	17-Aug-09	16-Aug-10	15-Aug-11	30-Aug-06	15-Nov-07	12-Aug-08	17-Aug-09	16-Aug-10	15-Aug-11	29-Aug-06	14-Nov-07	11-Aug-08	19-Aug-09	18-Aug-10	17-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																		
Acetone		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	**5**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	6	6	6	6	7	6
Chlorobenzene	**100**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	9	10	10	11	11	11
Chloroethane		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	7	9	11	12	9	11
Chloromethane		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
1,4 Dichlorobenzene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	2	4	4	5	5	5
1,1 Dichloroethane		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2 Dichloroethene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	2	2	2	3	3
p - Isopropyltoluene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Ether		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	49	61	57	62	57	54
Tetrahydrofuran		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	83	80	70	80	70	70
Toluene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4 Trimethylbenzene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5 Trimethylbenzene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
m&p - Xylene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	1	1	1	BDL	BDL
1,4-Dioxane			NA	NA	NA	NA	NA		NA	NA	NA	NA	NA		NA	NA	NA	NA	80
Methylethylketone (MEK)	**200**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Methylisobutylketone (MIBK)		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
Methyl t-butyl ether (MTBE)		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL
METALS IN ug/l																			
Aluminum		270	640	120	BDL	100	170	13,000	350	BDL	90	50	6,100	BDL	BDL	BDL	BDL	BDL	BDL
Arsenic	**10**	BDL	1	1	BDL	9	8	6	9	8	10	10	4	6	11	10	13	15	16
Barium		4	17	15	10	36	34	72	18	34	48	52	32	43	52	48	61	60	59
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		7,400	28,000	25,000	17,000	60,000	49,000	64,000	54,000	75,000	56,000	58,000	4,800	65,000	44,000	49,000	69,000	73,000	73,000
Chromium	**100**	BDL	2	BDL	BDL	BDL	BDL	16	BDL	2	BDL	BDL	16	BDL	BDL	BDL	BDL	BDL	BDL
Copper		BDL	3	BDL	BDL	BDL	1	4	2	BDL	BDL	BDL	14	BDL	BDL	BDL	BDL	BDL	BDL
Iron (Total)		1,000	2,100	390	100	910	1,000	13,000	1,900	3,200	1,900	1,400	11,000	6,200	5,100	3,700	4,900	4,800	4,800
Dissolved Iron		BDL	BDL	BDL	BDL	750	630	2,100	240	2,800	1,900	1,200	BDL	5,300	3,800	3,700	4,700	4,500	4,600
Lead	**15**	BDL	2	BDL	BDL	BDL	BDL	6	1	BDL	BDL	BDL	6	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		1,700	6,100	5,200	3,800	19,000	17,000	27,000	12,000	16,000	19,000	20,000	5,700	23,000	18,000	18,000	27,000	24,000	23,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	BDL	9	4	3	BDL	1	17	13	12	3	BDL	30	7	8	9	9	9	8
Potassium		28,000	3,800	3,000	2,400	5,300	5,200	6,500	3,600	5,300	5,800	5,800	2,000	7,500	5,700	6,200	7,100	6,500	6,200
Selenium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	1	BDL	BDL	BDL	BDL	1	11	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		28,000	20,000	39,000	37,000	100,000	95,000	95,000	41,000	38,000	88,000	93,000	9,000	153,000	160,000	160,000	150,000	160,000	140,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		6	26	BDL	6	BDL	13	19	31	13	8	BDL	35	4	BDL	BDL	BDL	BDL	BDL
Cobalt		8	2	BDL	BDL	BDL	BDL	21	6	4	1	BDL	23	BDL	BDL	BDL	BDL	BDL	BDL
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	22	500	36	10	400	350	880	1,300	1,400	710	520	210	480	390	400	500	460	470
Dissolved Manganese		BDL	600	BDL	BDL	400	350	770	1,500	1,300	780	490	62	510	470	400	500	450	460
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	3	1	BDL	BDL	2	7	1	BDL	BDL	BDL	12	BDL	BDL	1	BDL	BDL	BDL
Sulfate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Bicarbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Carbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FIELD PARAMETERS																			
Temperature Degrees C		12.10	12.70	12.89	13.80	16.82	12.54	11.70	12.46	13.72	13.15	12.63	15.39	11.03	10.15	10.60	10.96	10.29	10.08
pH		6.82	5.93	6.00	6.03	6.58	6.91	6.67	6.65	6.96	6.98	6.78	6.45	8.48	7.16	7.95	7.57	7.25	7.05
Conductivity in us/cm		164	348	394	312	978	945	398	761	712	935	1,032	29	431	1,145	512	1,360	1,294	1,293
Dissolved Oxygen in mg/l		8.87	4.84	6.07	5.98	2.15	0.27	6.55	0.79	0.31	0.43	0.44	9.54	1.65	0.28	0.17	0.21	0.08	0.12
Turbidity in NTU		352.8	21.3	94.1	124.0	2.24	4.32	2,906	17.0	21.5	2.28	2.07	14.8	46.1	18.9	16.4	3.88	0.41	0.82
Oxidation/Reduction Potential in mV		58	137	193	178	20	-39.5	-36	110	9	-72	-38	132.1	-190	29	-118	-119	-154	-153.4

NOTES:
1. NA = Sample was not analyzed for indicated parameter
   BDL = Below Detection Limit
2. Bolded well denotes a bedrock groundwater monitoring well.
3. Blank column indicates the well was not sampled.
4. Potential ICLs are indicated for arsenic and maganese.
5. Shaded values denote exceedance of an established interim cleanup level.
6. Volatile organic compound and metals results are in micrograms per liter (ug/l).
7. Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric turbidity unit, mV = millivolt

TABLE 3

SUMMARY OF OU-2 GROUNDWATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	GZ-123	GZ-123	GZ-123	GZ-123	GZ-123	**GZ-125**	**GZ-125**	**GZ-125**	**GZ-125**	**GZ-125**	AE-1A	AE-1A	AE-1A	AE-1A	AE-1A	AE-1A	**AE-1B**	**AE-1B**	**AE-1B**	**AE-1B**
DATE SAMPLED	CLEANUP	12-Nov-07	12-Aug-08	18-Aug-09	16-Aug-10	17-Aug-11	12-Nov-07	12-Aug-08	18-Aug-09	8-Feb-11	15-Aug-11	30-Aug-06	16-Nov-07	12-Aug-08	20-Aug-09	18-Aug-10	15-Aug-11	12-Aug-08	20-Aug-09	16-Aug-10	16-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																				
Acetone		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	**5**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4 Dichlorobenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1 Dichloroethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2 Dichloroethene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p - Isopropyltoluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl Ether		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p - Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane		NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL		NA	NA	NA	NA	BDL	NA	NA	NA	BDL
Methylethylketone (MEK)	**200**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylisobutylketone (MIBK)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl t-butyl ether (MTBE)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS IN ug/l																					
Aluminum		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	63	970	180	BDL	BDL	BDL	BDL	BDL	BDL	470
Arsenic	**10**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	15	39	41	29	20	22	3	4	6	6
Barium		5	4	5	4	5	4	3	3	4	6	18	22	18	18	19	19	150	58	37	60
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		11,000	12,000	16,000	13,000	12,000	14,000	13,000	15,000	14,000	13,000	45,000	14,000	11,000	25,000	29,000	29,000	22,000	25,000	23,000	25,000
Chromium	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper		1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	3	BDL	9	3	BDL	BDL	BDL	2	BDL	BDL	BDL
Iron (Total)		3,900	1,800	2,300	4,500	6,000	350	790	1,400	5,400	14,000	340	3,100	140	100	260	270	620	1,100	2,500	2,600
Dissolved Iron		1,700	370	2,500	1,900	5,100	BDL	BDL	BDL	480	BDL	400	BDL	BDL	120	210	140	BDL	1,100	2,300	1,700
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	4	BDL	15	3	BDL	BDL	BDL	BDL	BDL	BDL	1
Magnesium		3,000	3,100	4,500	3,700	3,500	8,600	8,000	8,900	7,600	8,100	16,000	3,000	2,000	8,600	9,600	10,000	10,000	13,000	12,000	12,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	5	4	5	4	3	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Potassium		2,100	1,900	2,100	1,800	1,900	2,800	2,600	2,600	2,400	2,500	4,900	4,300	3,100	3,800	3,400	3,500	10,000	9,300	6,100	6,100
Selenium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		17,000	15,000	17,000	15,000	15,000	18,000	17,000	19,000	1,600	18,000	22,000	26,000	23,000	24,000	20,000	20,000	31,000	33,000	25,000	24,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		8	BDL	BDL	BDL	BDL	6	8	6	12	26	10	45	9	BDL	BDL	BDL	7	BDL	BDL	6
Cobalt		5	3	5	4	5	BDL	BDL	BDL	BDL	BDL	16	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	3,300	2,300	3,000	2,200	2,400	160	62	81	290	230	440	130	14	250	380	390	300	730	530	560
Dissolved Manganese		3,600	1,900	3,200	2,100	2,300	170	53	88	240	210	450	6	BDL	320	360	380	BDL	750	500	500
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sulfate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Bicarbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Carbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FIELD PARAMETERS																					
Temperature Degrees C		11.72	12.26	14.53	13.58	12.64	10.04	12.92	12.16	8.17	13.27	11.80	9.70	15.26	13.23	13.12	14.16	13.56	13.02	12.33	10.96
pH		5.57	5.63	6.13	5.31	5.44	5.75	5.93	5.81	6.23	6.05	8.77	8.78	8.82	8.76	7.15	7.95	7.82	7.60	6.70	7.36
Conductivity in us/cm		220	183	245	237	210	276	240	281	282	455	227	208	175	262	386	389	387	472	440	464
Dissolved Oxygen in mg/l		0.77	2.41	2.62	3.39	3.43	2.95	3.12	2.03	2.19	3.62	3.55	2.31	3.16	1.36	0.66	0.45	6.19	0.98	0.80	3.02
Turbidity in NTU		22.9	35.2	4.15	18.4	4.82	5.03	23.0	16.6	23.3	95.6	82.8	15.9	12.2	2.62	0.03	0.78	163	3.13	0.66	6.60
Oxidation/Reduction Potential in mV		129	162	121	125	61.3	165	186	172	45.4	221.8	-50	88	82	74	-22	-168	113	-81	-40	132.0

NOTES:
1. NA = Sample was not analyzed for indicated parameter
   BDL = Below Detection Limit
2. Bolded well denotes a bedrock groundwater monitoring well.
3. Blank column indicates the well was not sampled.
4. Potential ICLs are indicated for arsenic and maganese.
5. Shaded values denote exceedance of an established interim cleanup level.
6. Volatile organic compound and metals results are in micrograms per liter (ug/l).
7. Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric turbidity unit, mV = millivolt

TABLE 3

SUMMARY OF OU-2 GROUNDWATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	AE-2A	AE-2A	AE-2A	AE-2A	AE-2A	AE-2A	AE-2B	AE-2B	AE-2B	AE-2B	AE-2B	AE-2B	AE-3A	AE-3A	AE-3A	AE-3A	AE-3A	AE-3A
DATE SAMPLED	CLEANUP	30-Aug-06	8-Nov-07	11-Aug-08	18-Aug-09	17-Aug-10	16-Aug-11	29-Aug-06	8-Nov-07	11-Aug-08	18-Aug-09	17-Aug-10	16-Aug-11	29-Aug-06	15-Nov-07	12-Aug-08	18-Aug-09	19-Aug-10	19-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																		
Acetone		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	**5**	BDL	2	BDL	BDL	1	1	3	5	5	2	2	1	BDL	2	2	2	2	1
Chlorobenzene	**100**	BDL	5	2	2	3	3	3	5	5	3	3	2	6	9	8	7	6	6
Chloroethane		BDL	BDL	BDL	BDL	BDL	BDL	8	11	12	6	BDL	BDL	13	12	13	11	9	8
Chloromethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4 Dichlorobenzene		BDL	2	1	BDL	BDL	BDL	BDL	1	1	BDL	BDL	BDL	BDL	2	1	1	1	1
1,1 Dichloroethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2 Dichloroethene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p - Isopropyltoluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Ether		BDL	19	7	6	7	6	46	65	63	39	29	20	BDL	18	19	15	14	12
Tetrahydrofuran		BDL	20	BDL	10	BDL	BDL	69	60	70	50	30	30	BDL	BDL	BDL	BDL	BDL	BDL
Toluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
m&p - Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dioxane			NA	NA	NA	12	14		NA	NA	NA	110	80		NA	NA	NA	23	19
Methylethylketone (MEK)	**200**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylisobutylketone (MIBK)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl t-butyl ether (MTBE)		BDL	BDL	BDL	BDL	32	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
METALS IN ug/l																			
Aluminum		BDL	BDL	210	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70	BDL	BDL	100	BDL	BDL	BDL
Arsenic	**10**	240	280	230	240	240	250	24	20	19	26	16	28	100	130	150	120	120	110
Barium		26	41	30	28	32	34	200	190	170	160	120	120	65	86	85	76	69	71
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		21,000	29,000	23,000	24,000	28,000	27,000	72,000	57,000	49,000	52,000	45,000	39,000	45,000	38,000	42,000	45,000	40,000	40,000
Chromium	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	1	1	BDL	BDL
Iron (Total)		12,000	19,000	16,000	14,000	16,000	17,000	22,000	18,000	16,000	13,000	6,800	8,800	22,000	19,000	22,000	26,000	18,000	21,000
Dissolved Iron		14,000	19,000	15,000	17,000	16,000	19,000	25,000	18,000	15,000	13,000	6,100	8,600	19,000	19,000	20,000	24,000	17,000	20,000
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL
Magnesium		9,300	11,000	8,300	9,000	11,000	9,900	60,000	40,000	32,000	35,000	29,000	24,000	24,000	20,000	21,000	25,000	19,000	19,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	12	12	12	10	9	8	10	13	10	10	9	7	8	8	9	8	7	6
Potassium		16,000	21,000	17,000	16,000	17,000	16,000	16,000	13,000	13,000	13,000	12,000	11,000	24,000	22,000	22,000	26,000	20,000	19,000
Selenium		BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	1	2	9	BDL	BDL	BDL	BDL	BDL	4	BDL
Silver		BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		43,000	39,000	32,000	33,000	35	33,000	180,000	230,000	200,000	190,000	160,000	140,000	87,000	100,000	86,000	73,000	73,000	66,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		6	BDL	BDL	7	BDL	BDL	6	BDL	BDL	BDL	BDL	BDL	3	BDL	7	BDL	BDL	BDL
Cobalt		8	13	11	10	11	11	BDL	4	2	BDL	2	1	BDL	3	3	4	3	3
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	85	BDL	BDL	BDL
Manganese (Total)	**300**	510	770	610	650	700	740	2,400	2,100	1,700	1,700	1,300	1,200	690	840	850	1,300	760	900
Dissolved Manganese		510	830	560	710	660	830	2,300	2,200	1,500	1,700	1,200	1,200	660	890	800	1,300	740	910
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	1	BDL	BDL
Sulfate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Bicarbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Carbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FIELD PARAMETERS																			
Temperature Degrees C		12.40	10.36	11.14	11.39	11.59	10.83	12.20	9.88	10.98	12.74	13.73	11.99	14.80	11.92	14.39	15.32	13.63	14.26
pH		6.47	6.69	6.54	7.33	6.10	6.33	6.72	7.07	6.84	7.27	6.46	6.84	6.77	7.25	6.64	6.52	6.76	5.30
Conductivity in us/cm		321	743	514	614	663	562	1,269	1,610	1,366	1,530	1,325	1,026	926	1,124	1,076	970	1,016	601
Dissolved Oxygen in mg/l		3.93	0.35	0.14	0.22	0.30	0.46	1.45	1.01	0.67	0.31	0.95	0.28	1.71	0.31	0.24	0.25	0.25	1.73
Turbidity in NTU		0.20	0.77	74.4	2.28	1.28	1.26	3.10	0.60	27.2	2.38	1.03	2.44	4.80	3.94	28.2	10.8	3.9	7.40
Oxidation/Reduction Potential in mV		-29	-102	-59	-69	-33	-88.4	-127	-58	-102	-94	-53	-134.6	-98	-109	-85	-95	-119	-83.9

NOTES:
1. NA = Sample was not analyzed for indicated parameter
   BDL = Below Detection Limit
2. Bolded well denotes a bedrock groundwater monitoring well.
3. Blank column indicates the well was not sampled.
4. Potential ICLs are indicated for arsenic and maganese.
5. Shaded values denote exceedance of an established interim cleanup level.
6. Volatile organic compound and metals results are in micrograms per liter (ug/l).
7. Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric turbidity unit, mV = millivolt

TABLE 3

SUMMARY OF OU-2 GROUNDWATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	AE-3B	AE-3B	AE-3B	AE-3B	AE-3B	AE-3B	AE-4A	AE-4A	AE-4A	AE-4A	AE-4A	AE-4A	AE-4B	AE-4B	AE-4B	AE-4B	AE-4B	AE-4B
DATE SAMPLED	CLEANUP	29-Aug-06	16-Nov-07	12-Aug-08	18-Aug-09	20-Aug-10	17-Aug-11	28-Aug-06	14-Nov-07	11-Aug-08	18-Aug-09	18-Aug-10	17-Aug-11	28-Aug-06	14-Nov-07	11-Aug-08	18-Aug-09	18-Aug-10	17-Aug-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																		
Acetone		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	**5**	BDL	BDL	BDL	1	1	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	**100**	BDL	BDL	BDL	5	5	7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane		6	5	BDL	9	8	9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4 Dichlorobenzene		BDL	BDL	BDL	BDL	1	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1 Dichloroethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2 Dichloroethene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p - Isopropyltoluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Ether		BDL	13	12	14	14	13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
m&p - Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dioxane			NA	NA	NA	24	19			NA	NA	NA	BDL		NA	NA	NA	NA	BDL
Methylethylketone (MEK)	**200**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylisobutylketone (MIBK)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl t-butyl ether (MTBE)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
METALS IN ug/l																			
Aluminum		BDL	BDL	BDL	BDL	BDL	BDL	240	70	470	100	60	BDL	1,500	1,200	1,200	530	790	500
Arsenic	**10**	91	82	95	91	79	83	BDL	3	10	3	2	1	BDL	1	BDL	BDL	BDL	BDL
Barium		180	130	150	160	130	150	11	15	20	13	12	12	8	28	19	12	13	12
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		57,000	45,000	48,000	45,000	41,000	42,000	6,900	4,900	6,100	6,300	6,000	6,800	7,700	6,400	7,100	7,300	7,000	7,300
Chromium	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	2	BDL	1	BDL
Copper		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	5	4	2	2	2
Iron (Total)		14,000	12,000	13,000	16,000	12,000	15,000	9,100	6,500	28,000	9,500	5,000	3,600	1,500	1,900	2,100	720	1,200	800
Dissolved Iron		17,000	16,000	12,000	15,000	12,000	14,000	3,700	160	2,900	3,500	1,500	970	BDL	BDL	400	BDL	BDL	BDL
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	2	BDL	BDL	BDL
Magnesium		32,000	22,000	25,000	26,000	21,000	19,000	6,100	4,300	5,200	5,800	4,900	5,500	4,700	5,100	5,200	5,700	5,300	5,400
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.3	0.1	BDL	BDL	BDL
Nickel	**100**	6	8	9	7	6	5	BDL	7	2	BDL	BDL	BDL	BDL	3	2	1	1	BDL
Potassium		25,000	20,000	21,000	23,000	19,000	18,000	2,300	2,300	2,400	2,300	2,300	2,700	5,000	4,200	4,600	4,200	3,800	4,100
Selenium		BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		110,000	110,000	120,000	92,000	82,000	64,000	6,700	7,000	7,000	8,000	7,000	8,000	23,000	22,000	20,000	21,000	18,000	18,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8	BDL	6	BDL	6	8	8	BDL	6	BDL
Cobalt		BDL	1	1	1	BDL	BDL	BDL	3	1	BDL	BDL	BDL	BDL	2	1	BDL	BDL	BDL
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	1,000	570	480	1,400	950	1,400	310	290	400	320	290	470	220	1,100	600	260	190	220
Dissolved Manganese		1,000	760	430	1,400	940	1,300	300	330	330	350	290	320	90	84	250	42	23	100
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	3	2	BDL	BDL	BDL
Sulfate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Bicarbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Carbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FIELD PARAMETERS																			
Temperature Degrees C		12.30	9.84	11.36	12.89	12.94	12.24	12.27	11.10	13.70	15.22	15.21	14.84	11.78	9.93	10.73	12.66	12.07	11.17
pH		7.23	7.20	7.15	7.40	6.88	6.65	6.41	6.89	6.56	6.81	6.50	6.32	6.74	7.30	6.79	7.00	6.72	6.56
Conductivity in us/cm		969	1,208	1,126	1,156	1,057	1,057	111	118	129	147	142	146	156	207	176	205	196	196
Dissolved Oxygen in mg/l		1.37	0.54	0.16	0.29	0.13	0.46	1.24	3.98	1.08	0.31	0.25	0.54	1.43	0.51	0.62	1.28	1.25	1.56
Turbidity in NTU		5.40	16.3	87.9	4.53	1.13	0.82	3.89	81.6	490	68.2	35.9	17.3	6.10	49.4	115	16.3	14.0	16.0
Oxidation/Reduction Potential in mV		-149	90	-142	-96	-125	-112.9	-83	78	-8	-18	-16	3.0	-37	92	115	167	68	57.8

NOTES:
1. NA = Sample was not analyzed for indicated parameter
   BDL = Below Detection Limit
2. Bolded well denotes a bedrock groundwater monitoring well.
3. Blank column indicates the well was not sampled.
4. Potential ICLs are indicated for arsenic and maganese.
5. Shaded values denote exceedance of an established interim cleanup level.
6. Volatile organic compound and metals results are in micrograms per liter (ug/l).
7. Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric turbidity unit, mV = millivolt

TABLE 4

SUMMARY OF RESIDENTIAL WELL MONITORING RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	R-3	R-3	R-3	R-3	R-3	R-5	R-5	R-5	R-5
DATE SAMPLED	24-Jan-08	13-Aug-08	19-Aug-09	17-Aug-10	18-Aug-11	24-Jan-08	13-Aug-08	19-Aug-09	19-Aug-10
VOCs									
Methyl tert-butyl ether (MTBE)	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
FIELD PARAMETERS									
Temperature Degrees C	13.51	12.51	11.38	12.58	12.62	14.22	14.00	16.51	18.50
pH	5.63	5.85	7.92	7.14	8.08	5.84	5.92	6.68	6.03
Conductivity in us/cm	316	423	452	443	238	243	281	456	222
Dissolved Oxygen in mg/l	4.16	3.72	4.64	2.19	4.65	6.43	8.04	6.75	5.45
Turbidity in NTU	2.0	15.4	2.2	0.5	1.04	1.4	12	2	0.17
Oxidation/Reduction Potential in mV	157	95	-122	-35	-164.5	162	87	194	146

NOTES:

1. BDL = Below Method Detection Limit
2. Only contaminants detected in one or more groundwater samples are listed in this table.
3. Volatile organic compound results are in micrograms per liter (ug/l).

TABLE 5

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	DES SURFACE WATER STANDARDS		SW-4	SW-4		SW-4	SW-4	SW-4	SW-5	SW-5/SW-3T		SW-5/SW-3T	SW-5	SW-5	SW-103	SW-103		SW-103	SW-103	SW-103
DATE SAMPLED			29-Aug-06	15-Nov-07		14-Aug-08	19-Aug-09	19-Aug-11	30-Aug-06	15-Nov-07		14-Aug-08	19-Aug-09	19-Aug-11	28-Aug-06	13-Nov-07		14-Aug-08	19-Aug-09	18-Aug-11
PARAMETER ANALYZED	ACUTE	CHRONIC																		
VOCS BY EPA METHOD 8260B IN ug/L																				
ACETONE				BDL		BDL	BDL	BDL		BDL		BDL	BDL	BDL		BDL		BDL	BDL	BDL
BENZENE	5,300	NSE	BDL	BDL		BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
CHLOROBENZENE	250	50	BDL	BDL		BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
TOLUENE				BDL		BDL	BDL	BDL		BDL		BDL	7.2	BDL		BDL		BDL	1.2	BDL
METALS BY EPA METHOD 200.8 IN ug/L			Total	Total	Dissolved	Total	Total	Total	Total	Total	Dissolved	Total	Total	Total	Total	Total	Dissolved	Total	Total	Total
ALUMINUM	750	87	740	90	100	**1,700**	BDL	160	**3,300**	150	BDL	BDL	BDL	BDL	200	BDL	BDL	BDL	BDL	BDL
ARSENIC (1)	340	150	BDL	2	3	4	4	4	17	6	8	2	45	7	4	5	6	2	11	2
BARIUM	NSE	NSE	12	23	24	50	49	45	70	29	33	53	63	23	38	40	45	29	78	19
CADMIUM (1)	0.95	0.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
CALCIUM	NSE	NSE	10,000	31,000	34,000	25,000	21,000	26,000	67,000	28,000	33,000	43,000	66,000	29,000	48,000	33,000	37,000	46,000	55,000	26,000
CHROMIUM	183	24	BDL	BDL	BDL	2	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
COPPER	3.6	2.7	BDL	3	2	**6**	1	1	BDL	3	2	BDL	1	3	BDL	3	2	2	3	2
IRON (1)	NSE	1000	1,100	160	90	4,700	7	3,000	25,000	5,100	5,600	2,100	30,000	4,600	14,000	11,000	13,000	2,800	25,000	960
LEAD (1)	14	0.54	BDL	BDL	BDL	BDL	4	4	BDL	1	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MAGNESIUM	NSE	NSE	4,700	13,000	15,000	5,600	7,100	9,000	19,000	8,200	9,600	10,000	15,000	7,300	12,000	8,900	9,900	10,000	14,000	7,500
MERCURY (1)	1.4	0.77	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NICKEL (1)	144.9	16.1	BDL	3	4	9	2	2	8	5	6	5	5	4	BDL	7	7	6	5	3
POTASSIUM	NSE	NSE	1,300	3,100	3,500	2,000	5,000	3,600	20,000	21,000	24,000	7,200	20,000	14,000	7,100	18,000	18,000	9,400	8,200	11,000
SELENIUM	NSE	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SILVER	0.32	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SODIUM	NSE	NSE	5,200	17,000	19,000	9,000	13,000	17,000	43,000	35,000	42,000	36,000	46,000	20,000	23,000	38,000	41,000	16,000	39,000	24,000
THALLIUM	1400	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
ZINC (1)	35.4	32.2	14	30	**940**	**40**	26	24	19	10	**900**	BDL	**89**	16	6	10	**740**	BDL	**69**	13
COBALT	NSE	NSE	BDL	BDL	BDL	11	1	2	3	3	3	2	2	3	BDL	7	9	BDL	2	BDL
BERYLLIUM	130	5.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MANGANESE	NSE	NSE	350	470	360	1,900	1,600	2,200	2,800	1,200	1,500	1,300	1,600	2,100	1,600	1,400	1,600	590	3,300	400
ANTIMONY	9,000	1,600	4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
VANADIUM	NSE	NSE	BDL	1	1	12	2	2	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	2	BDL
AMMONIA BY EPA METHOD 350.3 IN mg/l	36.1	3.08		BDL		0.14	1.00	0.34	5.8	2.9		BDL	8.7	1.9	0.2	0.44		0.81	0.48	0.24
CYANIDE (Total)				BDL		NA	NA	NA		BDL		NA	NA	NA		BDL		NA	NA	NA
FIELD PARAMETERS																				
Temperature Degrees C				11.94		18.34	23.67	20.36		7.46		18.10	19.69	18.48		7.71		17.84	21.04	18.62
pH				6.31		5.63	5.92	6.41		6.99		6.45	6.31	6.51		6.69		6.35	6.77	7.87
Conductivity in us/cm				372		126	228	292		675		451	965	178		603		388	610	189
Dissolved Oxygen in mg/l				2.98		2.49	1.19	1.03		0.50		3.29	0.84	2.25		1.30		2.85	1.09	0.76
Turbidity in NTU				7.51		16.80	3.99	3.87		12.6		8.4	33.0	5.48		2.44		7.40	43.5	2.68
Oxidation/Reduction Potential in mV				167		68	52	97.6		-70		73	-111	-50.0		-9		114	-137	20.4

NOTES:

1. BDL = Below Method Detection Limit
2. Only contaminants detected in one or more surface water samples are listed in this table.
3. Bolded values indicates exceedance of NHDES acute surface water criteria.
4. Shaded values indicate exceedance of NHDES chronic surface water criteria.
5. Shaded and bolded values indicate exceedances of both NHDES acute and chronic criteria.
6. (1) = Criteria for these metals are expressed as a function of the water effect ratio (WER) as defined in 40 CFR
   The values displayed in this table correspond to a WER of 1.0.
7. NSE indicates no standard has been established for the indicated parameter.
8. Volatile organic compound and metals results are in micrograms per liter (ug/l).

Field Parameter Units: us/cm = microsiemens per centimeter, mg/l = milligram per liter, NTU = nephelometric

TABLE 6

SUMMARY OF HISTORICAL SURFACE WATER ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	DES SURFACE		SW-5	SW-5	SW5	SW-5	SW-5	SW-5	SW-5	SW-5		SW-5	SW-5	SW-5
DATE SAMPLED	WATER STANDARDS		27-Apr-99	26-Apr-01	16-Aug-01	27-Aug-03	26-Aug-04	29-Aug-05	30-Aug-06	15-Nov-07		14-Aug-08	19-Aug-09	19-Aug-11
PARAMETER ANALYZED	ACUTE	CHRONIC												
VOCs BY EPA METHOD 8260B IN ug/L														
BENZENE	5,300	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
CHLOROBENZENE	250	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
TOLUENE	NSE	NSE	2	BDL	BDL					BDL		BDL	7.2	BDL
METALS BY EPA METHOD 200.8 IN ug/L			Total	Total	Total	Total	Total	Total	Total	Total	Dissolved	Total	Total	Total
ALUMINUM	**750**	87	**19,000**	40	**5,600 (H)**	200	**240,000**	**9,100**	**3,300**	150	BDL	BDL	BDL	BDL
ARSENIC (1)	340	150	BDL	2	25	3	**720**	**1200**	17	6	8	2	45	7
BARIUM	NSE	NSE	190	26	180	40	6100	360	70	29	33	53	63	23
CADMIUM (1)	0.95	0.8	**1**	BDL	BDL	BDL	**10**	BDL	BDL	BDL	BDL	BDL	BDL	BDL
CALCIUM	NSE	NSE	51,000	74,000	38,000	83,000	310,000	54,000	67,000	28,000	33,000	43,000	66,000	29,000
CHROMIUM	183	24	71	BDL	16	3	**380**	30	5	BDL	BDL	BDL	BDL	BDL
COPPER	**3.6**	2.7	**34**	3	**11**	BDL	**140**	BDL	BDL	3	2	BDL	1	3
IRON (1)	NSE	1000	35,000	600	13,000	1,600	1,200,000	250,000	25,000	5,100	5,600	2,100	30,000	4,600
LEAD (1)	14	0.54	**22**	BDL	9	BDL	**440**	10	BDL	1	BDL	BDL	1	BDL
MAGNESIUM	NSE	NSE	29,000	29,000	38,000	35,000	90,000	18,000	19,000	8,200	9,600	10,000	15,000	7,300
MERCURY (1)	1.4	0.77	BDL	BDL	BDL	BDL	**2**	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NICKEL (1)	144.9	16.1	52	11	25	11	**270**	20	8	5	6	5	5	3
POTASSIUM	NSE	NSE	26,000	29,000	68,000	40,000	50,000	20,000	20,000	21,000	24,000	7,200	20,000	11,000
SELENIUM	NSE	5	BDL	BDL	6	BDL	9	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SILVER	0.32	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SODIUM	NSE	NSE	88,000	70,000	220,000	160,000	22,000	21,000	43,000	35,000	42,000	36,000	46,000	20,000
THALLIUM	1,400	40	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
ZINC (1)	35.4	32.2	**83**	11	**49**	8	**530**	**50**	19	10	**900**	BDL	**89**	16
COBALT	NSE	NSE	19	BDL	BDL	BDL	200	10	3	3	3	2	2	3
BERYLLIUM	130	5.3	1	BDL	BDL	BDL	11	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MANGANESE	NSE	NSE	3,300	140	3,500	790	200,000	5,800	2,800	1,200	1,500	1,300	1,600	2,100
ANTIMONY	9,000	1,600	BDL	BDL	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
VANADIUM	NSE	NSE	49	1	11	BDL	360	19	BDL	BDL	BDL	BDL	1	BDL

NOTES:

BDL = Below Method Detection Limit

Bolded values indicates exceedance of NHDES acute surface water criteria.

Shaded values indicate exceedance of NHDES chronic surface water criteria.

Shaded and bolded values indicate exceedances of both NHDES acute and chronic criteria.

(1) = Criteria for these metals are expressed as a function of the water effect ratio (WER) as
The values displayed in this table correspond to a WER of 1.0.

NSE indicates no standard has been established for the indicated parameter.

H = Duplicate sample indicates possible
heterogeneity.

Volatile organic compound and metals results are in micrograms per liter (ug/l).

TABLE 7

SUMMARY OF LEACHATE ANALYTICAL RESULTS
2011 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	DES SURFACE WATER STANDARDS		L-1	L-1	L-1	L-1	L-1	L-1	L-1		L-1	L-1	L-1	L-1
DATE SAMPLED			16-Aug-01	7-Aug-02	27-Aug-03	25-Aug-04	25-Aug-05	30-Nov-06	13-Nov-07		12-Aug-08	19-Aug-09	17-Aug-10	19-Aug-11
COMMENTS	ACUTE	CHRONIC						ID 104240						
PARAMETER ANALYZED														
VOCs BY EPA METHOD 8260BC IN ug/L														
Benzene	5300	NSE	3	2	2	BDL	2	2	3		BDL	1.9	2	2.0
Chlorobenzene	250	50	27	15	18	12	20	18	22		BDL	20	24	18
Chloroethane	NSE	NSE	8	6	6	3	6	BDL	6		BDL	4.4	BDL	4.1
Chloroform	28.9	1240	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL	BDL
1,4 Dichlorobenzene	1120	763	BDL	3	2	BDL	3	2	3		BDL	2.5	3	2.3
1,2 Dichlorobenzene									1		BDL	1.1	2	1.2
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	2	2		BDL	1.5	2	1.6
Diethyl Ether	NSE	NSE	31	BDL	BDL	BDL	BDL	BDL	23		BDL	13	15	12
Naphthalene									BDL		BDL	0.6	BDL	BDL
Tetrahydrofuran	NSE	NSE	32	BDL	BDL	BDL	BDL	BDL	20		BDL	12	10	13
Toluene													1	BDL
1,4-Dioxane			NA	NA	NA	NA	NA	NA	NA		NA	26	20	25
METALS BY EPA METHOD 6020 IN ug/L			Total	Total	Total	Total	Total		Total	Dissolved	Total	Total	Total	Total
Aluminum	**750**	87	**3200**	**4100**	**9,500**	**29,000**	**18,000**		BDL	BDL	170	BDL	BDL	BDL
Arsenic	340	150	83	23	67	150	300		7	6	4	4	7	6
Barium	NSE	NSE	1300	260	610	2200	4600		97	99	11	100	100	97
Cadmium	0.95	0.80	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL
Calcium	NSE	NSE	120,000	97,000	100,000	140,000	150,000		50,000	62,000	20,000	64,000	71,000	63,000
Chromium	183	24	20	13	27	55	70		BDL	BDL	1	BDL	BDL	BDL
Copper	**3.6**	2.7	BDL	**5**	**13**	**36**	**40**		BDL	1	**8**	BDL	BDL	1
Iron	NSE	1,000	350,000	130,000	330,000	1,000,000	1,100,000		30,000	27,000	1,200	35,000	34,000	31,000
Lead	14	0.54	BDL	2	8	**34**	BDL		BDL	BDL	BDL	BDL	BDL	BDL
Magnesium	NSE	NSE	49,000	43,000	36,000	34,000	43,000		20,000	25,000	2,500	25,000	21,000	21,000
Mercury	1.4	0.77	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL
Nickel	144.9	16.1	22	18	28	32	40		7	8	3	7	6	4
Potassium	NSE	NSE	66	55	46,000	38,000	50,000		34,000	40	7,800	37,000	33,000	30,000
Selenium	NSE	5	7	8	4	3	BDL		BDL	BDL	BDL	BDL	2	2
Silver	0.32	NSE	BDL	BDL (2)	**2**	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL
Sodium	NSE	NSE	220,000	200,000	160,000	140,000	150,000		130,000	150,000	BDL	100,000	110,000	91,000
Thallium	1,400	40	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL
Zinc	36.2	36.5	**45**	**51**	**140**	**390**	**690**		BDL	**650**	**56**	12	6	BDL
Cobalt	NSE	NSE	BDL	3	6	11	10		BDL	1	BDL	BDL	BDL	BDL
Beryllium	130	5.3	3	BDL	BDL	3	BDL		BDL	BDL	BDL	BDL	BDL	BDL
Manganese	NSE	NSE	7,600	5,700	5,900	10,000	9,800		2,700	3,200	98	3,200	2,900	2,700
Antimony	9,000	1,600	6	BDL	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	NSE	NSE	46	13	36	89	220		1	1	2	2	1	BDL
Chemical Oxygen Demand by EPA Method 410.4 IN mg/l	NSE	NSE	190	178	560	282	377		70		50	50	54	40
Cyanide (Total)									BDL		NA	NA	NA	NA
Ammonia by EPA Method 350.3 IN mg/l	36.1	3.08	**44.0**	**41.0**	**44.8**	**56.8**	**79.0**		**33**		0.62	21	22	25
FIELD PARAMETERS														
Temperature Degrees C									11.81		17.73	14.14	16.0	14.79
pH									6.19		6.57	6.37	6.56	5.13
Conductivity in us/cm									1,600		176	1,459	1,500	821
Dissolved Oxygen in mg/l									2.23		4.94	1.25	0.63	3.43
Turbidity in NTU									17.9		90	9.98	8.55	2.19
Oxidation/Reduction Potential in mV									138		42	-38	-99	-73.1

NOTES:

1. BDL = Below Method Detection Limit
2. Only contaminants detected in one or more leachate samples are listed in this table.
3. Acute surface water standard shown for ammonia is for a surface water with a pH of 7.0.
4. (1) = Criteria for these metals are expressed as a function of the water effect ration (WER) as defined in 40 CFR 131.36 c, the values displayed in this table correspond to a WER of 1.0.
5. A bold entry indicates the parameter exceeded the acute surface water standard.
6. Shaded values indicate the parameter exceeded the chronic surface water standard.
7. Bold and shaded values indicate exceedances of both NHDES acute and chronic criteria.
7. NSE indicates no standard has been established for the indicated parameter.
8. Volatile organic compounds and metals results are in micrograms per liter (µg/l).

SECTION 1

TABLE 2-1
COAKLEY LANDFILL SUPERFUND SITE
GROUNDWATER QUALITY MONITORING NETWORK, WELL CONSTRUCTION DETAILS AND MONITORING FREQUENCY

Site ID	Date Constructed	Total Boring Depth (ft bgs)	Well Diameter (in)	Monitored Zone	Screened Interval (ftbgs)	Measuring Point Elevation (ft msl)	Monitoring Frequency	High Water Level (ft msl)	Low Water Level (ft msl)	Depth Tubing/ Pump Intake (ft bgs)
Operating Unit 1 Wells										
BP-4	5/17/1993	99.0	6.0	Bedrock	33.6-99.0	111.70	Annual	99.55	95.26	66.3
MW-10	4/15/1996	10.4	2.0	Overburden	5-10	80.60	Annual	75.22	72.78	7.5
MW-11	4/26/1996	52.0	2.0	Bedrock	32-52	92.70	Annual	87.21	79.17	42.0
MW-4	6/14/1985	38.0	2.0	Overburden	28-38	129.12	Annual	100.33	95.94	33.0
MW-5D	6/22/1993	163.5	2.0	Bedrock	139-159	98.39	Annual	90.39	85.84	149.0
MW-5S	8/9/1993	150.0	2.0	Overburden	48-78	98.42	Annual	84.27	88.70	63.0
MW-6	6/19/1985	184.0	6.0	Bedrock	25-184	101.15	Annual	93.84	88.03	104.5
MW-8	4/25/1996	65.0	2.0	Bedrock	44-65	85.30	Annual	81.10	75.32	54.0
MW-9	4/15/1996	12.0	2.0	Overburden	5-10	82.62	Annual	78.03	73.28	7.5
OP-2	5/7/1993	12.5	1.25	Overburden	7-12	98.49	Annual	95.86	85.74	9.5
OP-5	6/11/1993	23.2	1.25	Overburden	13-23	112.68	Annual	107.29	94.92	18.0
RMW-3	5/4/1993	35.0	2.0	Overburden	29-34	117.61	Annual	99.81	87.25	31.5
Operating Unit 2 Wells										
AE-1A	3/26/1999	65.0	2.0	Overburden	54-64	127.00	Annual	99.67	95.55	59.0
AE-1B	3/25/1999	85.5	2.0	Bedrock	75-85	126.80	Annual	99.65	95.51	79.0
AE-2A	7/27/1999	23.1	2.0	Overburden	10-20	79.60	Annual	76.03	72.49	15.0
AE-2B	7/27/1999	50.0	2.0	Bedrock	40-50	79.50	Annual	76.04	72.59	45.0
AE-3A	3/24/1999		2.0	Overburden	28-40	86.10	Annual	78.02	76.30	
AE-3B	3/23/1999	40.0	2.0	Bedrock	28-40	87.30	Annual	78.66	76.86	34.0
AE-4A	9/15/2003	15.0	2.0	Overburden	5-15	77.20	Annual	73.75	70.75	10.0
AE-4B	9/16/2003	44.0	2.0	Bedrock	34-44	77.50	Annual	73.42	70.51	39.0
FPC-2A	4/3/1992	16.0	2.0	Overburden	6-16	78.40	Annual	78.40	75.66	11.0
FPC-2B	4/3/1992	37.8	2.0	Bedrock	22.5-37.5	77.98	Annual	77.78	76.37	30.0
FPC-4B	6/3/1992	33.5	2.0	Bedrock	18-33	75.83	Annual	71.83	68.21	25.5
FPC-5A	3/17/1992	70.0	2.0	Overburden	54-64	74.30	Annual	75.01	72.18	59.0
FPC-5B	5/14/1992	110.3	2.0	Bedrock	95-110	74.90	Annual	74.85	70.96	102.5
FPC-6A	5/19/1992	2.8	2.0*	Overburden	1.75-2.75	77.00	Annual	73.23	70.71	2.3
FPC-6B	3/24/1992	28.5	2.0	Bedrock	13-28	77.10	Annual	73.21	68.37	20.5
FPC-7A	5/11/1992	22.0	2.0	Overburden	16.7-21.7	82.08	Annual	81.63	80.03	19.2
FPC-7B	5/8/1992	45.0	2.0	Bedrock	29.8-44.8	82.33	Annual	81.02	79.69	37.3
FPC-8A	4/9/1992	33.0	2.0	Overburden	23-33	73.80	Annual	73.85	69.23	28.0
FPC-8B	4/8/1992	55.7	2.0	Bedrock	40-55	73.60	Annual	73.52	69.14	47.5
FPC-9A	5/28/1992	68.0	2.0	Overburden	58-68	117.57	Annual	99.87	95.02	63.0
FPC-11A	6/23/1992	52.0	2.0	Overburden	47-52	117.95	Annual	Unavailable	Unavailable	49.5
FPC-11B	6/19/1992	73.0	2.0	Bedrock	58-73	Unavailable	Annual	Unavailable	Unavailable	65.5
GZ-105	5/7/1987	51.0	1.5	Bedrock	35-50	73.60	Annual	71.16	66.42	42.5
GZ-123	2/25/1987	16..5	2.0	Overburden	9.5-16.5	87.49	Annual	Unavailable	Unavailable	13.0
GZ-125	4/13/1987	200.0	6.0	Bedrock	57-200	88.77	Annual	Unavailable	Unavailable	128.5

Notes:
1. Water level highs and lows based on data taken between April 1993 and August 2006 and reported in the 2006 Annual Monitoring Report on Operable Units 1 and 2 prepared by Aries Engineering, June 2007. Water levels were not taken in every well at every event.
2. * = value is assumed.

TABLE 2-2
COAKLEY LANDFILL SUPERFUND SITE
OU-1 GROUNDWATER MONITORING NETWORK,
ANALYTICAL PARAMETERS, AND SAMPLING FREQUENCY

	Groundwater												Residential Wells	
Sampling Point	MW-4	MW-5S	MW-5D	MW-6	MW-8	MW-9	MW-10	MW-11	RMW-3	BP-4	OP-2	OP-5	R-3	R-5
Field Parameters														
Static Water Level	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Turbidity	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Specific Conductance	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Temperature	A	A	A	A	A	A	A	A	A	A	A	A	A	A
pH	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Dissolved Oxygen	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Dissolved Metals														
Dissolved Iron	A	A	N/A	A	N/A	A	N/A	N/A	N/A	N/A	A	A	N/A	N/A
Dissolved Manganese	A	A	N/A	A	N/A	A	N/A	N/A	N/A	N/A	A	A	N/A	N/A
TAL Metals (Total)														
Aluminum	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Arsenic	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Barium	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Cadmium	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Calcium	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Chromium	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Copper	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Iron	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Lead	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Magnesium	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Mercury	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Nickel	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Potassium	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Selenium	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Silver	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Sodium	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Thallium	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Zinc	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Cobalt	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Beryllium	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Manganese	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Antimony	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Vanadium	A	A	A	A	A	A	A	A	A	A	A	A	N/A	N/A
Volatile Organic Compounds														
NHDES Full List	N/A	A	A	A	A	N/A	N/A	A	N/A	N/A	N/A	N/A	A	A
1,4 Dioxane, EDP and DBCP	Note 3	Note 3	Note 3	N/A	Note 3	Note 3	N/A	Note 3	N/A	Note 3	Note 3	Note 3	N/A	N/A

Notes:
1. A = Annual
2. N/A = Not Analyzed
3. Samples collected from these wells during the 2010 annual monitoring event shall be analyzed for 1,4 Dioxane, ethylene dibromide (EDB) and dibromochloropropane (DBCP). The Group, USEPA and NHDES shall determine whether analysis of 1,4 Dioxane, EDP and DBCP is required after 2010.

TABLE 2-3
COAKLEY LANDFILL SUPERFUND SITE
OU-2 GROUNDWATER MONITORING NETWORK,
ANALYTICAL PARAMETERS, AND SAMPLING FREQUENCY

Sampling Point	FPC-2A	FPC-2B	FPC-4B	FPC-5A	FPC-5B	FPC-6A	FPC-6B	FPC-7A	FPC-7B	FPC-8A	FPC-8B	FPC-9A	FPC-11A	FPC-11B	GZ-105	GZ-123	GZ-125	AE-1A	AE-1B	AE-2A	AE-2B	AE-3A	AE-3B	AE-4A	AE-4B
Field Parameters																									
Static Water Level	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Turbidity	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Specific Conductance	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Temperature	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
pH	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Dissolved Oxygen	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Dissolved Metals																									
Dissolved Iron	A	A	A	N/A	N/A	A	A	A	A	N/A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Dissolved Manganese	A	A	A	N/A	N/A	A	A	A	A	N/A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
TAL Metals (Total)																									
Aluminum	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Arsenic	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Beryllium	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Cadmium	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Chromium	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Copper	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Iron	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Lead	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Magnesium	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Mercury	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Nickel	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Selenium	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Silver	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Thallium	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zinc	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Cobalt	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Manganese	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Antimony	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Vanadium	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Volatile Organic Compounds																									
NHDES Full List	A	A	A	N/A	N/A	A	A	N/A	N/A	A	A	N/A	N/A	N/A	A	A	A	N/A	N/A	A	A	A	A	A	A
1,4 Dioxane, EDP and DBCP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Note 3	Note 3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Note 3	Note 3	Note 3	Note 3	N/A	N/A

Notes:
1. A = Annual
2. N/A = Not Analyzed
3. Samples collected from these wells during the 2010 annual monitoring event shall be analyzed for 1,4 Dioxane, ethylene dibromide (EDB) and dibromochloropropane (DBCP). The Group, USEPA and NHDES shall determine whether analysis of 1,4 Dioxane, EDP and DBCP is required after 2010.

TABLE 2-4
COAKLEY LANDFILL SUPERFUND SITE
GROUNDWATER ELEVATION MONITORING NETWORK AND SCHEDULE

Site ID	Monitored Zone	Screened Interval (ftbgs)	Monitoring Frequency
Operating Unit 1 Wells			
BP-4	Bedrock	33.6-99.0	Annual
MW-10	Overburden	5-10	Annual
MW-11	Bedrock	32-52	Annual
MW-2	Overburden	10-20	Annual
MW-4	Overburden	28-38	Annual
MW-5D	Bedrock	139-159	Annual
MW-5S	Overburden	48-78	Annual
MW-6	Bedrock	25-184	Annual
MW-8	Bedrock	44-65	Annual
MW-9	Overburden	5-10	Annual
OP-2	Overburden	7-12	Annual
OP-5	Overburden	13-23	Annual
RMW-3	Overburden	29-34	Annual
Operating Unit 2 Wells			
AE-1A	Overburden	54-64	Annual
AE-1B	Bedrock	75-85	Annual
AE-2A	Overburden	10-20	Annual
AE-2B	Bedrock	40-50	Annual
AE-3A	Overburden	28-40	Annual
AE-3B	Bedrock	28-40	Annual
AE-4A	Overburden	5-15	Annual
AE-4B	Bedrock	34-44	Annual
FPC-2A	Overburden	6-16	Annual
FPC-2B	Bedrock	22.5-37.5	Annual
FPC-4B	Bedrock	18-33	Annual
FPC-5A	Overburden	54-64	Annual
FPC-5B	Bedrock	95-110	Annual
FPC-6A	Overburden	1.75-2.75	Annual
FPC-6B	Bedrock	13-28	Annual
FPC-7A	Overburden	16.7-21.7	Annual
FPC-7B	Bedrock	29.8-44.8	Annual
FPC-8A	Overburden	23-33	Annual
FPC-8B	Bedrock	40-55	Annual
FPC-9A	Overburden	58-68	Annual
FPC-9B	Bedrock	72-87	Annual
FPC-9C	Overburden	15-25	Annual
FPC-11A	Overburden	47-52	Annual
FPC-11B	Bedrock	58-73	Annual
GZ-105	Bedrock	35-50	Annual
GZ-109	Bedrock	103-252	Annual
GZ-123	Overburden	9.5-16.5	Annual
GZ-125	Bedrock	57-200	Annual

TABLE 2-5
COAKLEY LANDFILL SUPERFUND SITE
SURFACE WATER, SEDIMENT, AND LEACHATE MONITORING NETWORK, ANALYTICAL PARAMETERS, AND SAMPLING FREQUENCY

	Surface Water			Sediment		Leachate
Sampling Point	SW-4	SW-5	SW-103	SED-4	SED-5	L-1
Field Parameters						
Turbidity	A	A	A	N/A	N/A	A
Specific Conductance	A	A	A	N/A	N/A	A
Temperature	A	A	A	N/A	N/A	A
pH	A	A	A	N/A	N/A	A
Dissolved Oxygen	A	A	A	N/A	N/A	A
Inorganic Paramters						
Chemical Oxygen Demand	N/A	N/A	N/A	N/A	N/A	A
Ammonia	A	A	A	N/A	N/A	A
TAL Metals (Total)						
Aluminum	A	A	A	5-YR	5-YR	A
Arsenic	A	A	A	5-YR	5-YR	A
Barium	A	A	A	5-YR	5-YR	A
Cadmium	A	A	A	5-YR	5-YR	A
Calcium	A	A	A	5-YR	5-YR	A
Chromium	A	A	A	5-YR	5-YR	A
Copper	A	A	A	5-YR	5-YR	A
Iron	A	A	A	5-YR	5-YR	A
Lead	A	A	A	5-YR	5-YR	A
Magnesium	A	A	A	5-YR	5-YR	A
Mercury	A	A	A	5-YR	5-YR	A
Nickel	A	A	A	5-YR	5-YR	A
Potassium	A	A	A	5-YR	5-YR	A
Selenium	A	A	A	5-YR	5-YR	A
Silver	A	A	A	5-YR	5-YR	A
Sodium	A	A	A	5-YR	5-YR	A
Thallium	A	A	A	5-YR	5-YR	A
Zinc	A	A	A	5-YR	5-YR	A
Cobalt	A	A	A	5-YR	5-YR	A
Beryllium	A	A	A	5-YR	5-YR	A
Manganese	A	A	A	5-YR	5-YR	A
Antimony	A	A	A	5-YR	5-YR	A
Vanadium	A	A	A	5-YR	5-YR	A
Volatile Organic Compounds (4)	A	A	A	N/A	N/A	A

Notes:
1. A = Annual
2. N/A = Not Analyzed
3. 5-YR - Sample once every 5 years beginning in 2014.
4. The Volatile Organic Compounds alalyte list for surface water and leachate shall be the NHDES Waste Management Division Full List of Analytes for Volatile Organics (NHDES Full List). Leachate sample (L-1) shall be analyzed for 1,4 Dioxane, ethylene dibromide (EDB) and dibromochloropropane (DBCP) during the 2010 sampling event. Surface water samples shall not be analyzed for 1,4 Dioxane, EDB or DBCP. The Group, USEPA and NHDES shall determine whether analysis of 1,4 Dioxane, EDB or DBCP is required after 2010.

SECTION 2

Coakley Landfill
P1081

Measure by: KMM / SLD
Date: Aug. 2011

Well ID	DTW	TD	Screened Interval	Diameter	Zone	Tubing Intake	Purge	
Operating Unit 1								
BP-4	14.95	101.37	33.6-99.0	6	Bedrock	49	Discrete	
MW-2	5.75	X	10-20	1	Overburden	X		
MW-4	31.92	38.93	28-38	2	Overburden	33		no lock
MW-5S	12.07	63.09	48-78	2	Overburden	63	15 gal.	
MW-5D	10.61	MM162.8	139-159	2	Bedrock	149	10 gal.	
MW-6	10.42	175.0	25-184	6	Bedrock	150	Discrete	
MW-8	7.76	67.32	44-64	2	Bedrock	54	10 gal.	
MW-9	5.47	12.70	5-10	2	Overburden	7.5		
MW-10	5.14	11.92	5-10	2	Overburden	7.5		
MW-11	11.16	54.60	32-52	2	Bedrock	42	10 gal.	no lock
OP-2	6.83	16.56	7-12	2	Overburden	9.5		no lock
OP-5	15.46	25.57	13-23	1.5	Overburden	18		
RMW-3	obstructed		29-34	2	Overburden	31.5		
Operating Unit 2								
AE-1A	30.00	65.82	54-64	2	Overburden	59		
AE-1B	29.87	87.42	75-85	2	Bedrock	79		no lock
AE-2A	4.60	22.29	10-20	2	Overburden	15		
AE-2B	5.24	52.37	40-50	2	Bedrock	45		
AE-3A	7.80	19.82	- 17.5	2	Overburden	(12.5)		
AE-3B	8.46	42.86	28-40	2	Bedrock	34	6 gal.	
AE-4A	4.10	15.92	5-15	2	Overburden	10		
AE-4B	5.32	45.38	34-44	2	Bedrock	39		
FPC-2A	2.42	18.35	6-16	2	Overburden	11		
FPC-2B	3.04	39.89	22.5-37.5	2	Bedrock	30	7.5 gal.	
FPC-4B	4.82	35.13	18-33	2	Bedrock	25.5	7.5 gal.	
FPC-5A	1.39	29.60	54-64	2	Overburden	59		
FPC-5B	0.57	113.56	95-110	2	Bedrock	102.5	7.5 gal.	
FPC-6A	7.33	9.93	1.75-2.75	2	Overburden	2.3		Threaded Top only no place for lock
FPC-6B	4.75	29.91	13-28	2	Bedrock	20.5	7.5 gal.	green box
FPC-7A	0.98	23.68	16.7-21.7	2	Overburden	19.2		Hinge very rusty
FPC-7B	1.51	46.60	29.8-44.8	2	Bedrock	37.3	7.5 gal.	
FPC-8A	1.74	26.98	23-33	2	Overburden	28		Hinge broken
FPC-8B	1.32	57.71	40-55	2	Bedrock	47.5	7.5 gal.	replace Tubing
FPC-9A	20.99	68	58-68	2	Overburden	63		
FPC-9B	20.91	X	72-87	2	Bedrock	X		
FPC-9C	21.10	X	15-25	2	Overburden	X		
FPC-11A	21.27	51.33	47-52	2	Overburden	49.5		
FPC-11B	20.50	70.64	58-73	2	Bedrock	65.5	7.5 gal.	
GZ-105	2.99	49.15	35-50	1.5	Bedrock	42.5	7.5 gal.	
GZ-123	10.07	17.45	11.5-16.5	2	Overburden	13		
GZ-125	3.45	199.90	57-200	6	Bedrock	72	Discrete	

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-15-11
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: _____
Depth to Water: _____
Total Depth: _____
Pump Intake Depth: _____
Purging Device: Disposable Bailer / peristaltic sampler

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
0745		~~1237~~			13.27	455	6.05	221.8	3.62	95.6	
BP-4					13.66	1117	6.94	-139.2	3.54	11.2	17.00
MW-6					14.64	244	6.33	302	2.34	109.2	19:00 sample

Stabilization Definitions

Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-18-4
Sampled By: RMM
Provan & Lorber, Inc.

Monitoring Point: MW-4
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: ~~Peristaltic Pump~~ Bailer

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
12:40				0	16.68	536	6.32	-67.0	2.55	17.0	
				1	15.79	548	6.34	-80.5	3.02	184	
13:06				2	15.13	559	6.34	-82.8	2.96	132	
				3	15.26	552	6.37	-83.4	2.80	55.8	
13:17				4	15.40	559	6.37	-82.1	2.94	26.6	
				5	15.52	551	6.38	-81.5	2.91	13.9	
13:30				6	15.29	554	6.38	-80.2	2.64	13.9	
				7	15.29	553	6.38	-78.7	2.60	12.4	
13:42				8	15.24	552	6.35	-78.4	2.53	13.1	
13:45	Sample										
Δ <0.3'					3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/19/11
Sampled By: Sam Duguay
Provan & Lorber, Inc.

Monitoring Point: MW-55
Depth to Water: 12.10
Total Depth: 83.21
Pump Intake Depth:
Purging Device:

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
1315	12.10										Start pump @ 1315
1325	14.51		240		13.65	699	6.70	-131.4	.51	3.54	
1340	14.61		300		14.01	683	6.75	-133.0	.43	3.73	
1355	14.67				13.93	679	6.76	-133.0	.39	2.84	
1410	14.70		300		13.52	671	6.78	-134.4	.38	1.38	
1425	14.86				13.58	665	6.77	-133.8	.31	2.11	
1440	14.92		300		13.67	668	6.76	-133.0	.30	2.23	
1455	14.98		300		13.47	673	6.76	-132.6	.24	3.86	
1510	15.23		240		13.12	675	6.75	-131.2	.26	1.69	
1525	15.32		240		13.11	677	6.74	-131.7	.26	5.84	
1540	15.44		240		13.42	685	6.74	-132.0	.27	6.08	
1555	15.42				13.33	680	6.76	-132.1	.25	5.80	
1610	15.42		240		13.09	672	6.78	-131.9	.25	4.46	
1620	15.41		240		13.05	683	6.78	-131.3	.21	3.05	
1625	15.40		240		13.10	687	6.77	-131.0	.23	3.01	
	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Samples taken @ 16:35
gallons purged = 10.1 gal

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/18/11
Sampled By: SLD
Provan & Lorber, Inc.

Monitoring Point: MW 5-D
Depth to Water: 10.42'
Total Depth: 162.8'
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
pump on @ 8:45											
8:55			96		11.66	1353	6.97	-175.3	.68	2.66	
9:10	12.82		116		11.37	1352	7.01	-173.4	.34	1.72	
9:25	12.51		176		11.92	1352	6.98	-170.1	.34	1.28	
9:35	12.32		176		11.99	1352	6.97	-168.2	.34	2.18	
9:45	12.17		260		12.22	1352	6.97	-166.6	.33	1.47	
9:55	11.79				13.03	1353	6.92	-165.9	.42	2.14	
1005	11.75		268		13.04	1353	6.83	-164.3	.42	2.74	
1015	11.72		~~245~~ 244		13.05	1353	6.87	-163.5	.41	3.73	
1025	11.76		256		~~13.50~~	1356	6.88	-162.7	.42	2.12	*12.97°C
~~1035~~	11.75		224		13.12	1358	6.88	-162.1	.37	3.78	1040am
1050	11.76		240		13.27	1367	6.80	-161.4	.33	1.76	
	~~Sample collected~~										
	Sample 1055										
				10gal							

	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/18/11
Sampled By: SLD
Provan & Lorber, Inc.

Monitoring Point: MW-8
Depth to Water: 7.53
Total Depth: ~~10.10~~ 67.32
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
pump on @ 1148											
~~1150~~	7.53										
1155	9.13		128		12.61	1385	6.42	-161.9	.62	17.9	
1210	10.44		132		11.56	1375	6.02	-161.2	.24	26.1	
1220	10.22		164		11.94	1392	6.02	-160.6	.23	20.5	
1230	10.20		160		11.87	1407	6.10	-158.0	.22	2.11	
1240	10.23		140		11.90	1413	5.90	-151.9	.24	5.00	
1250	10.30		130		11.98	1453	5.79	~~-145.2~~	.28	8.57	* -145.2
1300	10.17		172		12.10	1460	5.78	-140.4	.31	10.06	
1310	10.03		168		12.18	1497	5.75	-133.3	.35	10.41	
1320	9.81		200		12.59	1521	5.70	-130.3	.42	11.45	
1330	9.66		200		12.72	1543	5.64	-129.8	.40	11.87	
1340	9.53		216		12.53	1555	5.60	-129.3	.47	11.4	
		total volume =	10 gal								
	SAMPLE @		13:45								
9.49											
Δ <0.3'					3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/18/11
Sampled By: SLD
Provan & Lorber, Inc.

Monitoring Point: MW-9
Depth to Water: 6.36
Total Depth: 12-28
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
~~1810~~ pump on @ 17:57											
1805	7.14		310		16.47	296	5.98	-16.6	.93	26.0	
1810	7.31				16.28	297	6.01	-23.2	.66	18.5	
1815	7.41		240		16.08	313	6.04	-30.7	.68	12.1	
1820	7.50				15.97	332	6.07	-38.3	.58	12.8	
1825	7.62		240		15.80	362	6.10	-44.9	.61	11.9	
1830	~~7.77~~		240		15.63	402	6.11	-50.6	.69	~~8~~8.78	☆ 7.77' DTW
1840 ~~1835~~	7.80				15.44	472	6.13	-56.8	.69	8.42	
1845	7.93		240		15.32	519	6.13	-59.7	.55	5.84	
1850	7.97		200		15.19	546	6.13	-61.0	.40	5.29	
1855 ~~1900~~	8.06		204		15.15	576	6.13	-61.8	.39	3.83	
1900	8.07		200		15.06	625	6.13	-63.2	.42	2.87	
1905	8.11		200		15.00	688	6.13	-64.2	.41	2.10	
1910	8.15		200		14.94	720	6.14	-65.4	.43	1.99	
1915	8.15		200		14.90	731	6.14	-65.9	.41	1.41	
1920			208		14.85	738	6.14	-66.3	.40	1.25	
	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

total vol = 10 gal
Samples taken @ 19:25

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/19/2011
Sampled By: Sam Digway
Provan & Lorber, Inc.

Monitoring Point: MW-10
Depth to Water: 5.88
Total Depth: 11.88
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
17:00	5.88		80		18.93		7.72	-71.2	9.73	89.7	Pump on @ 1700
17:10	5.85		90		19.07		7.94	-47.2	9.71	52.4	
17:15	5.91		90		15.36		6.35	-57.8	4.5	9.04	
17:20	5.57		90		15.31		6.34	-62.2	.34	4.94	
17:25	5.97		90		15.29		6.33	-63.6	.32	4.07	
17:30	5.92		90		15.28		6.33	-64.2	.29	3.85	
17:35	5.91		90		15.28		6.32	-64.7	.30	3.95	
	Sampled @ 17:35										
	Total Purged =			5.5 gal							

Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 9/9/11
Sampled By: Sam Duguay
Provan & Lorber, Inc.

Monitoring Point: MW-11
Depth to Water: 10.94
Total Depth: 54.64
Pump Intake Depth:
Purging Device: Peristaltic Pump

pump on @ 8:19

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
8:35	11.82		300		12.99	493	6.77	-162.1	.33	3.21	
8:50	11.86		302		13.02	496	6.65	-153.8	.21	7.04	
9:05	11.90				13.08	498	6.51	-146.3	.19	3.70	
9:20	11.95		300		13.22	497	6.30	-135.6	.18	4.62	
9:35	11.99				13.30	495	6.28	-130.4	.24	.82	
9:50	12.03		300		13.29	488	5.96	-118.5	.22	3.37	
10:05	12.07				13.29	487	5.86	-112.4	.22	2.72	
10:20	12.10		280		1332	484	5.63	-106	.21	2.62	
10:35	12.14				13.48	480	5.39	-101.7	.23	1.81	
10:50	12.16		300		13.57	480	5.31	-98.1	.21	2.75	
11:05	12.17				13.55	480	5.30	-96.7	.20	4.20	
11:20	12.19				13.90	483	5.39	-98.5	.18	4.35	
	total purged = 10gal										
	Samples @ 11:30										
	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

1383
1155

16:52:20
5305

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/17/11
Sampled By: SLD
Provan & Lorber, Inc.

Monitoring Point: OP-2
Depth to Water: 6.70
Total Depth: 16.60
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
pump on @1645											
[redacted]	7.09		180		16.15	538	5.44	-64.5	6.28	5.25	(1650 1st Measurement)
1700	7.13		160		14.51	537	4.79	-54.8	3.54	8.84	
1705	7.15		150		14.44	538	4.61	-52.3	2.98	5.51	
1710	7.18		145		14.26	536	4.53	-50.7	1.48	3.25	
1715	7.25		110		14.06	536	4.46	-50.2	.99	2.79	
1720	7.22		120		14.09	538	4.45	-50.1	.68	2.65	
1725	7.24				14.04	536	4.44	-49.8	.50	2.59	
1730	7.22		124		14.03	538	4.48	-49.9	.42	3.66	
1735	7.24		116		13.95	539	4.43	-49.7	.43	1.64	
1740											
Samples taken @ 1740											
			total purged = 10.1 gal								
Stabilization Definitions	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	

.17

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/17/11
Sampled By: SLD
Provan & Lorber, Inc.

Monitoring Point: OP-5
Depth to Water: 15.46
Total Depth: 25.57
Pump Intake Depth:
Purging Device: Peristaltic Pump

pump on @ 1810

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
1818	15.52		96		10.32	182	5.4	26.6	2.06	4.28	
1825	15.52		98		10.23	184	5.37	26.9	.71	2.17	
1830	15.52		96		10.17	182	5.39	29.0	.58	1.48	
1835	15.50		100		10.18	182	5.41	29.9	.33	1.75	
1840	15.52				10.15	183	5.42	30.1	.26	1.78	
1845	15.51		96		10.16	182	5.44	30.3	.18	1.68	
1850											
1855											
1900											
		sample @ 1850									
		total purged = 9.75 gal									

										Stabilization Definitions
Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 5-15-11
Sampled By: SLD & KM
Provan & Lorber, Inc.

Monitoring Point: AE-1A
Depth to Water: 30.0
Total Depth: ~~46~~
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate Sec. / Liter	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
0945											
0930	30.09		~~30.09~~ 250		12.71	252	8.55	-42.6	1.16	2.61	
1000	30.08		392		12.70	267	8.56	-107.6	~~14.97~~	1.08	
1010	30.07		400		13.28	327	8.37	-189.5	.44	1.27	
1015	30.07		~~400~~		13.49	339	8.23	-191.8	.45	.97	
1020	30.07		432		13.53	340	8.14	-187.0	.57	1.01	
1025	30.06				13.40	337	8.05	-180	.56	.38	
1030	30.07	~~400~~	400		13.58	312	7.98	-173.5	.66	.60	
1035	30.07				13.44	393	7.95	-169	.59	.57	
1040	30.07				13.94	390	7.94	~~-37~~	.37	.40	* -169.2
1045	30.08		436		13.98	360	7.94	-167.4	.48	.26	
1050	30.06				14.16	389	7.95	-168	.45	.78	
1055 Sample				3 gal							
	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-16-11
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: MF-1B
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: ~~Peristaltic Pump~~ Bailer

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
13:05				0	13.69	492	7.79	49	7.18	6.70	
				2	11.90	412	7.52	100	7.78	8.68	
13:19				4	11.16	490	7.60	-65	3.71	9.20	
13:27				6	10.95	460	7.47	-114	3.62	13.3	
13:33				8	10.84	499	7.35	-126.6	3.43	9.20	
13:40				10	10.73	460	7.34	-138.8	3.07	6.95	
13:46				12	10.01	459	7.34	-134.4	2.99	6.76	
13:55				14	10.96	464	7.36	-132.0	3.02	6.60	
14:00	Sample										

Stabilization Definitions

Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-16-11
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: AE-2A
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
17:15	4.39										
17:20	5.54		156		11.24	573	6.37	-85	2.01	2.86	
17:30	5.69		160		10.95	570	6.31	-86.4	1.45	2.30	
17:40	5.58		180		10.91	567	6.32	-87.7	0.86	1.34	
17:45	5.61				10.81	563	6.32	-85.0	0.69	1.38	
17:50	5.61				10.79	563	6.32	-88.3	0.57	1.17	
17:55	5.61				10.80	563	6.32	-88.4	0.48	1.06	
18:00	5.61		176		10.93	562	6.33	-88.4	0.46	1.26	
18:09	sample										
Δ <0.3'					3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-16-11
Sampled By: MM
Provan & Lorber, Inc.

Monitoring Point: AE-2D
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
15:36	5.64		104								
15:42	8.75		120		11.30	1172	6.68	-110	2.11	5.16	
15:49	13.97		240		11.25	994	6.82	-128.5	0.52	1.85	
15:55	16.02				11.64	973	6.89	-129.7	0.34	1.86	
16:00	17.85			2½	11.85	1049	6.86	-129.9		1.71	
16:00	stop - replace DO meter sensor										
16:30	restart										
16:35	21.05		260		12.69	1081	6.77	-130.2	1.59	2.29	
16:40	23.31				11.72	1053	6.74	-133.7	1.76	1.59	
16:45	24.52		360		11.71	1044	6.77	-134.6	0.35	1.92	
16:50	26.06				11.95	1032	6.81	-133.7	0.47	2.05	
16:55	26.97			3½	11.99	1026	6.84	-134.6	0.25	2.44	
17:00	sample										

Stabilization Definitions

Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-19-11
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: AE-3A
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
11:31	8.40										
11:35	9.64		252		15.01	620	5.78	-97.9	2.40	14.4	Slow effec slowed up
11:40	9.99		240		14.75	619	5.38	-97.2	1.99	11.12	
11:45	10.00		256		14.76	613	5.32	-93.7	1.70	11.3	
11:50	9.95				14.55	608	5.47	-89.7	1.65	12.81	
11:55	9.95				14.40	607	5.42	-88.4	1.64	8.60	
12:00	9.97		260		14.44	606	5.42	-87.5	1.68	8.70	
12:05	9.95				14.42	605	5.39	-86.9	1.64	7.26	
12:10	9.95		256		14.30	604	5.33	-85.6	1.70	7.00	
12:15	9.97				14.26	601	5.30	-83.9	1.73	7.40	
12:20	Sound										

Stabilization Definitions

Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-17-11
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: AE-3B
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
16:38	8.99										
16:45	11.32		230		13.40	1020	7.04	-147	1.06	8.03	
16:55	12.23		260		13.04	1073	6.99	-142.7	0.64	6.38	
17:05	12.14		320		13:36	1070	6.71	-126.5	0.64	2.83	
17:15	11.98				13.07	1061	6.64	-121.5	0.60	1.59	
17:25	11.99		352	3	12.93	1060	6.63	-119.8	0.55	1.01	
17:35	12.17		276		12.19	1056	6.60	-116.8	0.49	1.07	
17:45	12.16		340		12.40	1057	6.68	-119.0	0.47	1.05	
17:55	11.97		332		12.42	1053	6.67	-113.7	0.46	0.86	
18:05	11.89		332		12.33	1058	6.66	-113.0	0.47	0.88	
18:15	11.97				12.24	1057	6.65	-112.9	0.46	0.82	
16:20	Sample										
16:00	Field Blank										
	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-17-01
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: AE-4A
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
12:32	4.10										
12:40	5.40		260		14.07	147	6.37	+3.2	0.67	232	Orange - cloudy
12:50	5.60		268		14.30	147	6.36	-3.2	0.28	198	
13:00	5.64		252		14.42	147	6.35	-6.7	0.35	44.8	Clearing, v. sl. cloudy
13:09	5.70				14.41	147	6.34	-6.0	0.38	33.9	
13:10	5.74		240		14.48	147	6.34	-5.5	0.40	31.1	
13:19	5.74				14.63	147	6.34	-5.6	0.48	23.1	
13:20	5.76			#3	14.68	146	6.33	-1.4	0.54	21.4	
13:29	5.75		240		14.75	146	6.32	-0.1	0.34	19.0	
13:30	5.75				14.77	146	6.32	+0.6	0.55	18.9	
13:39	5.70			#4	14.84	146	6.32	+3.0	0.94	17.3	
13:40	Sample										
Δ <0.3'					3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-17-11
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: AE-4B
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
11:30	5.65										
11:35	9.10		156		10.77	199	6.51	86.6	8.16	29.1	
11:40	12.13		200		10.73	200	6.52	100.3	0.68	20.5	
11:45	14.47		208		10.90	198	6.34	104.9	1.15	16.4	
11:50	16.52		260		11.21	197	6.35	106.0	2.32	19.2	
11:55	18.72		292		11.30	197	6.35	96.7	1.34	16.2	
12:00	19.63				11.44	197	6.35	76.6	1.42	16.7	
12:05	21.04		312		11.18	196	6.35	67.6	1.42	16.8	
12:10	22.42				11.18	196	6.36	59.0	1.32	16.5	
12:15	23.67		332	4 gal	11.17	196	6.36	57.8	1.56	16.0	
12:20	sample										
Δ <0.3'					3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/16/11
Sampled By: SCD
Provan & Lorber, Inc.

Monitoring Point: FPC-2a
Depth to Water: 2.42
Total Depth: 18.55
Pump Intake Depth:
Purging Device: PERISTALTIC PUMP

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
10:25	2.42				~~12.82~~	~~221~~					
10:30	3.16		~~88~~		12.02	221	6.39	-44.7	.67	96.7	
10:35	3.25		92		11.74	223	6.39				
10:40	3.27				11.65	226	6.41				
10:45	3.26		92		11.59	227	6.42				
10:50	3.25				11.62	229	6.42				
10:55	3.28		88		11.55	227	6.43				
11:00	3.28				11.53	227	6.43				
11:05	3.51		84		11.39	227	6.43				
11:10	3.57		84		11.35	228	6.43				
11:15	3.57		84		11.37	226	6.44				
11:20	3.59		84		11.29	225	6.45				
11:25	3.58		84		11.31	225	6.46				
			SAMPLE TIME = 11:35am								
				10 gal							
	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/16/11
Sampled By: SLD
Provan & Lorber, Inc.

Monitoring Point: FPC 2-b
Depth to Water: 3.04
Total Depth: 39.99
Pump Intake Depth:
Purging Device: Peristaltic Pump

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Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
11:55 (pump on)	3.04		80	~~10.12~~	10.12	196	8.07	-198	.21	3.00	
12:00	10.50		92		10.72	196	8.04	-203.4	.15	1.35	
12:05	14.42		92		10.59	196	8.05	-205.1	.13	1.09	
12:10	18.77		104		10.73	195	8.03	-203.7	.11	1.08	
12:15	22.19		220		11.63	193 ~~196~~	7.94	-180.5	.59	1.07	
12:20											
12:25	25.43		400	~~12.52~~	12.32	190	7.84	-130.0	1.30	1.96	
12:30	25.77		420		12.63	190	7.86	-120.06	1.71	1.98	
12:35	26.09		560		12.81	188	7.89	-115.9	1.83	2.03	
12:40	26.42		524		13.20	188	7.94	-115.1	1.97	2.84	
12:45	26.80				12.94	187	7.99	-115.5	2.79	2.30	
12:50	27.07		630		13.20	187	7.99	-110.0	2.17	2.15	
12:55	27.41		900		13.61	188	8.12	-115.0	2.74	2.04	
13:00	27.60		600		13.97	188	8.20	-119.3	2.03	2.03	
13:05	27.89		620		13.50	188	8.24	-129.6	1.74	2.05	
13:10	28.13		620		13.58	189	8.23	-127.1	1.71	2.19	
	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/16/11
Sampled By: SLD
Provan & Lorber, Inc.

Monitoring Point: FPC-26
Depth to Water: 3.04
Total Depth: 39.99
Pump Intake Depth:
Purging Device: Peristaltic Pump

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Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
13:15	28.42		650		13.78	188	8.26	-131.9	1.84	1.87	
1320	28.64		650		13.96	188	8.27	-131.1	1.81	1.47	
1325	28.89		723		13.99	188	8.28	-138.8	1.51	1.59	
1330	29.06		730		14.00	188	8.26	-141.1	1.40	1.67	
1335	29.20				14.06	189	8.27	-141.3	1.39	1.40	
1340	29.35		840		14.81	186	8.37	-140.4	1.28	3.05	
1345	29.42		700		14.90	186	8.38	-135.2	3.65	2.35	
1350	29.58		700		14.81	186	8.39	-108.0	4.79	2.20	
1355	29.72		960		14.65	186	8.40	-112.4	2.40	1.61	
1400	29.84		~~9~~		14.61	186	8.40	-115.0	1.72	1.17	
1405	29.96		936		14.65	186	8.42	-114.6	1.59	1.94	
1410	30.05		1180		14.94	186	8.42	-103.9	3.27	1.91	
				7.5gal							
	SAMPLES @ ~~2:35~~ → 14:35										

Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-17-11
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: FDC-4B
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
9:27	5.05		140	0							
9:35	5.87		144		10.79	96	6.30	80.3	0.45	3.07	
9:45	5.94		172		10.19	96	6.15	95.2	0.27	3.79	
9:55	3.98		164	3½	10.13	96	6.12	81.7	0.24	2.26	
10:05	3.98				10.04	95	6.05	97.0	0.24	1.09	
10:15	6.00		188		10.04	95	6.07	108.7	0.24	0.88	
10:25	3.98			5½	10.09	94	6.17	111.8	0.24	0.84	
10:35	3.99				9.95	95	6.15	121.4	0.24	0.99	
10:45	6.00		184	7½+	10.02	94	6.11	116.1	0.24	0.64	
10:50	Sample										

Stabilization Definitions	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-19-11
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: RPC-5A
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: peristaltic pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
15:27	1.48										
15:35	1.61		176		11.89	685	6.08	-108.3	10.35	2.01	
15:40	1.65		152		11.99	685	6.03	-108.6	10.12	2.05	
15:45	1.69		128		11.16	684	5.98	-108.3	9.98	1.70	
15:50	1.70			3	11.02	685	5.89	-108.2	8.87	1.98	
15:55	1.69		128		10.89	685	6.01	-108.3	8.59	2.11	
16:00	1.70				10.92	685	6.04	-108.4	8.25	2.59	
16:05	1.70				10.86	685	6.07	-108.5	7.74	2.49	
16:10	1.70				10.90	685	6.09	-108.5	7.62	3.30	
16:15	1.69			5	10.91	685	6.13	-108.8	7.54	1.84	
16:20	sample										

						Stabilization Definitions
Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-19-14
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: RPC-5A/B
Depth to Water: _____
Total Depth: _____
Pump Intake Depth: _____
Purging Device: peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
13:50	0.75										
14:00	1.58		156		12.64	813	6.76	-142.8	9.90	0.88	
14:10	1.59		168	2	12.63	805	6.85	-149.8	8.42	0.57	
14:20	1.56				12.35	776	7.00	-154.5	8.19	0.51	
14:30	1.57		168	4	12.38	798	7.04	-153.9	8.61	0.55	
14:40	1.56				12.35	745	7.07	-157.4	7.26	0.69	
14:50	1.57		172		12.34	737	7.11	-156.7	6.87	0.51	
15:00	1.58				12.29	730	7.13	-159.2	6.93	0.47	
15:10	1.61			8	12.19	727	7.14	-159.4	6.95	0.54	
15:15	Sampled										

Stabilization Definitions	Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-18-4
Sampled By: RMH
Provan & Lorber, Inc.

Monitoring Point: FPC-6A
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
17:07	7.33										
17:11	7.47		252		16.15	502	6.73	-52.7	0.26	3.16	
17:15	7.50		252		13.88	482	6.64	-30.1	0.42	1.50	
17:20	7.50				13.88	477	6.61	-22.1	0.44	0.89	
17:25	7.50		252	1	13.99	475	6.60	-18.4	0.47	0.84	
17:30	7.50			1 1/2	13.80	474	6.60	-17.2	0.50	0.96	
17:39	Sampled										

Stabilization Definitions

Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-18-14
Sampled By: KMO
Provan & Lorber, Inc.

Monitoring Point: RPC-6B
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
15:28	4.78		172								
15:35	5.69		164		12.78	276	6.80	-111.2	0.33	107.9	
15:45	5.70		188		12.48	344	6.79	-110.3	0.30	15.0	
15:55	5.70		180	2 3/4	12.14	361	6.78	-107.6	0.23	6.92	
16:05	5.63		184		12.30	369	6.78	-107.0	0.21	5.25	
16:15	5.65				12.33	377	6.78	-106.6	0.19	5.49	
16:25	5.65		180	5 1/2	12.19	384	6.79	-106.0	0.18	1.59	
16:35	5.65				12.01	385	6.78	-103.7	0.18	1.57	
16:45	5.66			7"	12.06	386	6.78	-103.6	0.17	1.07	
16:55	5.66			7 3/4	12.09	390	6.78	-103.5	0.17	1.51	
17:00	Sample										

Stabilization Definitions

Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-16-11
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: FPC-7A
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
10:32	0.98										
10:45	1.06		220		13.67	85	6.42	218	6.32	6.84	
11:00	1.08		144		12.39	85	6.33	224.5	5.01	1.86	
11:05	1.08		192		11.93	85	6.32	230.0	6.38	0.42	
11:10	1.08		140		11.45	85	6.30	236.0	5.94	0.39	
11:15	1.09		136		11.38	85	6.31	241.1	5.30	0.41	removed air in line
11:20	1.08				11.25	85	6.31	245.1	4.41	0.29	
11:25	1.09		140		11.22	85	6.31	247.5	4.46	0.22	
11:30	1.09				11.13	85	6.31	250.6	4.30	0.19	
11:35	Sampled										

Stabilization Definitions

Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 4/28-11
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: RPC-7B
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
8:59	1.70										
9:05	4.02		204		12.69	93	6.52	112	4.14	5.03	
9:30	5.32		240	2½	12.25	91	6.39	170.2	3.57	2.92	
9:40	5.45		252		12.15	92	6.39	176.5	3.25	1.54	
9:50	5.34		252	4	12.44	94	6.40	181.5	2.89	1.14	
10:00	5.26				12.46	94	6.42	189.7	2.59	1.28	
10:10	5.19		264	5	12.47	95	6.42	190.8	2.42	1.16	
10:20	5.17				12.39	95	6.43	196.2	2.29	1.04	
10:30	5.30		252		12.21	95	6.43	200.7	2.22	1.00	
10:40	5.31			7½	12.23	96	6.44	203.9	2.14	0.92	
10:45	Sample										

Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/17
Sampled By: SLD
Provan & Lorber, Inc.

Monitoring Point: FPC-8a
Depth to Water: 1.37'
Total Depth: 33.66'
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
9:35	Pump on										
9:40	1.37'		156		13.10	201	6.59	70.1	5.02	22.9	
9:45	1.85		160		11.50	210	6.62	70.5	4.13	24.3	
9:50	3.90		172		11.20	209	6.61	65.7	3.24	40.6	
~~9:55~~ 9:55	4.43		156		11.05	210	6.61	9.5	2.64	45.1	
1000	4.39		240		11.77	220	6.67	-18.7	1.89	126	
1005	4.27		260		11.70	206	6.64	-15.6	1.63	158	
1010	4.27		~~248~~		11.61	200	6.58	-10.	1.52	156	228
1015	4.28				11.55	196	6.54	-6.4	1.42	130	
1020	4.32				11.39	191	6.49	-.6	1.28	103.8	
1025											
1030	4.47		272		11.26	188	6.48	8.3	.96	68.3	
1035	4.37				11.55	185	6.44	9.5	.94	62.5	
1040	4.46		205		11.59	188	6.44	14.6	.98	49.1	
1045	4.41		240		11.26	179	6.38	17.4	.96	38.7	
1050	4.40		230		11.28	179	6.36	19.2	.94	38.9	
	Δ <0.3'				3%	3%	±0.1	±10mV	10%	10% if >5	Stabilization Definitions
1055	4.42				11.30	177	6.35	21.7	if >0.5 .95	or 3@ <5 36.3	

SAMPLE @ 1100 TOTAL VOLUME PURGED 10gal.

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Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/17/11
Sampled By: SLD
Provan & Lorber, Inc.

Monitoring Point: FPC 86
Depth to Water: 1.19
Total Depth: 47.75
Pump Intake Depth:
Purging Device: Peristaltic Pump

PUMP ON @ 11:27

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
11 35	5.85		220		11.81	212	7.78	-158.6	.88	11.59	
11 40	7.15		216		11.65	212	7.78	-163.3	.57	4.62	
11 45	8.88		264		11.71	212	7.78	-165.9	.42	5.91	
11 50	10.57				12.16	212	7.80	-167.9	.43	5.69	
11 55	11.43		276		12.17	212	7.80	-168.5	.43	4.47	
12 00	12.40		276		12.21	212	7.80	-169.1	.48	6.51	
12 05	14.57		220		11.23	212	7.79	-168.5	.41	3.81	
12 10	17.23		220		11.06	212	7.78	-169.0	.36	2.33	
12 15											
12 20	18.94				11.07	212	7.78	-168.5	.35	2.23	
12 25											
12 30	21.87		266		11.26	212	7.79	-168.5	.39	1.91	
12 35	22.23		246		10.90	211	7.78	-168.9	.34	2.52	
12 40	23.35				10.83	211	7.77	-167.5	.38	2.35	
12 45	24.45		292		10.96	211	7.77	-166.4	.42	2.27	
12 50	25.42		284		11.05	211	7.77	-166.1	.43	2.19	
	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

PAGE 2

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/17/11
Sampled By: SLD
Provan & Lorber, Inc.

Monitoring Point: FPC-8b
Depth to Water: 1.19
Total Depth: 47.75
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
12:55	26.35		312		11.02	211	7.7	-164.5	.42	2.99	
1300	27.28		304		11.07	211	7.77	-163.6	.42	2.72	
1305	28.33		204		10.88	210	7.76	-162.4	.36	2.70	
1310	29.43		288		11.01	210	7.73	-160.8	.37	2.47	
1315	29.98		288		11.11	210	7.74	-160.8	.36	2.45	
			Total =	7.5gal							
			Purged								
			Sample Taken @ 13:20								

Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/15/11
Sampled By: SAM D.
Provan & Lorber, Inc.

Monitoring Point: FPC 9-A
Depth to Water: 20.99
Total Depth: 68.15
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW 20.9	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
~~1045~~	pump started		280								
12:30	21.2		~~240~~		11.27	1086	7.15	-121.1	.98	19.2	
~~1235~~	21.1		240		11.28	1084	7.10	-127.1	.57	15.0	
1240	21.1				11.23	1049	7.11	-128.8	.59	19.2	
1246	21.1		240		11.26	1007	7.13	-130.6	.59	11.0	
02 50	21.1				11.18	988	7.14	-131.2	.44	8.43	
2 55	21.1				11.09	946	7.15	-132.5	.32	~~10.17~~	9.21 Turb
13:01	21.1		240		11.01	914	7.16	-133.5	.28	~~7.92~~ → 8.30	
1305	21.1		240		11.15	898	7.17	-134.1	.28	8.51	
1315 sampled			~~240~~	3 gal							

12:22 ~~12:15~~ H2O @ 12:24

	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 08-15-11
Sampled By: SAMUEL DUGUAY
Provan & Lorber, Inc.

Monitoring Point: FPC-11A
Depth to Water: ~~14.45~~
Total Depth: 51.33
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
14:55	29.67		352		13.52	53	6.30	58.4	5.49	28.2	
15:00	29.75		352		13.66	107	6.32	51.7	~~4.07~~	11.16	
15:05	26.90		352		1353	155	6.35	46.4	1.78	39.5	
15:10	26.75		140		13.02	219	6.38	38.9	1.80	19.0	
15:15	26.75		160		12.57	354	6.45	29.1	1.49	17.9	
15:20	26.75		160		12.57	455	6.53	16.6	1.10	11.65	
15:25	26.85				12.55	586	6.61	2.8	.90	10.49	
15:30	26.85		160		12.54	682	6.66	-6.3	.74	6.03	
15:35	26.81				12.52	736	6.71	-13.3	.73	5.83	
15:40	26.81		160		12.50	797	6.75	-19.7	.59	6.41	
15:45	26.75				12.39	866	6.81	-27.4	.32	4.18	
15:50	26.65		210		12.27	9022	6.84	-31.1	.31	3.24	
15:55	26.44		210		12.55	933	6.89	-36.8	.27	4.46	
16:00	26.55				12.54	945	6.91	-39.5	.27	4.32	
			TOTAL VOL. PURGED = 5 GAL.								SAMPLE TAKEN @ 16:05
	Δ <0.3'				3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/15/11
Sampled By: SAMUEL DUGUAY
Provan & Lorber, Inc.

Monitoring Point: FPC-11B
Depth to Water: 18.32
Total Depth: 70.64
Pump Intake Depth:
Purging Device: PERISTALTIC PUMP

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
16:15											PUMP ON @ 16:15
16:25	18.30		128		16.24	945	6.76	-41.3	2.52	25.2	
16:35	20.80		165		15.0	410	6.75	-4.0	6.41	18.8	
16:40	21.02		190		14.95	254	6.64	18.2	7.6	12.2	
16:45	21.17		165		15.15	145	6.57	41.1	7.59	23.3	
16:50	21.07				15.07	100	6.57	52.1	8.42	22.5	
16:55	19.98				15.04	60	6.59	70.1	8.83	35.7	
17:25	19.95		164		16.83	35	6.57	103.8	9.07	36.9	
17:30	21.47		184		16.89	25	6.46	118.1	8.71	16.1	
17:35	21.41		168		16.56	23	6.39	125.7	9.29	14.1	
17:40	21.32				16.25	26	6.38	131.0	9.45	14.5	
17:45	21.25		172		15.95	29	6.40	130.5	9.46	15.9	
17:55	21.31		180		15.39	29	6.45	132.1	9.54	14.8	← 14.8
											SAMPLES TAKEN @ 18:05
			Total								
			Vol. Purged = 9.75 gal								
Δ <0.3'					3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8-17-11
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: GZ-105
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
14:21	2.89										
14:30	2.94		104	~~104~~	10.71	1032	7.23	-160	0.27	1.39	
14:35	2.93				1063	1217	7.09	-154.4	0.26	1.01	
14:40	2.96		84	3	10.25	1238	7.07	-153.0	0.27	1.07	
14:45	2.96				10.31	1291	7.06	-152.4	0.20	1.17	
14:50	2.96		84		10.19	1290	7.04	-151.6	0.22	0.79	
14:55	2.96			5 1/2	10.10	1287	7.03	-151.9	0.12	0.78	
15:00	2.96		88		10.10	1277	7.04	-152.5	0.18	0.93	
15:05	2.96				10.08	1293	7.05	-153.4	0.12	0.82	
15:10	Sample										

Δ <0.3'	3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 8/17
Sampled By: SLD
Provan & Lorber, Inc.

Monitoring Point: GZ 123
Depth to Water: 9.71
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
Pump on @ 1507											
1515	10.53		188		12.69	216	5.27	63.3	1.18	25.4	
1520	10.46		180		~~12.71~~	213	5.29	65.8	1.55	16.5	* 12.76
1525	10.44		216		12.65	211	5.33	64.0	2.24	10.29	
1530	10.40		184		12.64	209	5.35	63.0	2.54	7.01	
1535	10.41		228		12.65	209	5.38	62.6	2.89	5.80	
1540	10.41		244		12.76	208	5.39	62.4	3.03	5.13	
1545	10.40		240		12.64	209	5.41	62.2	3.13	4.21	
1550	10.40				12.71	209	5.42	62.0	~~3.31~~ 3.29	3.31	
1555 ~~1600~~	10.40		240		12.64	210	5.44	61.3	~~3.31~~ 3.43	4.82	
1600											
		Samples taken @ 1600									
	Total Purged ⟹			≈ 5 gal							
Δ <0.3'					3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P1081
Monitoring Date: 2011
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: SW + DW
Depth to Water:
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

	Time 24 Hr.	DTW	Pump Dial	Purge Rate	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
8-18	SW-3	103				18.62	199	7.97	80.4	0.76	2.68	
	18:15	Sample										
8-18	R-3	19:20	Sample			12.62	238	8.08	-164.5	4.65	1.04	
	R-5	spoke to property owner - House vacant, water system off/winterized										
8-19	SW-4	9:20				20.36	292	6.41	97.6	1.03	3.87	
8-19	L-1	10:15				14.79	821	5.13	-73.1	3.43	2.19	
	SW-5	10:45				18.48	178	6.51	-50.0	2.25	3.48	
	Δ <0.3'					3%	3%	±0.1	±10mV	10% if >0.5	10% if >5 or 3@ <5	Stabilization Definitions

TABLE 1
INSTRUMENT CALIBRATION LOG

Project Name Coakley L.F. Date 8-19-11
Weather rain

Calibrated by KMH Instrument YSI 650 MDS
Serial Number 01D1093AB
00D0472AC

Parameters	Morning Calibration AB AC	Morning Temperature	End of Day Calibration Check* AB	End of Day Temperature AC
Specific Conductance Standard #1	1413 1413		1372	1442
Specific Conductance Standard #2				
pH (7)	7.00 7.00		7.00	7.16
pH (4)	4.00 4.00		4.00	4.17
pH (10)	10.00 10.00		10.00	10.09
ORP Zobel solution	240 240		240.2	231.4
Dissolved Oxygen 100% water saturated air mg/L	100 100		100.4	97.7
Dissolved Oxygen Zero Dissolved Oxygen Solution mg/L	58.9 EB% 4.44 0.13		68.0	2.7% 0.19
Barometric Pressure mm Hg		NA		NA
Turbidity Standard #1				
Turbidity Standard #2				
Turbidity Standard #3				

* For each Parameter, chose one standard as your check standard. If possible, choose the one that is closest to the ambient measurement value.

K 01D1093AB
S 00D0472AC

TABLE 1
INSTRUMENT CALIBRATION LOG

Project Name Cockley L.F. Date 8-16-11
Weather overcast

Calibrated by KMM Instrument YSI 650
Serial Number

Parameters	Morning Calibration AB	Morning Temperature AC	End of Day Calibration Check*	End of Day Temperature AC
Specific Conductance Standard #1	1413	1413		1475
Specific Conductance Standard #2				
pH (7)	7.00	7.00		7.00
pH (4)	4.00	4.00		3.98
pH (10)	10.00	10.00		9.96
ORP Zobel solution	240	240		238.0
Dissolved Oxygen 100% water saturated air mg/L	100	100		86.5
Dissolved Oxygen Zero Dissolved Oxygen Solution mg/L	37.3 2.96	3.3% 0.26 mg/L		5.8% .43mg/L
Barometric Pressure mm Hg		NA		NA
Turbidity Standard #1				
Turbidity Standard #2				
Turbidity Standard #3				

* For each Parameter, chose one standard as your check standard. If possible, choose the one that is closest to the ambient measurement value.

TABLE 1
INSTRUMENT CALIBRATION LOG

Project Name Cooley L.F. Date 8-17-11
Weather

Calibrated by KMN Instrument YSI 630
Serial Number

Parameters	Morning Calibration AB	Morning Temperature AC	End of Day Calibration Check*	End of Day Temperature
Specific Conductance Standard #1	1413	1413	1870	1528
Specific Conductance Standard #2				
pH (7)	7.00	7.00	7.00	6.97
pH (4)	4.00	4.00	4.02	3.96
pH (10)	10.00	10.00	9.95	9.97
ORP Zobel solution	240	240		238.1
Dissolved Oxygen 100% water saturated air mg/L	100	100	91.2	107.1%
Dissolved Oxygen Zero Dissolved Oxygen Solution mg/L	31.7 2.38	2.8% 0.22	17.0% 1.25	1.9% .14 mg/L
Barometric Pressure mm Hg		NA		NA
Turbidity Standard #1				
Turbidity Standard #2				
Turbidity Standard #3				

* For each Parameter, chose one standard as your check standard. If possible, choose the one that is closest to the ambient measurement value.

TABLE 1
INSTRUMENT CALIBRATION LOG

Project Name Cooks Lane L.F. Date 8-18-11
Weather

Calibrated by KMM Instrument YSI 600
Serial Number

Parameters	Morning Calibration AB	Morning Temperature AC	End of Day Calibration Check* AB	End of Day Temperature AC
Specific Conductance Standard #1	1413	1413 ~~1343~~	1240	
Specific Conductance Standard #2				
pH (7)	7.00	7	7.13	6.98
pH (4)	4.00	4	4.13	3.99
pH (10)	10.00	10	10.05	9.90
ORP Zobel solution	240	240	221.8	228.2
Dissolved Oxygen 100% water saturated air mg/L	100%	% 100	93.1	
Dissolved Oxygen Zero Dissolved Oxygen Solution mg/L	9.8 0.46	1.9% .14 mg/L	6.5% 0.46	
Barometric Pressure mm Hg		NA		NA
Turbidity Standard #1				
Turbidity Standard #2				
Turbidity Standard #3				

* For each Parameter, chose one standard as your check standard. If possible, choose the one that is closest to the ambient measurement value.

TABLE 1
INSTRUMENT CALIBRATION LOG

Project Name Coakley Landfill Date 8/19/11
Weather

Calibrated by KMM/SLD Instrument YSI 650
Serial Number

Parameters	Morning Calibration AB	Morning Temperature AC	End of Day Calibration Check* AB	End of Day Temperature AC
Specific Conductance Standard #1	1413	1413	1422	1312
Specific Conductance Standard #2				
pH (7)	7	7	7.04	7.05
pH (4)	4	4	4.03	4.02
pH (10)	10	10	10.09	10.09
ORP Zobel solution	240	240	239.7	248.6
Dissolved Oxygen 100% water saturated air mg/L	100%	100%	99.6	89.9
Dissolved Oxygen Zero Dissolved Oxygen Solution mg/L	7.6% 0.53 mg/L	4.2% 0.28	10.4% 0.81	10.3 3.91
Barometric Pressure mm Hg		NA		NA
Turbidity Standard #1				
Turbidity Standard #2				
Turbidity Standard #3				

* For each Parameter, chose one standard as your check standard. If possible, choose the one that is closest to the ambient measurement value.

SECTION 3

Kevin McKibben
Provan & Lorber (Co)
PO Box 389
Contoocook , NH 03229

ACCREDITED IN ACCORDANCE WITH nelac

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 102343
Client Identification: Coakley Landfill | P1081
Date Received: 8/16/2011

Dear Mr. McKibben :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:
Solid samples are reported on a dry weight basis, unless otherwise noted
< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 9.7.11 Date | 81 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: 102343

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Temperature upon receipt (°C): 5

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
102343.01	GW-BP-4-0811	8/16/11	8/15/11	aqueous		Adheres to Sample Acceptance Policy
102343.02	GW-MW-6-0811	8/16/11	8/15/11	aqueous		Adheres to Sample Acceptance Policy
102343.03	GW-AE-1A-0811	8/16/11	8/15/11	aqueous		Adheres to Sample Acceptance Policy
102343.04	GW-FPC-9A-0811	8/16/11	8/15/11	aqueous		Adheres to Sample Acceptance Policy
102343.05	GW-FPC-11A-0811	8/16/11	8/15/11	aqueous		Adheres to Sample Acceptance Policy
102343.06	GW-FPC-11B-0811	8/16/11	8/15/11	aqueous		Adheres to Sample Acceptance Policy
102343.07	GW-GZ-125-0811	8/16/11	8/15/11	aqueous		Adheres to Sample Acceptance Policy
102343.08	Equipment	8/16/11	8/15/11	aqueous		Adheres to Sample Acceptance Policy
102343.09	GW-AE-1B-0811	8/16/11	8/16/11	aqueous		Adheres to Sample Acceptance Policy
102343.1	GW-FPC-2A-0811	8/16/11	8/16/11	aqueous		Adheres to Sample Acceptance Policy
102343.11	GW-FPC-2B-0811	8/16/11	8/16/11	aqueous		Adheres to Sample Acceptance Policy
102343.12	Trip Blank - 8260B	8/16/11	7/11/11	aqueous		Adheres to Sample Acceptance Policy
102343.13	Trip Blank - 1,4 Diox.	8/16/11	8/2/11	aqueous		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater : Inorganics, 19th Edition, 1995; Microbiology, 20th Edition, 1998
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-MW-6-0811	GW-GZ-125-0811	Equipment	GW-FPC-2A-0811	GW-FPC-2B-0811	Trip Blank - 8260B
Lab Sample ID:	102343.02	102343.07	102343.08	102343.1	102343.11	102343.12
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/15/11	8/15/11	8/15/11	8/16/11	8/16/11	7/11/11
Date Received:	8/16/11	8/16/11	8/16/11	8/16/11	8/16/11	8/16/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/17/11	8/17/11	8/17/11	8/17/11	8/17/11	8/17/11
Analyst:	KJP	KJP	KJP	KJP	KJP	KJP
Method:	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1
Dichlorodifluoromethane	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl chloride	< 2	< 2	< 2	< 2	< 2	< 2
Bromomethane	< 2	< 2	< 2	< 2	< 2	< 2
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorofluoromethane	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl Ether	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	< 10	< 10	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30	< 30	< 30	< 30
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5
Carbon disulfide	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-t-butyl ether(MTBE)	< 5	< 5	< 5	< 5	< 5	< 5
Ethyl-t-butyl ether(ETBE)	< 5	< 5	< 5	< 5	< 5	< 5
Isopropyl ether(DIPE)	< 5	< 5	< 5	< 5	< 5	< 5
tert-amyl methyl ether(TAME)	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2
2,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone(MEK)	< 10	< 10	< 10	< 10	< 10	< 10
Bromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2
Tetrahydrofuran(THF)	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2
Benzene	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2
Dibromomethane	< 2	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10
Tetrachloroethene	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dibromoethane(EDB)	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-MW-6-0811	GW-GZ-125-0811	Equipment	GW-FPC-2A-0811	GW-FPC-2B-0811	Trip Blank - 8260B
Lab Sample ID:	102343.02	102343.07	102343.08	102343.1	102343.11	102343.12
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/15/11	8/15/11	8/15/11	8/16/11	8/16/11	7/11/11
Date Received:	8/16/11	8/16/11	8/16/11	8/16/11	8/16/11	8/16/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/17/11	8/17/11	8/17/11	8/17/11	8/17/11	8/17/11
Analyst:	KJP	KJP	KJP	KJP	KJP	KJP
Method:	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2
1,2,3-Trichloropropane	< 2	< 2	< 2	< 2	< 2	< 2
n-Propylbenzene	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorotoluene	< 2	< 2	< 2	< 2	< 2	< 2
4-Chlorotoluene	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 5	< 5	< 5	< 5	< 5	< 5
1,2,3-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1
4-Bromofluorobenzene (surr)	**98 %R**	**99 %R**	**99 %R**	**99 %R**	**98 %R**	**98 %R**
1,2-Dichlorobenzene-d4 (surr)	**104 %R**	**105 %R**	**104 %R**	**106 %R**	**104 %R**	**105 %R**
Toluene-d8 (surr)	**103 %R**	**102 %R**	**103 %R**	**102 %R**	**102 %R**	**102 %R**

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 5	21 (103 %R)	21 (105 %R) (2 RPD)	8/17/2011	ug/l	40 - 160	20	8260B
Chloromethane	< 2	22 (108 %R)	22 (108 %R) (0 RPD)	8/17/2011	ug/l	40 - 160	20	8260B
Vinyl chloride	< 2	* 27 (133 %R)	* 26 (132 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Bromomethane	< 2	20 (98 %R)	20 (102 %R) (4 RPD)	8/17/2011	ug/l	40 - 160	20	8260B
Chloroethane	< 5	22 (112 %R)	23 (115 %R) (3 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	< 5	22 (111 %R)	23 (115 %R) (4 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Diethyl Ether	< 5	19 (96 %R)	20 (101 %R) (5 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Acetone	< 10	10 (73 %R)	20 (79 %R) (8 RPD)	8/17/2011	ug/l	40 - 160	20	8260B
1,1-Dichloroethene	< 1	19 (97 %R)	20 (98 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	< 30	70 (72 %R)	90 (88 %R) (20 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Methylene chloride	< 5	19 (96 %R)	19 (97 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Carbon disulfide	< 5	16 (79 %R)	16 (80 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	< 5	19 (94 %R)	20 (99 %R) (5 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	< 5	17 (83 %R)	19 (93 %R) (11 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	< 5	20 (102 %R)	21 (103 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	< 5	18 (90 %R)	20 (98 %R) (9 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	< 2	20 (99 %R)	20 (100 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	< 2	20 (101 %R)	20 (102 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	< 2	* 11 (55 %R)	* 14 (68 %R) (21 RPD) !	8/17/2011	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	< 2	21 (106 %R)	22 (108 %R) (2 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	< 10	20 (87 %R)	20 (92 %R) (6 RPD)	8/17/2011	ug/l	40 - 160	20	8260B
Bromochloromethane	< 2	20 (99 %R)	20 (101 %R) (2 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	< 10	20 (97 %R)	20 (104 %R) (7 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Chloroform	< 2	20 (102 %R)	21 (104 %R) (2 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	< 2	17 (83 %R)	19 (93 %R) (11 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Carbon tetrachloride	< 2	* 13 (64 %R)	15 (74 %R) (14 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	< 2	20 (100 %R)	20 (101 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Benzene	< 1	21 (103 %R)	21 (103 %R) (0 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	< 2	21 (105 %R)	21 (106 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Trichloroethene	< 2	20 (102 %R)	21 (103 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	< 2	20 (102 %R)	21 (103 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Dibromomethane	< 2	20 (102 %R)	21 (104 %R) (2 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Bromodichloromethane	< 0.5	19 (93 %R)	20 (99 %R) (6 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,4-Dioxane	< 50	< 50 (97 %R)	< 50 (112 %R) (14 RPD)	8/17/2011	ug/l	40 - 160	20	8260B
4-Methyl-2-pentanone(MIBK)	< 10	20 (95 %R)	20 (104 %R) (9 RPD)	8/17/2011	ug/l	40 - 160	20	8260B
cis-1,3-Dichloropropene	< 2	18 (92 %R)	20 (99 %R) (7 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Toluene	< 1	21 (104 %R)	21 (104 %R) (0 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	< 2	17 (83 %R)	19 (93 %R) (11 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	< 2	21 (106 %R)	22 (108 %R) (2 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
2-Hexanone	< 10	20 (96 %R)	20 (104 %R) (8 RPD)	8/17/2011	ug/l	40 - 160	20	8260B
Tetrachloroethene	< 2	22 (109 %R)	22 (110 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	< 2	21 (103 %R)	21 (106 %R) (3 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Dibromochloromethane	< 2	16 (78 %R)	17 (86 %R) (10 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	< 2	20 (98 %R)	20 (102 %R) (4 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Chlorobenzene	< 2	21 (104 %R)	21 (105 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,1,1,2-Tetrachloroethane	< 2	18 (89 %R)	19 (97 %R) (9 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Ethylbenzene	< 1	22 (109 %R)	22 (110 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
mp-Xylene	< 1	43 (108 %R)	44 (109 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
o-Xylene	< 1	21 (107 %R)	21 (107 %R) (0 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Styrene	< 1	21 (105 %R)	21 (106 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Bromoform	< 2	15 (74 %R)	17 (83 %R) (11 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
IsoPropylbenzene	< 1	23 (115 %R)	24 (118 %R) (3 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Bromobenzene	< 2	20 (102 %R)	21 (103 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	< 2	20 (98 %R)	21 (103 %R) (5 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	< 2	20 (101 %R)	21 (106 %R) (5 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
n-Propylbenzene	< 1	22 (110 %R)	22 (112 %R) (2 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
2-Chlorotoluene	< 2	21 (105 %R)	21 (107 %R) (2 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
4-Chlorotoluene	< 2	21 (106 %R)	22 (108 %R) (2 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	< 1	22 (109 %R)	22 (110 %R) (1 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
tert-Butylbenzene	< 1	22 (108 %R)	22 (110 %R) (2 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	< 1	22 (110 %R)	23 (113 %R) (3 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
sec-Butylbenzene	< 1	22 (110 %R)	23 (113 %R) (3 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	< 1	21 (105 %R)	22 (108 %R) (3 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	< 1	22 (110 %R)	23 (113 %R) (3 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	< 1	21 (107 %R)	22 (109 %R) (2 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	< 1	21 (105 %R)	22 (108 %R) (3 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
n-Butylbenzene	< 1	22 (110 %R)	23 (113 %R) (3 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	< 2	16 (80 %R)	18 (90 %R) (12 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	< 1	20 (102 %R)	21 (105 %R) (3 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	< 1	21 (105 %R)	22 (109 %R) (4 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	< 0.5	19 (94 %R)	20 (99 %R) (5 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
Naphthalene	< 5	21 (105 %R)	22 (111 %R) (6 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	< 1	20 (100 %R)	21 (105 %R) (5 RPD)	8/17/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	98 %R	100 %R	101 %R	8/17/2011	% Rec	70 - 130	20	8260B
1,2-Dichlorobenzene-d4 (surr)	104 %R	102 %R	104 %R	8/17/2011	% Rec	70 - 130	20	8260B
Toluene-d8 (surr)	102 %R	103 %R	102 %R	8/17/2011	% Rec	70 - 130	20	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

The calibration verification sample associated with the samples deviated from % deviation criteria of 20% for acetone, 2,2-dichloropropane, carbon tetrachloride, dibromochloromethane and bromoform.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-BP-4-0811	GW-MW-6-0811	GW-AE-1A-0811	Equipment	GW-AE-1B-0811	Trip Blank - 1,4 Diox.
Lab Sample ID:	102343.01	102343.02	102343.03	102343.08	102343.09	102343.13
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/15/11	8/15/11	8/15/11	8/15/11	8/16/11	8/2/11
Date Received:	8/16/11	8/16/11	8/16/11	8/16/11	8/16/11	8/16/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/24/11	8/24/11	8/24/11	8/24/11	8/24/11	8/24/11
Analyst:	VG	VG	VG	VG	VG	VG
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1	1	1	1
1,4-Dioxane	**10**	< 1	< 1	< 1	< 1	< 1
4-Bromofluorobenzene (surr)	**97 %R**	**90 %R**	**93 %R**	**84 %R**	**89 %R**	**87 %R**
Toluene-d8 (surr)	**86 %R**	**103 %R**	**97 %R**	**88 %R**	**87 %R**	**89 %R**

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	4 (83 %R)	4 (87 %R) (5 RPD)	8/24/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	92 %R	87 %R	86 %R	8/24/2011	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	101 %R	99 %R	85 %R	8/24/2011	% Rec	70 - 130	50	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID: GW-BP-4-0811

Lab Sample ID: 102343.01
Matrix: aqueous
Date Sampled: 8/15/11
Date Received: 8/16/11

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Aluminum	< 0.05	AqTot	mg/L	8/24/11	200.8	DS
Antimony	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Arsenic	**0.033**	AqTot	mg/L	8/24/11	200.8	DS
Barium	**0.048**	AqTot	mg/L	8/24/11	200.8	DS
Beryllium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Calcium	**44**	AqTot	mg/L	8/24/11	200.8	DS
Cadmium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Chromium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Copper	**0.013**	AqTot	mg/L	8/24/11	200.8	DS
Cobalt	**0.002**	AqTot	mg/L	8/24/11	200.8	DS
Iron	**29**	AqTot	mg/L	8/24/11	200.8	DS
Lead	**0.010**	AqTot	mg/L	8/24/11	200.8	DS
Magnesium	**18**	AqTot	mg/L	8/24/11	200.8	DS
Manganese	**1.1**	AqTot	mg/L	8/24/11	200.8	DS
Mercury	< 0.0001	AqTot	mg/L	8/24/11	200.8	DS
Nickel	**0.009**	AqTot	mg/L	8/24/11	200.8	DS
Potassium	**16**	AqTot	mg/L	8/24/11	200.8	DS
Selenium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Silver	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Sodium	**59**	AqTot	mg/L	8/24/11	200.8	DS
Thallium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Vanadium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Zinc	**0.044**	AqTot	mg/L	8/24/11	200.8	DS

Client: **Provan & Lorber (Co)**

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Sample ID:	GW-MW-6-0811	GW-AE-1A-0811	GW-FPC-9A-0811	GW-FPC-11A-0811					
Lab Sample ID:	102343.02	102343.03	102343.04	102343.05					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/15/11	8/15/11	8/15/11	8/15/11	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/16/11	8/16/11	8/16/11	8/16/11					
Aluminum	< 0.05	< 0.05	**0.16**	**0.17**	AqTot	mg/L	8/24/11	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Arsenic	< 0.001	**0.022**	**0.042**	**0.008**	AqTot	mg/L	8/24/11	200.8	DS
Barium	**0.005**	**0.019**	**0.098**	**0.034**	AqTot	mg/L	8/24/11	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Calcium	**15**	**29**	**49**	**49**	AqTot	mg/L	8/24/11	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Copper	**0.009**	< 0.001	< 0.001	**0.001**	AqTot	mg/L	8/24/11	200.8	DS
Cobalt	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Iron	**17**	**0.27**	**7.1**	**1.0**	AqTot	mg/L	8/24/11	200.8	DS
Iron	**2.5**	**0.14**	**6.3**	**0.63**	AqDis	mg/L	8/24/11	200.8	DS
Lead	**0.001**	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Magnesium	**5.7**	**10**	**24**	**17**	AqTot	mg/L	8/24/11	200.8	DS
Manganese	**1.8**	**0.39**	**0.26**	**0.35**	AqTot	mg/L	8/24/11	200.8	DS
Manganese	**1.8**	**0.38**	**0.26**	**0.35**	AqDis	mg/L	8/24/11	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/24/11	200.8	DS
Nickel	**0.002**	< 0.001	**0.003**	**0.001**	AqTot	mg/L	8/24/11	200.8	DS
Potassium	**1.7**	**3.5**	**8.9**	**5.2**	AqTot	mg/L	8/24/11	200.8	DS
Selenium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Sodium	**12**	**20**	**73**	**95**	AqTot	mg/L	8/24/11	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Vanadium	< 0.001	< 0.001	< 0.001	**0.002**	AqTot	mg/L	8/24/11	200.8	DS
Zinc	**0.021**	< 0.005	**0.011**	**0.013**	AqTot	mg/L	8/24/11	200.8	DS

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID: GW-FPC-11B-0811

Lab Sample ID: 102343.06
Matrix: aqueous
Date Sampled: 8/15/11
Date Received: 8/16/11

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Aluminum	**6.1**	AqTot	mg/L	8/25/11	200.8	DS
Antimony	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Arsenic	**0.004**	AqTot	mg/L	8/24/11	200.8	DS
Barium	**0.032**	AqTot	mg/L	8/24/11	200.8	DS
Beryllium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Calcium	**4.8**	AqTot	mg/L	8/25/11	200.8	DS
Cadmium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Chromium	**0.016**	AqTot	mg/L	8/25/11	200.8	DS
Copper	**0.014**	AqTot	mg/L	8/25/11	200.8	DS
Cobalt	**0.023**	AqTot	mg/L	8/25/11	200.8	DS
Iron	< 0.05	AqDis	mg/L	8/24/11	200.8	DS
Iron	**11**	AqTot	mg/L	8/25/11	200.8	DS
Lead	**0.006**	AqTot	mg/L	8/24/11	200.8	DS
Magnesium	**5.7**	AqTot	mg/L	8/25/11	200.8	DS
Manganese	**0.062**	AqDis	mg/L	8/24/11	200.8	DS
Manganese	**0.21**	AqTot	mg/L	8/25/11	200.8	DS
Mercury	< 0.0001	AqTot	mg/L	8/24/11	200.8	DS
Nickel	**0.030**	AqTot	mg/L	8/25/11	200.8	DS
Potassium	**2.0**	AqTot	mg/L	8/25/11	200.8	DS
Selenium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Silver	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Sodium	**9**	AqTot	mg/L	8/25/11	200.8	DS
Thallium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Vanadium	**0.012**	AqTot	mg/L	8/25/11	200.8	DS
Zinc	**0.035**	AqTot	mg/L	8/25/11	200.8	DS

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-GZ-125-0811	GW-AE-1B-0811	GW-FPC-2A-0811	GW-FPC-2B-0811					
Lab Sample ID:	102343.07	102343.09	102343.1	102343.11					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/15/11	8/16/11	8/16/11	8/16/11	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/16/11	8/16/11	8/16/11	8/16/11					
Aluminum	< 0.05	**0.47**	< 0.05	**0.10**	AqTot	mg/L	8/24/11	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Arsenic	< 0.001	**0.006**	**0.002**	**0.003**	AqTot	mg/L	8/24/11	200.8	DS
Barium	**0.006**	**0.060**	**0.013**	**0.011**	AqTot	mg/L	8/24/11	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Calcium	**13**	**25**	**16**	**6.1**	AqTot	mg/L	8/24/11	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Copper	**0.003**	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Cobalt	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Iron	**14**	**2.6**	**3.5**	**0.05**	AqTot	mg/L	8/24/11	200.8	DS
Iron	< 0.05	**1.7**	**2.8**	< 0.05	AqDis	mg/L	8/24/11	200.8	DS
Lead	**0.004**	**0.001**	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Magnesium	**8.1**	**12**	**9.2**	**0.84**	AqTot	mg/L	8/24/11	200.8	DS
Manganese	**0.23**	**0.56**	**0.55**	**0.019**	AqTot	mg/L	8/24/11	200.8	DS
Manganese	**0.21**	**0.50**	**0.54**	**0.017**	AqDis	mg/L	8/24/11	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	**0.0001**	AqTot	mg/L	8/24/11	200.8	DS
Nickel	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Potassium	**2.5**	**6.1**	**4.1**	**4.1**	AqTot	mg/L	8/24/11	200.8	DS
Selenium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Sodium	**18**	**24**	**12**	**35**	AqTot	mg/L	8/24/11	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Vanadium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Zinc	**0.026**	**0.006**	< 0.005	< 0.005	AqTot	mg/L	8/24/11	200.8	DS

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID: Equipment

Lab Sample ID: 102343.08
Matrix: aqueous
Date Sampled: 8/15/11
Date Received: 8/16/11

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Aluminum	< 0.05	AqTot	mg/L	8/24/11	200.8	DS
Antimony	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Arsenic	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Barium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Beryllium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Calcium	**0.06**	AqTot	mg/L	8/24/11	200.8	DS
Cadmium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Chromium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Copper	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Cobalt	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Iron	< 0.05	AqTot	mg/L	8/24/11	200.8	DS
Iron	< 0.05	AqDis	mg/L	8/24/11	200.8	DS
Lead	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Magnesium	< 0.05	AqTot	mg/L	8/24/11	200.8	DS
Manganese	< 0.005	AqTot	mg/L	8/24/11	200.8	DS
Manganese	< 0.005	AqDis	mg/L	8/24/11	200.8	DS
Mercury	< 0.0001	AqTot	mg/L	8/24/11	200.8	DS
Nickel	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Potassium	< 0.05	AqTot	mg/L	8/24/11	200.8	DS
Selenium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Silver	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Sodium	< 5	AqTot	mg/L	8/24/11	200.8	DS
Thallium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Vanadium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Zinc	< 0.005	AqTot	mg/L	8/24/11	200.8	DS

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	< 0.05	11 (104 %R)		mg/L	8/24/11	85 - 115	20	200.8
Antimony	< 0.001	1.2 (118 %R)		mg/L	8/24/11	85 - 115	20	200.8
Arsenic	< 0.001	1.1 (107 %R)		mg/L	8/24/11	85 - 115	20	200.8
Barium	< 0.001	1.0 (104 %R)		mg/L	8/24/11	85 - 115	20	200.8
Beryllium	< 0.001	1.1 (108 %R)		mg/L	8/24/11	85 - 115	20	200.8
Calcium	< 0.05	11 (100 %R)		mg/L	8/24/11	85 - 115	20	200.8
Cadmium	< 0.001	1.0 (104 %R)		mg/L	8/24/11	85 - 115	20	200.8
Chromium	< 0.001	1.0 (100 %R)		mg/L	8/24/11	85 - 115	20	200.8
Copper	< 0.001	0.94 (94 %R)		mg/L	8/24/11	85 - 115	20	200.8
Cobalt	< 0.001	0.99 (99 %R)		mg/L	8/24/11	85 - 115	20	200.8
Iron	< 0.05	11 (104 %R)		mg/L	8/24/11	85 - 115	20	200.8
Lead	< 0.001	1.0 (101 %R)		mg/L	8/24/11	85 - 115	20	200.8
Magnesium	< 0.05	11 (104 %R)		mg/L	8/24/11	85 - 115	20	200.8
Manganese	< 0.005	1.0 (102 %R)		mg/L	8/24/11	85 - 115	20	200.8
Mercury	< 0.0001	0.0010 (105 %R)		mg/L	8/24/11	85 - 115	20	200.8
Nickel	< 0.001	0.91 (91 %R)		mg/L	8/24/11	85 - 115	20	200.8
Potassium	< 0.05	11 (104 %R)		mg/L	8/24/11	85 - 115	20	200.8
Selenium	< 0.001	0.99 (99 %R)		mg/L	8/24/11	85 - 115	20	200.8
Silver	< 0.001	0.10 (103 %R)		mg/L	8/24/11	85 - 115	20	200.8
Sodium	< 5	11 (104 %R)		mg/L	8/24/11	85 - 115	20	200.8
Thallium	< 0.001	1.0 (104 %R)		mg/L	8/24/11	85 - 115	20	200.8
Vanadium	< 0.001	1.0 (103 %R)		mg/L	8/24/11	85 - 115	20	200.8
Zinc	< 0.005	0.99 (99 %R)		mg/L	8/24/11	85 - 115	20	200.8

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	102343.1	< 0.05	9.4 (86 %R)	9.4 (85 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Antimony	102343.1	< 0.001	1.2 (118 %R)	1.2 (117 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Arsenic	102343.1	0.002	1.0 (99 %R)	1.0 (101 %R) (2 RPD)	mg/L	8/24/11	70-130	20	200.8
Barium	102343.1	0.013	1.0 (104 %R)	1.0 (102 %R) (2 RPD)	mg/L	8/24/11	70-130	20	200.8
Beryllium	102343.1	< 0.001	0.80 (80 %R)	0.80 (80 %R) (0 RPD)	mg/L	8/24/11	70-130	20	200.8
Calcium	102343.1	16	26 (85 %R)	26 (88 %R) (3 RPD)	mg/L	8/24/11	70-130	20	200.8
Cadmium	102343.1	< 0.001	1.0 (101 %R)	1.0 (100 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Chromium	102343.1	< 0.001	0.82 (82 %R)	0.84 (84 %R) (2 RPD)	mg/L	8/24/11	70-130	20	200.8
Copper	102343.1	< 0.001	0.76 (76 %R)	0.77 (77 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Cobalt	102343.1	< 0.001	0.81 (81 %R)	0.83 (83 %R) (2 RPD)	mg/L	8/24/11	70-130	20	200.8
Iron	102343.1	3.5	13 (86 %R)	13 (91 %R) (6 RPD)	mg/L	8/24/11	70-130	20	200.8
Lead	102343.1	< 0.001	0.99 (99 %R)	1.0 (100 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Magnesium	102343.1	9.2	19 (84 %R)	19 (85 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Manganese	102343.1	0.55	1.4 (81 %R)	1.4 (85 %R) (5 RPD)	mg/L	8/24/11	70-130	20	200.8
Mercury	102343.1	< 0.0001	0.0010 (100 %R)	0.0010 (102 %R) (2 RPD)	mg/L	8/24/11	70-130	20	200.8
Nickel	102343.1	< 0.001	0.74 (74 %R)	0.75 (75 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Potassium	102343.1	4.1	13 (85 %R)	14 (85 %R) (0 RPD)	mg/L	8/24/11	70-130	20	200.8
Selenium	102343.1	< 0.001	0.98 (98 %R)	0.97 (97 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Silver	102343.1	< 0.001	0.74 (74 %R)	0.80 (80 %R) (8 RPD)	mg/L	8/24/11	70-130	20	200.8
Sodium	102343.1	12	21 (84 %R)	21 (83 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Thallium	102343.1	< 0.001	1.0 (100 %R)	1.0 (101 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Vanadium	102343.1	< 0.001	0.84 (84 %R)	0.88 (88 %R) (5 RPD)	mg/L	8/24/11	70-130	20	200.8
Zinc	102343.1	< 0.005	0.77 (77 %R)	0.78 (78 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Iron	< 0.05	11 (104 %R)		mg/L	8/24/11	85 - 115	20	200.8
Manganese	< 0.005	1.0 (102 %R)		mg/L	8/24/11	85 - 115	20	200.8

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Iron	102343.06	< 0.05	12 (106 %R)	12 (105 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Manganese	102343.06	0.062	1.1 (101 %R)	1.1 (101 %R) (0 RPD)	mg/L	8/24/11	70-130	20	200.8

Aqdis

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
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*/! Flagged analyte recoveries deviated from the QA/QC limits.

Page 1 of 2

CHAIN-OF-CUSTODY RECORD

102343

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX	VOC: 524.2 MTBE ONLY	VOC: 524.2 VTICS 8260B 624 VTICS 1,4 DIOXANE EDB DBCP	VOC: 8021B BTEX HALOS	VOC: 8015B GRO MEGRO MAVPH	SVOC: 8270D 625 SVTICS ABN A BN PAH	SVOC: TPH8100 LI L2	SVOC: 8015B DRO MEDRO MAEPH	SVOC: PEST 608 PCB 608 PEST 8081A PCB 8082	SVOC: OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW)	METALS: TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.	INORGANICS: BR CL F SO4 NO2 NO3 NO2NO3	INORGANICS: BOD CBOD T. ALK.	INORGANICS: TKN NH3 T. PHOS. O. PHOS.	INORGANICS: pH T. RES. CHLORINE	INORGANICS: COD PHENOLS TOC DOC	INORGANICS: TOTAL CYANIDE TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI FECAL COLIFORM	MICRO: ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER: 1,4-Dioxane	OTHER: 1,2,3 TRI HVOCs	OTHER:	# OF CONTAINERS	NOTES MEOH VIAL #
GW-BP-4-0811	8-15-11 / 17:00	GW	G																									X	X		3
GW-MW-6-0811	19:00	↓	↓			X									X													X	X		6
GW-AE-1A-0811	10:55														X													X	X		4
GW-FPC-9A-0811	13:15														X														X		2
GW-FPC-11A-0811	16:05														X														X		2
GW-FPC-11B-0811	16:05														X														X		2
GW-GZ-125-0811	15:05					X									X														X		4
Equipment	19:15					X									X													X	X		6
GW-AE-1B-0811	8-16-11 / 14:00														X													X	X		4
GW-FPC-2A-0811	11:35	↓	↓			X									X														X		4

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: Kevin McKibben

COMPANY: Provan & Lorber

ADDRESS: P.O. Box 339

CITY: Contoocook STATE: NH ZIP: 03229

PHONE: 603-746-3220 EXT.:

FAX: 746-5642

E-MAIL:

SITE NAME: Coakley Landfill

PROJECT #: P1081

STATE: (NH) MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:

QUOTE #: ? PO #:

DATE NEEDED: Standard T.A.T.

QA/QC REPORTING LEVEL: A B C OR PRESUMPTIVE CERTAINTY

REPORTING OPTIONS: PRELIMS: YES OR NO; IF YES: FAX OR (PDF)

ELECTRONIC OPTIONS: NO FAX E-MAIL (PDF) EQUIS

TEMP. 5 °C ICE? (YES) NO

SAMPLER(S): K. McKibben, S. Duguay

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Kevin McKibben	8-16-11	15:15	
S. Duguay	8/16/11	4:39	

METALS: 8 RCRA 13 PP (FE, MN) PB, CU

OTHER METALS:

DISSOLVED METALS FIELD FILTERED? (YES) NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

eastern analytical, inc. professional laboratory services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | FAX: 603.228.4591 | E-MAIL: CUSTOMER_SERVICE@EAILABS.COM | WWW.EAILABS.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

Page 2 of 2

CHAIN-OF-CUSTODY RECORD

FOR LAB USE ONLY 102343

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX 524.2 MTBE ONLY	VOC: 524.2 VTICs 624 1,4 DIOXANE DBCP EDB	VOC: 8021B BTEX HALOS	VOC: 8015B GRO MEGRO MAVPH	SVOC: 8270D 625 SVTICs ABN A BN PAH	SVOC: TPH8100 L1 L2	SVOC: 8015B DRO MEDRO MAEPH	SVOC: PEST 608 PCB 608 PEST 8081A PCB 8082	SVOC: OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW)	METALS: TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.	INORGANICS: BR Cl F SO4 NO2 NO2NO3	INORGANICS: BOD CBOD T. ALK.	INORGANICS: TKN NH3 T. PHOS. O. PHOS.	INORGANICS: pH T. RES. CHLORINE	INORGANICS: COD PHENOLS TOC DOC	INORGANICS: TOTAL CYANIDE TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI FECAL COLIFORM	MICRO: ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER: 1,4-Dioxane	OTHER: Total 1,4 DioxaneTAL Hold	# OF CONTAINERS	NOTES MEOH VIAL #
GW-APC-2B-0811	8-16-11 / 14:35	GW	G		X									X													X	X		
Trip Blank					X																						X			

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: Kevin McKibbin

COMPANY: Provan & Lorber

ADDRESS: P.O. Box 349

CITY: Contoocook STATE: NH ZIP: 03229

PHONE: 603-746-3220 EXT.:

FAX: 746-5642

E-MAIL:

SITE NAME: Cookley Landfill

PROJECT #: P1081

STATE: (NH) MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:

QUOTE #: ? PO #:

DATE NEEDED: Standard T.A.T.

QA/QC REPORTING LEVEL: A B C OR PRESUMPTIVE CERTAINTY

REPORTING OPTIONS: PRELIMS: YES OR NO; IF YES: FAX OR (PDF)

ELECTRONIC OPTIONS: NO FAX E-MAIL (PDF) EQUIS

TEMP. 5 °C ICE? (YES) NO

SAMPLER(S): K. McKibbin, S. Dupuay

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
[signature]	8-16-11	15:??	[signature]
[signature]	8/16/11	4:39	[signature]

METALS: 8 RCRA 13 PP (Fe/Mn) Pb, Cu

OTHER METALS:

DISSOLVED METALS FIELD FILTERED? (YES) NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

eastern analytical, inc. professional laboratory services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | FAX: 603.228.4591 | E-MAIL: CUSTOMER_SERVICE@EAILABS.COM | WWW.EAILABS.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

Volatile Organic Analysis
8260B Initial Calibration
102343

IS/SS ID= V- 3815
Standard ID= V- 3816A
Gas Standard ID= V- 3817
LCS/LCSD and/or MS/MSD Standard ID= V-3805
V-3806

Analyst: MO/VG

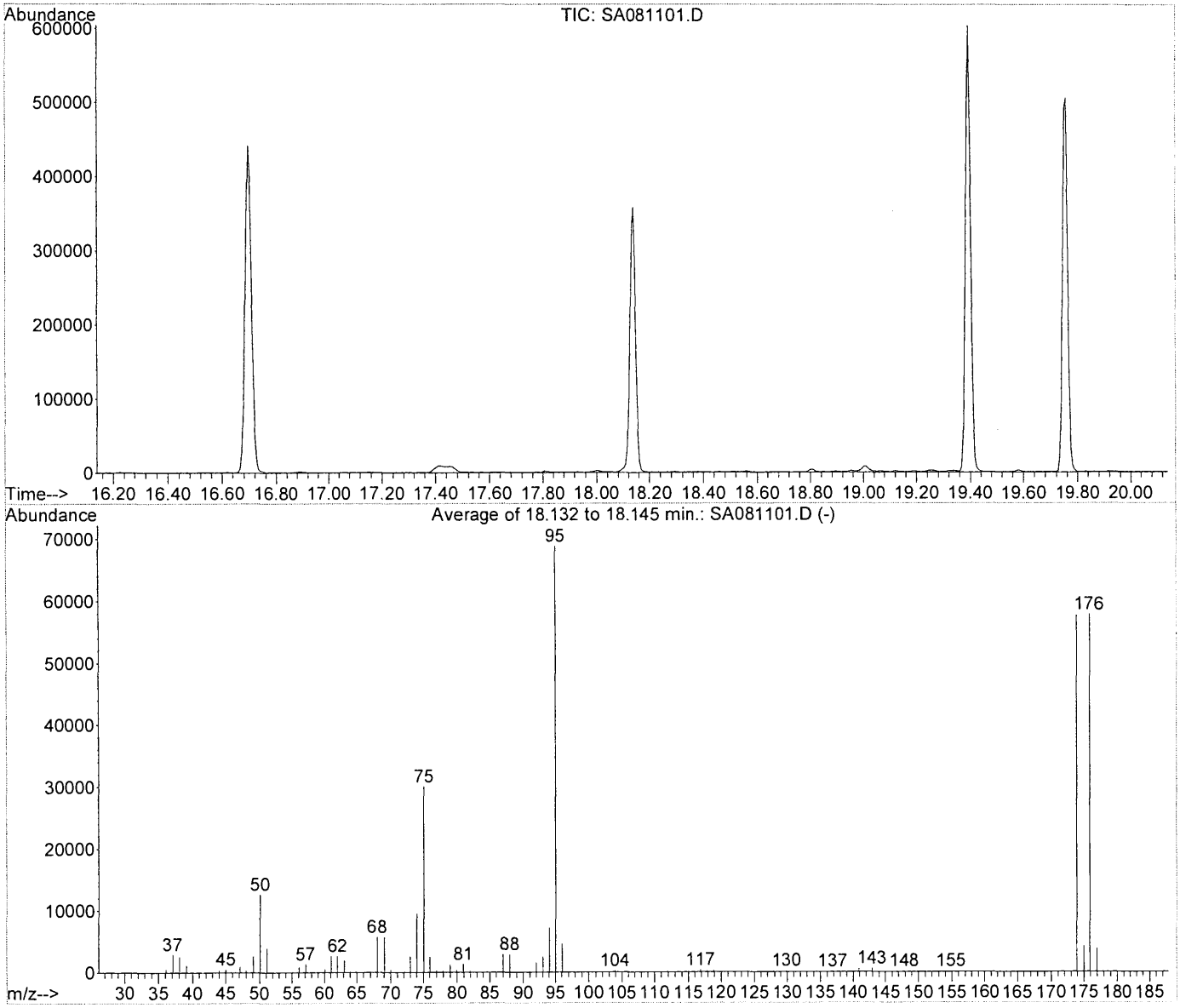
Date: 8/11/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA081101	BFB					VOCMS		autotuned		
2	02	25 ng BFB					VOCMS		autotuned		
3	03	STD0.2					VOCMS		DL not spike with IS/SS		
4	04	0.5					VOCMS				
5	05	1					VOCMS				
6	6	~~2~~					VOCMS		STD0.2		
7	7	~~5~~					VOCMS		STD0.5		
8	8	~~10~~					VOCMS		1		
9	9	~~20~~					VOCMS		2		
10	10	~~50~~					VOCMS		5		
11	11	~~100~~					VOCMS		10		
12	12	~~G50~~					VOCMS		~~20~~ (W) Blank		
13	13	~~STD200~~					VOCMS		~~50~~ 20		
14	14	~~G100~~					VOCMS		~~100~~ Blank		
15	15	~~G200~~					VOCMS		G50 50		
16	16	~~STD300~~					VOCMS		STD200 100		
17	17	~~Blank~~					VOCMS		G100 G50		
18	18	—					VOCMS		G200 STD200		
19	19	—					VOCMS		STD300 G100		
20	20	G300					VOCMS		G300 G200		
21	21	G400					VOCMS		G400 STD300		
22	22	G400					VOCMS		(W) G300		
23	23	LCS 10					VOCMS		G400		
24	24	LCS 20					VOCMS				
							VOCMS				
							VOCMS		NEW ICALS:		
							VOCMS				
							VOCMS		5LID0811 0.5-100 LR		
							VOCMS		5VID0811		
							VOCMS		5LID0811A: 10-300ppb LR		
							VOCMS				
							VOCMS				
							VOCMS		NOTE: GAS Conc. DRL		
							VOCMS		double in all points.		
							VOCMS		Stock solution		
							VOCMS		prepared at 100µg/mL		
							VOCMS		instead of 50µg/mL		
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				

8/18/11

Samples removed from autosampler, order and pH verified by _____

Data File : W:\1\DATA\AUG1111\SA081101.D Vial: 1
Acq On : 11 Aug 2011 7:48 am Operator: VG
Sample : BFB Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010



Spectrum Information: Average of 18.132 to 18.145 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	12652	PASS
75	95	30	60	43.7	30093	PASS
95	95	100	100	100.0	68792	PASS
96	95	5	9	6.7	4635	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.7	57552	PASS
175	174	5	9	7.2	4156	PASS
176	174	95	101	100.3	57701	PASS
177	176	5	9	6.6	3791	PASS

Response Factor Report VOAMS5

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration

Calibration Files
1 =SA081108.D 2 =SA081109.D 5 =SA081110.D
10 =SA081111.D 20 =SA081113.D 50 =SA081115.D

		Compound	1	2	5	10	20	50	Avg	%RSD
1)	I	Fluorobenzene IS	----------	----------	----------	ISTD	----------	----------	----------	
2)		dichlorodifluor	0.262	0.267	0.245	0.264	0.276	0.290	0.271	7.37
3)	P	chloromethane	0.306	0.307	0.278	0.298	0.310	0.327	0.312	6.58
4)	C	vinyl chloride	0.186	0.183	0.163	0.168	0.165	0.146	0.154	15.26
5)		bromomethane	0.118	0.121	0.128	0.142	0.154	0.171	0.150	14.66
6)		chloroethane	0.158	0.152	0.145	0.156	0.160	0.165	0.153	5.79
7)		trichlorofluoro	0.320	0.316	0.297	0.323	0.338	0.356	0.333	6.05
8)		diethyl ether	0.191	0.170	0.194	0.186	0.194	0.204	0.192	4.90
9)		1,1,2-Trichloro	0.241	0.218	0.229	0.229	0.243	0.253	0.237	4.58
10)		acrolein		0.010	0.009	0.007	0.007	0.006	0.007	23.72
11)		acetone		0.083	0.075	0.071	0.071	0.072	0.071	9.15
12)	CM	1,1-dichloroeth	0.221	0.199	0.210	0.213	0.228	0.235	0.220	5.20
13)		tert-Butyl Alco	0.017	0.014	0.015	0.014	0.014	0.015	0.015	7.48
14)		Iodomethane		0.141	0.173	0.203	0.230	0.266	0.235	22.02
15)		methylene chlor	0.278	0.234	0.240	0.233	0.238	0.246	0.249	12.48
16)		carbon disulfid	0.992	0.709	0.688	0.701	0.728	0.753	0.744	12.97
17)		acrylonitrile		0.083	0.094	0.089	0.091	0.095	0.090	4.18
18)		Methyl-t-butyl	0.526	0.469	0.527	0.504	0.523	0.553	0.524	4.45
19)		trans-1,2-dichl	0.246	0.221	0.237	0.238	0.249	0.260	0.244	4.57
20)		hexane	0.355	0.321	0.333	0.335	0.353	0.358	0.351	5.82
21)		Isopropyl ether	0.927	0.828	0.926	0.898	0.936	0.977	0.924	4.63
22)		vinyl acetate	0.304	0.312	0.304	0.317	0.332		0.341	12.14
23)	P	1,1-dichloroeth	0.488	0.437	0.471	0.460	0.483	0.502	0.478	4.01
24)		Ethyl-t-butyl e	0.723	0.652	0.732	0.703	0.740	0.781	0.738	5.60
25)		2,2-dichloropro	0.311	0.281	0.302	0.304	0.323	0.340	0.321	7.64
26)		cis-1,2-dichlor	0.400	0.352	0.383	0.375	0.392	0.408	0.385	4.37
27)		2-butanone (MEK	0.113	0.102	0.112	0.105	0.105	0.109	0.110	7.85
28)		bromochlorometh	0.139	0.123	0.137	0.134	0.139	0.146	0.136	5.43
29)		Tetrahydrofuran	0.073	0.062	0.066	0.060	0.060	0.064	0.064	6.54
30)	C	chloroform	0.442	0.499	0.436	0.422	0.444	0.468	0.450	4.90
31)	S	SS Dibromofluor	0.232	0.233	0.236	0.237	0.237	0.240	0.237	1.28
32)		1,1,1-trichloro	0.344	0.310	0.339	0.344	0.371	0.398	0.364	8.91
33)		carbon tetrachl	0.238	0.221	0.249	0.260	0.295	0.334	0.289	18.39
34)		1,1-dichloropro	0.360	0.327	0.347	0.347	0.373	0.386	0.360	5.02
35)	S	SS 1,2-DCA-d4_M	0.246	0.249	0.249	0.251	0.249	0.250	0.249	0.97
36)		tert-amyl methy	0.561	0.502	0.567	0.543	0.568	0.608	0.576	6.81
37)	M	benzene	1.131	1.010	1.104	1.072	1.128	1.156	1.092	5.23
38)		1,2-dichloroeth	0.341	0.300	0.332	0.316	0.330	0.342	0.326	4.83
39)	M	trichloroethene	0.286	0.252	0.270	0.271	0.285	0.297	0.278	5.02
40)	C	1,2-dichloropro	0.290	0.258	0.287	0.277	0.290	0.302	0.285	4.54
41)		1,4-dioxaneV			0.002	0.002	0.002	0.002	0.002	14.65
42)		dibromomethane	0.154	0.133	0.149	0.143	0.148	0.156	0.148	4.58
43)		bromodichlorome	0.255	0.247	0.278	0.283	0.309	0.342	0.300	13.36
44)		2-Chloroethoxye	0.116	0.117	0.122	0.129	0.133	0.142	0.130	11.81
45)		4-methyl-2-pent	0.074	0.067	0.079	0.076	0.079	0.085	0.078	7.73
46)		cis-1,3-dichlor	0.329	0.299	0.353	0.353	0.379	0.412	0.364	10.98
47)	I	Chlorobenzene-D5 IS	----------	----------	----------	ISTD	----------	----------	----------	
48)	S	SS Toluene-d8_M	1.246	1.252	1.251	1.246	1.239	1.242	1.243	0.44
49)	CM	toluene	1.540	1.380	1.491	1.441	1.508	1.547	1.466	7.09
50)		trans-1,3-dichl	0.345	0.314	0.382	0.379	0.416	0.459	0.398	14.01
51)		1,1,2-trichloro	0.223	0.202	0.225	0.213	0.222	0.231	0.220	4.68
52)		2-hexanone		0.158	0.183	0.175	0.180	0.188	0.173	6.30

(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration

Calibration Files
1 =SA081108.D 2 =SA081109.D 5 =SA081110.D
10 =SA081111.D 20 =SA081113.D 50 =SA081115.D

		Compound	1	2	5	10	20	50	Avg	%RSD
53)		tetrachloroethe	0.393	0.349	0.368	0.367	0.385	0.399	0.374	5.32
54)		1,3-dichloropro	0.467	0.413	0.456	0.436	0.448	0.474	0.446	4.47
55)		dibromochlorome	0.194	0.178	0.221	0.233	0.263	0.310	0.255	23.07
56)		1,2-dibromoetha	0.258	0.242	0.271	0.260	0.274	0.289	0.269	5.40
57)	PM	chlorobenzene	1.061	0.933	1.003	0.970	1.008	1.038	0.981	7.09
58)		1,1,1,2-tetrach	0.249	0.227	0.277	0.276	0.304	0.328	0.277	12.73
59)	C	ethylbenzene	1.708	1.538	1.677	1.634	1.722	1.746	1.600	10.33
60)		mp-xylene	0.688	0.626	0.679	0.664	0.688	0.693	0.635	11.97
61)		o-xylene	0.663	0.593	0.647	0.636	0.671	0.684	0.631	6.86
62)		styrene	1.071	0.992	1.105	1.067	1.122	1.158	1.058	6.99
63)	P	bromoform	0.088	0.080	0.102	0.111	0.133	0.168	0.132	34.70
64)		iso-propylbenze	1.572	1.425	1.545	1.531	1.614	1.655	1.513	7.50
65)	S	SS 4-BFB_MS	0.466	0.468	0.468	0.471	0.477	0.477	0.472	1.02
66)	I	1,4-Dichlorobenzene-D	----------	----------	ISTD	----------	----------	----------		
67)		bromobenzene	0.770	0.682	0.764	0.728	0.757	0.780	0.745	5.07
68)	P	1,1,2,2-tetrach	0.566	0.506	0.574	0.537	0.550	0.574	0.555	3.72
69)		1,2,3-trichloro	0.165	0.152	0.168	0.160	0.166	0.170	0.165	3.77
70)		trans-1,4-dichl		0.063	0.077	0.082	0.090	0.107	0.096	21.65
71)		n-propylbenzene	3.638	3.214	3.571	3.507	3.624	3.667	3.405	9.31
72)		2-chlorotoluene	2.263	2.037	2.215	2.137	2.190	2.205	2.113	7.90
73)		4-chlorotoluene	2.183	1.953	2.148	2.063	2.125	2.189	2.065	7.20
74)		1,3,5-trimethyl	2.513	2.288	2.524	2.474	2.584	2.613	2.425	7.75
75)		tert-butylbenze	2.206	1.988	2.157	2.130	2.217	2.240	2.106	6.97
76)		1,2,4-trimethyl	2.611	2.365	2.608	2.532	2.623	2.664	2.479	8.41
77)		sec-butylbenzen	3.162	2.888	3.140	3.117	3.242	3.292	3.024	9.29
78)		1,3-dichloroben	1.486	1.274	1.452	1.381	1.430	1.460	1.384	7.08
79)		p-isopropyltolu	2.610	2.398	2.668	2.627	2.738	2.772	2.535	8.92
80)		1,4-dichloroben	1.462	1.287	1.440	1.373	1.420	1.450	1.376	7.25
81)		1,2-dichloroben	1.357	1.205	1.317	1.269	1.299	1.341	1.270	6.45
82)		n-butylbenzene	2.219	2.049	2.239	2.253	2.353	2.404	2.180	8.64
83)	S	SS 1,2-DCB-D4_M	0.875	0.884	0.886	0.879	0.879	0.878	0.882	0.80
84)		1,2-dibromo-3-c	0.079	0.068	0.088	0.088	0.096	0.112	0.096	22.58
85)		1,3,5-trichloro	0.886	0.782	0.876	0.851	0.889	0.929	0.868	5.25
86)		1,2,4-trichloro	0.710	0.644	0.722	0.711	0.744	0.785	0.728	5.77
87)		hexachlorobutad	0.342	0.312	0.336	0.340	0.362	0.378	0.353	6.25
88)		naphthaleneV	1.610	1.453	1.715	1.688	1.745	1.868	1.693	7.70
89)		1,2,3-trichloro	0.645	0.565	0.633	0.616	0.644	0.681	0.636	6.14
90)	S	SS 2,5-DBT_MS			0.192	0.195	0.216	0.242	0.232	13.14

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report VOAMS5

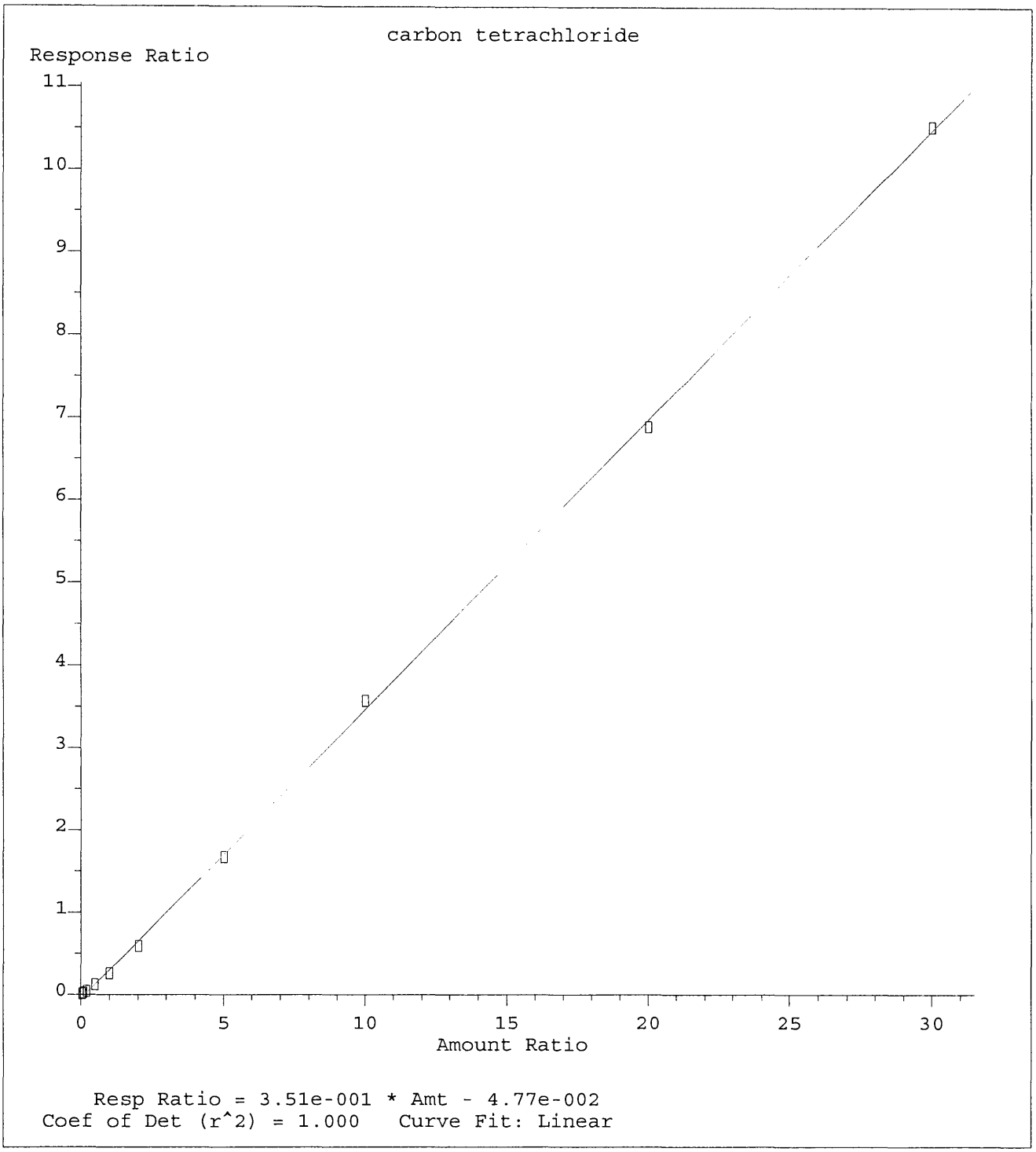
Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
Total Cpnds : 90

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene IS	96	12.03	1.000	A	2	A	B
2		dichlorodifluoromethane	85	2.99	0.249	A	2	A	B
3	P	chloromethane	50	3.33	0.277	A	1	A	B
4	C	vinyl chloride	62	3.48	0.289	A	1	A	B
5		bromomethane	94	4.14	0.344	A	2	A	B
6		chloroethane	64	4.25	0.353	A	2	A	B
7		trichlorofluoromethane	101	4.65	0.387	A	2	A	B
8		diethyl ether	59	5.15	0.428	A	2	A	B
9		1,1,2-Trichlorotrifluoroethane	101	5.40	0.449	A	2	A	B
10		acrolein	56	5.40	0.449	L	1	A	B
11		acetone	43	5.51	0.458	A	1	A	B
12	CM	1,1-dichloroethene	96	5.74	0.477	A	3	A	B
13		tert-Butyl Alcohol (TBA)	59	5.89	0.490	A	1	A	B
14		Iodomethane	142	6.33	0.526	L	3	A	B
15		methylene chloride	84	6.67	0.554	A	2	A	B
16		carbon disulfide	76	6.70	0.557	A	1	A	B
17		acrylonitrile	53	6.93	0.576	A	2	A	B
18		Methyl-t-butyl ether (MTBE)	73	6.96	0.578	A	3	A	B
19		trans-1,2-dichloroethene	96	7.25	0.603	A	3	A	B
20		hexane	57	7.38	0.614	A	3	A	B
21		Isopropyl ether (DIPE)	45	7.91	0.657	A	3	A	B
22		vinyl acetate	43	8.14	0.677	A	1	A	B
23	P	1,1-dichloroethane	63	8.13	0.676	A	2	A	B
24		Ethyl-t-butyl ether (ETBE)	59	8.77	0.729	A	3	A	B
25		2,2-dichloropropane	77	9.33	0.775	A	3	A	B
26		cis-1,2-dichloroethene	61	9.43	0.784	A	3	A	B
27		2-butanone (MEK)	43	9.04	0.752	A	2	A	B
28		bromochloromethane	128	10.15	0.844	A	3	A	B
29		Tetrahydrofuran (THF)	42	10.22	0.850	A	2	A	B
30	C	chloroform	83	9.78	0.813	A	2	A	B
31	S	SS Dibromofluoromethane_MS	111	10.26	0.853	A	2	A	B
32		1,1,1-trichloroethane	97	10.66	0.886	A	3	A	B
33		carbon tetrachloride	117	11.23	0.934	L	3	A	B
34		1,1-dichloropropene	75	11.03	0.917	A	3	A	B
35	S	SS 1,2-DCA-d4_MS	65	11.39	0.946	A	2	A	B
36		tert-amyl methyl ether (TAME)	73	11.29	0.938	A	3	A	B
37	M	benzene	78	11.60	0.965	A	3	A	B
38		1,2-dichloroethane	62	11.59	0.963	A	2	A	B
39	M	trichloroethene	95	12.77	1.061	A	3	A	B
40	C	1,2-dichloropropane	63	13.08	1.087	A	3	A	B
41		1,4-dioxaneV	88	13.51	1.123	A	2	A	B
42		dibromomethane	93	13.55	1.126	A	3	A	B
43		bromodichloromethane	83	13.47	1.119	A	3	A	B
44		2-Chloroethoxyethene	63	13.97	1.161	A	3	A	B
45		4-methyl-2-pentanone (MIBK)	58	14.01	1.164	A	3	A	B
46		cis-1,3-dichloropropene	75	14.32	1.190	A	3	A	B
47	I	Chlorobenzene-D5 IS	117	16.70	1.000	A	2	A	B
48	S	SS Toluene-d8_MS	98	14.67	0.879	A	2	A	B
49	CM	toluene	91	14.79	0.886	A	3	A	B
50		trans-1,3-dichloropropene	75	15.05	0.901	A	3	A	B
51		1,1,2-trichloroethane	83	15.26	0.914	A	3	A	B
52		2-hexanone	43	15.26	0.914	A	2	A	B
53		tetrachloroethene	166	15.69	0.940	A	3	A	B
54		1,3-dichloropropane	76	15.60	0.934	A	2	A	B
55		dibromochloromethane	129	15.96	0.956	L	3	A	B
56		1,2-dibromoethane	107	16.22	0.972	A	3	A	B
57	PM	chlorobenzene	112	16.75	1.003	A	2	A	B
58		1,1,1,2-tetrachloroethane	131	16.79	1.006	A	3	A	B
59	C	ethylbenzene	91	16.80	1.006	A	3	A	B
60		mp-xylene	106	16.89	1.012	A	3	A	B
61		o-xylene	106	17.42	1.043	A	3	A	B
62		styrene	104	17.46	1.046	A	3	A	B
63	P	bromoform	173	17.89	1.071	L	3	A	B
64		iso-propylbenzene	105	17.83	1.068	A	3	A	B

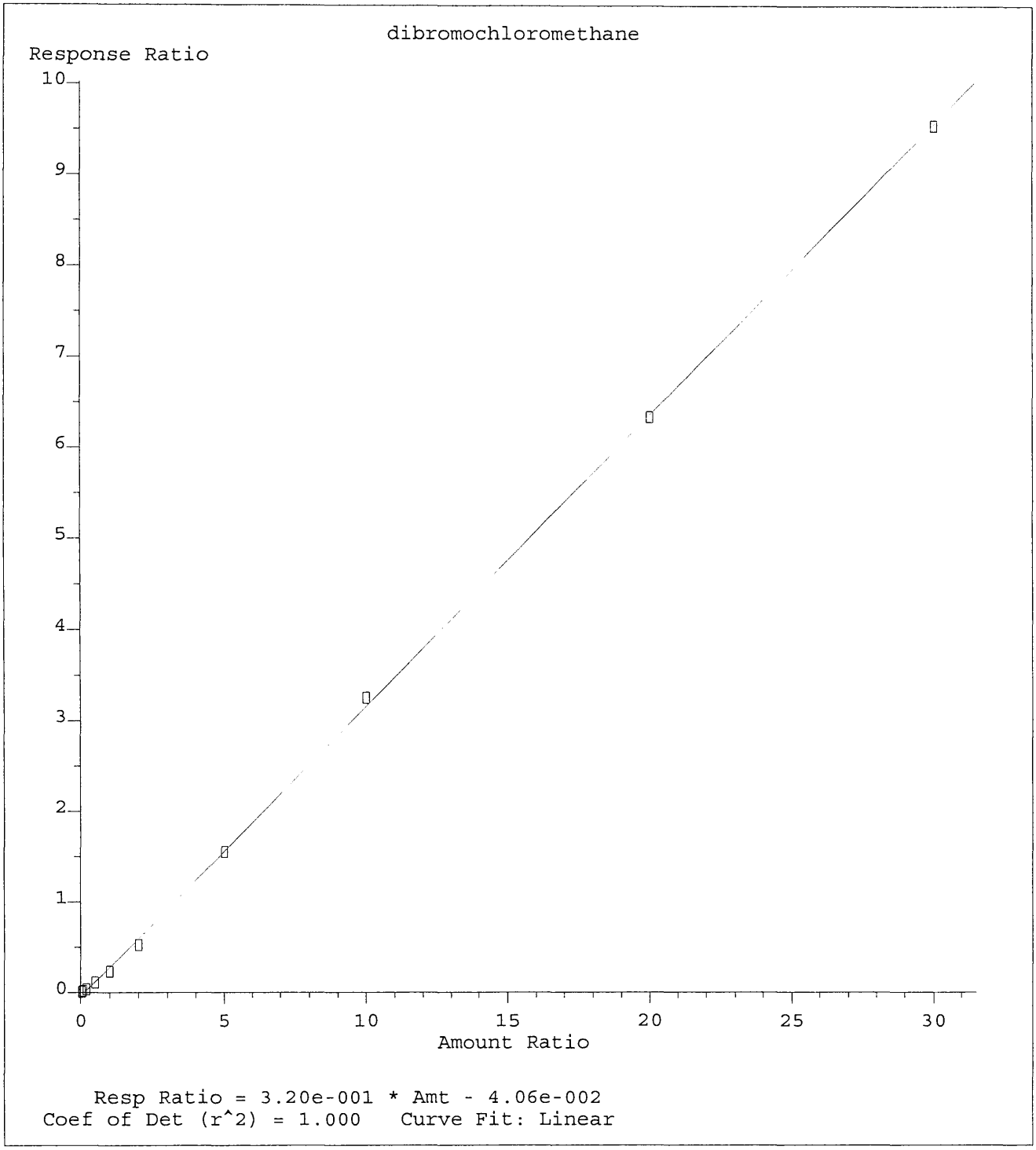
65	S	SS 4-BFB_MS	95	18.14	1.086	A	3	A	B
66	I	1,4-Dichlorobenzene-D4 IS	152	19.39	1.000	A	3	A	B
67		bromobenzene	156	18.38	0.948	A	3	A	B
68	P	1,1,2,2-tetrachloroethane	83	18.04	0.930	A	3	A	B
69		1,2,3-trichloropropane	110	18.20	0.939	A	3	A	B
70		trans-1,4-dichloro-2-butene	75	18.27	0.942	L	3	A	B
71		n-propylbenzene	91	18.29	0.943	A	1	A	B
72		2-chlorotoluene	91	18.52	0.955	A	2	A	B
73		4-chlorotoluene	91	18.56	0.957	A	2	A	B
74		1,3,5-trimethylbenzene	105	18.46	0.952	A	3	A	B
75		tert-butylbenzene	119	18.85	0.972	A	3	A	B
76		1,2,4-trimethylbenzene	105	18.89	0.974	A	3	A	B
77		sec-butylbenzene	105	19.06	0.983	A	3	A	B
78		1,3-dichlorobenzeneV	146	19.32	0.997	A	3	A	B
79		p-isopropyltoluene	119	19.19	0.990	A	3	A	B
80		1,4-dichlorobenzeneV	146	19.42	1.002	A	3	A	B
81		1,2-dichlorobenzeneV	146	19.78	1.020	A	3	A	B
82		n-butylbenzene	91	19.58	1.010	A	3	A	B
83	S	SS 1,2-DCB-D4_MS	152	19.76	1.019	A	3	A	B
84		1,2-dibromo-3-chloropropane	157	20.52	1.058	L	3	A	B
85		1,3,5-trichlorobenzV	180	20.75	1.070	A	3	A	B
86		1,2,4-trichlorobenzV	180	21.43	1.105	A	3	A	B
87		hexachlorobutadieneV	225	21.57	1.112	A	3	A	B
88		naphthaleneV	128	21.77	1.123	A	3	A	B
89		1,2,3-trichlorobenzV	180	22.06	1.137	A	3	A	B
90	S	SS 2,5-DBT_MS	250	23.36	1.205	A	3	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

5VID0811.M Tue Aug 30 10:13:26 2011



Method Name: W:\1\METHODS\2011\5VID0811.M
Calibration Table Last Updated: Mon Aug 15 10:28:25 2011



Method Name: W:\1\METHODS\2011\5VID0811.M
Calibration Table Last Updated: Mon Aug 15 10:28:25 2011

Volatile Organic Analysis
8260B Support Data
102343

VOAMS5 Analysis Run Log

IS/SS ID= V-3815
Standard ID= V-3816A
Gas Standard ID= V-3817
LCS/LCSD and/or MS/MSD Standard ID= V-3821 (G)
V-3806 (L)

Analyst: WJP

Date: 8/17/2011

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA081701	BFB					VOCMS				
2	02	STD 20					VOCMS	5V100811	low pep, RR		
3	03	STD 2					VOCMS				
4	04	BFB					VOCMS		Autofind BFB		✓
5	05	STD 20					VOCMS	5V100811			✓
6	06	STD 2					VOCMS				✓
7	07	MB					VOCMS				✓
8	08	102343.02		✓		x1	VOCMS				
9	09	102343.07		✓		x1	VOCMS				
10	10	102343.08		✓		x1	VOCMS				
11	11	102343.10		✓		x1	VOCMS				
12	12	102343.11		✓		x1	VOCMS				
13	13	102343.12		✓		x1	VOCMS				
14	14	102330.01		✓		x1	VOCMS				
15	15	102330.04		✓		x1	VOCMS				
16	16	102077.04		✓		x1	VOCMS				
17	17	LCS 20					VOCMS		↓ 2CEVE, CCl4, 22DCPA ↑VC		✓
18	18	LCSd 20					VOCMS		↓ 2CEVE, 22DCPA ↑VC		✓
19	19	Blank					VOCMS				
20	20	102077.01		✓		x100	VOCMS				
21	21	.02		✓		x100	VOCMS				
22	22	.03		✓		x100	VOCMS				
							VOCMS				
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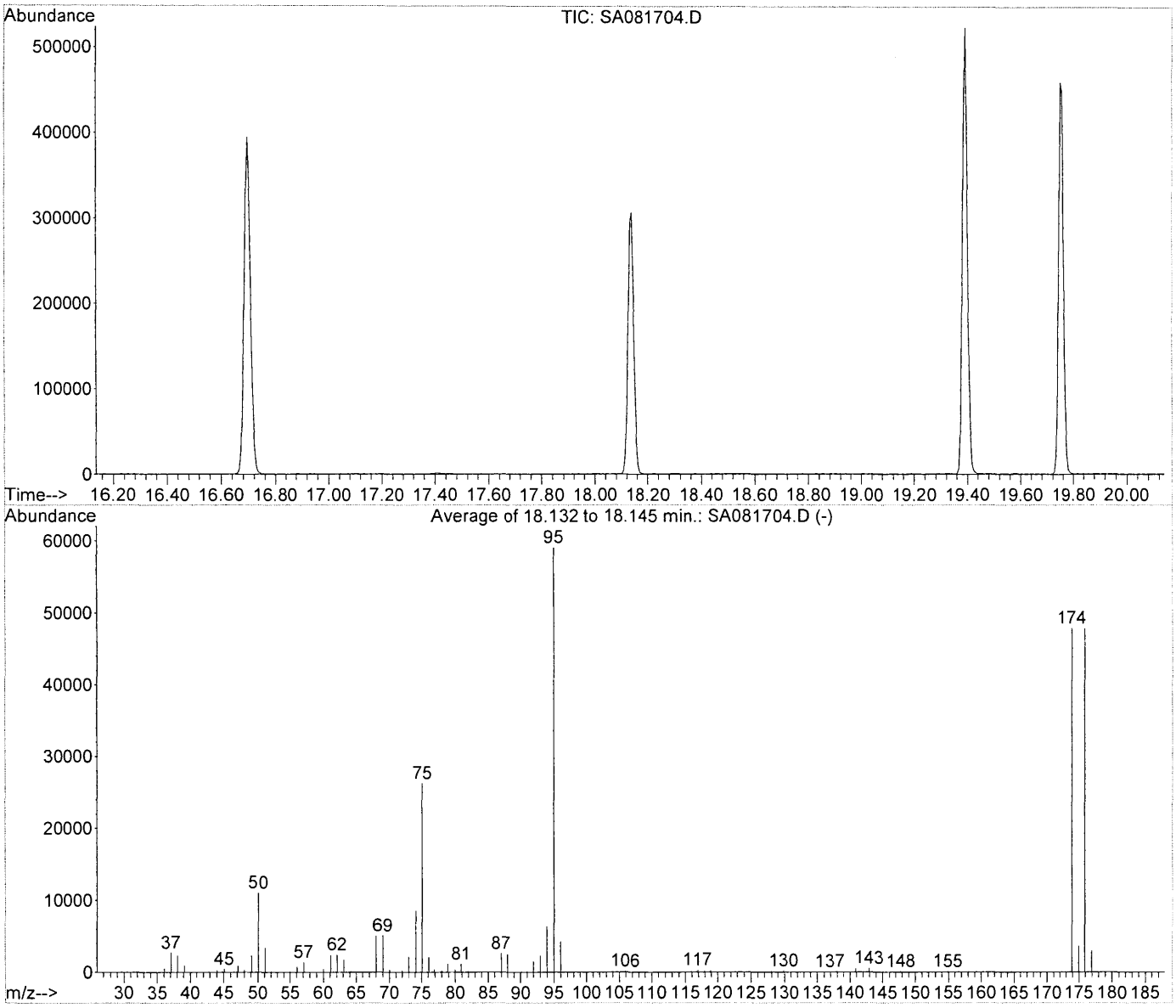
8/17/11 WJP

COPY

Samples removed from autosampler, order and pH verified by WJP 8/18/11

Data File : W:\1\DATA\AUG1711\SA081704.D
Acq On : 17 Aug 2011 12:22 pm
Sample : BFB
Misc : x1; 5mL;
MS Integration Params: rteint.p
Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010

Vial: 4
Operator: VG
Inst : VOAMS5
Multiplr: 1.00



Spectrum Information: Average of 18.132 to 18.145 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	11071	PASS
75	95	30	60	44.4	26264	PASS
95	95	100	100	100.0	59093	PASS
96	95	5	9	7.2	4282	PASS
173	174	0.00	2	0.3	122	PASS
174	95	50	100	81.0	47853	PASS
175	174	5	9	7.6	3638	PASS
176	174	95	101	99.8	47746	PASS
177	176	5	9	6.3	2992	PASS

GC/MS QA-QC Check Report

Tune File : U:\1\DATA\AUG1711\SA081704.D
Tune Time : 17 Aug 2011 12:22 pm

Daily Calibration File : U:\1\DATA\AUG1711\SA081705.D

							289033	225756	122739

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA081705.D	STD 20	101	108	103	101	289033	225756	122739
		104	45*					
SA081706.D	STD 2	101	106	103	100	285754	224009	120130
		102	5*					
SA081707.D	MB	99	107	102	98	279555	218869	114310
		104	0*					
SA081708.D	102343.02	101	106	103	98	278034	218047	113705
		104	0*					
SA081709.D	102343.07	100	108	102	99	277262	217337	114138
		105	0*					
SA081710.D	102343.08	100	108	103	99	273377	214471	113586
		104	0*					
SA081711.D	102343.10	99	107	102	99	281316	220001	115104
		106	0*					
SA081712.D	102343.11	101	110	102	98	273234	215571	112958
		104	0*					
SA081713.D	102343.12	100	108	102	98	273879	216487	112786
		105	0*					
SA081714.D	102330.01	99	109	102	98	276230	219047	114653
		105	0*					
SA081715.D	102330.02	100	109	102	100	269191	211932	111996
		105	0*					
SA081716.D	102077.04	99	108	102	100	269048	211338	112160
		104	0*					
SA081717.D	LCS	101	108	103	100	268891	213108	115882
		102	0*					
SA081718.D	LCSD	102	108	102	101	273555	216751	117166
		104	0*					
SA081720.D	102077.01	100	106	102	98	271218	213083	111864
		104	0*					
SA081721.D	102077.02	101	108	103	99	269051	213346	113372
		104	0*					
SA081722.D	102077.03	100	109	103	99	266136	210137	110496
		104	0*					

t - fails 12hr time check * - fails criteria

Created: Fri Aug 26 12:40:10 2011 VOAMS5

Evaluate Continuing Calibration Report

Data File : W:\1\DATA\AUG1711\SA081705.D Vial: 5
Acq On : 17 Aug 2011 1:06 pm Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	96	0.00
2		dichlorodifluoromethane	20.000	16.480	17.6	81	0.00
3	P	chloromethane	20.000	17.699	11.5	89	0.00
4	C	vinyl chloride	20.000	20.093	-0.5	89	0.00
5		bromomethane	20.000	18.074	9.6	92	0.00
6		chloroethane	20.000	19.081	4.6	90	0.00
7		trichlorofluoromethane	20.000	18.793	6.0	93	0.00
10		acrolein	20.000	29.125	-45.6#	107	0.00
14		Iodomethane	20.000	16.031	19.8	85	0.00
22		vinyl acetate	20.000	15.170	24.1#	78	0.00
31	S	SS Dibromofluoromethane_MS	10.000	10.113	-1.1	97	0.00
35	S	SS 1,2-DCA-d4_MS	10.000	10.763	-7.6	102	0.00
41		1,4-dioxaneV	40.000	40.784	-2.0	105	0.00
44		2-Chloroethoxyethene	20.000	17.331	13.3	83	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	94	0.00
48	S	SS Toluene-d8_MS	10.000	10.292	-2.9	96	0.00
65	S	SS 4-BFB_MS	10.000	10.134	-1.3	96	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	94	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	10.385	-3.8	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5
SA081111.D 5VID0811.M Tue Aug 30 11:02:21 2011

Evaluate Continuing Calibration Report

Data File : W:\1\DATA\AUG1711\SA081705.D Vial: 5
Acq On : 17 Aug 2011 1:06 pm Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	94	0.00
8		diethyl ether	20.000	20.618	-3.1	96	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	20.066	-0.3	92	0.00
11		acetone	20.000	24.463	-22.3#	116	0.00
12	CM	1,1-dichloroethene	20.000	19.719	1.4	90	0.00
13		tert-Butyl Alcohol (TBA)	100.000	97.543	2.5	97	0.00
15		methylene chloride	20.000	19.000	5.0	94	0.00
16		carbon disulfide	20.000	18.347	8.3	88	0.00
17		acrylonitrile	20.000	21.612	-8.1	100	0.00
18		Methyl-t-butyl ether (MTBE)	40.000	39.410	1.5	93	0.00
19		trans-1,2-dichloroethene	20.000	19.620	1.9	91	0.00
20		hexane	20.000	19.482	2.6	91	0.00
21		Isopropyl ether (DIPE)	20.000	19.971	0.1	93	0.00
23	P	1,1-dichloroethane	20.000	19.764	1.2	92	0.00
24		Ethyl-t-butyl ether (ETBE)	20.000	18.232	8.8	86	0.00
25		2,2-dichloropropane	20.000	14.210	28.9#	67	0.00
26		cis-1,2-dichloroethene	20.000	20.269	-1.3	94	0.00
27		2-butanone (MEK)	20.000	22.119	-10.6	109	0.00
28		bromochloromethane	20.000	20.271	-1.4	93	0.00
29		Tetrahydrofuran (THF)	20.000	20.518	-2.6	104	0.00
30	C	chloroform	20.000	19.867	0.7	95	0.00
31	S	SS Dibromofluoromethane_MS	10.000	10.113	-1.1	95	0.00
32		1,1,1-trichloroethane	20.000	16.933	15.3	78	0.00
33		carbon tetrachloride	20.000	13.185	34.1#	66	0.00
34		1,1-dichloropropene	20.000	20.001	-0.0	91	0.00
35	S	SS 1,2-DCA-d4_MS	10.000	10.763	-7.6	101	0.00
36		tert-amyl methyl ether (TAM	20.000	18.493	7.5	88	0.00
37	M	benzene	20.000	20.117	-0.6	92	0.00
38		1,2-dichloroethane	20.000	20.860	-4.3	97	0.00
39	M	trichloroethene	20.000	19.778	1.1	91	0.00
40	C	1,2-dichloropropane	20.000	19.967	0.2	92	0.00
42		dibromomethane	20.000	20.312	-1.6	96	0.00
43		bromodichloromethane	20.000	18.828	5.9	86	0.00
45		4-methyl-2-pentanone (MIBK)	20.000	21.064	-5.3	98	0.00
46		cis-1,3-dichloropropene	20.000	18.493	7.5	84	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	92	0.00
48	S	SS Toluene-d8_MS	10.000	10.292	-2.9	95	0.00
49	CM	toluene	20.000	20.506	-2.5	92	0.00
50		trans-1,3-dichloropropene	20.000	18.191	9.0	80	0.00
51		1,1,2-trichloroethane	20.000	20.991	-5.0	96	0.00
52		2-hexanone	20.000	23.543	-17.7	104	0.00
53		tetrachloroethene	20.000	19.738	1.3	88	0.00
54		1,3-dichloropropane	20.000	20.772	-3.9	95	0.00
55		dibromochloromethane	20.000	15.612	21.9#	80	0.00
56		1,2-dibromoethane	20.000	20.349	-1.7	92	0.00
57	PM	chlorobenzene	20.000	20.257	-1.3	91	0.00
58		1,1,1,2-tetrachloroethane	20.000	18.373	8.1	77	0.00
59	C	ethylbenzene	20.000	21.426	-7.1	92	0.00
60		mp-xylene	40.000	42.883	-7.2	91	0.00
61		o-xylene	20.000	21.166	-5.8	92	0.00
62		styrene	20.000	21.150	-5.7	92	0.00
63	P	bromoform	20.000	14.484	27.6#	74	0.00
64		iso-propylbenzene	20.000	21.006	-5.0	91	0.00
65	S	SS 4-BFB_MS	10.000	10.134	-1.3	93	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	91	0.00

67		bromobenzene	20.000	20.241	-1.2	90	0.00
68	P	1,1,2,2-tetrachloroethane	20.000	21.104	-5.5	97	0.00
69		1,2,3-trichloropropane	20.000	21.304	-6.5	96	0.00
70		trans-1,4-dichloro-2-butene	20.000	15.636	21.8#	73	0.00
71		n-propylbenzene	20.000	21.582	-7.9	92	0.00
72		2-chlorotoluene	20.000	21.174	-5.9	93	0.00
73		4-chlorotoluene	20.000	21.133	-5.7	93	0.00
74		1,3,5-trimethylbenzene	20.000	21.513	-7.6	92	0.00
75		tert-butylbenzene	20.000	21.039	-5.2	91	0.00
76		1,2,4-trimethylbenzene	20.000	21.528	-7.6	92	0.00
77		sec-butylbenzene	20.000	21.632	-8.2	92	0.00
78		1,3-dichlorobenzeneV	20.000	20.734	-3.7	91	0.00
79		p-isopropyltoluene	20.000	21.789	-8.9	91	0.00
80		1,4-dichlorobenzeneV	20.000	21.084	-5.4	93	0.00
81		1,2-dichlorobenzeneV	20.000	20.896	-4.5	93	0.00
82		n-butylbenzene	20.000	22.193	-11.0	93	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	10.385	-3.8	95	0.00
84		1,2-dibromo-3-chloropropane	20.000	16.680	16.6	81	0.00
85		1,3,5-trichlorobenzV	20.000	20.586	-2.9	91	0.00
86		1,2,4-trichlorobenzV	20.000	20.754	-3.8	92	0.00
87		hexachlorobutadieneV	20.000	19.720	1.4	87	0.00
88		naphthaleneV	20.000	22.062	-10.3	97	0.00
89		1,2,3-trichlorobenzV	20.000	20.696	-3.5	93	0.00
90	S	SS 2,5-DBT_MS	20.000	17.977	10.1	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1
SA081113.D 5VID0811.M Tue Aug 30 11:04:07 2011

Evaluate Continuing Calibration Report

Data File : W:\1\DATA\AUG1711\SA081705.D
Acq On : 17 Aug 2011 1:06 pm
Sample : STD 20
Misc : x1; 5mL;
MS Integration Params: rteint.p

Vial: 5
Operator: VG
Inst : VOAMS5
Multiplr: 1.00

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	1.000	1.000	0.0	96	0.00
2		dichlorodifluoromethane	0.271	0.224	17.3	81	0.00
3	P	chloromethane	0.312	0.276	11.5	89	0.00
4	C	vinyl chloride	0.154	0.155	-0.6	89	0.00
5		bromomethane	0.150	0.136	9.3	92	0.00
6		chloroethane	0.153	0.146	4.6	90	0.00
7		trichlorofluoromethane	0.333	0.313	6.0	93	0.00
10		acrolein	0.007	0.008	-14.3	107	0.00
14		Iodomethane	0.235	0.181	23.0#	85	0.00
22		vinyl acetate	0.341	0.258	24.3#	78	0.00
31	S	SS Dibromofluoromethane_MS	0.237	0.239	-0.8	97	0.00
35	S	SS 1,2-DCA-d4_MS	0.249	0.268	-7.6	102	0.00
41		1,4-dioxaneV	0.002	0.002	0.0	105	0.00
44		2-Chloroethoxyethene	0.130	0.112	13.8	83	0.00
47	I	Chlorobenzene-D5 IS	1.000	1.000	0.0	94	0.00
48	S	SS Toluene-d8_MS	1.243	1.280	-3.0	96	0.00
65	S	SS 4-BFB_MS	0.472	0.479	-1.5	96	0.00
66	I	1,4-Dichlorobenzene-D4 IS	1.000	1.000	0.0	94	0.00
83	S	SS 1,2-DCB-D4_MS	0.882	0.916	-3.9	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5
SA081111.D 5VID0811.M Tue Aug 30 11:15:25 2011

Evaluate Continuing Calibration Report

Data File : W:\1\DATA\AUG1711\SA081705.D Vial: 5
Acq On : 17 Aug 2011 1:06 pm Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	1.000	1.000	0.0	94	0.00
8		diethyl ether	0.192	0.198	-3.1	96	0.00
9		1,1,2-Trichlorotrifluoroeth	0.237	0.238	-0.4	92	0.00
11		acetone	0.071	0.087	-22.5#	116	0.00
12	CM	1,1-dichloroethene	0.220	0.217	1.4	90	0.00
13		tert-Butyl Alcohol (TBA)	0.015	0.015	0.0	97	0.00
15		methylene chloride	0.249	0.236	5.2	94	0.00
16		carbon disulfide	0.744	0.683	8.2	88	0.00
17		acrylonitrile	0.090	0.097	-7.8	100	0.00
18		Methyl-t-butyl ether (MTBE)	0.524	0.516	1.5	93	0.00
19		trans-1,2-dichloroethene	0.244	0.240	1.6	91	0.00
20		hexane	0.351	0.342	2.6	91	0.00
21		Isopropyl ether (DIPE)	0.924	0.923	0.1	93	0.00
23	P	1,1-dichloroethane	0.478	0.473	1.0	92	0.00
24		Ethyl-t-butyl ether (ETBE)	0.738	0.673	8.8	86	0.00
25		2,2-dichloropropane	0.321	0.228	29.0#	67	0.00
26		cis-1,2-dichloroethene	0.385	0.391	-1.6	94	0.00
27		2-butanone (MEK)	0.110	0.122	-10.9	109	0.00
28		bromochloromethane	0.136	0.138	-1.5	93	0.00
29		Tetrahydrofuran (THF)	0.064	0.066	-3.1	104	0.00
30	C	chloroform	0.450	0.447	0.7	95	0.00
31	S	SS Dibromofluoromethane_MS	0.237	0.239	-0.8	95	0.00
32		1,1,1-trichloroethane	0.364	0.309	15.1	78	0.00
33		carbon tetrachloride	0.289	0.208	28.0#	66	0.00
34		1,1-dichloropropene	0.360	0.360	0.0	91	0.00
35	S	SS 1,2-DCA-d4_MS	0.249	0.268	-7.6	101	0.00
36		tert-amyl methyl ether (TAM	0.576	0.533	7.5	88	0.00
37	M	benzene	1.092	1.098	-0.5	92	0.00
38		1,2-dichloroethane	0.326	0.340	-4.3	97	0.00
39	M	trichloroethene	0.278	0.275	1.1	91	0.00
40	C	1,2-dichloropropane	0.285	0.285	0.0	92	0.00
42		dibromomethane	0.148	0.150	-1.4	96	0.00
43		bromodichloromethane	0.273	0.282	-3.3	86	0.00
45		4-methyl-2-pentanone (MIBK)	0.078	0.082	-5.1	98	0.00
46		cis-1,3-dichloropropene	0.364	0.337	7.4	84	0.00
47	I	Chlorobenzene-D5 IS	1.000	1.000	0.0	92	0.00
48	S	SS Toluene-d8_MS	1.243	1.280	-3.0	95	0.00
49	CM	toluene	1.466	1.503	-2.5	92	0.00
50		trans-1,3-dichloropropene	0.362	0.362	0.0	80	0.00
51		1,1,2-trichloroethane	0.220	0.230	-4.5	96	0.00
52		2-hexanone	0.173	0.203	-17.3	104	0.00
53		tetrachloroethene	0.374	0.369	1.3	88	0.00
54		1,3-dichloropropane	0.446	0.463	-3.8	95	0.00
55		dibromochloromethane	0.255	0.229	10.2	80	0.00
56		1,2-dibromoethane	0.269	0.274	-1.9	92	0.00
57	PM	chlorobenzene	0.981	0.993	-1.2	91	0.00
58		1,1,1,2-tetrachloroethane	0.277	0.254	8.3	77	0.00
59	C	ethylbenzene	1.600	1.714	-7.1	92	0.00
60		mp-xylene	0.635	0.681	-7.2	91	0.00
61		o-xylene	0.631	0.668	-5.9	92	0.00
62		styrene	1.058	1.119	-5.8	92	0.00
63	P	bromoform	0.132	0.107	18.9	74	0.00
64		iso-propylbenzene	1.513	1.589	-5.0	91	0.00
65	S	SS 4-BFB_MS	0.472	0.479	-1.5	93	0.00
66	I	1,4-Dichlorobenzene-D4 IS	1.000	1.000	0.0	91	0.00

67		bromobenzene	0.745	0.754	-1.2	90	0.00
68	P	1,1,2,2-tetrachloroethane	0.555	0.586	-5.6	97	0.00
69		1,2,3-trichloropropane	0.165	0.176	-6.7	96	0.00
70		trans-1,4-dichloro-2-butene	0.096	0.073	24.0#	73	0.00
71		n-propylbenzene	3.405	3.674	-7.9	92	0.00
72		2-chlorotoluene	2.113	2.237	-5.9	93	0.00
73		4-chlorotoluene	2.065	2.182	-5.7	93	0.00
74		1,3,5-trimethylbenzene	2.425	2.608	-7.5	92	0.00
75		tert-butylbenzene	2.106	2.215	-5.2	91	0.00
76		1,2,4-trimethylbenzene	2.479	2.668	-7.6	92	0.00
77		sec-butylbenzene	3.024	3.270	-8.1	92	0.00
78		1,3-dichlorobenzeneV	1.384	1.435	-3.7	91	0.00
79		p-isopropyltoluene	2.535	2.761	-8.9	91	0.00
80		1,4-dichlorobenzeneV	1.376	1.451	-5.5	93	0.00
81		1,2-dichlorobenzeneV	1.270	1.327	-4.5	93	0.00
82		n-butylbenzene	2.180	2.420	-11.0	93	0.00
83	S	SS 1,2-DCB-D4_MS	0.882	0.916	-3.9	95	0.00
84		1,2-dibromo-3-chloropropane	0.096	0.086	10.4	81	0.00
85		1,3,5-trichlorobenzV	0.868	0.893	-2.9	91	0.00
86		1,2,4-trichlorobenzV	0.728	0.756	-3.8	92	0.00
87		hexachlorobutadieneV	0.321	0.348	-8.4	87	0.00
88		naphthaleneV	1.693	1.867	-10.3	97	0.00
89		1,2,3-trichlorobenzV	0.636	0.658	-3.5	93	0.00
90	S	SS 2,5-DBT_MS	0.232	0.208	10.3	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1
SA081113.D 5VID0811.M Tue Aug 30 11:14:15 2011

Volatile Organic Analysis
8260B SIM Initial Calibration
102343

IS/SS ID= V- 3819

Standard ID= V- 3820

LCS/LCSD and/or MS/MSD Standard ID= V- 3728

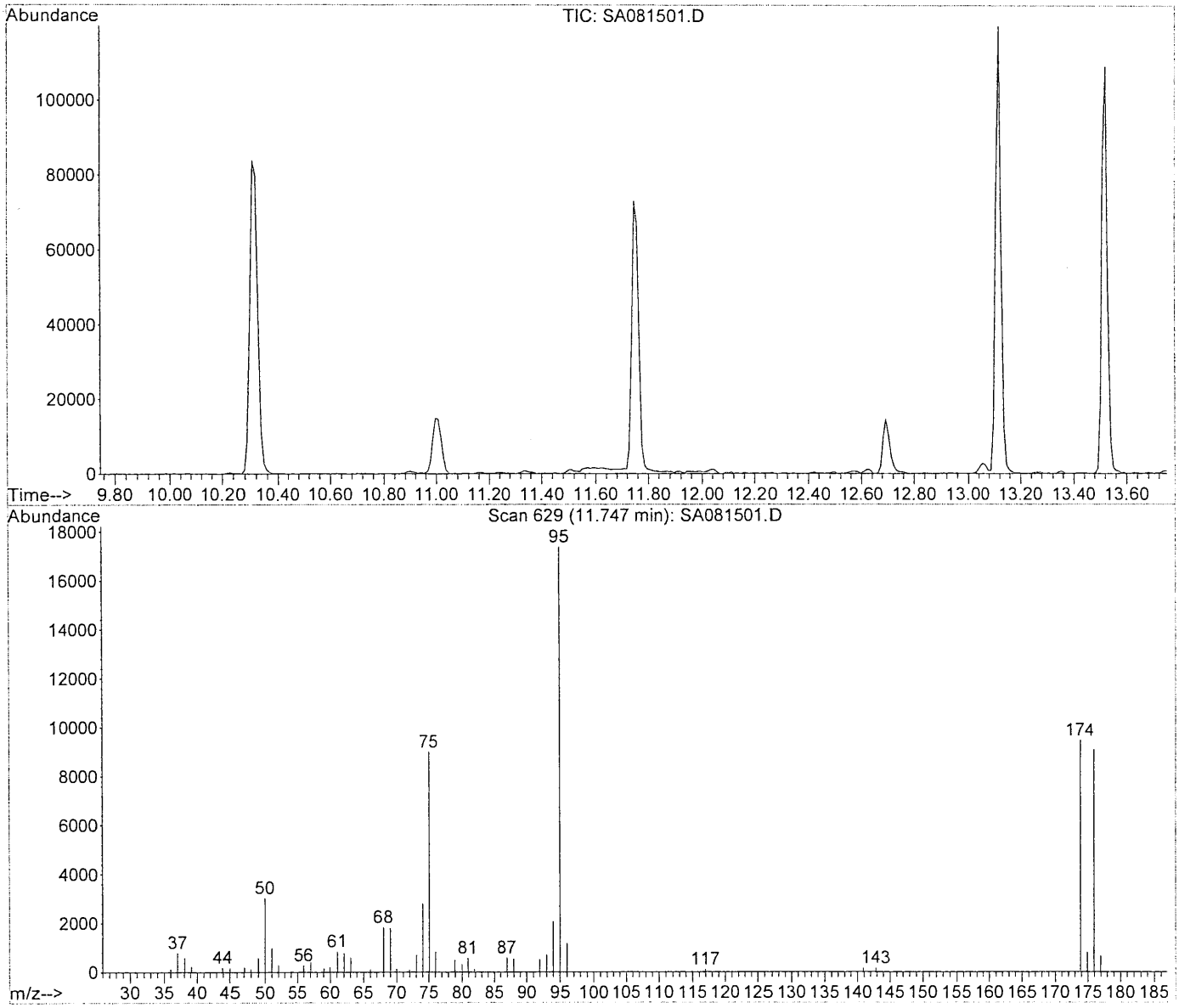
Analyst: VG

Date: 8/15/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	S4D81501	BKR		✓		X1	VOC MS1			
2	2	STD0.25		✓			VOC SIM			
3	3	0.5		✓			VOC			
4	4	1		✓			VOC		Run lost	
5	5	2		✓			VOC			
6	6	5		✓			VOC		NEW ICAL	
7	7	10		✓			VOC		2SIM0815	
8	8	20		✓			VOC			
9	9	50		✓			VOC			
10	10	BLANK		✓			VOC			
11	11	LCS		✓			VOC			
12	12	BKR		✓			VOC MS1			
13	13	STD5		✓			VOC SIM			
14	14	LCS5		✓			VOC			
15	15	LCSD5		✓			VOC			
16	16	BLANK		✓			VOC			
17	17	102192-01		✓			VOC			
18	18	102136-01		✓			VOC			
19	19	02		✓			VOC			
20	20	03		✓			VOC			
21	21	04		✓			VOC			
22	22	05		✓			VOC			
23	23	06		✓			VOC			
24	24	08		✓			VOC			
25	25	09		✓			VOC			
26	26	10		✓			VOC			
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Samples removed from autosampler, order verified by _____ 8/16/11

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081501.D Vial: 1
Acq On : 15 Aug 2011 10:51 am Operator: VG
Sample : BFB Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09



Spectrum Information: Scan 629

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	3036	PASS
75	95	30	60	51.8	8998	PASS
95	95	100	100	100.0	17368	PASS
96	95	5	9	6.8	1184	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	54.4	9444	PASS
175	174	5	9	8.6	808	PASS
176	174	95	101	96.1	9074	PASS
177	176	5	9	7.4	668	PASS

Response Factor Report VOAMS2

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration

Calibration Files
1 =SA052504.D 20 =SA081508.D 10 =SA081507.D
50 =SA081509.D .25 =SA081502.D 5 =SA081506.D

		Compound	1	20	10	50	.25	5	Avg	%RSD
1)	I	Fluorobenzene IS	----------ISTD----------							
2)		1,4-dioxaneV		0.043	0.031	0.044	0.033	0.037	0.038#	13.39
3)	S	SS Toluene-d8_M		0.924	0.912	0.925	0.935	0.920	0.922	0.87
4)	S	SS 4-BFB_MS		0.384	0.382	0.386	0.398	0.382	0.387	1.55

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report VOAMS2

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
Total Cpnds : 4

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene IS	96	6.88	1.000	A	1	A	B
2		1,4-dioxaneV	88	7.72	1.122	A	2	A	B
3	S	SS Toluene-d8_MS	98	8.58	1.247	A	1	A	B
4	S	SS 4-BFB_MS	95	11.76	1.709	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

2SIM0815.M Tue Aug 30 11:09:38 2011

Volatile Organic Analysis
8260B SIM Support Data
102343

VOAMS2 Analysis Run Log

IS/SS ID= V- 3819
Standard ID= V- 3820
LCS/LCSD and/or MS/MSD Standard ID= V- 37720

Analyst: VG

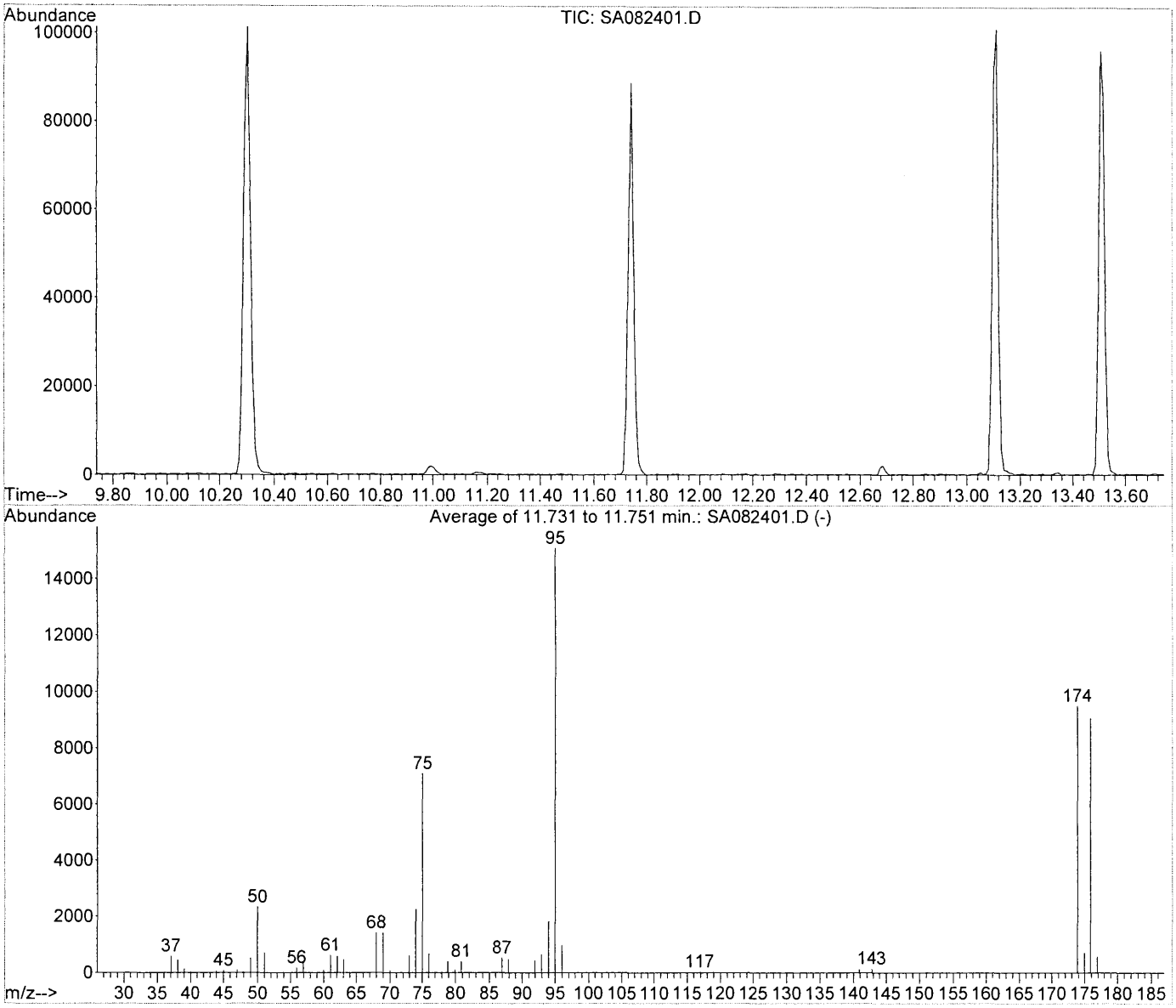
Date: 8/25/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA082501	BFB		✓		x1	VOC MS1			
2	SA082402	STD5		✓		↓	VOC SIM	2SIM085		
3	3	LCS5		✓		↓	VOC			
4	4	LCSD5		✓		↓	VOC			
5	5	Blank		✓		↓	VOC			
6	6	102343.01		✓		↓	VOC			
7	7	02		✓		↓	VOC			
8	8	03		✓		↓	VOC			
9	9	08		✓		↓	VOC			
10	10	09		✓		↓	VOC			
11	11	13		✓		↓	VOC			
12	12	102455.01		✓		↓	VOC			
13	13	03		✓		↓	VOC			
14	14	04		✓		↓	VOC			
15	15	02		✓		x10	VOC			
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Samples removed from autosampler, order verified by ___ 8/25/11

Data File : V:\1\DATA\AUG2411\SA082401.D
Acq On : 24 Aug 2011 9:20 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09

Vial: 1
Operator: VG
Inst : VOAMS2
Multiplr: 1.00



Spectrum Information: Average of 11.731 to 11.751 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.5	2344	PASS
75	95	30	60	47.1	7102	PASS
95	95	100	100	100.0	15092	PASS
96	95	5	9	6.5	976	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	62.9	9492	PASS
175	174	5	9	7.5	713	PASS
176	174	95	101	95.3	9047	PASS
177	176	5	9	6.5	584	PASS

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG2411\SA082401.D
Tune Time : 24 Aug 2011 9:20 am

Daily Calibration File : V:\1\DATA\AUG2411\SA082402.D

File	Sample	Surrogate Recovery %		Internal Standard Responses
				157272
SA082402.D	STD5	91	101	157272
SA082403.D	LCS5	99	87	156814
SA082404.D	LCSD5	85	86	166523
SA082405.D	BLANK	101	92	151530
SA082406.D	102343.01	86	97	154618
SA082407.D	102343.02	103	90	148484
SA082408.D	102343.03	97	93	149651
SA082409.D	102343.08	88	84	166852
SA082410.D	102343.09	87	89	163741
SA082411.D	102343.13	89	87	152666
SA082412.D	102455.01	99	90	152072
SA082413.D	102455.03	95	93	151542
SA082414.D	102455.04	86	88	152273
SA082415.D	102455.02	103	98	145964

t - fails 12hr time check * - fails criteria

Created: Thu Aug 25 08:25:48 2011 VOAMS2

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG2411\SA082402.D Vial: 2
Acq On : 24 Aug 2011 10:08 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	103	-0.01
2		1,4-dioxaneV	5.000	4.000	20.0	86	-0.02
3	S	SS Toluene-d8_MS	10.000	9.122	8.8	94	0.00
4	S	SS 4-BFB_MS	10.000	10.134	-1.3	106	-0.01

Metals Analysis
Internal Standard Summary
102343

eastern analytical, inc.
professional laboratory services

Internal Standard Summary
EAI SDG 102343

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 1	Wednesday, August 24, 2011 16:50:25	101	101	101	100
QC Std 2	Wednesday, August 24, 2011 16:57:34	101	102	103	103
QC Std 3	Wednesday, August 24, 2011 17:04:43	98	99	98	98
QC Std 5	Wednesday, August 24, 2011 17:11:51	98	98	100	99
QC Std 6	Wednesday, August 24, 2011 17:19:00	102	100	99	99
LLCS	Wednesday, August 24, 2011 17:45:45	102	100	102	99
ICSA	Wednesday, August 24, 2011 17:52:25	97	101	97	97
ICSAB	Wednesday, August 24, 2011 17:59:05	98	105	100	99
5ppm LRC-flush	Wednesday, August 24, 2011 18:05:45	95	93	93	96
QC Std 1	Wednesday, August 24, 2011 18:39:09	95	96	95	97
QC Std 2	Wednesday, August 24, 2011 18:46:19	97	96	96	97
QC Std 5	Wednesday, August 24, 2011 18:53:27	97	97	98	99
QC Std 6	Wednesday, August 24, 2011 19:00:36	98	96	94	96
BLK	Wednesday, August 24, 2011 19:14:25	99	96	98	97
BLK	Wednesday, August 24, 2011 19:21:04	97	96	97	97
Ag LCS	Wednesday, August 24, 2011 19:27:44	100	98	99	98
Ag LCS	Wednesday, August 24, 2011 19:34:22	96	95	97	97
LCS	Wednesday, August 24, 2011 19:41:02	94	93	92	95
LCS	Wednesday, August 24, 2011 19:47:42	94	95	95	96
QC Std 1	Wednesday, August 24, 2011 20:14:25	99	97	99	100
QC Std 2	Wednesday, August 24, 2011 20:21:35	99	96	96	98
QC Std 5	Wednesday, August 24, 2011 20:28:44	100	96	99	100
QC Std 6	Wednesday, August 24, 2011 20:35:53	96	95	93	95
102343.01	Wednesday, August 24, 2011 20:43:03	125	98	95	97
102343.02	Wednesday, August 24, 2011 20:49:44	113	100	95	98
102343.03	Wednesday, August 24, 2011 20:56:24	109	97	96	98
102343.04	Wednesday, August 24, 2011 21:03:03	117	94	93	98
102343.05	Wednesday, August 24, 2011 21:09:43	106	92	94	98
102343.06	Wednesday, August 24, 2011 21:16:23	133	98	97	98
102343.07	Wednesday, August 24, 2011 21:23:02	113	99	96	97
102343.08	Wednesday, August 24, 2011 21:29:42	97	95	95	95
102343.09	Wednesday, August 24, 2011 21:36:22	112	94	97	95
102343.1	Wednesday, August 24, 2011 21:43:02	117	97	96	97
QC Std 1	Wednesday, August 24, 2011 21:49:43	97	95	97	96
QC Std 2	Wednesday, August 24, 2011 21:56:53	100	98	97	98
QC Std 5	Wednesday, August 24, 2011 22:04:01	97	94	96	97
QC Std 6	Wednesday, August 24, 2011 22:11:10	99	99	98	97
102343.10 MS	Wednesday, August 24, 2011 22:18:20	120	100	97	99
102343.10 MSD	Wednesday, August 24, 2011 22:25:02	117	97	97	97
102343.11	Wednesday, August 24, 2011 22:51:44	116	99	100	100
102455.01	Wednesday, August 24, 2011 22:58:24	125	99	97	99
102455.02	Wednesday, August 24, 2011 23:05:04	122	93	95	98
102455.03	Wednesday, August 24, 2011 23:11:45	137	103	98	101
102455.04	Wednesday, August 24, 2011 23:18:30	123	100	101	99
QC Std 1	Wednesday, August 24, 2011 23:25:10	99	100	99	100
QC Std 2	Wednesday, August 24, 2011 23:32:20	102	100	101	101
QC Std 5	Wednesday, August 24, 2011 23:39:28	97	97	96	96
QC Std 6	Wednesday, August 24, 2011 23:46:37	101	100	100	100
102455.05	Wednesday, August 24, 2011 23:53:52	120	96	96	99
102455.05 MS	Thursday, August 25, 2011 00:00:38	116	95	92	98
102455.05 MSD	Thursday, August 25, 2011 00:07:23	116	95	94	99
102455.06	Thursday, August 25, 2011 00:34:28	126	97	99	104
102455.07	Thursday, August 25, 2011 00:41:13	126	104	106	106

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Internal Standard Summary
EAI SDG 102343

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
102455.08	Thursday, August 25, 2011 00:47:59	126	102	102	103
102455.09	Thursday, August 25, 2011 00:54:45	115	103	104	104
QC Std 1	Thursday, August 25, 2011 01:01:26	97	96	98	97
QC Std 2	Thursday, August 25, 2011 01:08:35	102	99	101	99
QC Std 5	Thursday, August 25, 2011 01:15:44	98	99	98	98
QC Std 6	Thursday, August 25, 2011 01:22:53	98	97	97	95
102455.1	Thursday, August 25, 2011 01:30:08	118	97	97	98
102455.11	Thursday, August 25, 2011 01:36:54	105	96	97	96
102455.12	Thursday, August 25, 2011 01:43:39	120	94	97	100
102455.13	Thursday, August 25, 2011 01:50:24	118	99	100	100
102455.14	Thursday, August 25, 2011 01:57:10	99	98	102	99
102455.15	Thursday, August 25, 2011 02:03:56	129	99	96	100
102455.15 MS	Thursday, August 25, 2011 02:10:43	119	96	96	97
102455.15 MSD	Thursday, August 25, 2011 02:17:29	120	96	95	98
QC Std 1	Thursday, August 25, 2011 02:37:42	102	100	103	101
QC Std 2	Thursday, August 25, 2011 02:44:52	100	101	103	101
QC Std 5	Thursday, August 25, 2011 02:52:01	101	98	100	100
QC Std 6	Thursday, August 25, 2011 02:59:10	104	101	103	103
102455.16	Thursday, August 25, 2011 03:13:11	116	93	96	99
102455.17	Thursday, August 25, 2011 03:19:57	103	88	93	101
102455.18	Thursday, August 25, 2011 03:26:43	114	99	104	107
102455.19	Thursday, August 25, 2011 03:33:29	118	99	103	101
102343.02	Thursday, August 25, 2011 03:47:00	113	101	103	103
102343.03	Thursday, August 25, 2011 03:53:46	112	100	100	99
102343.04	Thursday, August 25, 2011 04:00:33	118	96	99	101
102343.05	Thursday, August 25, 2011 04:07:19	104	93	99	100
QC Std 1	Thursday, August 25, 2011 04:14:00	98	97	103	105
QC Std 2	Thursday, August 25, 2011 04:21:10	101	98	102	103
QC Std 5	Thursday, August 25, 2011 04:28:18	101	99	102	102
QC Std 6	Thursday, August 25, 2011 04:35:27	104	102	106	104
102343.06	Thursday, August 25, 2011 04:42:43	102	102	106	106
102343.06 MS	Thursday, August 25, 2011 04:49:29	101	99	97	100
102343.06 MSD	Thursday, August 25, 2011 04:56:15	101	99	100	100
102343.07	Thursday, August 25, 2011 05:23:20	113	101	103	0
102343.08	Thursday, August 25, 2011 05:30:07	100	102	105	101
102343.09	Thursday, August 25, 2011 05:36:53	114	100	102	100
102343.1	Thursday, August 25, 2011 05:43:39	124	103	104	101
QC Std 1	Thursday, August 25, 2011 05:50:22	102	99	104	101
QC Std 2	Thursday, August 25, 2011 05:57:32	103	101	104	103
QC Std 5	Thursday, August 25, 2011 06:04:41	103	102	103	100
QC Std 6	Thursday, August 25, 2011 06:11:49	104	101	101	100
102343.11	Thursday, August 25, 2011 06:19:05	114	102	104	102
102455.01	Thursday, August 25, 2011 06:25:52	128	104	103	105
102455.02	Thursday, August 25, 2011 06:32:38	123	94	101	103
102455.03	Thursday, August 25, 2011 06:39:25	139	106	103	104
102455.04	Thursday, August 25, 2011 06:46:12	131	104	108	105
102455.05	Thursday, August 25, 2011 06:52:59	125	98	104	104
102455.05 MS	Thursday, August 25, 2011 06:59:46	116	95	99	102
102455.05 MSD	Thursday, August 25, 2011 07:06:33	116	95	99	103
QC Std 1	Thursday, August 25, 2011 07:26:48	101	101	108	105
QC Std 2	Thursday, August 25, 2011 07:33:57	106	102	110	107
QC Std 5	Thursday, August 25, 2011 07:41:06	102	100	105	101
QC Std 6	Thursday, August 25, 2011 07:48:15	100	100	105	102

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Internal Standard Summary
EAI SDG 102343

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
102455.06	Thursday, August 25, 2011 08:02:18	124	99	101	107
102455.07	Thursday, August 25, 2011 08:09:05	124	102	108	105
102455.08	Thursday, August 25, 2011 08:15:52	121	102	105	104
102455.09	Thursday, August 25, 2011 08:22:39	118	103	105	102
102455.11	Thursday, August 25, 2011 08:29:26	115	103	107	102
102455.12	Thursday, August 25, 2011 08:36:13	123	97	101	101
102455.13	Thursday, August 25, 2011 08:43:01	121	103	107	103
102455.14	Thursday, August 25, 2011 08:49:48	101	103	106	102
102455.15	Thursday, August 25, 2011 08:56:35	132	102	104	104
QC Std 1	Thursday, August 25, 2011 09:03:17	106	104	111	107
QC Std 2	Thursday, August 25, 2011 09:10:26	104	103	107	104
QC Std 5	Thursday, August 25, 2011 09:17:35	105	102	108	103
QC Std 6	Thursday, August 25, 2011 09:24:44	107	103	106	105
102455.18	Thursday, August 25, 2011 09:32:00	118	105	105	104
102455.18 MS	Thursday, August 25, 2011 09:38:47	120	101	101	101
102455.18 MSD	Thursday, August 25, 2011 09:45:34	121	102	104	102
102455.19	Thursday, August 25, 2011 10:12:43	119	104	107	104
102343.10 MS	Thursday, August 25, 2011 10:19:31	124	100	103	99
102343.10 MSD	Thursday, August 25, 2011 10:26:18	123	103	103	99
102455.05 MS	Thursday, August 25, 2011 10:33:06	121	97	99	99
102455.05 MSD	Thursday, August 25, 2011 10:39:53	122	98	100	100
QC Std 1	Thursday, August 25, 2011 11:06:57	105	104	110	106
QC Std 2	Thursday, August 25, 2011 11:14:06	107	104	111	106
QC Std 5	Thursday, August 25, 2011 11:21:15	105	103	110	106
QC Std 6	Thursday, August 25, 2011 11:28:24	104	102	106	103
TCLP Filter Blank	Thursday, August 25, 2011 11:42:23	103	102	107	104
102530.01	Thursday, August 25, 2011 11:49:10	106	104	111	104
102530.01	Thursday, August 25, 2011 11:55:57	98	95	103	104
102525.01	Thursday, August 25, 2011 12:02:45	103	100	109	107
102525.01	Thursday, August 25, 2011 12:09:32	101	96	103	103
102343.05	Thursday, August 25, 2011 12:23:08	104	100	106	106
102455.02	Thursday, August 25, 2011 12:29:56	108	101	106	103
102455.12	Thursday, August 25, 2011 12:36:46	105	99	105	103
102455.16	Thursday, August 25, 2011 12:43:34	108	102	108	104
102455.17	Thursday, August 25, 2011 12:50:22	106	101	107	105
QC Std 1	Thursday, August 25, 2011 12:57:04	103	102	109	105
QC Std 2	Thursday, August 25, 2011 13:04:13	105	101	107	107
QC Std 5	Thursday, August 25, 2011 13:11:22	103	101	107	106
QC Std 6	Thursday, August 25, 2011 13:18:31	103	100	106	103
102343.08	Thursday, August 25, 2011 13:32:34	98	103	105	104
102455.14	Thursday, August 25, 2011 13:39:21	101	99	104	104
102343.01	Thursday, August 25, 2011 13:46:09	120	103	107	106
102343.04	Thursday, August 25, 2011 13:52:57	110	97	103	105
102455.05	Thursday, August 25, 2011 13:59:46	110	95	100	104
102455.01	Thursday, August 25, 2011 14:06:34	109	98	105	106
102455.03	Thursday, August 25, 2011 14:13:22	120	102	105	107
102455.04	Thursday, August 25, 2011 14:20:10	117	103	109	107
102455.15	Thursday, August 25, 2011 14:26:58	118	100	105	105
QC Std 1	Thursday, August 25, 2011 14:33:40	100	101	108	105
QC Std 2	Thursday, August 25, 2011 14:40:50	104	101	107	105
QC Std 5	Thursday, August 25, 2011 14:47:58	103	102	107	104
QC Std 6	Thursday, August 25, 2011 14:55:07	101	101	106	105

Metals Analysis
Blank Summary
102343

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Blank Summary
EAI SDG 102343
Total & Dissolved Metals

Sample ID:	**QC Std 1**	**Sample ID:**	**QC Std 1**
Sample Date/Time:	**Wednesday, August 24, 2011 16:50:25**	**Sample Date/Time:**	**Wednesday, August 24, 2011 18:39:09**
Sample Description:	**Blank**	**Sample Description:**	**Blank**

Concentration Results				Int Std	Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R	Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L		Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L		Ag	109	< 1	ug/L	
Al	27	< 50	ug/L		Al	27	< 50	ug/L	
As	75	< 1	ug/L		As	75	< 1	ug/L	
Ba	137	< 1	ug/L		Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L		Ba	138	< 1	ug/L	
Be	9	< 1	ug/L		Be	9	< 1	ug/L	
Ca	44	< 50	ug/L		Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L		Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L		Cd	114	< 1	ug/L	
Co	59	< 1	ug/L		Co	59	< 1	ug/L	
Cr	52	< 1	ug/L		Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L		Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L		Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L		Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L		Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L		Fe	57	< 50	ug/L	
Ge	72		ug/L	101.358	Ge	72		ug/L	95.969
Hg	200	< 0.2	ug/L		Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L		Hg	202	< 0.2	ug/L	
Ho	165		ug/L	100.217	Ho	165		ug/L	97.469
In	115		ug/L	101.288	In	115		ug/L	94.942
K	39	< 50	ug/L		K	39	< 50	ug/L	
Mg	24	< 50	ug/L		Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L		Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L		Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L		Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L		Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L		Ni	62	< 1	ug/L	
P	31	< 50	ug/L		P	31	< 50	ug/L	
Pb	208	< 1	ug/L		Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L		Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L		Sb	123	< 1	ug/L	
Sc	45		ug/L	100.591	Sc	45		ug/L	95.32
Se	77	< 1	mg/L		Se	77	< 1	mg/L	
Se	78	< 1	mg/L		Se	78	< 1	mg/L	
Se	82	< 1	mg/L		Se	82	< 1	mg/L	
Tl	205	< 1	ug/L		Tl	205	< 1	ug/L	
V	51	< 1	ug/L		V	51	< 1	ug/L	
Zn	64	< 5	ug/L		Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L		Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L		Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102343
Total & Dissolved Metals

Sample ID:	**QC Std 1**	**Sample ID:**	**QC Std 1**
Sample Date/Time:	**Wednesday, August 24, 2011 20:14:25**	**Sample Date/Time:**	**Wednesday, August 24, 2011 21:49:43**
Sample Description:	**Blank**	**Sample Description:**	**Blank**

Concentration Results				Int Std	Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R	Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L		Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L		Ag	109	< 1	ug/L	
Al	27	< 50	ug/L		Al	27	< 50	ug/L	
As	75	< 1	ug/L		As	75	< 1	ug/L	
Ba	137	< 1	ug/L		Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L		Ba	138	< 1	ug/L	
Be	9	< 1	ug/L		Be	9	< 1	ug/L	
Ca	44	< 50	ug/L		Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L		Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L		Cd	114	< 1	ug/L	
Co	59	< 1	ug/L		Co	59	< 1	ug/L	
Cr	52	< 1	ug/L		Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L		Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L		Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L		Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L		Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L		Fe	57	< 50	ug/L	
Ge	72		ug/L	96.916	Ge	72		ug/L	95.317
Hg	200	< 0.2	ug/L		Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L		Hg	202	< 0.2	ug/L	
Ho	165		ug/L	100.035	Ho	165		ug/L	96.435
In	115		ug/L	98.858	In	115		ug/L	96.937
K	39	< 50	ug/L		K	39	< 50	ug/L	
Mg	24	< 50	ug/L		Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L		Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L		Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L		Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L		Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L		Ni	62	< 1	ug/L	
P	31	< 50	ug/L		P	31	< 50	ug/L	
Pb	208	< 1	ug/L		Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L		Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L		Sb	123	< 1	ug/L	
Sc	45		ug/L	98.768	Sc	45		ug/L	97.001
Se	77	< 1	mg/L		Se	77	< 1	mg/L	
Se	78	< 1	mg/L		Se	78	< 1	mg/L	
Se	82	< 1	mg/L		Se	82	< 1	mg/L	
Tl	205	< 1	ug/L		Tl	205	< 1	ug/L	
V	51	< 1	ug/L		V	51	< 1	ug/L	
Zn	64	< 5	ug/L		Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L		Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L		Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102343
Total & Dissolved Metals

Sample ID:	**QC Std 1**	**Sample ID:**	**QC Std 1**
Sample Date/Time:	**Wednesday, August 24, 2011 23:25:10**	**Sample Date/Time:**	**Thursday, August 25, 2011 01:01:26**
Sample Description:	**Blank**	**Sample Description:**	**Blank**

Concentration Results				Int Std	Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R	Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L		Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L		Ag	109	< 1	ug/L	
Al	27	< 50	ug/L		Al	27	< 50	ug/L	
As	75	< 1	ug/L		As	75	< 1	ug/L	
Ba	137	< 1	ug/L		Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L		Ba	138	< 1	ug/L	
Be	9	< 1	ug/L		Be	9	< 1	ug/L	
Ca	44	< 50	ug/L		Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L		Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L		Cd	114	< 1	ug/L	
Co	59	< 1	ug/L		Co	59	< 1	ug/L	
Cr	52	< 1	ug/L		Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L		Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L		Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L		Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L		Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L		Fe	57	< 50	ug/L	
Ge	72		ug/L	100.34	Ge	72		ug/L	96.217
Hg	200	< 0.2	ug/L		Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L		Hg	202	< 0.2	ug/L	
Ho	165		ug/L	100.422	Ho	165		ug/L	96.859
In	115		ug/L	98.598	In	115		ug/L	98.283
K	39	< 50	ug/L		K	39	< 50	ug/L	
Mg	24	< 50	ug/L		Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L		Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L		Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L		Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L		Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L		Ni	62	< 1	ug/L	
P	31	< 50	ug/L		P	31	< 50	ug/L	
Pb	208	< 1	ug/L		Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L		Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L		Sb	123	< 1	ug/L	
Sc	45		ug/L	99.078	Sc	45		ug/L	97.311
Se	77	< 1	mg/L		Se	77	< 1	mg/L	
Se	78	< 1	mg/L		Se	78	< 1	mg/L	
Se	82	< 1	mg/L		Se	82	< 1	mg/L	
Tl	205	< 1	ug/L		Tl	205	< 1	ug/L	
V	51	< 1	ug/L		V	51	< 1	ug/L	
Zn	64	< 5	ug/L		Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L		Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L		Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102343
Total & Dissolved Metals

Sample ID:	**QC Std 1**
Sample Date/Time:	**Thursday, August 25, 2011 02:37:42**
Sample Description:	**Blank**

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	100.061
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	101.343
In	115		ug/L	102.564
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	1.009626	ug/L	
Sb	123	1.008279	ug/L	
Sc	45		ug/L	101.707
Se	77	< 1	mg/L	
Se	78	1.162658	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID:	**QC Std 1**
Sample Date/Time:	**Thursday, August 25, 2011 04:14:00**
Sample Description:	**Blank**

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	96.578
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	104.952
In	115		ug/L	103.192
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	98.477
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102343
Total & Dissolved Metals

Sample ID:	**QC Std 1**
Sample Date/Time:	**Thursday, August 25, 2011 05:50:22**
Sample Description:	**Blank**

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	98.906
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	101.351
In	115		ug/L	103.816
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	102.361
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID:	**QC Std 1**
Sample Date/Time:	**Thursday, August 25, 2011 07:26:48**
Sample Description:	**Blank**

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	1.441356	ug/L	
Ag	109	1.443018	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	101.082
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	104.944
In	115		ug/L	108.015
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	1.294405	ug/L	
Sb	123	1.290113	ug/L	
Sc	45		ug/L	101.114
Se	77	< 1	mg/L	
Se	78	3.948275	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102343
Total & Dissolved Metals

Sample ID:	**QC Std 1**
Sample Date/Time:	**Thursday, August 25, 2011 09:03:17**
Sample Description:	**Blank**

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	61.496376	ug/L	
Fe	56	65.777291	ug/L	
Fe	57	50.151602	ug/L	
Ge	72		ug/L	103.62
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	106.575
In	115		ug/L	110.826
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	106.28
Se	77	< 1	mg/L	
Se	78	4.124407	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID:	**QC Std 1**
Sample Date/Time:	**Thursday, August 25, 2011 11:06:57**
Sample Description:	**Blank**

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	104.105
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	106.308
In	115		ug/L	109.921
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	105.136
Se	77	< 1	mg/L	
Se	78	5.153439	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102343
Total & Dissolved Metals

Sample ID:	**QC Std 1**
Sample Date/Time:	**Thursday, August 25, 2011 12:57:04**
Sample Description:	**Blank**

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	101.903
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	105.312
In	115		ug/L	108.846
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	102.632
Se	77	< 1	mg/L	
Se	78	2.549145	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID:	**QC Std 1**
Sample Date/Time:	**Thursday, August 25, 2011 14:33:40**
Sample Description:	**Blank**

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	100.76
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	105.194
In	115		ug/L	108.312
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	100.324
Se	77	< 1	mg/L	
Se	78	3.079174	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Metals Analysis
CV Summary
102343

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 24, 2011 16:57:34
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	104.240988	ug/L	104.87		100
Ba	137	99.744977	ug/L	99.05		100
Ba	138	96.209158	ug/L	95.54		100
Be	9	101.846283	ug/L	100.84		100
Cd	111	99.784054	ug/L	99.29		100
Cd	114	99.39524	ug/L	98.90		100
Co	59	99.241043	ug/L	98.65		100
Cr	52	98.620186	ug/L	97.64		100
Cu	63	98.322563	ug/L	98.42		100
Cu	65	101.363297	ug/L	101.47		100
Ge	72		ug/L		102.48	
Hg	200	0.992936	ug/L	99.29		1
Hg	202	0.978437	ug/L	97.84		1
Ho	165		ug/L		102.73	
In	115		ug/L		103.02	
Mn	55	97.922407	ug/L	97.53		100
Ni	60	94.664653	ug/L	93.91		100
Ni	62	93.841656	ug/L	93.10		100
Pb	208	98.942993	ug/L	98.94		100
Sb	121	93.951252	ug/L	93.67		100
Sb	123	93.604293	ug/L	93.32		100
Sc	45		ug/L		100.56	
Se	77	102.454155	mg/L	102.25		100
Se	78	104.333833	mg/L	104.13		100
Se	82	100.424942	mg/L	100.22		100
Tl	205	99.690678	ug/L	99.69		100
V	51	98.283579	ug/L	97.89		100
Zn	64	95.117977	ug/L	94.46		100
Zn	66	95.652123	ug/L	94.99		100
Zn	68	96.837002	ug/L	96.16		100

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 24, 2011 18:46:19
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	109.576455	ug/L	110.24		100
Ba	137	105.154199	ug/L	104.42		100
Ba	138	102.178341	ug/L	101.47		100
Be	9	100.778669	ug/L	99.78		100
Cd	111	103.8778	ug/L	103.36		100
Cd	114	103.721844	ug/L	103.21		100
Co	59	100.544486	ug/L	99.95		100
Cr	52	100.353661	ug/L	99.36		100
Cu	63	100.060823	ug/L	100.16		100
Cu	65	101.218903	ug/L	101.32		100
Ge	72		ug/L		96.08	
Hg	200	1.047565	ug/L	104.76		1
Hg	202	1.04739	ug/L	104.74		1
Ho	165		ug/L		96.56	
In	115		ug/L		95.58	
Mn	55	101.03136	ug/L	100.63		100
Ni	60	94.951921	ug/L	94.20		100
Ni	62	94.445151	ug/L	93.70		100
Pb	208	103.150146	ug/L	103.15		100
Sb	121	100.15738	ug/L	99.86		100
Sb	123	99.991725	ug/L	99.69		100
Sc	45		ug/L		96.84	
Se	77	96.654332	mg/L	96.46		100
Se	78	98.351871	mg/L	98.16		100
Se	82	96.827627	mg/L	96.63		100
Tl	205	104.037431	ug/L	104.04		100
V	51	99.437114	ug/L	99.04		100
Zn	64	96.835333	ug/L	96.16		100
Zn	66	98.191358	ug/L	97.51		100
Zn	68	96.985631	ug/L	96.31		100

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 24, 2011 17:11:51
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	51.94712	ug/L	103.28		50.3
Ag	109	51.964171	ug/L	103.31		50.3
Ge	72		ug/L		98.27	
Ho	165		ug/L		99.17	
In	115		ug/L		99.90	
Sc	45		ug/L		97.76	

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 24, 2011 18:53:27
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	51.246986	ug/L	101.88		50.3
Ag	109	50.717578	ug/L	100.83		50.3
Ge	72		ug/L		96.97	
Ho	165		ug/L		98.68	
In	115		ug/L		97.88	
Sc	45		ug/L		96.93	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 24, 2011 17:19:00
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	9918.23248	ug/L	99.18		1000
Ca	44	9649.69141	ug/L	96.50		1000
Fe	54	9807.53941	ug/L	98.08		1000
Fe	56	9773.51857	ug/L	97.74		1000
Fe	57	10062.1384	ug/L	100.62		1000
Ge	72		ug/L		99.65	
Ho	165		ug/L		98.68	
In	115		ug/L		99.05	
K	39	9963.63314	ug/L	99.64		1000
Mg	24	9839.9235	ug/L	98.40		1000
Mg	25	9835.92111	ug/L	98.36		1000
Na	23	9953.47195	ug/L	99.54		1000
P	31	9532.93851	ug/L	95.33		1000
Sc	45		ug/L		102.39	

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 24, 2011 19:00:36
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	10096.4272	ug/L	100.96		1000
Ca	44	9785.96069	ug/L	97.86		1000
Fe	54	9973.30081	ug/L	99.73		1000
Fe	56	9996.64165	ug/L	99.97		1000
Fe	57	9995.39399	ug/L	99.95		1000
Ge	72		ug/L		95.59	
Ho	165		ug/L		96.19	
In	115		ug/L		93.91	
K	39	10091.794	ug/L	100.92		1000
Mg	24	10148.9644	ug/L	101.49		1000
Mg	25	9988.00628	ug/L	99.88		1000
Na	23	9981.29332	ug/L	99.81		1000
P	31	9627.65032	ug/L	96.28		1000
Sc	45		ug/L		98.13	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 24, 2011 20:21:35
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	109.379726	ug/L	110.04		100
Ba	137	104.724052	ug/L	104.00		100
Ba	138	101.885443	ug/L	101.18		100
Be	9	101.047053	ug/L	100.05		100
Cd	111	104.351526	ug/L	103.83		100
Cd	114	104.214629	ug/L	103.70		100
Co	59	97.448173	ug/L	96.87		100
Cr	52	97.963126	ug/L	96.99		100
Cu	63	96.957465	ug/L	97.06		100
Cu	65	97.258993	ug/L	97.36		100
Ge	72		ug/L		95.79	
Hg	200	1.056937	ug/L	105.69		1
Hg	202	1.048703	ug/L	104.87		1
Ho	165		ug/L		97.87	
In	115		ug/L		96.42	
Mn	55	96.880956	ug/L	96.50		100
Ni	60	92.684367	ug/L	91.95		100
Ni	62	91.553268	ug/L	90.83		100
Pb	208	103.296917	ug/L	103.30		100
Sb	121	98.334819	ug/L	98.04		100
Sb	123	99.254379	ug/L	98.96		100
Sc	45		ug/L		98.55	
Se	77	96.961253	mg/L	96.77		100
Se	78	97.590949	mg/L	97.40		100
Se	82	98.064238	mg/L	97.87		100
Tl	205	104.602243	ug/L	104.60		100
V	51	97.042212	ug/L	96.66		100
Zn	64	94.537871	ug/L	93.88		100
Zn	66	94.159956	ug/L	93.51		100
Zn	68	94.345357	ug/L	93.69		100

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 24, 2011 21:56:53
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	109.975134	ug/L	110.64		100
Ba	137	105.000622	ug/L	104.27		100
Ba	138	103.692767	ug/L	102.97		100
Be	9	99.012849	ug/L	98.03		100
Cd	111	106.449504	ug/L	105.92		100
Cd	114	105.096217	ug/L	104.57		100
Co	59	100.145947	ug/L	99.55		100
Cr	52	99.270953	ug/L	98.29		100
Cu	63	99.954009	ug/L	100.05		100
Cu	65	100.670282	ug/L	100.77		100
Ge	72		ug/L		98.01	
Hg	200	1.034017	ug/L	103.40		1
Hg	202	1.042468	ug/L	104.25		1
Ho	165		ug/L		97.94	
In	115		ug/L		96.76	
Mn	55	98.431479	ug/L	98.04		100
Ni	60	94.698997	ug/L	93.95		100
Ni	62	94.164357	ug/L	93.42		100
Pb	208	104.18896	ug/L	104.19		100
Sb	121	99.403367	ug/L	99.11		100
Sb	123	100.162373	ug/L	99.86		100
Sc	45		ug/L		100.04	
Se	77	97.659733	mg/L	97.47		100
Se	78	102.161538	mg/L	101.96		100
Se	82	100.253304	mg/L	100.05		100
Tl	205	106.781509	ug/L	106.78		100
V	51	98.775893	ug/L	98.38		100
Zn	64	96.028561	ug/L	95.36		100
Zn	66	96.368883	ug/L	95.70		100
Zn	68	95.444093	ug/L	94.78		100

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 24, 2011 20:28:44
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	49.246694	ug/L	97.91		50.3
Ag	109	49.755556	ug/L	98.92		50.3
Ge	72		ug/L		95.92	
Ho	165		ug/L		99.58	
In	115		ug/L		99.03	
Sc	45		ug/L		99.92	

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 24, 2011 22:04:01
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	52.670039	ug/L	104.71		50.3
Ag	109	52.234096	ug/L	103.85		50.3
Ge	72		ug/L		94.41	
Ho	165		ug/L		96.74	
In	115		ug/L		96.31	
Sc	45		ug/L		96.86	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID:	**QC Std 6**	**Sample ID:**	**QC Std 6**
Sample Date/Time:	**Wednesday, August 24, 2011 20:35:53**	**Sample Date/Time:**	**Wednesday, August 24, 2011 22:11:10**
Sample Description:	**CV-Minerals**	**Sample Description:**	**CV-Minerals**

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	10412.563	ug/L	104.13		1000
Ca	44	9825.53026	ug/L	98.26		1000
Fe	54	10069.7367	ug/L	100.70		1000
Fe	56	10189.5645	ug/L	101.90		1000
Fe	57	10341.0702	ug/L	103.41		1000
Ge	72		ug/L		94.68	
Ho	165		ug/L		95.23	
In	115		ug/L		93.28	
K	39	10074.9714	ug/L	100.75		1000
Mg	24	10303.3683	ug/L	103.03		1000
Mg	25	10394.0884	ug/L	103.94		1000
Na	23	10164.803	ug/L	101.65		1000
P	31	9936.28365	ug/L	99.36		1000
Sc	45		ug/L		96.40	

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	10205.4375	ug/L	102.05		1000
Ca	44	9896.22428	ug/L	98.96		1000
Fe	54	9865.44408	ug/L	98.65		1000
Fe	56	10389.1101	ug/L	103.89		1000
Fe	57	10263.8764	ug/L	102.64		1000
Ge	72		ug/L		98.80	
Ho	165		ug/L		96.74	
In	115		ug/L		97.74	
K	39	10358.4353	ug/L	103.58		1000
Mg	24	10354.4619	ug/L	103.55		1000
Mg	25	10145.514	ug/L	101.46		1000
Na	23	10374.2855	ug/L	103.74		1000
P	31	10063.4258	ug/L	100.63		1000
Sc	45		ug/L		99.05	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 24, 2011 23:32:20
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	106.661032	ug/L	107.31		100
Ba	137	102.312885	ug/L	101.60		100
Ba	138	101.914656	ug/L	101.21		100
Be	9	93.915187	ug/L	92.99		100
Cd	111	102.533036	ug/L	102.02		100
Cd	114	102.154921	ug/L	101.65		100
Co	59	99.833803	ug/L	99.24		100
Cr	52	100.056333	ug/L	99.07		100
Cu	63	98.500472	ug/L	98.60		100
Cu	65	100.692023	ug/L	100.79		100
Ge	72		ug/L		100.34	
Hg	200	1.005956	ug/L	100.60		1
Hg	202	1.00006	ug/L	100.01		1
Ho	165		ug/L		101.36	
In	115		ug/L		101.36	
Mn	55	98.964705	ug/L	98.57		100
Ni	60	94.768934	ug/L	94.02		100
Ni	62	94.652086	ug/L	93.90		100
Pb	208	101.310785	ug/L	101.31		100
Sb	121	96.341203	ug/L	96.05		100
Sb	123	96.518072	ug/L	96.23		100
Sc	45		ug/L		101.83	
Se	77	100.591362	mg/L	100.39		100
Se	78	101.695344	mg/L	101.49		100
Se	82	100.445768	mg/L	100.25		100
Tl	205	104.214181	ug/L	104.21		100
V	51	98.310137	ug/L	97.92		100
Zn	64	95.325507	ug/L	94.66		100
Zn	66	95.002293	ug/L	94.34		100
Zn	68	95.689135	ug/L	95.02		100

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 01:08:35
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	109.320435	ug/L	109.98		100
Ba	137	104.013429	ug/L	103.29		100
Ba	138	103.369248	ug/L	102.65		100
Be	9	94.455678	ug/L	93.52		100
Cd	111	106.315779	ug/L	105.79		100
Cd	114	106.330701	ug/L	105.80		100
Co	59	100.003394	ug/L	99.41		100
Cr	52	99.47166	ug/L	98.49		100
Cu	63	99.575729	ug/L	99.68		100
Cu	65	100.683416	ug/L	100.78		100
Ge	72		ug/L		99.27	
Hg	200	1.041146	ug/L	104.12		1
Hg	202	1.04759	ug/L	104.76		1
Ho	165		ug/L		99.22	
In	115		ug/L		101.40	
Mn	55	99.890333	ug/L	99.49		100
Ni	60	96.270655	ug/L	95.51		100
Ni	62	94.902711	ug/L	94.15		100
Pb	208	106.219137	ug/L	106.22		100
Sb	121	97.830912	ug/L	97.54		100
Sb	123	98.255462	ug/L	97.96		100
Sc	45		ug/L		101.73	
Se	77	105.015478	mg/L	104.81		100
Se	78	103.785408	mg/L	103.58		100
Se	82	103.179149	mg/L	102.97		100
Tl	205	108.378455	ug/L	108.38		100
V	51	99.412385	ug/L	99.02		100
Zn	64	95.144101	ug/L	94.48		100
Zn	66	96.313689	ug/L	95.64		100
Zn	68	95.12794	ug/L	94.47		100

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 24, 2011 23:39:28
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	53.715657	ug/L	106.79		50.3
Ag	109	53.224377	ug/L	105.81		50.3
Ge	72		ug/L		96.96	
Ho	165		ug/L		96.15	
In	115		ug/L		96.45	
Sc	45		ug/L		97.08	

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 01:15:44
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	52.257328	ug/L	103.89		50.3
Ag	109	51.297218	ug/L	101.98		50.3
Ge	72		ug/L		98.54	
Ho	165		ug/L		97.87	
In	115		ug/L		98.47	
Sc	45		ug/L		98.10	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 24, 2011 23:46:37
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	10266.7342	ug/L	102.67		1000
Ca	44	9839.05431	ug/L	98.39		1000
Fe	54	10106.1316	ug/L	101.06		1000
Fe	56	10034.5278	ug/L	100.35		1000
Fe	57	10283.8637	ug/L	102.84		1000
Ge	72		ug/L		100.03	
Ho	165		ug/L		100.40	
In	115		ug/L		99.69	
K	39	10168.1155	ug/L	101.68		1000
Mg	24	10187.4786	ug/L	101.88		1000
Mg	25	10065.8668	ug/L	100.66		1000
Na	23	10151.6197	ug/L	101.52		1000
P	31	9952.24509	ug/L	99.52		1000
Sc	45		ug/L		101.36	

Sample ID: QC Std 6
Sample Date/Time: Thursday, August 25, 2011 01:22:53
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	10446.847	ug/L	104.47		1000
Ca	44	10389.8859	ug/L	103.90		1000
Fe	54	10368.5023	ug/L	103.69		1000
Fe	56	10378.8949	ug/L	103.79		1000
Fe	57	10654.3797	ug/L	106.54		1000
Ge	72		ug/L		96.82	
Ho	165		ug/L		95.45	
In	115		ug/L		96.62	
K	39	10356.5633	ug/L	103.57		1000
Mg	24	10321.7302	ug/L	103.22		1000
Mg	25	10352.7687	ug/L	103.53		1000
Na	23	10270.2831	ug/L	102.70		1000
P	31	10133.9885	ug/L	101.34		1000
Sc	45		ug/L		97.66	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 02:44:52
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	106.640819	ug/L	107.29		100
Ba	137	104.082337	ug/L	103.36		100
Ba	138	103.922429	ug/L	103.20		100
Be	9	88.361311	ug/L	87.49		100
Cd	111	103.207147	ug/L	102.69		100
Cd	114	102.374296	ug/L	101.87		100
Co	59	102.522835	ug/L	101.91		100
Cr	52	103.161521	ug/L	102.14		100
Cu	63	102.43068	ug/L	102.53		100
Cu	65	103.88534	ug/L	103.99		100
Ge	72		ug/L		101.10	
Hg	200	1.024399	ug/L	102.44		1
Hg	202	1.002022	ug/L	100.20		1
Ho	165		ug/L		101.22	
In	115		ug/L		102.58	
Mn	55	101.13629	ug/L	100.73		100
Ni	60	96.929473	ug/L	96.16		100
Ni	62	97.378668	ug/L	96.61		100
Pb	208	101.914034	ug/L	101.91		100
Sb	121	98.944188	ug/L	98.65		100
Sb	123	99.921683	ug/L	99.62		100
Sc	45		ug/L		100.00	
Se	77	101.543934	mg/L	101.34		100
Se	78	102.489118	mg/L	102.29		100
Se	82	100.74082	mg/L	100.54		100
Tl	205	104.807262	ug/L	104.81		100
V	51	101.839063	ug/L	101.43		100
Zn	64	97.861117	ug/L	97.18		100
Zn	66	98.865953	ug/L	98.18		100
Zn	68	98.216991	ug/L	97.53		100

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 04:21:10
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	111.495092	ug/L	112.17		100
Ba	137	108.05279	ug/L	107.30		100
Ba	138	108.112781	ug/L	107.36		100
Be	9	79.660805	ug/L	78.87		100
Cd	111	107.197719	ug/L	106.66		100
Cd	114	106.84894	ug/L	106.32		100
Co	59	103.472941	ug/L	102.86		100
Cr	52	104.286557	ug/L	103.25		100
Cu	63	103.882564	ug/L	103.99		100
Cu	65	104.226463	ug/L	104.33		100
Ge	72		ug/L		98.38	
Hg	200	1.004918	ug/L	100.49		1
Hg	202	0.983356	ug/L	98.34		1
Ho	165		ug/L		102.52	
In	115		ug/L		102.18	
Mn	55	102.832331	ug/L	102.42		100
Ni	60	98.016767	ug/L	97.24		100
Ni	62	98.185731	ug/L	97.41		100
Pb	208	103.953831	ug/L	103.95		100
Sb	121	100.405539	ug/L	100.11		100
Sb	123	101.122937	ug/L	100.82		100
Sc	45		ug/L		100.50	
Se	77	102.591704	mg/L	102.39		100
Se	78	104.035903	mg/L	103.83		100
Se	82	102.632779	mg/L	102.43		100
Tl	205	106.457413	ug/L	106.46		100
V	51	102.176815	ug/L	101.77		100
Zn	64	98.603744	ug/L	97.92		100
Zn	66	98.346645	ug/L	97.66		100
Zn	68	96.894839	ug/L	96.22		100

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 02:52:01
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	53.140022	ug/L	105.65		50.3
Ag	109	52.986696	ug/L	105.34		50.3
Ge	72		ug/L		98.30	
Ho	165		ug/L		99.59	
In	115		ug/L		100.47	
Sc	45		ug/L		100.73	

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 04:28:18
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	53.432466	ug/L	106.23		50.3
Ag	109	53.339293	ug/L	106.04		50.3
Ge	72		ug/L		99.19	
Ho	165		ug/L		101.57	
In	115		ug/L		101.72	
Sc	45		ug/L		101.28	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID:	QC Std 6	Sample ID:	QC Std 6
Sample Date/Time:	Thursday, August 25, 2011 02:59:10	Sample Date/Time:	Thursday, August 25, 2011 04:35:27
Sample Description:	CV-Minerals	Sample Description:	CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	10170.7832	ug/L	101.71		1000
Ca	44	10041.9226	ug/L	100.42		1000
Fe	54	10054.4289	ug/L	100.54		1000
Fe	56	10305.6513	ug/L	103.06		1000
Fe	57	10318.6981	ug/L	103.19		1000
Ge	72		ug/L		101.20	
Ho	165		ug/L		102.54	
In	115		ug/L		102.84	
K	39	10107.2504	ug/L	101.07		1000
Mg	24	9875.62424	ug/L	98.76		1000
Mg	25	10183.9248	ug/L	101.84		1000
Na	23	9916.16367	ug/L	99.16		1000
P	31	9779.30141	ug/L	97.79		1000
Sc	45		ug/L		103.75	

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	10068.2425	ug/L	100.68		1000
Ca	44	10056.9183	ug/L	100.57		1000
Fe	54	10105.9597	ug/L	101.06		1000
Fe	56	10167.6818	ug/L	101.68		1000
Fe	57	10329.6778	ug/L	103.30		1000
Ge	72		ug/L		102.11	
Ho	165		ug/L		104.20	
In	115		ug/L		105.81	
K	39	10161.3521	ug/L	101.61		1000
Mg	24	9819.88102	ug/L	98.20		1000
Mg	25	9676.05851	ug/L	96.76		1000
Na	23	9755.30366	ug/L	97.55		1000
P	31	9774.94837	ug/L	97.75		1000
Sc	45		ug/L		104.06	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 05:57:32
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	110.759476	ug/L	111.43		100
Ba	137	105.500854	ug/L	104.77		100
Ba	138	105.662518	ug/L	104.93		100
Be	9	89.146474	ug/L	88.26		100
Cd	111	105.302224	ug/L	104.78		100
Cd	114	105.269536	ug/L	104.75		100
Co	59	102.682662	ug/L	102.07		100
Cr	52	101.964959	ug/L	100.96		100
Cu	63	101.50313	ug/L	101.61		100
Cu	65	102.617169	ug/L	102.72		100
Ge	72		ug/L		100.84	
Hg	200	1.017239	ug/L	101.72		1
Hg	202	1.022433	ug/L	102.24		1
Ho	165		ug/L		102.92	
In	115		ug/L		104.00	
Mn	55	101.005733	ug/L	100.60		100
Ni	60	97.043495	ug/L	96.27		100
Ni	62	96.217571	ug/L	95.45		100
Pb	208	104.293718	ug/L	104.29		100
Sb	121	99.667655	ug/L	99.37		100
Sb	123	98.408886	ug/L	98.12		100
Sc	45		ug/L		103.46	
Se	77	108.963582	mg/L	108.75		100
Se	78	109.41459	mg/L	109.20		100
Se	82	105.054818	mg/L	104.85		100
Tl	205	107.728235	ug/L	107.73		100
V	51	100.768016	ug/L	100.37		100
Zn	64	96.663718	ug/L	95.99		100
Zn	66	97.3621	ug/L	96.69		100
Zn	68	96.596273	ug/L	95.93		100

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 07:33:57
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	108.242522	ug/L	108.90		100
Ba	137	104.602605	ug/L	103.88		100
Ba	138	104.483845	ug/L	103.76		100
Be	9	70.910841	ug/L	70.21		100
Cd	111	101.440831	ug/L	100.94		100
Cd	114	101.452987	ug/L	100.95		100
Co	59	100.686071	ug/L	100.09		100
Cr	52	100.22021	ug/L	99.23		100
Cu	63	100.128504	ug/L	100.23		100
Cu	65	100.497957	ug/L	100.60		100
Ge	72		ug/L		101.85	
Hg	200	0.935445	ug/L	93.55		1
Hg	202	0.924302	ug/L	92.43		1
Ho	165		ug/L		107.45	
In	115		ug/L		109.91	
Mn	55	98.813083	ug/L	98.42		100
Ni	60	95.987391	ug/L	95.23		100
Ni	62	95.209435	ug/L	94.45		100
Pb	208	100.715871	ug/L	100.72		100
Sb	121	95.910382	ug/L	95.62		100
Sb	123	96.533845	ug/L	96.25		100
Sc	45		ug/L		105.59	
Se	77	103.142072	mg/L	102.94		100
Se	78	109.752664	mg/L	109.53		100
Se	82	105.073396	mg/L	104.86		100
Tl	205	103.920898	ug/L	103.92		100
V	51	98.550422	ug/L	98.16		100
Zn	64	92.776388	ug/L	92.13		100
Zn	66	93.259083	ug/L	92.61		100
Zn	68	92.517847	ug/L	91.88		100

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 06:04:41
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	53.52782	ug/L	106.42		50.3
Ag	109	53.699231	ug/L	106.76		50.3
Ge	72		ug/L		102.04	
Ho	165		ug/L		100.37	
In	115		ug/L		103.31	
Sc	45		ug/L		103.46	

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 07:41:06
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	53.91305	ug/L	107.18		50.3
Ag	109	53.640967	ug/L	106.64		50.3
Ge	72		ug/L		99.77	
Ho	165		ug/L		100.79	
In	115		ug/L		104.93	
Sc	45		ug/L		102.10	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID:	QC Std 6	Sample ID:	QC Std 6
Sample Date/Time:	Thursday, August 25, 2011 06:11:49	Sample Date/Time:	Thursday, August 25, 2011 07:48:15
Sample Description:	CV-Minerals	Sample Description:	CV-Minerals

Concentration Results				QC Std	Int Std	True	Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value	Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	10267.7818	ug/L	102.68		1000	Al	27	10453.3433	ug/L	104.53		1000
Ca	44	10069.3433	ug/L	100.69		1000	Ca	44	10404.6483	ug/L	104.05		1000
Fe	54	10343.0857	ug/L	103.43		1000	Fe	54	10553.2521	ug/L	105.53		1000
Fe	56	10203.5118	ug/L	102.04		1000	Fe	56	10613.7445	ug/L	106.14		1000
Fe	57	10559.4143	ug/L	105.59		1000	Fe	57	10708.8796	ug/L	107.09		1000
Ge	72		ug/L		101.06		Ge	72		ug/L		100.25	
Ho	165		ug/L		99.74		Ho	165		ug/L		102.47	
In	115		ug/L		100.54		In	115		ug/L		104.89	
K	39	10370.199	ug/L	103.70		1000	K	39	10605.9364	ug/L	106.06		1000
Mg	24	10327.1855	ug/L	103.27		1000	Mg	24	10153.1467	ug/L	101.53		1000
Mg	25	10166.1853	ug/L	101.66		1000	Mg	25	10148.6951	ug/L	101.49		1000
Na	23	9937.55666	ug/L	99.38		1000	Na	23	9905.32131	ug/L	99.05		1000
P	31	9979.62221	ug/L	99.80		1000	P	31	10234.3758	ug/L	102.34		1000
Sc	45		ug/L		103.64		Sc	45		ug/L		100.21	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 09:10:26
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	109.709982	ug/L	110.37		100
Ba	137	105.573884	ug/L	104.84		100
Ba	138	105.659753	ug/L	104.93		100
Be	9	78.29362	ug/L	77.52		100
Cd	111	105.78436	ug/L	105.26		100
Cd	114	104.14794	ug/L	103.63		100
Co	59	104.583702	ug/L	103.96		100
Cr	52	103.849564	ug/L	102.82		100
Cu	63	103.841664	ug/L	103.95		100
Cu	65	104.867103	ug/L	104.97		100
Ge	72		ug/L		102.82	
Hg	200	0.956849	ug/L	95.69		1
Hg	202	0.941372	ug/L	94.14		1
Ho	165		ug/L		104.08	
In	115		ug/L		107.44	
Mn	55	103.179654	ug/L	102.77		100
Ni	60	99.299873	ug/L	98.51		100
Ni	62	99.847046	ug/L	99.06		100
Pb	208	103.948651	ug/L	103.95		100
Sb	121	97.754983	ug/L	97.46		100
Sb	123	98.19012	ug/L	97.90		100
Sc	45		ug/L		103.67	
Se	77	105.968083	mg/L	105.76		100
Se	78	112.872866	mg/L	112.65		100
Se	82	107.317266	mg/L	107.10		100
Tl	205	107.18097	ug/L	107.18		100
V	51	102.676122	ug/L	102.27		100
Zn	64	96.680292	ug/L	96.01		100
Zn	66	97.268519	ug/L	96.59		100
Zn	68	97.435272	ug/L	96.76		100

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 11:14:06
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	110.109836	ug/L	110.77		100
Ba	137	106.072718	ug/L	105.34		100
Ba	138	109.155112	ug/L	108.40		100
Be	9	75.483907	ug/L	74.74		100
Cd	111	105.538197	ug/L	105.01		100
Cd	114	104.068352	ug/L	103.55		100
Co	59	103.483854	ug/L	102.87		100
Cr	52	101.579843	ug/L	100.57		100
Cu	63	102.431941	ug/L	102.53		100
Cu	65	105.147211	ug/L	105.25		100
Ge	72		ug/L		103.92	
Hg	200	0.983362	ug/L	98.34		1
Hg	202	0.985878	ug/L	98.59		1
Ho	165		ug/L		105.80	
In	115		ug/L		110.91	
Mn	55	101.358581	ug/L	100.96		100
Ni	60	99.35915	ug/L	98.57		100
Ni	62	97.675152	ug/L	96.90		100
Pb	208	104.961869	ug/L	104.96		100
Sb	121	98.316861	ug/L	98.02		100
Sb	123	98.471241	ug/L	98.18		100
Sc	45		ug/L		107.13	
Se	77	108.317879	mg/L	108.10		100
Se	78	118.222453	mg/L	117.99		100
Se	82	109.814589	mg/L	109.60		100
Tl	205	107.953356	ug/L	107.95		100
V	51	101.637515	ug/L	101.23		100
Zn	64	94.66635	ug/L	94.01		100
Zn	66	95.265323	ug/L	94.60		100
Zn	68	94.842056	ug/L	94.18		100

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 09:17:35
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	52.744975	ug/L	104.86		50.3
Ag	109	52.147411	ug/L	103.67		50.3
Ge	72		ug/L		102.39	
Ho	165		ug/L		102.60	
In	115		ug/L		108.18	
Sc	45		ug/L		105.34	

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 11:21:15
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	52.31335	ug/L	104.00		50.3
Ag	109	52.45236	ug/L	104.28		50.3
Ge	72		ug/L		103.43	
Ho	165		ug/L		106.29	
In	115		ug/L		110.31	
Sc	45		ug/L		105.09	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID:	**QC Std 6**	**Sample ID:**	**QC Std 6**
Sample Date/Time:	**Thursday, August 25, 2011 09:24:44**	**Sample Date/Time:**	**Thursday, August 25, 2011 11:28:24**
Sample Description:	**CV-Minerals**	**Sample Description:**	**CV-Minerals**

Concentration Results				QC Std	Int Std	True	Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value	Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	9970.61304	ug/L	99.71		1000	Al	27	10494.4093	ug/L	104.94		1000
Ca	44	9848.27758	ug/L	98.48		1000	Ca	44	10384.2513	ug/L	103.84		1000
Fe	54	9992.16862	ug/L	99.92		1000	Fe	54	10662.8289	ug/L	106.63		1000
Fe	56	10043.1806	ug/L	100.43		1000	Fe	56	10647.4298	ug/L	106.47		1000
Fe	57	10295.6447	ug/L	102.96		1000	Fe	57	10721.5271	ug/L	107.22		1000
Ge	72		ug/L		103.28		Ge	72		ug/L		101.84	
Ho	165		ug/L		105.28		Ho	165		ug/L		103.34	
In	115		ug/L		105.85		In	115		ug/L		105.91	
K	39	9996.01983	ug/L	99.96		1000	K	39	10436.0441	ug/L	104.36		1000
Mg	24	9668.91718	ug/L	96.69		1000	Mg	24	10011.6904	ug/L	100.12		1000
Mg	25	9870.09806	ug/L	98.70		1000	Mg	25	10023.6771	ug/L	100.24		1000
Na	23	9682.51105	ug/L	96.83		1000	Na	23	10015.2079	ug/L	100.15		1000
P	31	9587.34148	ug/L	95.87		1000	P	31	10000.565	ug/L	100.01		1000
Sc	45		ug/L		106.52		Sc	45		ug/L		103.56	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 13:04:13
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	111.71584	ug/L	112.39		100
Ba	137	108.277847	ug/L	107.53		100
Ba	138	107.377631	ug/L	106.63		100
Be	9	74.476546	ug/L	73.74		100
Cd	111	106.271982	ug/L	105.74		100
Cd	114	105.725405	ug/L	105.20		100
Co	59	102.956374	ug/L	102.34		100
Cr	52	102.68965	ug/L	101.67		100
Cu	63	102.151866	ug/L	102.25		100
Cu	65	102.704578	ug/L	102.81		100
Ge	72		ug/L		100.84	
Hg	200	0.977931	ug/L	97.79		1
Hg	202	0.96866	ug/L	96.87		1
Ho	165		ug/L		106.97	
In	115		ug/L		107.10	
Mn	55	101.377881	ug/L	100.97		100
Ni	60	98.42186	ug/L	97.64		100
Ni	62	98.862594	ug/L	98.08		100
Pb	208	102.047634	ug/L	102.05		100
Sb	121	98.651263	ug/L	98.36		100
Sb	123	97.446066	ug/L	97.16		100
Sc	45		ug/L		105.02	
Se	77	107.788644	mg/L	107.57		100
Se	78	112.519621	mg/L	112.30		100
Se	82	106.374372	mg/L	106.16		100
Tl	205	105.676342	ug/L	105.68		100
V	51	100.614081	ug/L	100.21		100
Zn	64	95.089691	ug/L	94.43		100
Zn	66	94.584758	ug/L	93.93		100
Zn	68	95.529569	ug/L	94.87		100

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 14:40:50
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	112.125548	ug/L	112.80		100
Ba	137	106.197265	ug/L	105.46		100
Ba	138	106.990338	ug/L	106.25		100
Be	9	76.971958	ug/L	76.21		100
Cd	111	105.617977	ug/L	105.09		100
Cd	114	105.127541	ug/L	104.61		100
Co	59	103.778272	ug/L	103.16		100
Cr	52	104.71262	ug/L	103.68		100
Cu	63	102.22759	ug/L	102.33		100
Cu	65	103.626413	ug/L	103.73		100
Ge	72		ug/L		100.76	
Hg	200	1.004211	ug/L	100.42		1
Hg	202	0.963164	ug/L	96.32		1
Ho	165		ug/L		104.66	
In	115		ug/L		107.36	
Mn	55	101.450877	ug/L	101.05		100
Ni	60	99.595692	ug/L	98.81		100
Ni	62	99.139699	ug/L	98.35		100
Pb	208	104.375051	ug/L	104.38		100
Sb	121	98.554322	ug/L	98.26		100
Sb	123	99.052166	ug/L	98.76		100
Sc	45		ug/L		103.82	
Se	77	108.952999	mg/L	108.74		100
Se	78	108.243414	mg/L	108.03		100
Se	82	106.7542	mg/L	106.54		100
Tl	205	107.331518	ug/L	107.33		100
V	51	101.964679	ug/L	101.56		100
Zn	64	97.480127	ug/L	96.80		100
Zn	66	96.739579	ug/L	96.07		100
Zn	68	95.954695	ug/L	95.29		100

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 13:11:22
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	54.254721	ug/L	107.86		50.3
Ag	109	54.19506	ug/L	107.74		50.3
Ge	72		ug/L		101.15	
Ho	165		ug/L		106.03	
In	115		ug/L		106.72	
Sc	45		ug/L		102.57	

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 14:47:58
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	54.165142	ug/L	107.68		50.3
Ag	109	53.323554	ug/L	106.01		50.3
Ge	72		ug/L		101.52	
Ho	165		ug/L		104.39	
In	115		ug/L		107.47	
Sc	45		ug/L		102.66	

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Calibration Verification (CV) Summary
EAI SDG 102343
Total Metals

Sample ID:	**QC Std 6**	**Sample ID:**	**QC Std 6**
Sample Date/Time:	**Thursday, August 25, 2011 13:18:31**	**Sample Date/Time:**	**Thursday, August 25, 2011 14:55:07**
Sample Description:	**CV-Minerals**	**Sample Description:**	**CV-Minerals**

Concentration Results				QC Std	Int Std	True	Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value	Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	10474.6425	ug/L	104.75		1000	Al	27	10495.3176	ug/L	104.95		1000
Ca	44	10521.1829	ug/L	105.21		1000	Ca	44	10557.2076	ug/L	105.57		1000
Fe	54	10432.3635	ug/L	104.32		1000	Fe	54	10640.8225	ug/L	106.41		1000
Fe	56	10579.5843	ug/L	105.80		1000	Fe	56	10846.402	ug/L	108.46		1000
Fe	57	10945.4313	ug/L	109.45		1000	Fe	57	11155.2917	ug/L	111.55		1000
Ge	72		ug/L		100.33		Ge	72		ug/L		100.86	
Ho	165		ug/L		103.11		Ho	165		ug/L		104.88	
In	115		ug/L		106.03		In	115		ug/L		106.22	
K	39	10453.2833	ug/L	104.53		1000	K	39	10615.5346	ug/L	106.16		1000
Mg	24	10058.7021	ug/L	100.59		1000	Mg	24	10150.6927	ug/L	101.51		1000
Mg	25	9991.05269	ug/L	99.91		1000	Mg	25	10382.0789	ug/L	103.82		1000
Na	23	9893.93131	ug/L	98.94		1000	Na	23	10221.4707	ug/L	102.22		1000
P	31	10053.2653	ug/L	100.53		1000	P	31	10222.6214	ug/L	102.23		1000
Sc	45		ug/L		102.85		Sc	45		ug/L		101.28	

Metals Analysis
Support Data
102343

Sample/Batch Report

User Name: ICPMS1
Computer Name: ICPMS1
Sample File: C:\elandata\Sample\AQUIRE_August242011.1HCl.sam
Report Date/Time: Friday, August 26, 2011 13:26:15

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Rati
		Calibration Blank		Sample					
2		Hg0.1ppbCS		Sample					
3		Hg1.0ppbCS		Sample					
4		Hg5.0ppbCS		Sample					
9		TM.5ppbCS		Sample					
10		TM5ppbCS		Sample					
11		TM20ppbCS		Sample					
12		Min100CS		Sample					
13		Min1000CS		Sample					
14		Min5000CS		Sample					
5		Reagent Blank		Sample					
6		SCP_ICV		Sample					
15		ERA DWQC_ICV		Sample					
7		ERA WWQC_ICV		Sample					
8		MIN_ICV		Sample					
16		flush		Sample					
17		flush		Sample					
18		flush		Sample					
19		LLCS		Sample					
20		ICSA		Sample					
21		ICSAB		Sample					
22		5ppm LRC-flush		Sample					
23		flush		Sample					
24		flush		Sample					
25		flush		Sample					
26		flush		Sample					
27		flush		Sample					
28		BLK	8/17 C	Sample					
29		BLK	8/19 A	Sample					
30		Ag LCS	8/17 C	Sample					
31		Ag LCS	8/19 A	Sample					
32		LCS	8/17 C	Sample					
33		LCS	8/19 A	Sample					
34		flush		Sample					
35		flush		Sample					
36		flush		Sample					
37		102343.01	Aqtot	Sample					
38		102343.02	Aqtot	Sample					
39		102343.03	Aqtot	Sample					
40		102343.04	Aqtot	Sample					
41		102343.05	Aqtot	Sample					
42		102343.06	Aqtot	Sample					
43		102343.07	Aqtot	Sample					
44		102343.08	Aqtot	Sample					
45		102343.09	Aqtot	Sample					
46		102343.10	Aqtot	Sample					
47		102343.10 MS	Aqtot pre-diges	Sample					
48		102343.10 MS	Aqtot pre-diges	Sample					
49		flush		Sample					

50	flush		Sample
51	flush		Sample
52	102343.11	Aqtot	Sample
53	102455.01	Aqtot	Sample
54	102455.02	Aqtot	Sample
55	102455.03	Aqtot	Sample
56	102455.04	Aqtot	Sample
57	102455.05	Aqtot	Sample
58	102455.05 MS	Aqtot pre-diges	Sample
59	102455.05 MS	Aqtot pre-diges	Sample
60	flush		Sample
61	flush		Sample
62	flush		Sample
63	102455.06	Aqtot	Sample
64	102455.07	Aqtot	Sample
65	102455.08	Aqtot	Sample
66	102455.09	Aqtot	Sample
67	102455.10	Aqtot	Sample
68	102455.11	Aqtot	Sample
69	102455.12	Aqtot	Sample
70	102455.13	Aqtot	Sample
71	102455.14	Aqtot	Sample
72	102455.15	Aqtot	Sample
73	102455.15 MS	Aqtot post-dige	Sample
74	102455.15 MS	Aqtot post-dige	Sample
75	flush		Sample
76	flush		Sample
77	flush		Sample
78	102455.16	Aqtot	Sample
79	102455.17	Aqtot	Sample
80	102455.18	Aqtot	Sample
81	102455.19	Aqtot	Sample
82	flush		Sample
83	102343.02	Aqdis	Sample
84	102343.03	Aqdis	Sample
85	102343.04	Aqdis	Sample
86	102343.05	Aqdis	Sample
87	102343.06	Aqdis	Sample
88	102343.06 MS	Aqdis	Sample
89	102343.06 MS	Aqdis	Sample
90	flush		Sample
91	flush		Sample
92	flush		Sample
93	102343.07	Aqdis	Sample
94	102343.08	Aqdis	Sample
95	102343.09	Aqdis	Sample
96	102343.10	Aqdis	Sample
97	102343.11	Aqdis	Sample
98	102455.01	Aqdis	Sample
99	102455.02	Aqdis	Sample
100	102455.03	Aqdis	Sample
101	102455.04	Aqdis	Sample
102	102455.05	Aqdis	Sample
103	102455.05 MS	Aqdis	Sample
104	102455.05 MS	Aqdis	Sample
105	flush		Sample
106	flush		Sample
107	flush		Sample
108	102455.06	Aqdis	Sample
109	102455.07	Aqdis	Sample

110	102455.08	Aqdis	Sample
111	102455.09	Aqdis	Sample
112	102455.11	Aqdis	Sample
113	102455.12	Aqdis	Sample
114	102455.13	Aqdis	Sample
115	102455.14	Aqdis	Sample
116	102455.15	Aqdis	Sample
117	102455.18	Aqdis	Sample
118	102455.18 MS	Aqdis	Sample
119	102455.18 MS	Aqdis	Sample
120	flush		Sample
121	flush		Sample
122	flush		Sample
123	102455.19	Aqdis	Sample
124	102343.10 MS	Aqtot post-dige	Sample
125	102343.10 MS	Aqtot post-dige	Sample
126	102455.05 MS	Aqtot post-dige	Sample
127	102455.05 MS	Aqtot post-dige	Sample
128	flush		Sample
129	flush		Sample
130	flush		Sample
131	TCLP Filter Bl	1:100	Sample
132	102530.01	Aq TCLP 1:100	Sample
133	102530.01	Aqtot 1:10	Sample
134	102525.01	Aq TCLP 1:100	Sample
135	102525.01	Aqtot 1:10	Sample
136	flush		Sample
137	102343.05	Aqtot 1:10 Na	Sample
138	102455.02	Aqtot 1:10 Na	Sample
139	102455.12	Aqtot 1:10 Na +	Sample
140	102455.16	Aqtot 1:10 Na	Sample
141	102455.17	Aqtot 1:10 Na	Sample
142	flush		Sample
143	102343.08	No digestion re	Sample
144	102455.14	No digestion re	Sample
145	102343.01	Aqtot 1:1 Na	Sample
146	102343.04	Aqtot 1:1 Na	Sample
147	102455.05	Aqtot 1:1 Na	Sample
148	102455.01	Aqdis 1:1 Fe +	Sample
149	102455.03	Aqdis 1:1 Fe +	Sample
150	102455.04	Aqdis 1:1 Fe +	Sample
151	102455.15	Aqdis 1:1 Fe +	Sample
152			Sample
153			Sample
154			Sample
155			Sample
156			Sample
157			Sample
158			Sample
159			Sample
160			Sample

eastern analytical, inc.
professional laboratory services

ICSA/ICSAB
EAI SDG 102343

Sample ID: ICSA
Sample Date/Time: Wednesday, August 24, 2011 17:52:25
Sample Description:

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	0.108262	ug/L			< 1
Ag	109	0.07916	ug/L			< 1
Al	27	47970.91	ug/L	95.94		50000
As	75	0.162133	ug/L			< 1
Ba	137	0.230252	ug/L			< 1
Ba	138	0.240255	ug/L			< 1
Be	9	0.069033	ug/L			< 1
Ca	44	47696.46	ug/L	95.39		50000
Cd	111	0.111289	ug/L			< 1
Cd	114	0.10876	ug/L			< 1
Co	59	0.154012	ug/L			< 1
Cr	52	0.215362	ug/L			< 1
Cu	63	0.843583	ug/L			< 1
Cu	65	0.648935	ug/L			< 1
Fe	54	47669.58	ug/L	95.34		50000
Fe	56	47909.29	ug/L	95.82		50000
Fe	57	48883.73	ug/L	97.77		50000
Ge	72		ug/L		100.898	
Hg	200	0.027551	ug/L			< 0.1
Hg	202	0.024179	ug/L			< 0.1
Ho	165		ug/L		96.732	
In	115		ug/L		96.543	
K	39	48105.68	ug/L	96.21		50000
Mg	24	48066.46	ug/L	96.13		50000
Mg	25	47552.09	ug/L	95.10		50000
Mn	55	0.310463	ug/L			< 5
Na	23	47812.9	ug/L	95.63		50000
Ni	60	1.354368	ug/L			1.35
Ni	62	0.673217	ug/L			< 1
P	31	47635.49	ug/L	95.27		50000
Pb	208	0.171337	ug/L			< 1
Sb	121	0.450022	ug/L			< 1
Sb	123	0.456077	ug/L			< 1
Sc	45		ug/L		96.995	
Se	77	5.696885	mg/L			5.69
Se	78	-0.71946	mg/L			< 1
Se	82	0.460417	mg/L			< 1
Tl	205	0.051775	ug/L			< 1
V	51	1.763366	ug/L			1.76
Zn	64	7.914347	ug/L			7.91
Zn	66	4.989272	ug/L			< 5
Zn	68	4.430494	ug/L			< 5

Sample ID: ICSAB
Sample Date/Time: Wednesday, August 24, 2011 17:59:05
Sample Description:

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	8.895886	ug/L	88.96		10
Ag	109	8.743234	ug/L	87.43		10
Al	27	46916.72	ug/L	93.83		50000
As	75	9.086178	ug/L	90.86		10
Ba	137	9.500431	ug/L	95.00		10
Ba	138	9.674443	ug/L	96.74		10
Be	9	9.048999	ug/L	90.49		10
Ca	44	45395.26	ug/L	90.79		50000
Cd	111	9.24818	ug/L	92.48		10
Cd	114	9.094505	ug/L	90.95		10
Co	59	9.000447	ug/L	90.00		10
Cr	52	9.060545	ug/L	90.61		10
Cu	63	9.142354	ug/L	91.42		10
Cu	65	9.109943	ug/L	91.10		10
Fe	54	46592.62	ug/L	93.19		50000
Fe	56	47281.77	ug/L	94.56		50000
Fe	57	48175.83	ug/L	96.35		50000
Ge	72		ug/L		104.867	
Hg	200	0.939785	ug/L	93.98		1
Hg	202	0.942043	ug/L	94.20		1
Ho	165		ug/L		98.889	
In	115		ug/L		99.536	
K	39	48095.95	ug/L	96.19		50000
Mg	24	47110.24	ug/L	94.22		50000
Mg	25	46799.22	ug/L	93.60		50000
Mn	55	9.072621	ug/L	90.73		10
Na	23	46825.16	ug/L	93.65		50000
Ni	60	9.451924	ug/L	80.98		10
Ni	62	8.708151	ug/L	87.08		10
P	31	46420.72	ug/L	92.84		50000
Pb	208	8.830766	ug/L	88.31		10
Sb	121	10.83813	ug/L	108.38		10
Sb	123	10.97537	ug/L	109.75		10
Sc	45		ug/L		98.481	
Se	77	14.7769	mg/L	90.80		10
Se	78	8.703996	mg/L	87.04		10
Se	82	9.506964	mg/L	95.07		10
Tl	205	8.687071	ug/L	86.87		10
V	51	10.99601	ug/L	92.33		10
Zn	64	16.22952	ug/L	83.15		10
Zn	66	13.43384	ug/L	84.45		10
Zn	68	12.83039	ug/L	84.00		10

BatSamNum	Prep Date	Digestion Batch ID	Reagent/Chem Inv.	Temp. °C	Analyst	Notes
Blank	8/17/11	C	42007.3 / 38990.3 / 41330.1	83.5	SPN	
LCS			41321.1 / 41680.1 / 39600.1			
LCS Aq			39603.1			
102290.01						
.02						
.03						
102292.01						
102309.01						
102319.01						
102334.01						
.02						
102343.01						
.02						
.03						
.04						
.05						
.06						
.07						
.08						
.09						
.1						
MS			41321.1 / 41680.1 / 39600.1			
MSD						
.11						
102292.02						

SPN 8/17/11

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Wednesday, August 24, 2011 13:18:30
Sample Description:
Method File: C:\Elandata\Method\EPA200 DAILY.mth
Dataset File: C:\Elandata\Dataset\daily performance\Sample.002
Tuning File: C:\Elandata\Tuning\EPA.tun
Optimization File: C:\Elandata\Optimize\epa.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 55
Current Dead Time (ns): 55

1.84 x 10^-5

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	69894.2	69894.225	331.236	0.5
	Rh	102.9	336112.9	336112.948	3359.090	1.0
	In	114.9	376933.0	376932.994	21236.433	5.6
	Pb	208.0	267188.9	267188.871	1946.091	0.7
⌈>	Ba	137.9	407174.5	407174.484	1412.831	0.3
⌊	Ba++	69.0	4198.6	0.010	0.000	1.4
⌈>	Ce	139.9	477738.7	477738.652	3869.897	0.8
⌊	CeO	155.9	13484.9	0.028	0.001	2.7
	Bkgd	220.0	6.2	6.201	1.483	23.9

Current Optimization File Data

Current Value	Description
0.95	Nebulizer Gas Flow
5.75	Lens Voltage
1100.00	ICP RF Power
-1893.00	Analog Stage Voltage
1192.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-5.50	AC Rod Offset

4/19/11

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	13	4.3	3416.1
Co	59	13	5.0	116391.3
In	115	13	6.0	446083.9

4/19/11

Instrument Tuning Report

File Name: EPA.tun
File Path: C:\elandata\Tuning\EPA.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.027	598	2087	0.591	
Mg	23.985	23.979	5733	2024	0.569	
Rh	102.905	102.928	25065	1900	0.647	
Ce	139.905	139.929	34051	1961	0.658	
Pb	207.977	207.978	50456	2247	0.618	

Kevin McKibben
Provan & Lorber (Co)
PO Box 389
Contoocook , NH 03229

ACCREDITED IN ACCORDANCE WITH nelac

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 102455
Client Identification: Coakley Landfill | P1081
Date Received: 8/18/2011

Dear Mr. McKibben :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:
Solid samples are reported on a dry weight basis, unless otherwise noted
< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 9.7.11 Date | 9 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: 102455

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Temperature upon receipt (°C): 4

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
102455.01	GW-AE-2A-0811	8/18/11	8/16/11	aqueous		Adheres to Sample Acceptance Policy
102455.02	GW-AE-2B-0811	8/18/11	8/16/11	aqueous		Adheres to Sample Acceptance Policy
102455.03	GW-OP-2-0811	8/18/11	8/17/11	aqueous		Adheres to Sample Acceptance Policy
102455.04	GW-OP-5-0811	8/18/11	8/17/11	aqueous		Adheres to Sample Acceptance Policy
102455.05	GW-AE-3B-0811	8/18/11	8/17/11	aqueous		Adheres to Sample Acceptance Policy
102455.06	GW-AE-38DUP-0811	8/18/11	8/17/11	aqueous		Adheres to Sample Acceptance Policy
102455.07	GW-AE-4A-0811	8/18/11	8/17/11	aqueous		Adheres to Sample Acceptance Policy
102455.08	GW-AE-4B-0811	8/18/11	8/17/11	aqueous		Adheres to Sample Acceptance Policy
102455.09	GW-FPC-4B-0811	8/18/11	8/17/11	aqueous		Adheres to Sample Acceptance Policy
102455.1	GW-FPC-8A-0811	8/18/11	8/17/11	aqueous		Adheres to Sample Acceptance Policy
102455.11	GW-FPC-8B-0811	8/18/11	8/17/11	aqueous		Adheres to Sample Acceptance Policy
102455.12	GW-GZ-105-0811	8/18/11	8/17/11	aqueous		Adheres to Sample Acceptance Policy
102455.13	GW-GZ-123-0811	8/18/11	8/17/11	aqueous		Adheres to Sample Acceptance Policy
102455.14	GW-AE-3B-FB-0811	8/18/11	8/17/11	aqueous		Adheres to Sample Acceptance Policy
102455.15	GW-MW-4-0811	8/18/11	8/18/11	aqueous		Adheres to Sample Acceptance Policy
102455.16	GW-MW-5D-0811	8/18/11	8/18/11	aqueous		Adheres to Sample Acceptance Policy
102455.17	GW-MW-8-0811	8/18/11	8/18/11	aqueous		Adheres to Sample Acceptance Policy
102455.18	GW-FPC-7A-0811	8/18/11	8/18/11	aqueous		Adheres to Sample Acceptance Policy
102455.19	GW-FPC-7B-0811	8/18/11	8/18/11	aqueous		Adheres to Sample Acceptance Policy
102455.2	Trip Blank - 8260	8/18/11	7/11/11	aqueous		Adheres to Sample Acceptance Policy
102455.21	Trip Blank - 1,4 Diox.	8/18/11	8/10/11	aqueous		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater : Inorganics, 19th Edition, 1995; Microbiology, 20th Edition, 1998
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-AE-2A-0811	GW-AE-2B-0811	GW-AE-3B-0811	GW-AE-38DUP-0811	GW-AE-4A-0811	GW-AE-4B-0811	GW-FPC-4B-0811
Lab Sample ID:	102455.01	102455.02	102455.05	102455.06	102455.07	102455.08	102455.09
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/16/11	8/16/11	8/17/11	8/17/11	8/17/11	8/17/11	8/17/11
Date Received:	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/19/11	8/19/11	8/29/11	8/19/11	8/19/11	8/19/11	8/19/11
Analyst:	VG	VG	VG	VG	VG	VG	VG
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Dichlorodifluoromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl chloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromomethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chloroethane	< 5	< 5	**9**	**8**	< 5	< 5	< 5
Trichlorofluoromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl Ether	**6**	**20**	**13**	**13**	< 5	< 5	< 5
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon disulfide	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-t-butyl ether(MTBE)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethyl-t-butyl ether(ETBE)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isopropyl ether(DIPE)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
tert-amyl methyl ether(TAME)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone(MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tetrahydrofuran(THF)	< 10	**30**	< 10	< 10	< 10	< 10	< 10
Chloroform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Benzene	**1**	**1**	**2**	**1**	< 1	< 1	< 1
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromomethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dioxane	< 50	**60**	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Tetrachloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dibromoethane(EDB)	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	**3**	**2**	**7**	**7**	< 2	< 2	< 2
1,1,1,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-AE-2A-0811	GW-AE-2B-0811	GW-AE-3B-0811	GW-AE-38DUP-0811	GW-AE-4A-0811	GW-AE-4B-0811	GW-FPC-4B-0811
Lab Sample ID:	102455.01	102455.02	102455.05	102455.06	102455.07	102455.08	102455.09
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/16/11	8/16/11	8/17/11	8/17/11	8/17/11	8/17/11	8/17/11
Date Received:	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/19/11	8/19/11	8/29/11	8/19/11	8/19/11	8/19/11	8/19/11
Analyst:	VG	VG	VG	VG	VG	VG	VG
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2,3-Trichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
n-Propylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorotoluene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
4-Chlorotoluene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	1	1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,3-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Bromofluorobenzene (surr)	**98 %R**	**98 %R**	**98 %R**	**98 %R**	**97 %R**	**97 %R**	**96 %R**
1,2-Dichlorobenzene-d4 (surr)	**105 %R**	**105 %R**	**105 %R**	**104 %R**	**106 %R**	**104 %R**	**104 %R**
Toluene-d8 (surr)	**105 %R**	**105 %R**	**105 %R**	**105 %R**	**105 %R**	**105 %R**	**105 %R**

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-FPC-8A-0811	GW-FPC-8B-0811	GW-GZ-105-0811	GW-GZ-123-0811	GW-AE-3B-FB-0811	GW-MW-5D-0811	GW-MW-8-0811
Lab Sample ID:	102455.1	102455.11	102455.12	102455.13	102455.14	102455.16	102455.17
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/17/11	8/17/11	8/17/11	8/17/11	8/17/11	8/18/11	8/18/11
Date Received:	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/19/11	8/19/11	8/19/11	8/19/11	8/19/11	8/19/11	8/19/11
Analyst:	VG	VG	VG	VG	VG	VG	VG
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Dichlorodifluoromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl chloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromomethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chloroethane	< 5	< 5	**11**	< 5	< 5	**38**	**27**
Trichlorofluoromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl Ether	< 5	< 5	**54**	< 5	< 5	**100**	**88**
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30	< 30	< 30	**50**	**50**
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon disulfide	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-t-butyl ether(MTBE)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethyl-t-butyl ether(ETBE)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isopropyl ether(DIPE)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
tert-amyl methyl ether(TAME)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone(MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tetrahydrofuran(THF)	< 10	< 10	**70**	< 10	< 10	**110**	**140**
Chloroform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Benzene	< 1	< 1	**6**	< 1	< 1	**2**	**6**
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromomethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50	**80**	< 50	< 50	**120**	**160**
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Tetrachloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dibromoethane(EDB)	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	**11**	< 2	< 2	**3**	**12**
1,1,1,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-FPC-8A-0811	GW-FPC-8B-0811	GW-GZ-105-0811	GW-GZ-123-0811	GW-AE-3B-FB-0811	GW-MW-5D-0811	GW-MW-8-0811
Lab Sample ID:	102455.1	102455.11	102455.12	102455.13	102455.14	102455.16	102455.17
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/17/11	8/17/11	8/17/11	8/17/11	8/17/11	8/18/11	8/18/11
Date Received:	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/19/11	8/19/11	8/19/11	8/19/11	8/19/11	8/19/11	8/19/11
Analyst:	VG	VG	VG	VG	VG	VG	VG
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1	< 1	< 1	**1**
o-Xylene	< 1	< 1	< 1	< 1	< 1	< 1	**1**
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	**3**	< 1	< 1	< 1	**2**
Bromobenzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2,3-Trichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
n-Propylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorotoluene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
4-Chlorotoluene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	**1**
sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	**5**	< 1	< 1	**2**	**3**
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,3-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Bromofluorobenzene (surr)	**98 %R**	**96 %R**	**99 %R**	**98 %R**	**97 %R**	**99 %R**	**98 %R**
1,2-Dichlorobenzene-d4 (surr)	**103 %R**	**104 %R**	**105 %R**	**106 %R**	**104 %R**	**105 %R**	**103 %R**
Toluene-d8 (surr)	**106 %R**	**104 %R**	**105 %R**	**105 %R**	**106 %R**	**105 %R**	**105 %R**

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID: Trip Blank - 8260

Lab Sample ID:	102455.2
Matrix:	aqueous
Date Sampled:	7/11/11
Date Received:	8/18/11
Units:	ug/l
Date of Analysis:	8/19/11
Analyst:	VG
Method:	8260B
Dilution Factor:	1

Dichlorodifluoromethane	< 5
Chloromethane	< 2
Vinyl chloride	< 2
Bromomethane	< 2
Chloroethane	< 5
Trichlorofluoromethane	< 5
Diethyl Ether	< 5
Acetone	< 10
1,1-Dichloroethene	< 1
tert-Butyl Alcohol (TBA)	< 30
Methylene chloride	< 5
Carbon disulfide	< 5
Methyl-t-butyl ether(MTBE)	< 5
Ethyl-t-butyl ether(ETBE)	< 5
Isopropyl ether(DIPE)	< 5
tert-amyl methyl ether(TAME)	< 5
trans-1,2-Dichloroethene	< 2
1,1-Dichloroethane	< 2
2,2-Dichloropropane	< 2
cis-1,2-Dichloroethene	< 2
2-Butanone(MEK)	< 10
Bromochloromethane	< 2
Tetrahydrofuran(THF)	< 10
Chloroform	< 2
1,1,1-Trichloroethane	< 2
Carbon tetrachloride	< 2
1,1-Dichloropropene	< 2
Benzene	< 1
1,2-Dichloroethane	< 2
Trichloroethene	< 2
1,2-Dichloropropane	< 2
Dibromomethane	< 2
Bromodichloromethane	< 0.5
1,4-Dioxane	< 50
4-Methyl-2-pentanone(MIBK)	< 10
cis-1,3-Dichloropropene	< 2
Toluene	< 1
trans-1,3-Dichloropropene	< 2
1,1,2-Trichloroethane	< 2
2-Hexanone	< 10
Tetrachloroethene	< 2
1,3-Dichloropropane	< 2
Dibromochloromethane	< 2
1,2-Dibromoethane(EDB)	< 2
Chlorobenzene	< 2
1,1,1,2-Tetrachloroethane	< 2

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID: Trip Blank - 8260

Lab Sample ID:	102455.2
Matrix:	aqueous
Date Sampled:	7/11/11
Date Received:	8/18/11
Units:	ug/l
Date of Analysis:	8/19/11
Analyst:	VG
Method:	8260B
Dilution Factor:	1
Ethylbenzene	< 1
mp-Xylene	< 1
o-Xylene	< 1
Styrene	< 1
Bromoform	< 2
IsoPropylbenzene	< 1
Bromobenzene	< 2
1,1,2,2-Tetrachloroethane	< 2
1,2,3-Trichloropropane	< 2
n-Propylbenzene	< 1
2-Chlorotoluene	< 2
4-Chlorotoluene	< 2
1,3,5-Trimethylbenzene	< 1
tert-Butylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
sec-Butylbenzene	< 1
1,3-Dichlorobenzene	< 1
p-Isopropyltoluene	< 1
1,4-Dichlorobenzene	< 1
1,2-Dichlorobenzene	< 1
n-Butylbenzene	< 1
1,2-Dibromo-3-chloropropane	< 2
1,3,5-Trichlorobenzene	< 1
1,2,4-Trichlorobenzene	< 1
Hexachlorobutadiene	< 0.5
Naphthalene	< 5
1,2,3-Trichlorobenzene	< 1
4-Bromofluorobenzene (surr)	**97 %R**
1,2-Dichlorobenzene-d4 (surr)	**106 %R**
Toluene-d8 (surr)	**104 %R**

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 5	20 (101 %R)	20 (98 %R) (3 RPD)	8/19/2011	ug/l	40 - 160	20	8260B
Chloromethane	< 2	20 (102 %R)	20 (98 %R) (4 RPD)	8/19/2011	ug/l	40 - 160	20	8260B
Vinyl chloride	< 2	23 (115 %R)	22 (112 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Bromomethane	< 2	15 (77 %R)	17 (83 %R) (8 RPD)	8/19/2011	ug/l	40 - 160	20	8260B
Chloroethane	< 5	22 (111 %R)	21 (106 %R) (5 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	< 5	22 (110 %R)	22 (108 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Diethyl Ether	< 5	19 (97 %R)	19 (97 %R) (0 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Acetone	< 10	20 (79 %R)	20 (77 %R) (3 RPD)	8/19/2011	ug/l	40 - 160	20	8260B
1,1-Dichloroethene	< 1	19 (95 %R)	18 (92 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	< 30	90 (90 %R)	100 (97 %R) (7 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Methylene chloride	< 5	19 (93 %R)	18 (92 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Carbon disulfide	< 5	16 (78 %R)	15 (75 %R) (4 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	< 5	19 (93 %R)	19 (94 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	< 5	15 (75 %R)	17 (84 %R) (11 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	< 5	20 (100 %R)	20 (99 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	< 5	17 (86 %R)	18 (91 %R) (6 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	< 2	20 (98 %R)	19 (95 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	< 2	20 (99 %R)	19 (97 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	< 2	* 9 (47 %R)	* 12 (58 %R) (21 RPD) !	8/19/2011	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	< 2	21 (106 %R)	21 (104 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	< 10	20 (91 %R)	20 (91 %R) (0 RPD)	8/19/2011	ug/l	40 - 160	20	8260B
Bromochloromethane	< 2	20 (98 %R)	20 (98 %R) (0 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	< 10	20 (105 %R)	20 (104 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Chloroform	< 2	20 (101 %R)	20 (99 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	< 2	16 (78 %R)	17 (85 %R) (9 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Carbon tetrachloride	< 2	* 12 (62 %R)	* 14 (68 %R) (9 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	< 2	20 (99 %R)	19 (97 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Benzene	< 1	20 (101 %R)	20 (99 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	< 2	21 (105 %R)	21 (104 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Trichloroethene	< 2	20 (99 %R)	19 (97 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	< 2	20 (100 %R)	20 (99 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Dibromomethane	< 2	20 (102 %R)	20 (101 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Bromodichloromethane	< 0.5	19 (94 %R)	19 (96 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,4-Dioxane	< 50	< 50 (136 %R)	< 50 (126 %R) (8 RPD)	8/19/2011	ug/l	40 - 160	20	8260B
4-Methyl-2-pentanone(MIBK)	< 10	20 (100 %R)	20 (99 %R) (1 RPD)	8/19/2011	ug/l	40 - 160	20	8260B
cis-1,3-Dichloropropene	< 2	18 (89 %R)	19 (94 %R) (5 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Toluene	< 1	21 (106 %R)	21 (103 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	< 2	17 (83 %R)	17 (87 %R) (5 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	< 2	22 (110 %R)	21 (107 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
2-Hexanone	< 10	20 (108 %R)	20 (105 %R) (3 RPD)	8/19/2011	ug/l	40 - 160	20	8260B
Tetrachloroethene	< 2	22 (109 %R)	21 (106 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	< 2	22 (108 %R)	21 (106 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Dibromochloromethane	< 2	17 (85 %R)	17 (87 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	< 2	20 (102 %R)	20 (101 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Chlorobenzene	< 2	21 (106 %R)	21 (104 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,1,1,2-Tetrachloroethane	< 2	18 (91 %R)	19 (95 %R) (4 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Ethylbenzene	< 1	22 (112 %R)	22 (108 %R) (4 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
mp-Xylene	< 1	44 (111 %R)	43 (108 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
o-Xylene	< 1	22 (109 %R)	21 (106 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Styrene	< 1	21 (107 %R)	21 (104 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Bromoform	< 2	17 (83 %R)	17 (85 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
IsoPropylbenzene	< 1	24 (119 %R)	23 (116 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Bromobenzene	< 2	21 (106 %R)	21 (105 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	< 2	22 (110 %R)	22 (108 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	< 2	22 (111 %R)	22 (109 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
n-Propylbenzene	< 1	23 (116 %R)	23 (114 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
2-Chlorotoluene	< 2	22 (111 %R)	22 (108 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
4-Chlorotoluene	< 2	22 (111 %R)	22 (110 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	< 1	23 (114 %R)	22 (112 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
tert-Butylbenzene	< 1	23 (114 %R)	22 (111 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	< 1	23 (116 %R)	23 (113 %R) (3 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
sec-Butylbenzene	< 1	23 (116 %R)	23 (114 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	< 1	22 (112 %R)	22 (110 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	< 1	23 (117 %R)	23 (115 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	< 1	22 (112 %R)	22 (111 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	< 1	22 (110 %R)	22 (109 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
n-Butylbenzene	< 1	24 (118 %R)	23 (116 %R) (2 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	< 2	17 (87 %R)	18 (91 %R) (4 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	< 1	22 (109 %R)	22 (108 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	< 1	22 (112 %R)	22 (111 %R) (1 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	< 0.5	20 (99 %R)	20 (99 %R) (0 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
Naphthalene	< 5	23 (113 %R)	23 (113 %R) (0 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	< 1	22 (108 %R)	22 (108 %R) (0 RPD)	8/19/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	97 %R	100 %R	98 %R	8/19/2011	% Rec	70 - 130	20	8260B
1,2-Dichlorobenzene-d4 (surr)	104 %R	102 %R	102 %R	8/19/2011	% Rec	70 - 130	20	8260B
Toluene-d8 (surr)	105 %R	105 %R	104 %R	8/19/2011	% Rec	70 - 130	20	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

The calibration verification sample associated with the samples deviated from % deviation criteria of 20% for ethyl-t-butyl ether (ETBE), 2,2-dichloropropane, 1,1,1-trichloroethane, carbon tetrachloride, bromoform and 1,2-dibromo-3-chloropropane.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 5	18 (91 %R)	16 (82 %R) (10 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Chloromethane	< 2	19 (95 %R)	17 (87 %R) (9 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Vinyl chloride	< 2	22 (111 %R)	20 (98 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromomethane	< 2	14 (70 %R)	13 (64 %R) (9 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Chloroethane	< 5	21 (107 %R)	20 (98 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	< 5	21 (107 %R)	20 (98 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Diethyl Ether	< 5	19 (95 %R)	18 (89 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Acetone	< 10	20 (84 %R)	10 (73 %R) (14 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
1,1-Dichloroethene	< 1	18 (90 %R)	16 (82 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	< 30	100 (100 %R)	100 (99 %R) (1 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Methylene chloride	< 5	18 (91 %R)	17 (84 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Carbon disulfide	< 5	14 (72 %R)	* 13 (64 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	< 5	19 (94 %R)	18 (89 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	< 5	18 (92 %R)	18 (88 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	< 5	20 (98 %R)	19 (93 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	< 5	19 (93 %R)	18 (90 %R) (3 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	< 2	19 (93 %R)	17 (85 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	< 2	19 (95 %R)	18 (89 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	< 2	* 14 (68 %R)	* 13 (65 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	< 2	20 (102 %R)	19 (95 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	< 10	20 (95 %R)	20 (90 %R) (5 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Bromochloromethane	< 2	19 (95 %R)	18 (91 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	< 10	20 (108 %R)	20 (101 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Chloroform	< 2	20 (98 %R)	18 (92 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	< 2	17 (87 %R)	17 (83 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Carbon tetrachloride	< 2	15 (75 %R)	14 (71 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	< 2	19 (95 %R)	18 (88 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Benzene	< 1	19 (97 %R)	18 (90 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	< 2	20 (101 %R)	19 (96 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Trichloroethene	< 2	19 (95 %R)	18 (88 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	< 2	19 (97 %R)	18 (92 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Dibromomethane	< 2	20 (98 %R)	19 (94 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromodichloromethane	< 0.5	19 (97 %R)	18 (92 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,4-Dioxane	< 50	< 50 (128 %R)	< 50 (133 %R) (4 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
4-Methyl-2-pentanone(MIBK)	< 10	20 (104 %R)	20 (97 %R) (7 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
cis-1,3-Dichloropropene	< 2	19 (94 %R)	18 (90 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Toluene	< 1	20 (101 %R)	19 (95 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	< 2	19 (93 %R)	18 (89 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	< 2	22 (108 %R)	20 (102 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2-Hexanone	< 10	20 (112 %R)	20 (105 %R) (6 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Tetrachloroethene	< 2	21 (107 %R)	19 (97 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	< 2	21 (106 %R)	20 (100 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Dibromochloromethane	< 2	18 (92 %R)	18 (89 %R) (3 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	< 2	20 (101 %R)	20 (98 %R) (3 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Chlorobenzene	< 2	20 (101 %R)	19 (96 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,1,1,2-Tetrachloroethane	< 2	20 (99 %R)	19 (95 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Ethylbenzene	< 1	21 (107 %R)	20 (101 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
mp-Xylene	< 1	43 (107 %R)	40 (99 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
o-Xylene	< 1	21 (104 %R)	20 (98 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Styrene	< 1	21 (103 %R)	19 (97 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromoform	< 2	19 (95 %R)	18 (92 %R) (3 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
IsoPropylbenzene	< 1	23 (115 %R)	21 (107 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromobenzene	< 2	20 (101 %R)	19 (96 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	< 2	22 (108 %R)	21 (103 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	< 2	22 (111 %R)	21 (105 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
n-Propylbenzene	< 1	22 (111 %R)	21 (104 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2-Chlorotoluene	< 2	21 (105 %R)	20 (99 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
4-Chlorotoluene	< 2	21 (106 %R)	20 (99 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	< 1	22 (109 %R)	20 (102 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
tert-Butylbenzene	< 1	22 (108 %R)	20 (101 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	< 1	22 (111 %R)	21 (104 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
sec-Butylbenzene	< 1	22 (110 %R)	20 (102 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	< 1	21 (106 %R)	20 (100 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	< 1	23 (113 %R)	21 (104 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	< 1	21 (106 %R)	20 (102 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	< 1	21 (106 %R)	20 (101 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
n-Butylbenzene	< 1	22 (112 %R)	21 (105 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	< 2	20 (98 %R)	19 (93 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	< 1	21 (103 %R)	20 (99 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	< 1	21 (107 %R)	21 (103 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	< 0.5	19 (96 %R)	18 (91 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Naphthalene	< 5	22 (112 %R)	21 (107 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	< 1	21 (105 %R)	20 (101 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	97 %R	101 %R	101 %R	8/29/2011	% Rec	70 - 130	20	8260B
1,2-Dichlorobenzene-d4 (surr)	105 %R	103 %R	101 %R	8/29/2011	% Rec	70 - 130	20	8260B
Toluene-d8 (surr)	104 %R	104 %R	105 %R	8/29/2011	% Rec	70 - 130	20	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

The calibration verification sample associated with the samples deviated from % deviation criteria of 20% for dichlorodifluoromethane, acetone and 2-hexanone.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	102455.05	< 5	19 (95 %R)	20 (99 %R) (4 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Chloromethane	102455.05	< 2	20 (97 %R)	20 (102 %R) (5 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Vinyl chloride	102455.05	< 2	23 (116 %R)	25 (123 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromomethane	102455.05	< 2	14 (70 %R)	16 (82 %R) (16 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Chloroethane	102455.05	9	30 (107 %R)	32 (116 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	102455.05	< 5	22 (111 %R)	24 (118 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Diethyl Ether	102455.05	13	32 (94 %R)	33 (100 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Acetone	102455.05	< 10	10 (70 %R)	20 (80 %R) (13 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
1,1-Dichloroethene	102455.05	< 1	18 (92 %R)	20 (98 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	102455.05	< 30	100 (87 %R)	110 (103 %R) (17 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Methylene chloride	102455.05	< 5	18 (90 %R)	19 (96 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Carbon disulfide	102455.05	< 5	15 (74 %R)	16 (78 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	102455.05	< 5	19 (91 %R)	20 (99 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	102455.05	< 5	18 (91 %R)	20 (98 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	102455.05	< 5	20 (98 %R)	21 (104 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	102455.05	< 5	18 (92 %R)	20 (100 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	102455.05	< 2	19 (95 %R)	20 (101 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	102455.05	< 2	20 (98 %R)	21 (103 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	102455.05	< 2	15 (76 %R)	17 (84 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	102455.05	< 2	21 (103 %R)	22 (110 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	102455.05	< 10	20 (88 %R)	20 (96 %R) (9 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Bromochloromethane	102455.05	< 2	19 (95 %R)	20 (100 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	102455.05	< 10	20 (98 %R)	30 (104 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Chloroform	102455.05	< 2	20 (99 %R)	21 (104 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	102455.05	< 2	18 (92 %R)	20 (99 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Carbon tetrachloride	102455.05	< 2	16 (79 %R)	17 (87 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	102455.05	< 2	20 (99 %R)	21 (104 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Benzene	102455.05	2	21 (98 %R)	22 (103 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	102455.05	< 2	20 (100 %R)	21 (105 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Trichloroethene	102455.05	< 2	19 (97 %R)	21 (103 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	102455.05	< 2	19 (97 %R)	21 (103 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Dibromomethane	102455.05	< 2	19 (97 %R)	20 (102 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromodichloromethane	102455.05	< 0.5	20 (98 %R)	21 (104 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,4-Dioxane	102455.05	< 50	< 50 (142 %R)	< 50 (151 %R) (6 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
4-Methyl-2-pentanone(MIBK)	102455.05	< 10	20 (96 %R)	20 (104 %R) (8 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
cis-1,3-Dichloropropene	102455.05	< 2	19 (97 %R)	21 (103 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Toluene	102455.05	< 1	21 (104 %R)	22 (110 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	102455.05	< 2	19 (94 %R)	21 (103 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	102455.05	< 2	21 (105 %R)	23 (113 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2-Hexanone	102455.05	< 10	20 (104 %R)	20 (114 %R) (9 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Tetrachloroethene	102455.05	< 2	22 (108 %R)	23 (114 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	102455.05	< 2	21 (104 %R)	22 (110 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Dibromochloromethane	102455.05	< 2	18 (91 %R)	20 (100 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	102455.05	< 2	20 (98 %R)	22 (108 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Chlorobenzene	102455.05	7	27 (102 %R)	28 (107 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
1,1,1,2-Tetrachloroethane	102455.05	< 2	20 (102 %R)	22 (110 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Ethylbenzene	102455.05	< 1	22 (109 %R)	23 (116 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
mp-Xylene	102455.05	< 1	43 (108 %R)	46 (116 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
o-Xylene	102455.05	< 1	21 (105 %R)	23 (113 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Styrene	102455.05	< 1	21 (103 %R)	22 (111 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromoform	102455.05	< 2	19 (93 %R)	20 (101 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
IsoPropylbenzene	102455.05	< 1	24 (118 %R)	25 (124 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromobenzene	102455.05	< 2	20 (101 %R)	22 (108 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	102455.05	< 2	21 (103 %R)	22 (112 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	102455.05	< 2	21 (104 %R)	22 (112 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
n-Propylbenzene	102455.05	< 1	23 (113 %R)	24 (120 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2-Chlorotoluene	102455.05	< 2	21 (107 %R)	23 (113 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
4-Chlorotoluene	102455.05	< 2	21 (107 %R)	23 (113 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	102455.05	< 1	22 (110 %R)	23 (117 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
tert-Butylbenzene	102455.05	< 1	22 (110 %R)	24 (117 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	102455.05	< 1	22 (111 %R)	24 (118 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
sec-Butylbenzene	102455.05	< 1	23 (112 %R)	24 (120 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	102455.05	< 1	21 (106 %R)	23 (113 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	102455.05	< 1	23 (113 %R)	24 (122 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	102455.05	1	22 (107 %R)	24 (114 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	102455.05	< 1	22 (106 %R)	23 (113 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
n-Butylbenzene	102455.05	< 1	23 (115 %R)	24 (122 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	102455.05	< 2	19 (93 %R)	20 (102 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	102455.05	< 1	21 (105 %R)	22 (112 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	102455.05	< 1	22 (108 %R)	24 (118 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	102455.05	< 0.5	20 (99 %R)	21 (107 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Naphthalene	102455.05	< 5	21 (106 %R)	24 (118 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	102455.05	< 1	21 (103 %R)	23 (113 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	102455.05	83 %R	101 %R	101 %R	8/29/2011	% Rec	70 - 130	20	8260B
1,2-Dichlorobenzene-d4 (surr)	102455.05	105 %R	103 %R	103 %R	8/29/2011	% Rec	70 - 130	20	8260B
Toluene-d8 (surr)	102455.05	99 %R	106 %R	105 %R	8/29/2011	% Rec	70 - 130	20	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-AE-2A-0811	GW-AE-2B-0811	GW-OP-2-0811	GW-OP-5-0811	GW-AE-3B-0811	GW-AE-38DUP-0811	GW-FPC-8A-0811
Lab Sample ID:	102455.01	102455.02	102455.03	102455.04	102455.05	102455.06	102455.1
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/16/11	8/16/11	8/17/11	8/17/11	8/17/11	8/17/11	8/17/11
Date Received:	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/24/11	8/24/11	8/24/11	8/24/11	8/25/11	8/25/11	8/25/11
Analyst:	VG	VG	VG	VG	VG	VG	VG
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	10	1	1	1	1	1
1,4-Dioxane	**14**	**80**	**1**	< 1	**19**	**20**	< 1
4-Bromofluorobenzene (surr)	**90 %R**	**98 %R**	**93 %R**	**88 %R**	**83 %R**	**87 %R**	**84 %R**
Toluene-d8 (surr)	**99 %R**	**103 %R**	**95 %R**	**86 %R**	**99 %R**	**86 %R**	**96 %R**

Client: **Provan & Lorber (Co)**

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Sample ID:	GW-FPC-8B-0811	GW-AE-3B-FB-0811	GW-MW-4-0811	GW-MW-5D-0811	GW-MW-8-0811	GW-FPC-7A-0811	GW-FPC-7B-0811
Lab Sample ID:	102455.11	102455.14	102455.15	102455.16	102455.17	102455.18	102455.19
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/17/11	8/17/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11
Date Received:	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11	8/18/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/25/11	8/25/11	8/25/11	8/25/11	8/25/11	8/26/11	8/26/11
Analyst:	VG	VG	VG	VG	VG	VG	VG
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1	10	10	1	1
1,4-Dioxane	< 1	< 1	**6**	**140**	**200**	< 1	< 1
4-Bromofluorobenzene (surr)	**100 %R**	**93 %R**	**87 %R**	**83 %R**	**88 %R**	**90 %R**	**88 %R**
Toluene-d8 (surr)	**95 %R**	**99 %R**	**103 %R**	**99 %R**	**94 %R**	**89 %R**	**97 %R**

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Sample ID: Trip Blank - 1,4 Diox.

Lab Sample ID:	102455.21
Matrix:	aqueous
Date Sampled:	8/10/11
Date Received:	8/18/11
Units:	ug/l
Date of Analysis:	8/26/11
Analyst:	VG
Method:	8260B SIM
Dilution Factor:	1

1,4-Dioxane	< 1
4-Bromofluorobenzene (surr)	**90 %R**
Toluene-d8 (surr)	**95 %R**

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Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	4 (83 %R)	4 (87 %R) (5 RPD)	8/24/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	92 %R	87 %R	86 %R	8/24/2011	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	101 %R	99 %R	85 %R	8/24/2011	% Rec	70 - 130	50	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

Client: **Provan & Lorber (Co)**

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Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	5 (102 %R)	5 (103 %R) (1 RPD)	8/25/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	89 %R	80 %R	98 %R	8/25/2011	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	103 %R	100 %R	102 %R	8/25/2011	% Rec	70 - 130	50	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
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Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	102455.0	19	25 (104 %R)	24 (83 %R) (22 RPD) !	8/25/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	102455.0	83 %R	82 %R	96 %R	8/25/2011	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	102455.0	99 %R	101 %R	98 %R	8/25/2011	% Rec	70 - 130	50	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

The RPD exceeded acceptabi;ity criteria for 1,4-dioxane. The LCS/LCSD showed acceptable RPD criteria.

Client: **Provan & Lorber (Co)**

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Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	5 (101 %R)	5 (99 %R) (2 RPD)	8/26/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	84 %R	86 %R	86 %R	8/26/2011	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	97 %R	94 %R	100 %R	8/26/2011	% Rec	70 - 130	50	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-AE-2A-0811	GW-AE-2B-0811	GW-OP-5-0811	GW-AE-3B-0811					
Lab Sample ID:	102455.01	102455.02	102455.04	102455.05					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/16/11	8/16/11	8/17/11	8/17/11					
Date Received:	8/18/11	8/18/11	8/18/11	8/18/11	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Iron	**19**	**8.6**	**14**	**14**	AqDis	mg/L	8/24/11	200.8	DS
Manganese	**0.83**	**1.2**	**2.8**	**1.3**	AqDis	mg/L	8/24/11	200.8	DS
Aluminum	< 0.05	**0.07**	**0.07**	< 0.05	AqTot	mg/L	8/24/11	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Arsenic	**0.25**	**0.028**	**0.027**	**0.083**	AqTot	mg/L	8/24/11	200.8	DS
Barium	**0.034**	**0.12**	**0.017**	**0.15**	AqTot	mg/L	8/24/11	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Calcium	**27**	**39**	**10**	**42**	AqTot	mg/L	8/24/11	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Copper	< 0.001	< 0.001	**0.001**	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Cobalt	**0.011**	**0.001**	**0.017**	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Iron	**17**	**8.8**	**13**	**15**	AqTot	mg/L	8/24/11	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Magnesium	**9.9**	**24**	**2.6**	**19**	AqTot	mg/L	8/24/11	200.8	DS
Manganese	**0.74**	**1.2**	**2.7**	**1.4**	AqTot	mg/L	8/24/11	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/24/11	200.8	DS
Nickel	**0.008**	**0.007**	**0.024**	**0.005**	AqTot	mg/L	8/24/11	200.8	DS
Potassium	**16**	**11**	**1.9**	**18**	AqTot	mg/L	8/24/11	200.8	DS
Selenium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Sodium	**33**	**140**	**9**	**64**	AqTot	mg/L	8/24/11	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Vanadium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Zinc	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/24/11	200.8	DS

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Sample ID:	GW-OP-2-0811	GW-AE-4A-08 11	GW-AE-4B-08 11	GW-MW-4-08 11					
Lab Sample ID:	102455.03	102455.07	102455.08	102455.15					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/17/11	8/17/11	8/17/11	8/18/11	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/18/11	8/18/11	8/18/11	8/18/11					
Iron	**43**	**0.97**	< 0.05	**22**	AqDis	mg/L	8/24/11	200.8	DS
Manganese	**0.96**	**0.32**	**0.10**	**1.1**	AqDis	mg/L	8/24/11	200.8	DS
Aluminum	< 0.05	< 0.05	**0.5**	**0.3**	AqTot	mg/L	8/25/11	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Arsenic	**0.21**	**0.001**	< 0.001	**0.081**	AqTot	mg/L	8/24/11	200.8	DS
Barium	**0.015**	**0.012**	**0.012**	**0.067**	AqTot	mg/L	8/24/11	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/25/11	200.8	DS
Calcium	**36**	**6.8**	**7.3**	**63**	AqTot	mg/L	8/25/11	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	**0.001**	AqTot	mg/L	8/25/11	200.8	DS
Copper	< 0.001	< 0.001	**0.002**	**0.003**	AqTot	mg/L	8/25/11	200.8	DS
Cobalt	**0.005**	< 0.001	< 0.001	**0.004**	AqTot	mg/L	8/25/11	200.8	DS
Iron	**45**	**3.6**	**0.8**	**24**	AqTot	mg/L	8/25/11	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Magnesium	**7.7**	**5.5**	**5.4**	**19**	AqTot	mg/L	8/25/11	200.8	DS
Manganese	**1.0**	**0.47**	**0.22**	**1.3**	AqTot	mg/L	8/25/11	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/24/11	200.8	DS
Nickel	**0.007**	< 0.001	< 0.001	**0.012**	AqTot	mg/L	8/25/11	200.8	DS
Potassium	**14**	**2.7**	**4.1**	**29**	AqTot	mg/L	8/25/11	200.8	DS
Selenium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Sodium	**13**	**8**	**18**	**30**	AqTot	mg/L	8/25/11	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Vanadium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/25/11	200.8	DS
Zinc	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/25/11	200.8	DS

Client: **Provan & Lorber (Co)**

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Sample ID:	GW-FPC-4B-0811	GW-FPC-8B-0811	GW-GZ-105-0811	GW-GZ-123-0811					
Lab Sample ID:	102455.09	102455.11	102455.12	102455.13					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/17/11	8/17/11	8/17/11	8/17/11					
Date Received:	8/18/11	8/18/11	8/18/11	8/18/11	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Iron	< 0.05	< 0.05	**4.6**	**5.1**	AqDis	mg/L	8/24/11	200.8	DS
Manganese	< 0.005	**0.029**	**0.46**	**2.3**	AqDis	mg/L	8/24/11	200.8	DS
Aluminum	< 0.05	< 0.05	< 0.05	< 0.05	AqTot	mg/L	8/24/11	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Arsenic	< 0.001	**0.008**	**0.016**	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Barium	**0.005**	**0.007**	**0.059**	**0.005**	AqTot	mg/L	8/24/11	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Calcium	**4.1**	**21**	**73**	**12**	AqTot	mg/L	8/24/11	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Copper	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Cobalt	< 0.001	< 0.001	< 0.001	**0.005**	AqTot	mg/L	8/24/11	200.8	DS
Iron	< 0.05	**0.09**	**4.8**	**6.0**	AqTot	mg/L	8/24/11	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Magnesium	**2.6**	**4.5**	**23**	**3.5**	AqTot	mg/L	8/24/11	200.8	DS
Manganese	< 0.005	**0.032**	**0.47**	**2.4**	AqTot	mg/L	8/24/11	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/24/11	200.8	DS
Nickel	< 0.001	< 0.001	**0.008**	**0.003**	AqTot	mg/L	8/24/11	200.8	DS
Potassium	**1.9**	**2.7**	**6.2**	**1.9**	AqTot	mg/L	8/24/11	200.8	DS
Selenium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Sodium	**6**	**17**	**140**	**15**	AqTot	mg/L	8/24/11	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Vanadium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Zinc	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/24/11	200.8	DS

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-AE-3B-FB-0811	GW-FPC-7A-0811	GW-FPC-7B-0811	Analytical Matrix	Units	Date of Analysis	Method	Analyst
Lab Sample ID:	102455.14	102455.18	102455.19					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	8/17/11	8/18/11	8/18/11					
Date Received:	8/18/11	8/18/11	8/18/11					
Iron	< 0.05	< 0.05	< 0.05	AqDis	mg/L	8/24/11	200.8	DS
Manganese	< 0.005	< 0.005	< 0.005	AqDis	mg/L	8/24/11	200.8	DS
Aluminum	< 0.05	< 0.05	< 0.05	AqTot	mg/L	8/24/11	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Arsenic	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Barium	< 0.001	**0.003**	**0.003**	AqTot	mg/L	8/24/11	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/25/11	200.8	DS
Calcium	< 0.05	**11**	**14**	AqTot	mg/L	8/24/11	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Copper	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Cobalt	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Iron	< 0.05	< 0.05	< 0.05	AqTot	mg/L	8/24/11	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Magnesium	< 0.05	**3.2**	**3.8**	AqTot	mg/L	8/24/11	200.8	DS
Manganese	< 0.005	< 0.005	**0.015**	AqTot	mg/L	8/24/11	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/24/11	200.8	DS
Nickel	< 0.001	**0.003**	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Potassium	< 0.05	**1.8**	**1.9**	AqTot	mg/L	8/25/11	200.8	DS
Selenium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Sodium	< 5	**7**	**8**	AqTot	mg/L	8/24/11	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Vanadium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Zinc	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/24/11	200.8	DS

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-FPC-8A-0811	GW-MW-5D-0811	GW-MW-8-0811					
Lab Sample ID:	102455.1	102455.16	102455.17					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	8/17/11	8/18/11	8/18/11					
Date Received:	8/18/11	8/18/11	8/18/11	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Aluminum	**1.0**	< 0.05	< 0.05	AqTot	mg/L	8/24/11	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Arsenic	**0.008**	**0.010**	**0.016**	AqTot	mg/L	8/24/11	200.8	DS
Barium	**0.010**	**0.13**	**0.34**	AqTot	mg/L	8/24/11	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/25/11	200.8	DS
Calcium	**18**	**29**	**38**	AqTot	mg/L	8/24/11	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Chromium	**0.003**	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Copper	**0.002**	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Cobalt	< 0.001	**0.001**	**0.005**	AqTot	mg/L	8/24/11	200.8	DS
Iron	**2.6**	**13**	**9.9**	AqTot	mg/L	8/24/11	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Magnesium	**3.1**	**25**	**42**	AqTot	mg/L	8/24/11	200.8	DS
Manganese	**0.26**	**0.78**	**1.7**	AqTot	mg/L	8/24/11	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/24/11	200.8	DS
Nickel	**0.003**	**0.009**	**0.019**	AqTot	mg/L	8/24/11	200.8	DS
Potassium	**2.0**	**21**	**18**	AqTot	mg/L	8/24/11	200.8	DS
Selenium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Sodium	**12**	**130**	**170**	AqTot	mg/L	8/24/11	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Vanadium	**0.002**	< 0.001	**0.002**	AqTot	mg/L	8/24/11	200.8	DS
Zinc	**0.006**	< 0.005	< 0.005	AqTot	mg/L	8/24/11	200.8	DS

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID: GW-AE-38DUP-081 1

Lab Sample ID: 102455.06

Matrix: aqueous

Date Sampled: 8/17/11

Date Received: 8/18/11

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Iron	**15**	AqDis	mg/L	8/24/11	200.8	DS
Manganese	**1.3**	AqDis	mg/L	8/24/11	200.8	DS
Aluminum	< 0.05	AqTot	mg/L	8/25/11	200.8	DS
Antimony	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Arsenic	**0.081**	AqTot	mg/L	8/24/11	200.8	DS
Barium	**0.14**	AqTot	mg/L	8/24/11	200.8	DS
Beryllium	< 0.001	AqTot	mg/L	8/25/11	200.8	DS
Calcium	**47**	AqTot	mg/L	8/25/11	200.8	DS
Cadmium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Chromium	< 0.001	AqTot	mg/L	8/25/11	200.8	DS
Copper	< 0.001	AqTot	mg/L	8/25/11	200.8	DS
Cobalt	< 0.001	AqTot	mg/L	8/25/11	200.8	DS
Iron	**18**	AqTot	mg/L	8/25/11	200.8	DS
Lead	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Magnesium	**22**	AqTot	mg/L	8/25/11	200.8	DS
Manganese	**1.6**	AqTot	mg/L	8/25/11	200.8	DS
Mercury	< 0.0001	AqTot	mg/L	8/24/11	200.8	DS
Nickel	**0.006**	AqTot	mg/L	8/25/11	200.8	DS
Potassium	**20**	AqTot	mg/L	8/25/11	200.8	DS
Selenium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Silver	< 0.001	AqTot	mg/L	8/31/11	200.8	DS
Sodium	**73**	AqTot	mg/L	8/25/11	200.8	DS
Thallium	< 0.001	AqTot	mg/L	8/24/11	200.8	DS
Vanadium	< 0.001	AqTot	mg/L	8/25/11	200.8	DS
Zinc	< 0.005	AqTot	mg/L	8/25/11	200.8	DS

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	< 0.05	12 (105 %R)		mg/L	8/24/11	85 - 115	20	200.8
Antimony	< 0.001	1.1 (109 %R)		mg/L	8/24/11	85 - 115	20	200.8
Arsenic	< 0.001	1.0 (100 %R)		mg/L	8/24/11	85 - 115	20	200.8
Barium	< 0.001	0.97 (97 %R)		mg/L	8/24/11	85 - 115	20	200.8
Beryllium	< 0.001	1.0 (102 %R)		mg/L	8/31/11	85 - 115	20	200.8
Calcium	< 0.05	11 (103 %R)		mg/L	8/24/11	85 - 115	20	200.8
Cadmium	< 0.001	0.97 (97 %R)		mg/L	8/24/11	85 - 115	20	200.8
Chromium	< 0.001	0.97 (97 %R)		mg/L	8/24/11	85 - 115	20	200.8
Copper	< 0.001	0.91 (91 %R)		mg/L	8/24/11	85 - 115	20	200.8
Cobalt	< 0.001	0.96 (96 %R)		mg/L	8/24/11	85 - 115	20	200.8
Iron	0.55	12 (105 %R)		mg/L	8/24/11	85 - 115	20	200.8
Lead	< 0.001	0.97 (97 %R)		mg/L	8/24/11	85 - 115	20	200.8
Magnesium	< 0.05	11 (104 %R)		mg/L	8/24/11	85 - 115	20	200.8
Manganese	< 0.005	0.97 (97 %R)		mg/L	8/24/11	85 - 115	20	200.8
Mercury	< 0.0001	0.0011 (105 %R)		mg/L	8/24/11	85 - 115	20	200.8
Nickel	< 0.001	0.87 (87 %R)		mg/L	8/24/11	85 - 115	20	200.8
Potassium	0.10	12 (105 %R)		mg/L	8/24/11	85 - 115	20	200.8
Selenium	< 0.001	0.95 (95 %R)		mg/L	8/24/11	85 - 115	20	200.8
Silver	< 0.001	0.11 (107 %R)		mg/L	8/24/11	85 - 115	20	200.8
Sodium	< 5	12 (106 %R)		mg/L	8/24/11	85 - 115	20	200.8
Thallium	< 0.001	0.98 (98 %R)		mg/L	8/24/11	85 - 115	20	200.8
Vanadium	0.002	0.98 (98 %R)		mg/L	8/24/11	85 - 115	20	200.8
Zinc	< 0.005	0.95 (95 %R)		mg/L	8/24/11	85 - 115	20	200.8

Iron: A low concentration of iron was found in the method blank. All samples that had an iron concentration less than 10x the concentration found in the method blank were redigested with a new blank and analyzed. The redigested method blank was ND and all redigested sample values supported that original sample concentrations. A contamination of the original method blank is suspected.

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	102455.05	< 0.05	9.2 (84 %R)	9.0 (82 %R) (2 RPD)	mg/L	8/24/11	70-130	20	200.8
Antimony	102455.05	< 0.001	1.2 (123 %R)	1.2 (124 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Arsenic	102455.05	0.083	1.1 (102 %R)	1.1 (103 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Barium	102455.05	0.15	1.3 (111 %R)	1.2 (110 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Beryllium	102455.05	< 0.001	0.89 (89 %R)	0.95 (95 %R) (7 RPD)	mg/L	8/31/11	70-130	20	200.8
Calcium	102455.05	42	52 (93 %R)	51 (88 %R) (6 RPD)	mg/L	8/24/11	70-130	20	200.8
Cadmium	102455.05	< 0.001	1.0 (103 %R)	1.0 (103 %R) (0 RPD)	mg/L	8/24/11	70-130	20	200.8
Chromium	102455.05	< 0.001	0.84 (84 %R)	0.84 (84 %R) (0 RPD)	mg/L	8/24/11	70-130	20	200.8
Copper	102455.05	< 0.001	0.75 (75 %R)	0.77 (77 %R) (3 RPD)	mg/L	8/24/11	70-130	20	200.8
Cobalt	102455.05	< 0.001	0.80 (80 %R)	0.82 (82 %R) (2 RPD)	mg/L	8/24/11	70-130	20	200.8
Iron	102455.05	15	25 (87 %R)	25 (88 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Lead	102455.05	< 0.001	0.97 (97 %R)	0.97 (97 %R) (0 RPD)	mg/L	8/24/11	70-130	20	200.8
Magnesium	102455.05	19	29 (87 %R)	28 (82 %R) (6 RPD)	mg/L	8/24/11	70-130	20	200.8
Manganese	102455.05	1.4	2.2 (85 %R)	2.2 (84 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Mercury	102455.05	< 0.0001	0.0010 (101 %R)	0.0010 (101 %R) (0 RPD)	mg/L	8/24/11	70-130	20	200.8
Nickel	102455.05	0.005	0.74 (73 %R)	0.75 (74 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Potassium	102455.05	18	28 (91 %R)	28 (87 %R) (4 RPD)	mg/L	8/24/11	70-130	20	200.8
Selenium	102455.05	< 0.001	0.94 (94 %R)	0.95 (95 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Silver	102455.05	< 0.001	0.89 (89 %R)	0.89 (89 %R) (0 RPD)	mg/L	8/24/11	70-130	20	200.8
Sodium	102455.05	64	73 (88 %R)	73 (94 %R) (7 RPD)	mg/L	8/24/11	70-130	20	200.8
Thallium	102455.05	< 0.001	0.99 (99 %R)	0.99 (99 %R) (0 RPD)	mg/L	8/24/11	70-130	20	200.8
Vanadium	102455.05	< 0.001	0.87 (87 %R)	0.88 (88 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Zinc	102455.05	< 0.005	0.75 (75 %R)	0.76 (76 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Iron	< 0.05	12 (105 %R)		mg/L	8/24/11	85 - 115	20	200.8
Manganese	< 0.005	0.97 (97 %R)		mg/L	8/24/11	85 - 115	20	200.8

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Iron	102455.05	14	25 (87 %R)	25 (88 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8
Manganese	102455.05	1.3	2.2 (85 %R)	2.2 (84 %R) (1 RPD)	mg/L	8/24/11	70-130	20	200.8

Aqdis

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

Page 1 of 2

CHAIN-OF-CUSTODY RECORD

FOR LA

102455

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX	VOC: 524.2 MTBE ONLY	VOC: 624 (8260B) VTICS	VOC: 1,4 DIOXANE EDB DBCP	VOC: 8021B BTEX HALOS	VOC: 8015B GRO MEGRO MAVPH	SVOC: 8270D 625 SVTICS ABN A BN PAH	SVOC: TPH8100 L1 L2	SVOC: 8015B DRO MEDRO MAEPH	SVOC: PEST 608 PCB 608 PEST 8081A PCB 8082	SVOC: OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW)	METALS: TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.	INORGANICS: BR Cl F SO_4 NO_2 NO_2NO_3	INORGANICS: BOD CBOD T. ALK.	INORGANICS: TKN NH_3 T. PHOS. O. PHOS.	INORGANICS: pH T. RES. CHLORINE	INORGANICS: COD PHENOLS TOC DOC	INORGANICS: TOTAL CYANIDE TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI FECAL COLIFORM	MICRO: ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER: 1,4-Dioxane	OTHER: Vol 23 TAL Metals	# OF CONTAINERS	NOTES MEOH VIAL #
GW-AE-2A-0811	8-16-11 / 18:05	GW	G			X										X												X	X	6	
GW-AE-2B-0811	↓ 17:00					X										X												X	X	6	
GW-OP-2-0811	8-17-11 / 17:40															X												X	X	4	
GW-OP-5-0811	18:50															X												X	X	4	
GW-AE-3B-0811	19:20					X										X												X	X	6	18
GW-AE-3B-DUP-0811	18:20					X										X												X	X	6	
GW-AE-4A-0811	13:40					X										X													X	4	
GW-AE-4B-0811	12:20					X										X													X	4	
GW-FPC-4B-0811	10:50					X										X													X	4	
GW-FPC-8A-0811	↓ 11:00	↓	↓			X																						X	X	5	
MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER						H										N												–	N		
PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH																															

PROJECT MANAGER: Kerry McKibben

COMPANY: Provan + Lorber

ADDRESS: P.O. Box 389

CITY: Contoocook STATE: NH ZIP: 03229

PHONE: 603-746-3220 EXT.:

FAX: 746-5642

E-MAIL:

SITE NAME: Cooley Landfill

PROJECT #: P1087

STATE: (NH) MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:

QUOTE #: ? PO #:

DATE NEEDED: Standard T.A.T.

QA/QC REPORTING LEVEL: A B C (Special) OR

PRESUMPTIVE CERTAINTY

REPORTING OPTIONS: PRELIMS: YES OR NO; IF YES: FAX OR (PDF)

ELECTRONIC OPTIONS: NO FAX E-MAIL (PDF) EQUIS

TEMP. 4 °C ICE? (YES) NO

SAMPLER(S): K. McKibben, S. Duguay

	DATE	TIME	
RELINQUISHED BY: Kerry McKibben	8-18-11	14:15	RECEIVED BY:
RELINQUISHED BY:	8/18/11	15:40	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA 13 PP (Fe, Mn) Pb, Cu

OTHER METALS:

DISSOLVED METALS FIELD FILTERED? (YES) NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

MS + MSD Samples included for GW-AE-3B-0811 (#102455-05)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

eastern analytical, inc. professional laboratory services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | FAX: 603.228.4591 | E-MAIL: CUSTOMER_SERVICE@EAILABS.COM | WWW.EAILABS.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

Page 2 of 2

CHAIN-OF-CUSTODY RECORD

102455

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX	524.2 MTBE ONLY	524.2 VTICs	624 VTICs	1,4 DIOXANE	EDB	DBCP	8021B BTEX	HALOS	8015B GRO	MEGRO	MAVPH	SVOC: 8270D 625 SVTICs	ABN A BN PAH	TPH8100 L1 L2	8015B DRO	MEDRO	MAEPH	PEST 608 PCB 608	PEST 8081A PCB 8082	OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS	VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW)	TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.	BR CL F SO4 NO2 NO3 NO2NO3	BOD CBOD T. ALK.	TKN NH3 T. PHOS. O. PHOS.	pH T. RES. CHLORINE	COD PHENOLS TOC DOC	TOTAL CYANIDE TOTAL SULFIDE	REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI	FECAL COLIFORM	ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER: 1,4-Dioxane	Total 23 TAL Metals	# OF CONTAINERS	NOTES MEOH VIAL #
GW-FPC-8B-0811	8-17-11/13:20	GW	G				X																			X													X	X		6	
GW-GZ-105-0811	15:00	↓	↓				X																			X														X		4	
GW-GZ-123-0811	16:00						X																			X														X		4	
GW-AE-3B-FB-0811	18:00	DI					X																			X														X	X		6	
GW-MW-4-0811	8-18-11/13:45	GW																								X														X	X		4	
GW-MW-5D-0811	10:55						X																																	X	X		5	
GW-MW-8-0811	13:45						X																																	X	X		5	
GW-FPC-7A-0811	11:35																									X														X	X		4	
GW-FPC-7B-0811	10:45	↓	↓																							X														X	X		4	
Trip Blank							X																																	X			4	
MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER							H																			N														-	N			
PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH																																													

PROJECT MANAGER: Kevin McKibben

COMPANY: Provan & Lorber

ADDRESS: P.O. Box 389

CITY: Contoocook STATE: NH ZIP: 03229

PHONE: 603-746-3220 EXT.:

FAX: 746-5642

E-MAIL:

SITE NAME: Cookley Landfill

PROJECT #: P1081

STATE: (NH) MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:

QUOTE #: ? PO #:

DATE NEEDED: Standard T.A.T.

QA/QC REPORTING LEVEL: A B C Special OR PRESUMPTIVE CERTAINTY

REPORTING OPTIONS: PRELIMS: YES OR NO; IF YES: FAX OR (PDF)

ELECTRONIC OPTIONS: NO FAX E-MAIL (PDF) EQUIS

TEMP. 4 °C ICE? (YES) NO

SAMPLER(S): K. McKibben, S. Dupuay

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Kevin McKibben	8-18-11	14:15	
	8/18/11	15:40	M. Zuk-MailCorp
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA 13 PP (Fe, Mn) Pb, Cu

OTHER METALS:

DISSOLVED METALS FIELD FILTERED? (YES) NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

eastern analytical, inc. 25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | FAX: 603.228.4591 | E-MAIL: CUSTOMER_SERVICE@EAILABS.COM | WWW.EAILABS.COM
professional laboratory services

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

Volatile Organic Analysis
8260B Initial Calibration
102455

IS/SS ID= V- 3815
Standard ID= V- 3816A
Gas Standard ID= V- 3817
LCS/LCSD and/or MS/MSD Standard ID= V-3805
V-3806

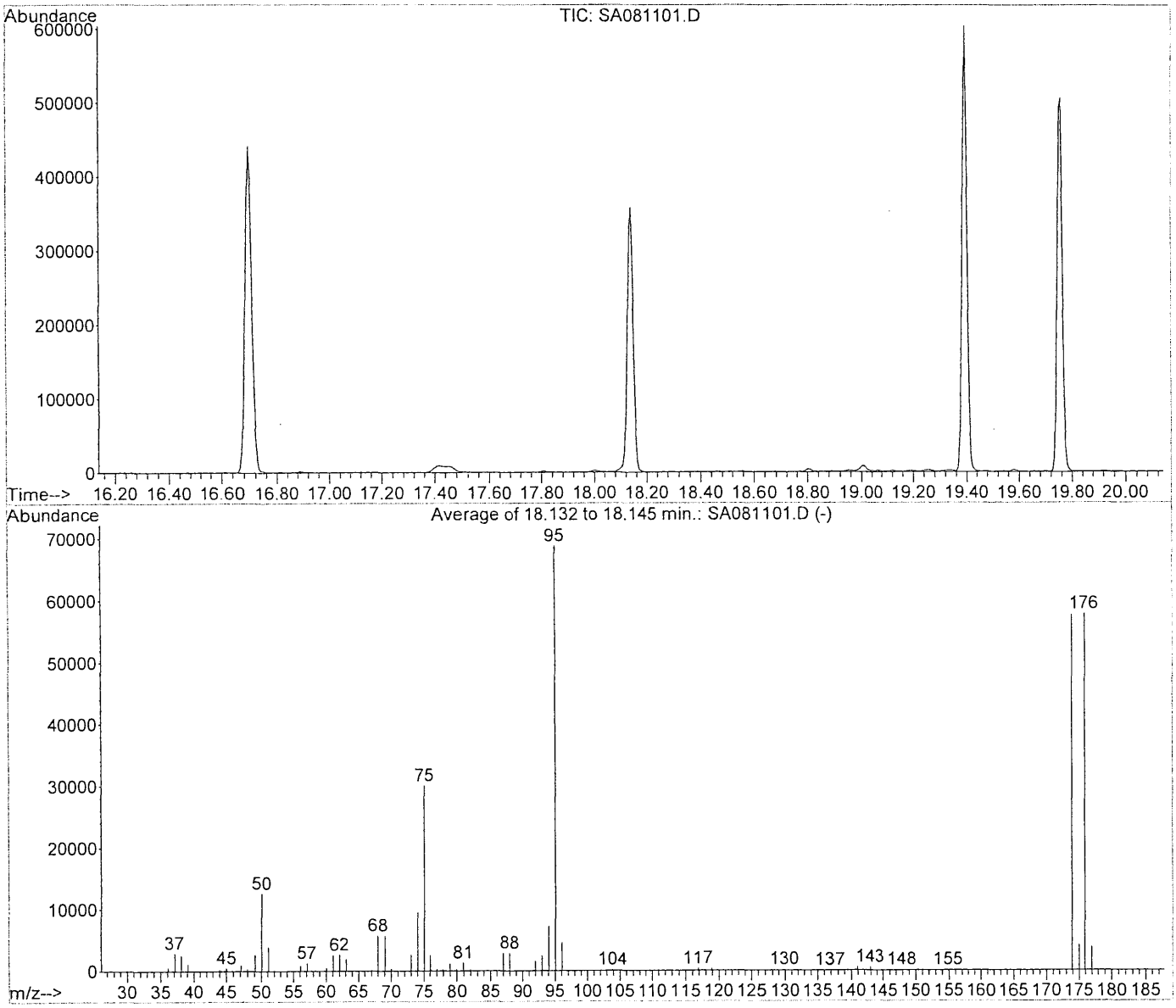
Analyst: HO/VG

Date: 8/11/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA081101	BFB					VOCMS		autotuned		
2	02	25 ng BFB					VOCMS		autotuned		
3	03	STD0.2					VOCMS		DO not spike with IS/SS		
4	04	0.5					VOCMS				
5	05	1					VOCMS				
6	06	2					VOCMS		STD0.2		
7	7	5					VOCMS		STD0.5		
8	8	10					VOCMS		1		
9	9	20					VOCMS		2		
10	10	50					VOCMS		5		
11	11	100					VOCMS		10		
12	12	G50					VOCMS		~~STD20~~ (MW) Blank		
13	13	STD200					VOCMS		~~50~~ 20		
14	14	G100					VOCMS		~~100~~ Blank		
15	15	G200					VOCMS		G50 50		
16	16	STD300					VOCMS		STD200 100		
17	17	Blank					VOCMS		G100 G50		
18	18	+					VOCMS		G200 STD200		
19	19	*					VOCMS		STD300 G100		
20	20	G300					VOCMS		G300 G200		
21	21	G400					VOCMS		~~G400~~ STD300		
22	22	G400					VOCMS		(W) G300		
23	23	LCS 10					VOCMS		G400		
24	24	LCS 20					VOCMS				
							VOCMS				
							VOCMS				
							VOCMS		NEW ICALS:		
							VOCMS				
							VOCMS		5LIDO811 0.5-100 LR		
							VOCMS		5VIDO811		
							VOCMS		5LIDO811A: 10-300ppb LR		
							VOCMS				
							VOCMS				
							VOCMS		NOTE: GAS Conc. are		
							VOCMS		double in all points.		
							VOCMS		Stock solution		
							VOCMS		prepared at 100µg/mL		
							VOCMS		instead of 50µg/mL		
							VOCMS				
							VOCMS		8/13/11		
							VOCMS				
							VOCMS				
							VOCMS				

Samples removed from autosampler, order and pH verified by _____

Data File : W:\1\DATA\AUG1111\SA081101.D Vial: 1
Acq On : 11 Aug 2011 7:48 am Operator: VG
Sample : BFB Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010



Spectrum Information: Average of 18.132 to 18.145 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	12652	PASS
75	95	30	60	43.7	30093	PASS
95	95	100	100	100.0	68792	PASS
96	95	5	9	6.7	4635	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.7	57552	PASS
175	174	5	9	7.2	4156	PASS
176	174	95	101	100.3	57701	PASS
177	176	5	9	6.6	3791	PASS

Response Factor Report VOAMS5

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration

Calibration Files
1 =SA081108.D 2 =SA081109.D 5 =SA081110.D
10 =SA081111.D 20 =SA081113.D 50 =SA081115.D

		Compound	1	2	5	10	20	50	Avg	%RSD
1)	I	Fluorobenzene IS	----------ISTD----------							
2)		dichlorodifluor	0.262	0.267	0.245	0.264	0.276	0.290	0.271	7.37
3)	P	chloromethane	0.306	0.307	0.278	0.298	0.310	0.327	0.312	6.58
4)	C	vinyl chloride	0.186	0.183	0.163	0.168	0.165	0.146	0.154	15.26
5)		bromomethane	0.118	0.121	0.128	0.142	0.154	0.171	0.150	14.66
6)		chloroethane	0.158	0.152	0.145	0.156	0.160	0.165	0.153	5.79
7)		trichlorofluoro	0.320	0.316	0.297	0.323	0.338	0.356	0.333	6.05
8)		diethyl ether	0.191	0.170	0.194	0.186	0.194	0.204	0.192	4.90
9)		1,1,2-Trichloro	0.241	0.218	0.229	0.229	0.243	0.253	0.237	4.58
10)		acrolein		0.010	0.009	0.007	0.007	0.006	0.007	23.72
11)		acetone		0.083	0.075	0.071	0.071	0.072	0.071	9.15
12)	CM	1,1-dichloroeth	0.221	0.199	0.210	0.213	0.228	0.235	0.220	5.20
13)		tert-Butyl Alco	0.017	0.014	0.015	0.014	0.014	0.015	0.015	7.48
14)		Iodomethane		0.141	0.173	0.203	0.230	0.266	0.235	22.02
15)		methylene chlor	0.278	0.234	0.240	0.233	0.238	0.246	0.249	12.48
16)		carbon disulfid	0.992	0.709	0.688	0.701	0.728	0.753	0.744	12.97
17)		acrylonitrile		0.083	0.094	0.089	0.091	0.095	0.090	4.18
18)		Methyl-t-butyl	0.526	0.469	0.527	0.504	0.523	0.553	0.524	4.45
19)		trans-1,2-dichl	0.246	0.221	0.237	0.238	0.249	0.260	0.244	4.57
20)		hexane	0.355	0.321	0.333	0.335	0.353	0.358	0.351	5.82
21)		Isopropyl ether	0.927	0.828	0.926	0.898	0.936	0.977	0.924	4.63
22)		vinyl acetate	0.304	0.312	0.304	0.317	0.332		0.341	12.14
23)	P	1,1-dichloroeth	0.488	0.437	0.471	0.460	0.483	0.502	0.478	4.01
24)		Ethyl-t-butyl e	0.723	0.652	0.732	0.703	0.740	0.781	0.738	5.60
25)		2,2-dichloropro	0.311	0.281	0.302	0.304	0.323	0.340	0.321	7.64
26)		cis-1,2-dichlor	0.400	0.352	0.383	0.375	0.392	0.408	0.385	4.37
27)		2-butanone (MEK	0.113	0.102	0.112	0.105	0.105	0.109	0.110	7.85
28)		bromochlorometh	0.139	0.123	0.137	0.134	0.139	0.146	0.136	5.43
29)		Tetrahydrofuran	0.073	0.062	0.066	0.060	0.060	0.064	0.064	6.54
30)	C	chloroform	0.442	0.499	0.436	0.422	0.444	0.468	0.450	4.90
31)	S	SS Dibromofluor	0.232	0.233	0.236	0.237	0.237	0.240	0.237	1.28
32)		1,1,1-trichloro	0.344	0.310	0.339	0.344	0.371	0.398	0.364	8.91
33)		carbon tetrachl	0.238	0.221	0.249	0.260	0.295	0.334	0.289	18.39
34)		1,1-dichloropro	0.360	0.327	0.347	0.347	0.373	0.386	0.360	5.02
35)	S	SS 1,2-DCA-d4_M	0.246	0.249	0.249	0.251	0.249	0.250	0.249	0.97
36)		tert-amyl methy	0.561	0.502	0.567	0.543	0.568	0.608	0.576	6.81
37)	M	benzene	1.131	1.010	1.104	1.072	1.128	1.156	1.092	5.23
38)		1,2-dichloroeth	0.341	0.300	0.332	0.316	0.330	0.342	0.326	4.83
39)	M	trichloroethene	0.286	0.252	0.270	0.271	0.285	0.297	0.278	5.02
40)	C	1,2-dichloropro	0.290	0.258	0.287	0.277	0.290	0.302	0.285	4.54
41)		1,4-dioxaneV			0.002	0.002	0.002	0.002	0.002	14.65
42)		dibromomethane	0.154	0.133	0.149	0.143	0.148	0.156	0.148	4.58
43)		bromodichlorome	0.255	0.247	0.278	0.283	0.309	0.342	0.300	13.36
44)		2-Chloroethoxye	0.116	0.117	0.122	0.129	0.133	0.142	0.130	11.81
45)		4-methyl-2-pent	0.074	0.067	0.079	0.076	0.079	0.085	0.078	7.73
46)		cis-1,3-dichlor	0.329	0.299	0.353	0.353	0.379	0.412	0.364	10.98
47)	I	Chlorobenzene-D5 IS	----------ISTD----------							
48)	S	SS Toluene-d8_M	1.246	1.252	1.251	1.246	1.239	1.242	1.243	0.44
49)	CM	toluene	1.540	1.380	1.491	1.441	1.508	1.547	1.466	7.09
50)		trans-1,3-dichl	0.345	0.314	0.382	0.379	0.416	0.459	0.398	14.01
51)		1,1,2-trichloro	0.223	0.202	0.225	0.213	0.222	0.231	0.220	4.68
52)		2-hexanone		0.158	0.183	0.175	0.180	0.188	0.173	6.30

(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration

Calibration Files
1 =SA081108.D 2 =SA081109.D 5 =SA081110.D
10 =SA081111.D 20 =SA081113.D 50 =SA081115.D

		Compound	1	2	5	10	20	50	Avg	%RSD
53)		tetrachloroethe	0.393	0.349	0.368	0.367	0.385	0.399	0.374	5.32
54)		1,3-dichloropro	0.467	0.413	0.456	0.436	0.448	0.474	0.446	4.47
55)		dibromochlorome	0.194	0.178	0.221	0.233	0.263	0.310	0.255	23.07
56)		1,2-dibromoetha	0.258	0.242	0.271	0.260	0.274	0.289	0.269	5.40
57)	PM	chlorobenzene	1.061	0.933	1.003	0.970	1.008	1.038	0.981	7.09
58)		1,1,1,2-tetrach	0.249	0.227	0.277	0.276	0.304	0.328	0.277	12.73
59)	C	ethylbenzene	1.708	1.538	1.677	1.634	1.722	1.746	1.600	10.33
60)		mp-xylene	0.688	0.626	0.679	0.664	0.688	0.693	0.635	11.97
61)		o-xylene	0.663	0.593	0.647	0.636	0.671	0.684	0.631	6.86
62)		styrene	1.071	0.992	1.105	1.067	1.122	1.158	1.058	6.99
63)	P	bromoform	0.088	0.080	0.102	0.111	0.133	0.168	0.132	34.70
64)		iso-propylbenze	1.572	1.425	1.545	1.531	1.614	1.655	1.513	7.50
65)	S	SS 4-BFB_MS	0.466	0.468	0.468	0.471	0.477	0.477	0.472	1.02
66)	I	1,4-Dichlorobenzene-D	----------	----------	ISTD	----------	----------	----------		
67)		bromobenzene	0.770	0.682	0.764	0.728	0.757	0.780	0.745	5.07
68)	P	1,1,2,2-tetrach	0.566	0.506	0.574	0.537	0.550	0.574	0.555	3.72
69)		1,2,3-trichloro	0.165	0.152	0.168	0.160	0.166	0.170	0.165	3.77
70)		trans-1,4-dichl		0.063	0.077	0.082	0.090	0.107	0.096	21.65
71)		n-propylbenzene	3.638	3.214	3.571	3.507	3.624	3.667	3.405	9.31
72)		2-chlorotoluene	2.263	2.037	2.215	2.137	2.190	2.205	2.113	7.90
73)		4-chlorotoluene	2.183	1.953	2.148	2.063	2.125	2.189	2.065	7.20
74)		1,3,5-trimethyl	2.513	2.288	2.524	2.474	2.584	2.613	2.425	7.75
75)		tert-butylbenze	2.206	1.988	2.157	2.130	2.217	2.240	2.106	6.97
76)		1,2,4-trimethyl	2.611	2.365	2.608	2.532	2.623	2.664	2.479	8.41
77)		sec-butylbenzen	3.162	2.888	3.140	3.117	3.242	3.292	3.024	9.29
78)		1,3-dichloroben	1.486	1.274	1.452	1.381	1.430	1.460	1.384	7.08
79)		p-isopropyltolu	2.610	2.398	2.668	2.627	2.738	2.772	2.535	8.92
80)		1,4-dichloroben	1.462	1.287	1.440	1.373	1.420	1.450	1.376	7.25
81)		1,2-dichloroben	1.357	1.205	1.317	1.269	1.299	1.341	1.270	6.45
82)		n-butylbenzene	2.219	2.049	2.239	2.253	2.353	2.404	2.180	8.64
83)	S	SS 1,2-DCB-D4_M	0.875	0.884	0.886	0.879	0.879	0.878	0.882	0.80
84)		1,2-dibromo-3-c	0.079	0.068	0.088	0.088	0.096	0.112	0.096	22.58
85)		1,3,5-trichloro	0.886	0.782	0.876	0.851	0.889	0.929	0.868	5.25
86)		1,2,4-trichloro	0.710	0.644	0.722	0.711	0.744	0.785	0.728	5.77
87)		hexachlorobutad	0.342	0.312	0.336	0.340	0.362	0.378	0.353	6.25
88)		naphthaleneV	1.610	1.453	1.715	1.688	1.745	1.868	1.693	7.70
89)		1,2,3-trichloro	0.645	0.565	0.633	0.616	0.644	0.681	0.636	6.14
90)	S	SS 2,5-DBT_MS			0.192	0.195	0.216	0.242	0.232	13.14

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report VOAMS5

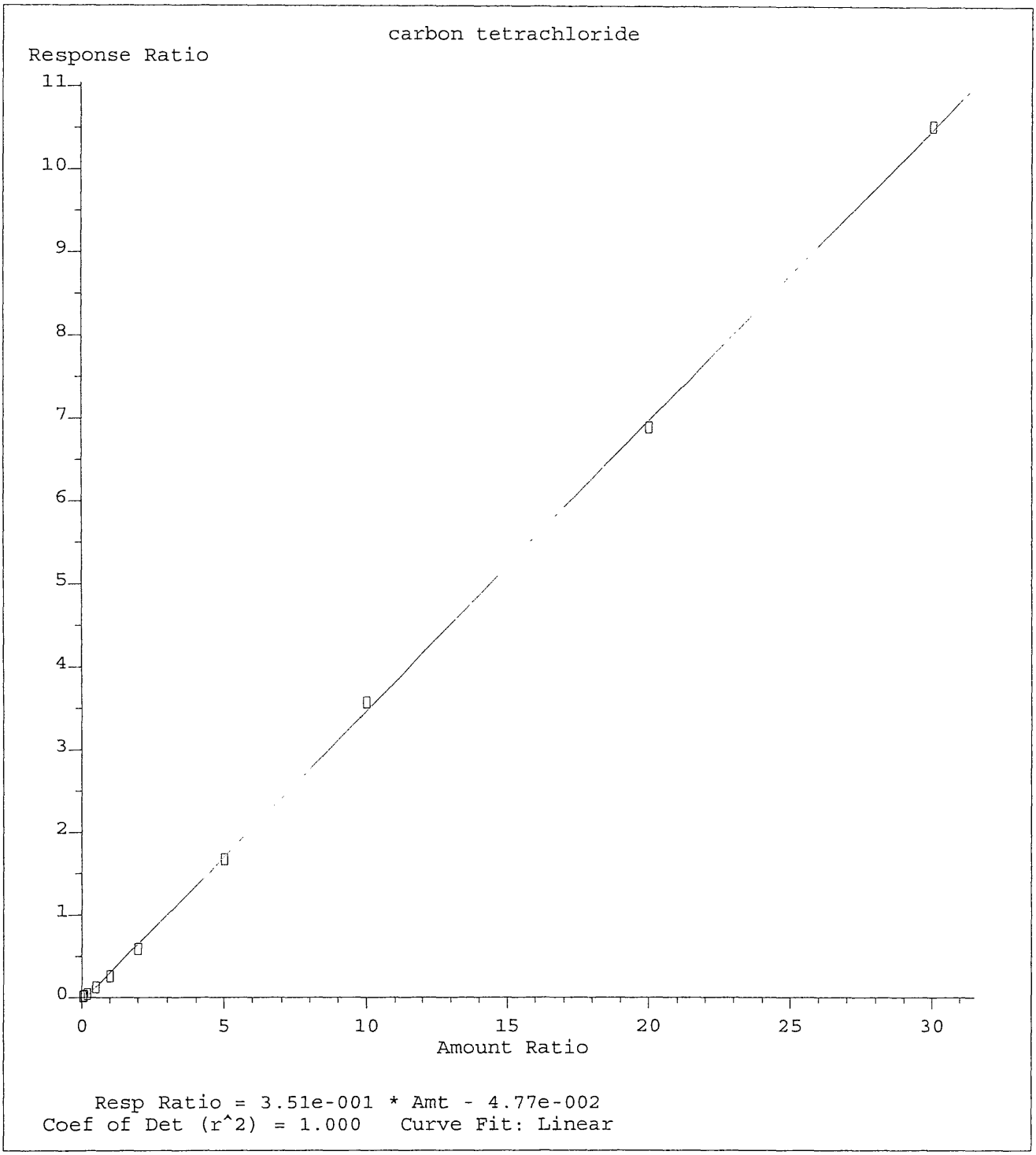
Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
Total Cpnds : 90

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene IS	96	12.03	1.000	A	2	A	B
2		dichlorodifluoromethane	85	2.99	0.249	A	2	A	B
3	P	chloromethane	50	3.33	0.277	A	1	A	B
4	C	vinyl chloride	62	3.48	0.289	A	1	A	B
5		bromomethane	94	4.14	0.344	A	2	A	B
6		chloroethane	64	4.25	0.353	A	2	A	B
7		trichlorofluoromethane	101	4.65	0.387	A	2	A	B
8		diethyl ether	59	5.15	0.428	A	2	A	B
9		1,1,2-Trichlorotrifluoroethane	101	5.40	0.449	A	2	A	B
10		acrolein	56	5.40	0.449	L	1	A	B
11		acetone	43	5.51	0.458	A	1	A	B
12	CM	1,1-dichloroethene	96	5.74	0.477	A	3	A	B
13		tert-Butyl Alcohol (TBA)	59	5.89	0.490	A	1	A	B
14		Iodomethane	142	6.33	0.526	L	3	A	B
15		methylene chloride	84	6.67	0.554	A	2	A	B
16		carbon disulfide	76	6.70	0.557	A	1	A	B
17		acrylonitrile	53	6.93	0.576	A	2	A	B
18		Methyl-t-butyl ether (MTBE)	73	6.96	0.578	A	3	A	B
19		trans-1,2-dichloroethene	96	7.25	0.603	A	3	A	B
20		hexane	57	7.38	0.614	A	3	A	B
21		Isopropyl ether (DIPE)	45	7.91	0.657	A	3	A	B
22		vinyl acetate	43	8.14	0.677	A	1	A	B
23	P	1,1-dichloroethane	63	8.13	0.676	A	2	A	B
24		Ethyl-t-butyl ether (ETBE)	59	8.77	0.729	A	3	A	B
25		2,2-dichloropropane	77	9.33	0.775	A	3	A	B
26		cis-1,2-dichloroethene	61	9.43	0.784	A	3	A	B
27		2-butanone (MEK)	43	9.04	0.752	A	2	A	B
28		bromochloromethane	128	10.15	0.844	A	3	A	B
29		Tetrahydrofuran (THF)	42	10.22	0.850	A	2	A	B
30	C	chloroform	83	9.78	0.813	A	2	A	B
31	S	SS Dibromofluoromethane_MS	111	10.26	0.853	A	2	A	B
32		1,1,1-trichloroethane	97	10.66	0.886	A	3	A	B
33		carbon tetrachloride	117	11.23	0.934	L	3	A	B
34		1,1-dichloropropene	75	11.03	0.917	A	3	A	B
35	S	SS 1,2-DCA-d4_MS	65	11.39	0.946	A	2	A	B
36		tert-amyl methyl ether (TAME)	73	11.29	0.938	A	3	A	B
37	M	benzene	78	11.60	0.965	A	3	A	B
38		1,2-dichloroethane	62	11.59	0.963	A	2	A	B
39	M	trichloroethene	95	12.77	1.061	A	3	A	B
40	C	1,2-dichloropropane	63	13.08	1.087	A	3	A	B
41		1,4-dioxaneV	88	13.51	1.123	A	2	A	B
42		dibromomethane	93	13.55	1.126	A	3	A	B
43		bromodichloromethane	83	13.47	1.119	A	3	A	B
44		2-Chloroethoxyethene	63	13.97	1.161	A	3	A	B
45		4-methyl-2-pentanone (MIBK)	58	14.01	1.164	A	3	A	B
46		cis-1,3-dichloropropene	75	14.32	1.190	A	3	A	B
47	I	Chlorobenzene-D5 IS	117	16.70	1.000	A	2	A	B
48	S	SS Toluene-d8_MS	98	14.67	0.879	A	2	A	B
49	CM	toluene	91	14.79	0.886	A	3	A	B
50		trans-1,3-dichloropropene	75	15.05	0.901	A	3	A	B
51		1,1,2-trichloroethane	83	15.26	0.914	A	3	A	B
52		2-hexanone	43	15.26	0.914	A	2	A	B
53		tetrachloroethene	166	15.69	0.940	A	3	A	B
54		1,3-dichloropropane	76	15.60	0.934	A	2	A	B
55		dibromochloromethane	129	15.96	0.956	L	3	A	B
56		1,2-dibromoethane	107	16.22	0.972	A	3	A	B
57	PM	chlorobenzene	112	16.75	1.003	A	2	A	B
58		1,1,1,2-tetrachloroethane	131	16.79	1.006	A	3	A	B
59	C	ethylbenzene	91	16.80	1.006	A	3	A	B
60		mp-xylene	106	16.89	1.012	A	3	A	B
61		o-xylene	106	17.42	1.043	A	3	A	B
62		styrene	104	17.46	1.046	A	3	A	B
63	P	bromoform	173	17.89	1.071	L	3	A	B
64		iso-propylbenzene	105	17.83	1.068	A	3	A	B

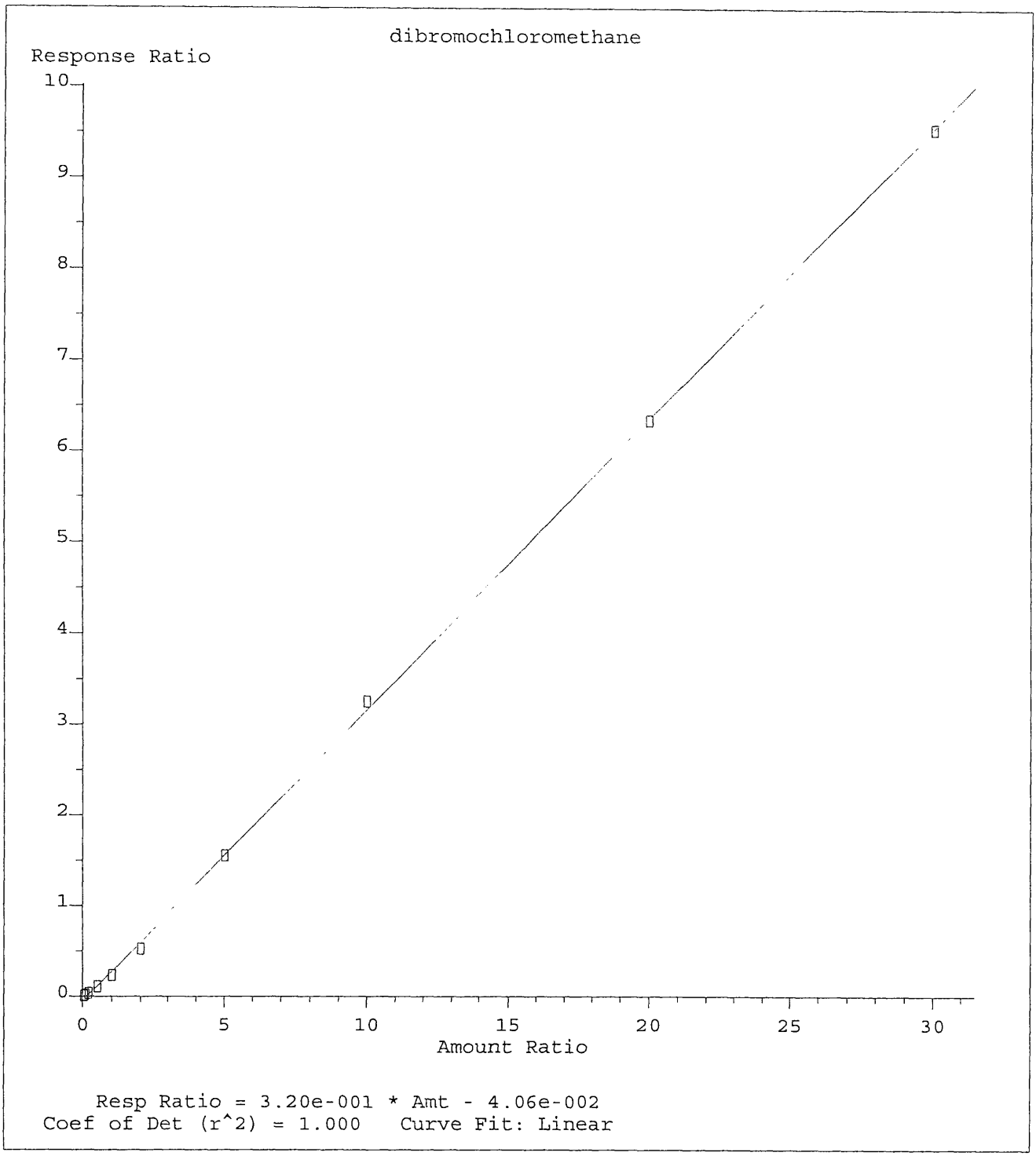
65	S	SS 4-BFB_MS	95	18.14	1.086	A	3	A	B
66	I	1,4-Dichlorobenzene-D4 IS	152	19.39	1.000	A	3	A	B
67		bromobenzene	156	18.38	0.948	A	3	A	B
68	P	1,1,2,2-tetrachloroethane	83	18.04	0.930	A	3	A	B
69		1,2,3-trichloropropane	110	18.20	0.939	A	3	A	B
70		trans-1,4-dichloro-2-butene	75	18.27	0.942	L	3	A	B
71		n-propylbenzene	91	18.29	0.943	A	1	A	B
72		2-chlorotoluene	91	18.52	0.955	A	2	A	B
73		4-chlorotoluene	91	18.56	0.957	A	2	A	B
74		1,3,5-trimethylbenzene	105	18.46	0.952	A	3	A	B
75		tert-butylbenzene	119	18.85	0.972	A	3	A	B
76		1,2,4-trimethylbenzene	105	18.89	0.974	A	3	A	B
77		sec-butylbenzene	105	19.06	0.983	A	3	A	B
78		1,3-dichlorobenzeneV	146	19.32	0.997	A	3	A	B
79		p-isopropyltoluene	119	19.19	0.990	A	3	A	B
80		1,4-dichlorobenzeneV	146	19.42	1.002	A	3	A	B
81		1,2-dichlorobenzeneV	146	19.78	1.020	A	3	A	B
82		n-butylbenzene	91	19.58	1.010	A	3	A	B
83	S	SS 1,2-DCB-D4_MS	152	19.76	1.019	A	3	A	B
84		1,2-dibromo-3-chloropropane	157	20.52	1.058	L	3	A	B
85		1,3,5-trichlorobenzV	180	20.75	1.070	A	3	A	B
86		1,2,4-trichlorobenzV	180	21.43	1.105	A	3	A	B
87		hexachlorobutadieneV	225	21.57	1.112	A	3	A	B
88		naphthaleneV	128	21.77	1.123	A	3	A	B
89		1,2,3-trichlorobenzV	180	22.06	1.137	A	3	A	B
90	S	SS 2,5-DBT_MS	250	23.36	1.205	A	3	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

5VID0811.M Tue Aug 30 10:13:26 2011



Method Name: W:\1\METHODS\2011\5VID0811.M
Calibration Table Last Updated: Mon Aug 15 10:28:25 2011



Method Name: W:\1\METHODS\2011\5VID0811.M
Calibration Table Last Updated: Mon Aug 15 10:28:25 2011

Volatile Organic Analysis
8260B SIM Initial Calibration
102455

VOAMS2 Analysis Run Log

IS/SS ID= V- 3819
Standard ID= V- 3820
LCS/LCSD and/or MS/MSD Standard ID= V- 3728

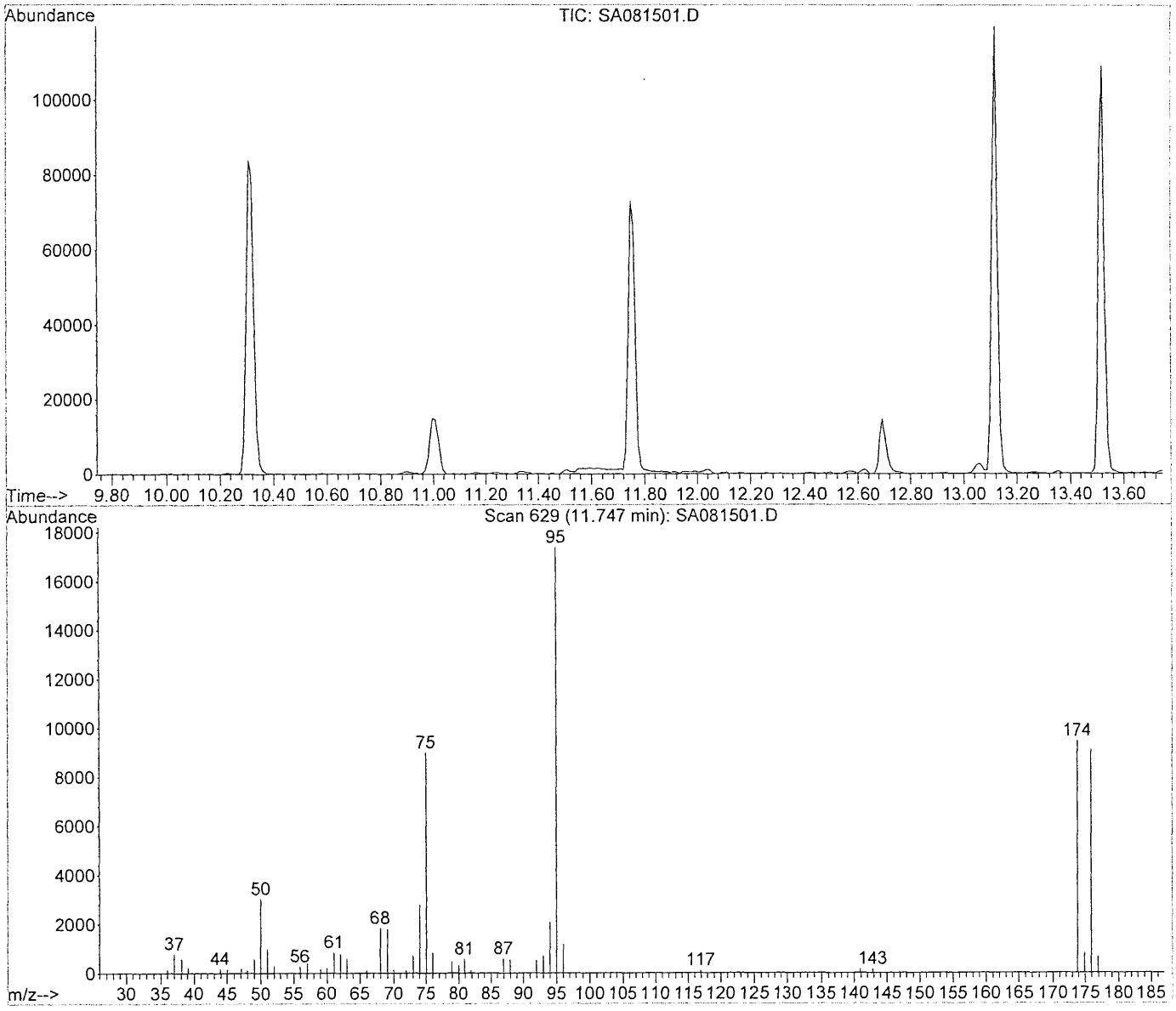
Analyst: VG

Date: 8/15/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA081501	BFB		✓		X1	VOC MS1			
2	2	STD0.25		✓			VOC SIM			
3	3	0.5		✓			VOC			
4	4	1		✓			VOC		~~Run lost~~	
5	5	2		✓			VOC			
6	6	5		✓			VOC		NEW KAL	
7	7	10		✓			VOC		2SIM0815	
8	8	20		✓			VOC			
9	9	50		✓			VOC			
10	10	Blank		✓			VOC			
11	11	LCS5		✓			VOC			
12	12	BFB		✓			VOC MS1			
13	13	STD5		✓			VOC SIM			
14	14	LCS5		✓			VOC			
15	15	LCSD5		✓			VOC			
16	16	Blank		✓			VOC			
17	17	102192-01		✓			VOC			
18	18	102136-01		✓			VOC			
19	19	02		✓			VOC			
20	20	03		✓			VOC			
21	21	04		✓			VOC			
22	22	05		✓			VOC			
23	23	06		✓			VOC			
24	24	08		✓			VOC			
25	25	09		✓			VOC			
26	26	10		✓			VOC			
							VOC			
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Samples removed from autosampler, order verified by [signature] 8/16/11

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081501.D Vial: 1
Acq On : 15 Aug 2011 10:51 am Operator: VG
Sample : BFB Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09



Spectrum Information: Scan 629

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	3036	PASS
75	95	30	60	51.8	8998	PASS
95	95	100	100	100.0	17368	PASS
96	95	5	9	6.8	1184	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	54.4	9444	PASS
175	174	5	9	8.6	808	PASS
176	174	95	101	96.1	9074	PASS
177	176	5	9	7.4	668	PASS

Response Factor Report VOAMS2

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration

Calibration Files
1 =SA052504.D 20 =SA081508.D 10 =SA081507.D
50 =SA081509.D .25 =SA081502.D 5 =SA081506.D

		Compound	1	20	10	50	.25	5	Avg	%RSD
1)	I	Fluorobenzene IS	ISTD							
2)		1,4-dioxaneV	0.043	0.031	0.044	0.033	0.037	0.038#		13.39
3)	S	SS Toluene-d8_M	0.924	0.912	0.925	0.935	0.920	0.922		0.87
4)	S	SS 4-BFB_MS	0.384	0.382	0.386	0.398	0.382	0.387		1.55

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report VOAMS2

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
Total Cpnds : 4

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene IS	96	6.88	1.000	A	1	A	B
2		1,4-dioxaneV	88	7.72	1.122	A	2	A	B
3	S	SS Toluene-d8_MS	98	8.58	1.247	A	1	A	B
4	S	SS 4-BFB_MS	95	11.76	1.709	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

2SIM0815.M Tue Aug 30 11:09:38 2011

Volatile Organic Analysis
8260B Support Data
102455

VOAMS5 Analysis Run Log

IS/SS ID= V- 3815 (refilled)
Standard ID= V- 3816A
Gas Standard ID= V- 3817
LCS/LCSD and/or MS/MSD Standard ID= V- 3806(L) 3821(G)

Analyst: VG

Date: 8/29/2011

Restarted, Autotune

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA0829011	BFB					VOCMS	5V1D0811	autofind		
2	02	STD20					VOCMS				
3	03	STD2					VOCMS				
4	04	MB					VOCMS				
5	05	102455.05	✓	✓		x1	VOCMS				
6	06	102479.04	✓	✓		x1	VOCMS				
7	07	102455.05MS	✓	✓		x1	VOCMS				
8	08	05MSD	✓	✓			VOCMS				
9	09	102479.04MS	✓	✓			VOCMS				
10	10	04MSD	✓	✓			VOCMS				
11	11	Blank	✓	✓			VOCMS				
12	12	102479.02	✓	✓			VOCMS				
13	13	03	✓	✓			VOCMS				
14	14	05	✓	✓			VOCMS				
15	15	102479.06	✓	✓			VOCMS				
16	16	08	✓	✓			VOCMS				
17	17	09	✓	✓			VOCMS				
18	18	LCS20		✓			VOCMS				
19	19	LCSD20		✓			VOCMS				
20	20	Vial Check		✓			VOCMS				
21	21	Vial Check		✓			VOCMS				
							VOCMS				
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Samples removed from autosampler, order and pH verified by CG 8/30/11 pH ✓

GC/MS QA-QC Check Report

Tune File : C:\MSDCHEM\1\DATA\AUG2911\SA082901.D
Tune Time : 29 Aug 2011 9:24 am

Daily Calibration File : C:\MSDCHEM\1\DATA\AUG2911\SA082902.D

							263111	200435	107644

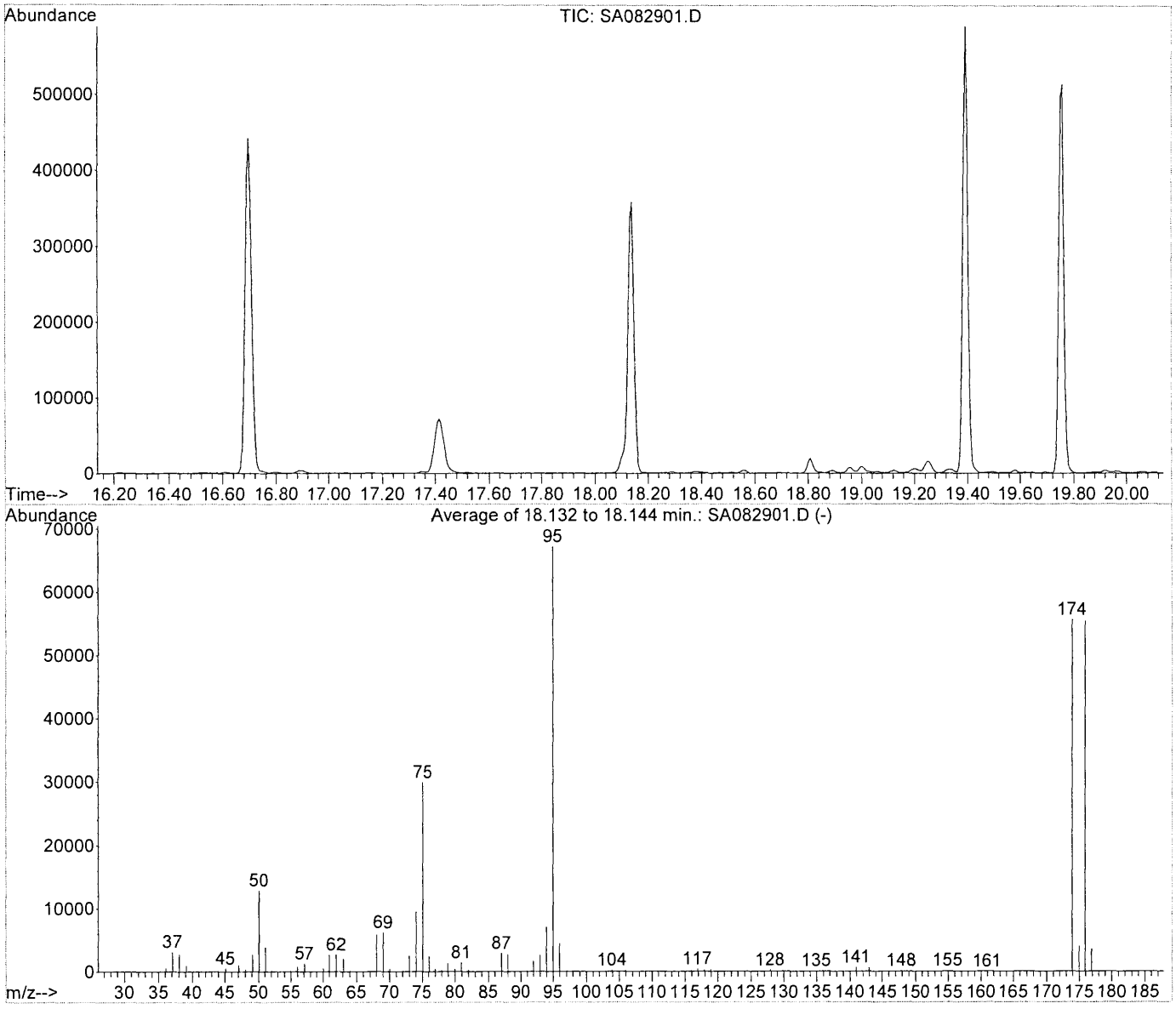
File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA082902.D	STD 20	102	109	105	100	263111	200435	107644
		104	47*					
SA082903.D	STD 2	99	108	104	99	265865	201792	105005
		103	5*					
SA082904.D	MB	100	109	104	97	268833	203060	103959
		105	0*					
SA082905.D	102455.05	101	109	105	98	263704	198487	101890
		105	0*					
SA082906.D	102479.04	101	108	106	99	263611	198081	102547
		105	0*					
SA082907.D	102455.05M	103	108	106	101	265412	201179	108223
		103	0*					
SA082908.D	102455.05M	102	108	105	101	273655	205944	110721
		103	0*					
SA082909.D	102479.04M	102	108	106	100	276260	209625	112382
		102	0*					
SA082910.D	102479.04M	102	109	105	100	275262	208104	110472
		104	0*					
SA082912.D	102479.02	100	109	105	98	274437	207243	107055
		106	0*					
SA082913.D	102479.03	99	110	104	97	276462	209010	107917
		105	0*					
SA082914.D	102479.05	101	110	104	98	266324	201932	104625
		105	0*					
SA082915.D	102479.06	98	109	105	98	265336	199840	103345
		105	0*					
SA082916.D	102479.08	100	111	105	99	262699	198199	103876
		104	0*					
SA082917.D	102479.09	100	110	103	98	262926	200243	102596
		105	0*					
SA082918.D	LCS20	101	110	104	101	266864	203278	108952
		103	0*					
SA082919.D	LCSD20	103	109	105	101	274828	209182	112694
		101	0*					

t - fails 12hr time check * - fails criteria

Created: Tue Aug 30 09:13:53 2011 VOAMS5

Data File : W:\1\DATA\AUG2911\SA082901.D
Acq On : 29 Aug 2011 9:24 am
Sample : BFB
Misc : x1; 5mL;
MS Integration Params: rteint.p
Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010

Vial: 1
Operator: VG
Inst : VOAMS5
Multiplr: 1.00



Spectrum Information: Average of 18.132 to 18.144 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	12896	PASS
75	95	30	60	44.6	29917	PASS
95	95	100	100	100.0	67152	PASS
96	95	5	9	6.7	4467	PASS
173	174	0.00	2	0.2	137	PASS
174	95	50	100	82.7	55525	PASS
175	174	5	9	7.2	4007	PASS
176	174	95	101	99.6	55298	PASS
177	176	5	9	6.5	3569	PASS

Evaluate Continuing Calibration Report

Data File : W:\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 9:58 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	1.000	1.000	0.0	86	0.00
2		dichlorodifluoromethane	0.271	0.198	26.9#	61	0.00
3	P	chloromethane	0.312	0.267	14.4	74	0.00
4	C	vinyl chloride	0.154	0.163	-5.8	85	0.00
5		bromomethane	0.150	0.117	22.0#	65	0.00
6		chloroethane	0.153	0.153	0.0	82	0.00
7		trichlorofluoromethane	0.333	0.338	-1.5	86	0.00
8		diethyl ether	0.192	0.200	-4.2	88	0.00
9		1,1,2-Trichlorotrifluoroeth	0.237	0.244	-3.0	86	0.00
10		acrolein	0.007	0.009	-28.6#	113	0.00
11		acetone	0.071	0.089	-25.4#	108	0.00
12	CM	1,1-dichloroethene	0.220	0.223	-1.4	84	0.00
13		tert-Butyl Alcohol (TBA)	0.015	0.015	0.0	89	0.00
14		Iodomethane	0.235	0.189	19.6	71	0.00
15		methylene chloride	0.249	0.242	2.8	87	0.00
16		carbon disulfide	0.744	0.698	6.2	82	0.00
17		acrylonitrile	0.090	0.097	-7.8	91	0.00
18		Methyl-t-butyl ether (MTBE)	0.524	0.537	-2.5	88	0.00
19		trans-1,2-dichloroethene	0.244	0.246	-0.8	85	0.00
20		hexane	0.351	0.351	0.0	85	0.00
21		Isopropyl ether (DIPE)	0.924	0.975	-5.5	89	0.00
22		vinyl acetate	0.341	0.359	-5.3	93	0.00
23	P	1,1-dichloroethane	0.478	0.494	-3.3	88	0.00
24		Ethyl-t-butyl ether (ETBE)	0.738	0.726	1.6	84	0.00
25		2,2-dichloropropane	0.321	0.269	16.2	71	0.00
26		cis-1,2-dichloroethene	0.385	0.403	-4.7	88	0.00
27		2-butanone (MEK)	0.110	0.124	-12.7	102	0.00
28		bromochloromethane	0.136	0.140	-2.9	86	0.00
29		Tetrahydrofuran (THF)	0.064	0.067	-4.7	95	0.00
30	C	chloroform	0.450	0.473	-5.1	91	0.00
31	S	SS Dibromofluoromethane_MS	0.237	0.242	-2.1	88	0.00
32		1,1,1-trichloroethane	0.364	0.359	1.4	83	0.00
33		carbon tetrachloride	0.289	0.286	1.0	83	0.00
34		1,1-dichloropropene	0.360	0.372	-3.3	85	0.00
35	S	SS 1,2-DCA-d4_MS	0.249	0.272	-9.2	93	0.00
36		tert-amyl methyl ether (TAM	0.576	0.564	2.1	85	0.00
37	M	benzene	1.092	1.125	-3.0	86	0.00
38		1,2-dichloroethane	0.326	0.352	-8.0	92	0.00
39	M	trichloroethene	0.278	0.285	-2.5	86	0.00
40	C	1,2-dichloropropane	0.285	0.291	-2.1	86	0.00
41		1,4-dioxaneV	0.002	0.002	0.0	92	0.00
42		dibromomethane	0.148	0.154	-4.1	89	0.00
43		bromodichloromethane	0.273	0.330	-20.9#	92	0.00
44		2-Chloroethoxyethene	0.130	0.118	9.2	76	0.00
45		4-methyl-2-pentanone (MIBK)	0.078	0.085	-9.0	92	0.00
46		cis-1,3-dichloropropene	0.364	0.374	-2.7	84	0.00
47	I	Chlorobenzene-D5 IS	1.000	1.000	0.0	82	0.00
48	S	SS Toluene-d8_MS	1.243	1.308	-5.2	86	0.00
49	CM	toluene	1.466	1.578	-7.6	86	0.00
50		trans-1,3-dichloropropene	0.362	0.414	-14.4	82	0.00
51		1,1,2-trichloroethane	0.220	0.239	-8.6	88	0.00
52		2-hexanone	0.173	0.212	-22.5#	96	0.00
53		tetrachloroethene	0.374	0.395	-5.6	84	0.00
54		1,3-dichloropropane	0.446	0.483	-8.3	88	0.00
55		dibromochloromethane	0.255	0.307	-20.4#	96	0.00
56		1,2-dibromoethane	0.269	0.292	-8.6	87	0.00

57	PM	chlorobenzene	0.981	1.057	-7.7	86	0.00
58		1,1,1,2-tetrachloroethane	0.277	0.314	-13.4	85	0.00
59	C	ethylbenzene	1.600	1.811	-13.2	86	0.00
60		mp-xylene	0.635	0.716	-12.8	85	0.00
61		o-xylene	0.631	0.694	-10.0	85	0.00
62		styrene	1.058	1.173	-10.9	86	0.00
63	P	bromoform	0.132	0.161	-22.0#	99	0.00
64		iso-propylbenzene	1.513	1.686	-11.4	86	0.00
65	S	SS 4-BFB_MS	0.472	0.475	-0.6	82	0.00
66	I	1,4-Dichlorobenzene-D4 IS	1.000	1.000	0.0	80	0.00
67		bromobenzene	0.745	0.801	-7.5	84	0.00
68	P	1,1,2,2-tetrachloroethane	0.555	0.616	-11.0	89	0.00
69		1,2,3-trichloropropane	0.165	0.184	-11.5	88	0.00
70		trans-1,4-dichloro-2-butene	0.096	0.088	8.3	77	0.00
71		n-propylbenzene	3.405	3.914	-14.9	86	0.00
72		2-chlorotoluene	2.113	2.365	-11.9	86	0.00
73		4-chlorotoluene	2.065	2.312	-12.0	87	0.00
74		1,3,5-trimethylbenzene	2.425	2.770	-14.2	85	0.00
75		tert-butylbenzene	2.106	2.373	-12.7	85	0.00
76		1,2,4-trimethylbenzene	2.479	2.844	-14.7	86	0.00
77		sec-butylbenzene	3.024	3.470	-14.7	85	0.00
78		1,3-dichlorobenzeneV	1.384	1.528	-10.4	85	0.00
79		p-isopropyltoluene	2.535	2.934	-15.7	85	0.00
80		1,4-dichlorobenzeneV	1.376	1.515	-10.1	85	0.00
81		1,2-dichlorobenzeneV	1.270	1.398	-10.1	86	0.00
82		n-butylbenzene	2.180	2.545	-16.7	86	0.00
83	S	SS 1,2-DCB-D4_MS	0.882	0.913	-3.5	83	0.00
84		1,2-dibromo-3-chloropropane	0.096	0.112	-16.7	93	0.00
85		1,3,5-trichlorobenzV	0.868	0.944	-8.8	84	0.00
86		1,2,4-trichlorobenzV	0.728	0.789	-8.4	84	0.00
87		hexachlorobutadieneV	0.321	0.375	-16.8	82	0.00
88		naphthaleneV	1.693	1.952	-15.3	89	0.00
89		1,2,3-trichlorobenzV	0.636	0.701	-10.2	87	0.00
90	S	SS 2,5-DBT_MS	0.232	0.219	5.6	81	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

SA081113.D 5VID0811.M Thu Sep 01 10:43:27 2011

Evaluate Continuing Calibration Report

Data File : W:\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 9:58 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	86	0.00
2		dichlorodifluoromethane	40.000	29.106	27.2#	61	0.00
3	P	chloromethane	40.000	34.208	14.5	74	0.00
4	C	vinyl chloride	40.000	42.149	-5.4	85	0.00
5		bromomethane	40.000	31.009	22.5#	65	0.00
6		chloroethane	40.000	40.061	-0.2	82	0.00
7		trichlorofluoromethane	40.000	40.582	-1.5	86	0.00
8		diethyl ether	20.000	20.792	-4.0	88	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	20.600	-3.0	86	0.00
10		acrolein	40.000	59.997	-50.0#	113	0.00
11		acetone	20.000	24.954	-24.8#	108	0.00
12	CM	1,1-dichloroethene	20.000	20.223	-1.1	84	0.00
13		tert-Butyl Alcohol (TBA)	100.000	97.509	2.5	89	0.00
14		Iodomethane	40.000	30.365	24.1#	71	0.00
15		methylene chloride	20.000	19.474	2.6	87	0.00
16		carbon disulfide	20.000	18.745	6.3	82	0.00
17		acrylonitrile	20.000	21.606	-8.0	91	0.00
18		Methyl-t-butyl ether (MTBE)	40.000	40.988	-2.5	88	0.00
19		trans-1,2-dichloroethene	20.000	20.167	-0.8	85	0.00
20		hexane	20.000	19.975	0.1	85	0.00
21		Isopropyl ether (DIPE)	20.000	21.096	-5.5	89	0.00
22		vinyl acetate	40.000	42.143	-5.4	93	0.00
23	P	1,1-dichloroethane	20.000	20.640	-3.2	88	0.00
24		Ethyl-t-butyl ether (ETBE)	20.000	19.690	1.5	84	0.00
25		2,2-dichloropropane	20.000	16.746	16.3	71	0.00
26		cis-1,2-dichloroethene	20.000	20.890	-4.5	88	0.00
27		2-butanone (MEK)	20.000	22.598	-13.0	102	0.00
28		bromochloromethane	20.000	20.573	-2.9	86	0.00
29		Tetrahydrofuran (THF)	20.000	20.774	-3.9	95	0.00
30	C	chloroform	20.000	21.013	-5.1	91	0.00
31	S	SS Dibromofluoromethane_MS	10.000	10.218	-2.2	88	0.00
32		1,1,1-trichloroethane	20.000	19.714	1.4	83	0.00
33		carbon tetrachloride	20.000	17.641	11.8	83	0.00
34		1,1-dichloropropene	20.000	20.620	-3.1	85	0.00
35	S	SS 1,2-DCA-d4_MS	10.000	10.919	-9.2	93	0.00
36		tert-amyl methyl ether (TAM	20.000	19.562	2.2	85	0.00
37	M	benzene	20.000	20.607	-3.0	86	0.00
38		1,2-dichloroethane	20.000	21.581	-7.9	92	0.00
39	M	trichloroethene	20.000	20.529	-2.6	86	0.00
40	C	1,2-dichloropropane	20.000	20.447	-2.2	86	0.00
41		1,4-dioxaneV	80.000	79.283	0.9	92	0.00
42		dibromomethane	20.000	20.771	-3.9	89	0.00
43		bromodichloromethane	20.000	22.025	-10.1	92	0.00
44		2-Chloroethoxyethene	40.000	36.508	8.7	76	0.00
45		4-methyl-2-pentanone (MIBK)	20.000	21.847	-9.2	92	0.00
46		cis-1,3-dichloropropene	20.000	20.503	-2.5	84	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	82	0.00
48	S	SS Toluene-d8_MS	10.000	10.518	-5.2	86	0.00
49	CM	toluene	20.000	21.534	-7.7	86	0.00
50		trans-1,3-dichloropropene	20.000	20.808	-4.0	82	0.00
51		1,1,2-trichloroethane	20.000	21.748	-8.7	88	0.00
52		2-hexanone	20.000	24.558	-22.8#	96	0.00
53		tetrachloroethene	20.000	21.127	-5.6	84	0.00
54		1,3-dichloropropane	20.000	21.659	-8.3	88	0.00
55		dibromochloromethane	20.000	20.448	-2.2	96	0.00
56		1,2-dibromoethane	20.000	21.697	-8.5	87	0.00

57	PM	chlorobenzene	20.000	21.564	-7.8	86	0.00
58		1,1,1,2-tetrachloroethane	20.000	22.707	-13.5	85	0.00
59	C	ethylbenzene	20.000	22.640	-13.2	86	0.00
60		mp-xylene	40.000	45.073	-12.7	85	0.00
61		o-xylene	20.000	21.984	-9.9	85	0.00
62		styrene	20.000	22.159	-10.8	86	0.00
63	P	bromoform	20.000	20.074	-0.4	99	0.00
64		iso-propylbenzene	20.000	22.284	-11.4	86	0.00
65	S	SS 4-BFB_MS	10.000	10.047	-0.5	82	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	80	0.00
67		bromobenzene	20.000	21.524	-7.6	84	0.00
68	P	1,1,2,2-tetrachloroethane	20.000	22.183	-10.9	89	0.00
69		1,2,3-trichloropropane	20.000	22.311	-11.6	88	0.00
70		trans-1,4-dichloro-2-butene	20.000	18.057	9.7	77	0.00
71		n-propylbenzene	20.000	22.990	-14.9	86	0.00
72		2-chlorotoluene	20.000	22.391	-12.0	86	0.00
73		4-chlorotoluene	20.000	22.397	-12.0	87	0.00
74		1,3,5-trimethylbenzene	20.000	22.848	-14.2	85	0.00
75		tert-butylbenzene	20.000	22.538	-12.7	85	0.00
76		1,2,4-trimethylbenzene	20.000	22.945	-14.7	86	0.00
77		sec-butylbenzene	20.000	22.950	-14.7	85	0.00
78		1,3-dichlorobenzeneV	20.000	22.081	-10.4	85	0.00
79		p-isopropyltoluene	20.000	23.153	-15.8	85	0.00
80		1,4-dichlorobenzeneV	20.000	22.015	-10.1	85	0.00
81		1,2-dichlorobenzeneV	20.000	22.014	-10.1	86	0.00
82		n-butylbenzene	20.000	23.341	-16.7	86	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	10.354	-3.5	83	0.00
84		1,2-dibromo-3-chloropropane	20.000	20.853	-4.3	93	0.00
85		1,3,5-trichlorobenzV	20.000	21.747	-8.7	84	0.00
86		1,2,4-trichlorobenzV	20.000	21.655	-8.3	84	0.00
87		hexachlorobutadieneV	20.000	21.219	-6.1	82	0.00
88		naphthaleneV	20.000	23.062	-15.3	89	0.00
89		1,2,3-trichlorobenzV	20.000	22.035	-10.2	87	0.00
90	S	SS 2,5-DBT_MS	20.000	18.891	5.5	81	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

SA081113.D 5VID0811.M Thu Sep 01 10:43:56 2011

Volatile Organic Analysis
8260B SIM Support Data
102455

VOAMS2 Analysis Run Log

IS/SS ID= V- 3819
Standard ID= V- 3820
LCS/LCSD and/or MS/MSD Standard ID= V- 3720

Analyst: VG
Date: 8/24/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA082401	BFB		✓		X1	VOC MS/			
2	SA082402	STD5		✓			VOC SIM	2SIM085		
3	3	LCS5		✓			VOC			
4	4	LCSD5		✓			VOC			
5	5	Blank		✓			VOC			
6	6	102343.01		✓			VOC			
7	7	02		✓			VOC			
8	8	03		✓			VOC			
9	9	08		✓			VOC			
10	10	09		✓			VOC			
11	11	13		✓			VOC			
12	12	102455.01		✓			VOC			
13	13	03		✓			VOC			
14	14	04		✓			VOC			
15	15	02		✓		X10	VOC			
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Samples removed from autosampler, order verified by MJ 8/25/11

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG2411\SA082401.D
Tune Time : 24 Aug 2011 9:20 am

Daily Calibration File : V:\1\DATA\AUG2411\SA082402.D

157272

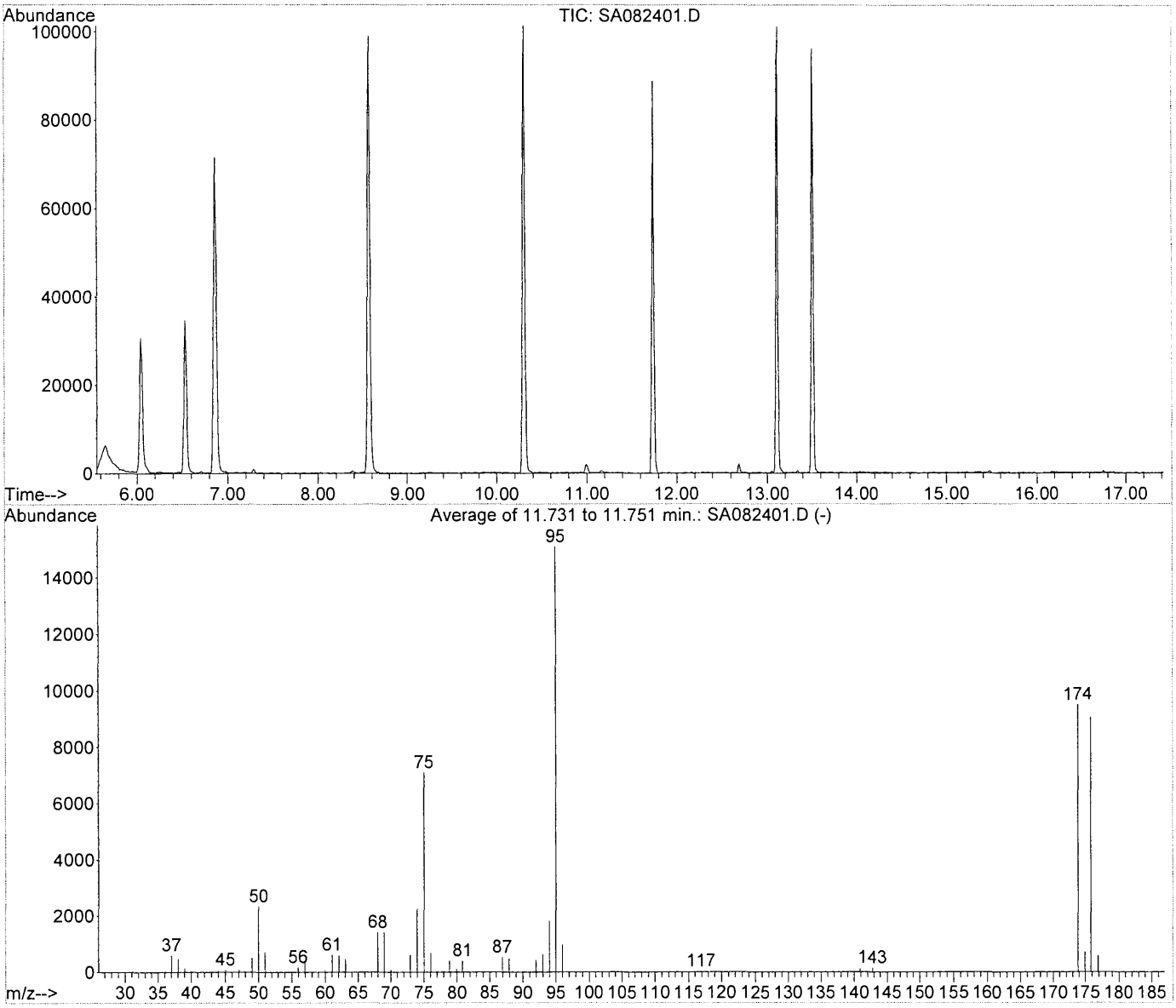
File	Sample	Surrogate Recovery %		Internal Standard Responses
SA082402.D	STD5	91	101	157272
SA082403.D	LCS5	99	87	156814
SA082404.D	LCSD5	85	86	166523
SA082405.D	BLANK	101	92	151530
SA082406.D	102343.01	86	97	154618
SA082407.D	102343.02	103	90	148484
SA082408.D	102343.03	97	93	149651
SA082409.D	102343.08	88	84	166852
SA082410.D	102343.09	87	89	163741
SA082411.D	102343.13	89	87	152666
SA082412.D	102455.01	99	90	152072
SA082413.D	102455.03	95	93	151542
SA082414.D	102455.04	86	88	152273
SA082415.D	102455.02	103	98	145964

t - fails 12hr time check * - fails criteria

Created: Thu Aug 25 08:25:48 2011 VOAMS2

Data File : V:\1\DATA\AUG2411\SA082401.D
Acq On : 24 Aug 2011 9:20 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09

Vial: 1
Operator: VG
Inst : VOAMS2
Multiplr: 1.00



Spectrum Information: Average of 11.731 to 11.751 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.5	2344	PASS
75	95	30	60	47.1	7102	PASS
95	95	100	100	100.0	15092	PASS
96	95	5	9	6.5	976	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	62.9	9492	PASS
175	174	5	9	7.5	713	PASS
176	174	95	101	95.3	9047	PASS
177	176	5	9	6.5	584	PASS

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG2411\SA082402.D Vial: 2
Acq On : 24 Aug 2011 10:08 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	103	-0.01
2		1,4-dioxaneV	5.000	4.000	20.0	86	-0.02
3	S	SS Toluene-d8_MS	10.000	9.122	8.8	94	0.00
4	S	SS 4-BFB_MS	10.000	10.134	-1.3	106	-0.01

VOAMS2 Analysis Run Log

IS/SS ID= V- 3819
Standard ID= V- 3820
LCS/LCSD and/or MS/MSD Standard ID= V- 3720

Analyst: VG

Date: 8/25/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA08D501	BNB		✓		X1	VOC MS1			
2	2	STDD		✓			VOC SIM	2SIM086		
3	3	LCS		✓			VOC			
4	4	LCSD		✓			VOC			
5	5	Blank G		✓			VOC			
6	6	102455.05		✓			VOC			
7	7	102455.05MS		✓			VOC			
8	8	05MSD		✓			VOC			
9	9	06		✓			VOC			
10	10	10		✓			VOC			
11	11	11		✓			VOC			
12	12	14		✓			VOC			
13	13	15		✓		↓	VOC			
14	14	16		✓		X10	VOC			
15	15	17		✓		↓	VOC			
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Samples removed from autosampler, order verified by ___ 8/26/11

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG2511\SA082501.D
Tune Time : 25 Aug 2011 9:24 am

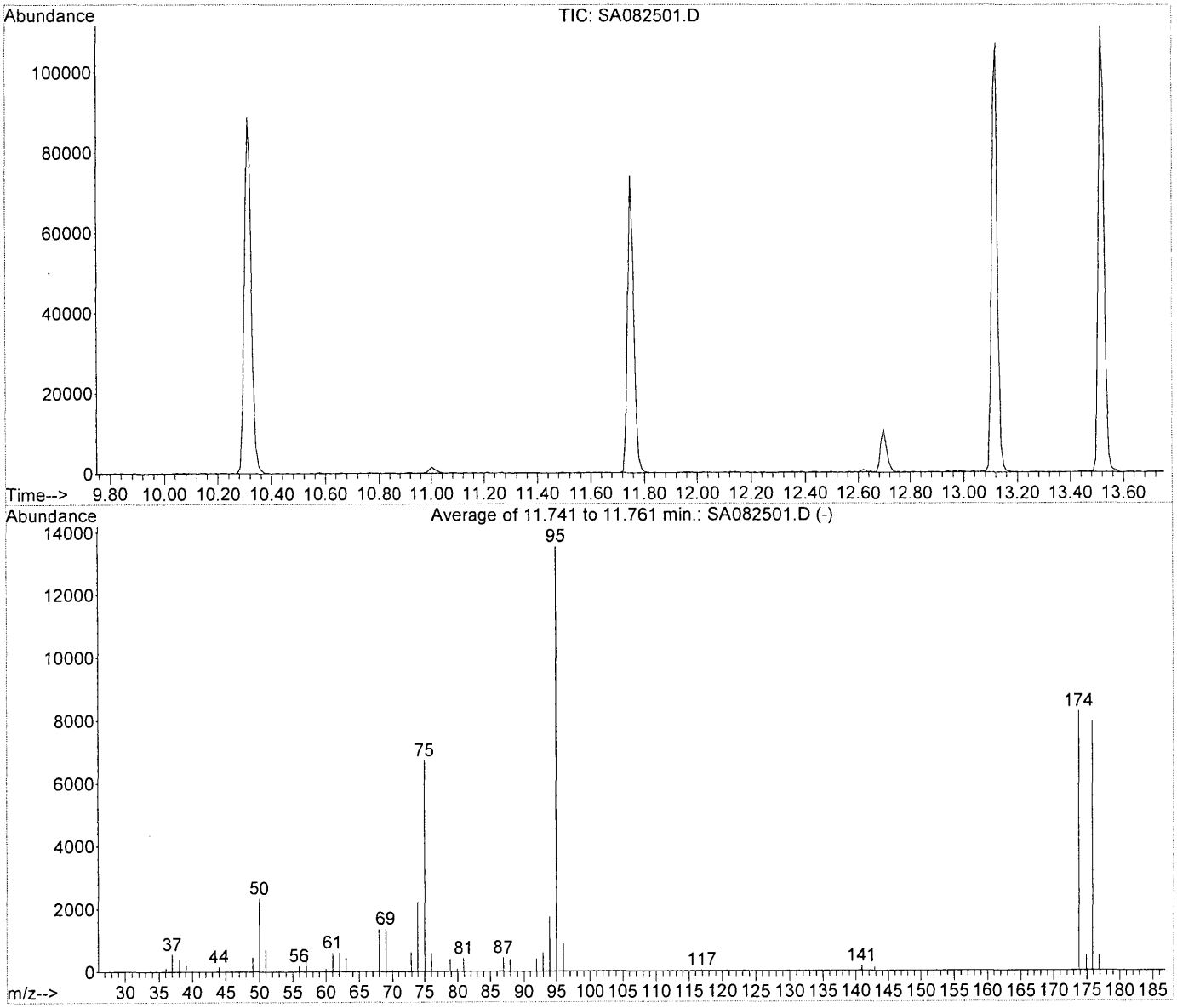
Daily Calibration File : V:\1\DATA\SEP0111\SA090105.D

				241991
File	Sample	Surrogate Recovery %		Internal Standard Responses
SA082502.D	STD5	98	85	159980
SA082503.D	LCSaA08251	100	80	160987
SA082504.D	LCSDA08251	102	98	156678
SA082505.D	BlnkA08251	103	89	156725
SA082506.D	102455.05	99	83	154511
SA082507.D	MSpkA08251	101	82	159252
SA082508.D	MSDuA08251	98	96	154449
SA082509.D	102455.06	86	87	160782
SA082510.D	102455.10	96	84	162940
SA082511.D	102455.11	95	100	158712
SA082512.D	102455.14	99	93	160171
SA082513.D	102455.15	103	87	143113
SA082514.D	102455.16	99	83	156690
SA082515.D	102455.17	94	88	142579

t - fails 12hr time check * - fails criteria

Created: Fri Sep 09 14:27:39 2011 VOAMS2

Data File : V:\1\DATA\AUG2511\SA082501.D Vial: 1
Acq On : 25 Aug 2011 9:24 am Operator: VG
Sample : BFB Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09



Spectrum Information: Average of 11.741 to 11.761 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	2342	PASS
75	95	30	60	49.7	6723	PASS
95	95	100	100	100.0	13538	PASS
96	95	5	9	6.4	873	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	60.9	8246	PASS
175	174	5	9	5.9	485	PASS
176	174	95	101	96.1	7928	PASS
177	176	5	9	6.0	474	PASS

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG2511\SA082502.D Vial: 2
Acq On : 25 Aug 2011 10:11 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	105	0.00
2		1,4-dioxaneV	5.000	5.256	-5.1	114	0.00
3	S	SS Toluene-d8_MS	10.000	9.755	2.4	103	0.00
4	S	SS 4-BFB_MS	10.000	8.476	15.2	90	0.00

VOAMS2 Analysis Run Log

IS/SS ID= V- 3819
Standard ID= V- 3820
LCS/LCSD and/or MS/MSD Standard ID= V- 3720

Analyst: VG

Date: 8/26/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA082601	BFB		✓		x1	VOC MSI			
2	2	STDS		✓			VOC SIM	2SIM0826		
3	3	LCS		✓			VOC			
4	4	LCSD		✓			VOC			
5	5	Blank		✓			VOC			
6	6	~~102479.04~~		✓		x10	VOC		Teknas error. Rerun	
7	7	~~04MS~~					VOC		102479.04 x10 RR	
8	8	~~04MSD~~					VOC		102479.04MS x10	
9	9	~~102455.21~~					VOC		102479.04MSD x10	
10	10	~~18~~					VOC		~~102479.021~~ 102455.21	
~~11~~	~~11~~	~~102479.01~~					~~VOC~~			
~~12~~	~~12~~	~~06~~					~~VOC~~			
~~13~~	~~13~~	~~05~~				~~x10~~	~~VOC~~			
~~14~~	~~14~~	~~08~~					~~VOC~~			
~~15~~	~~15~~						~~VOC~~			
11	SA082611	~~102455.19~~		✓		x1	VOC		102455.18	
12	12	~~102479.01~~		✓			VOC		102455.19	
13	13	~~06~~		✓			VOC		102479.~~08~~ 08 x10	
14	14	~~05~~		✓		x10	VOC		102479.~~08~~ x10 05	
15	15	~~08~~		✓			VOC			
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Samples removed from autosampler, order verified by 8/29/11

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG2611\SA082601.D
Tune Time : 26 Aug 2011 10:57 am

Daily Calibration File : V:\1\DATA\SEP0111\SA090105.D

241991

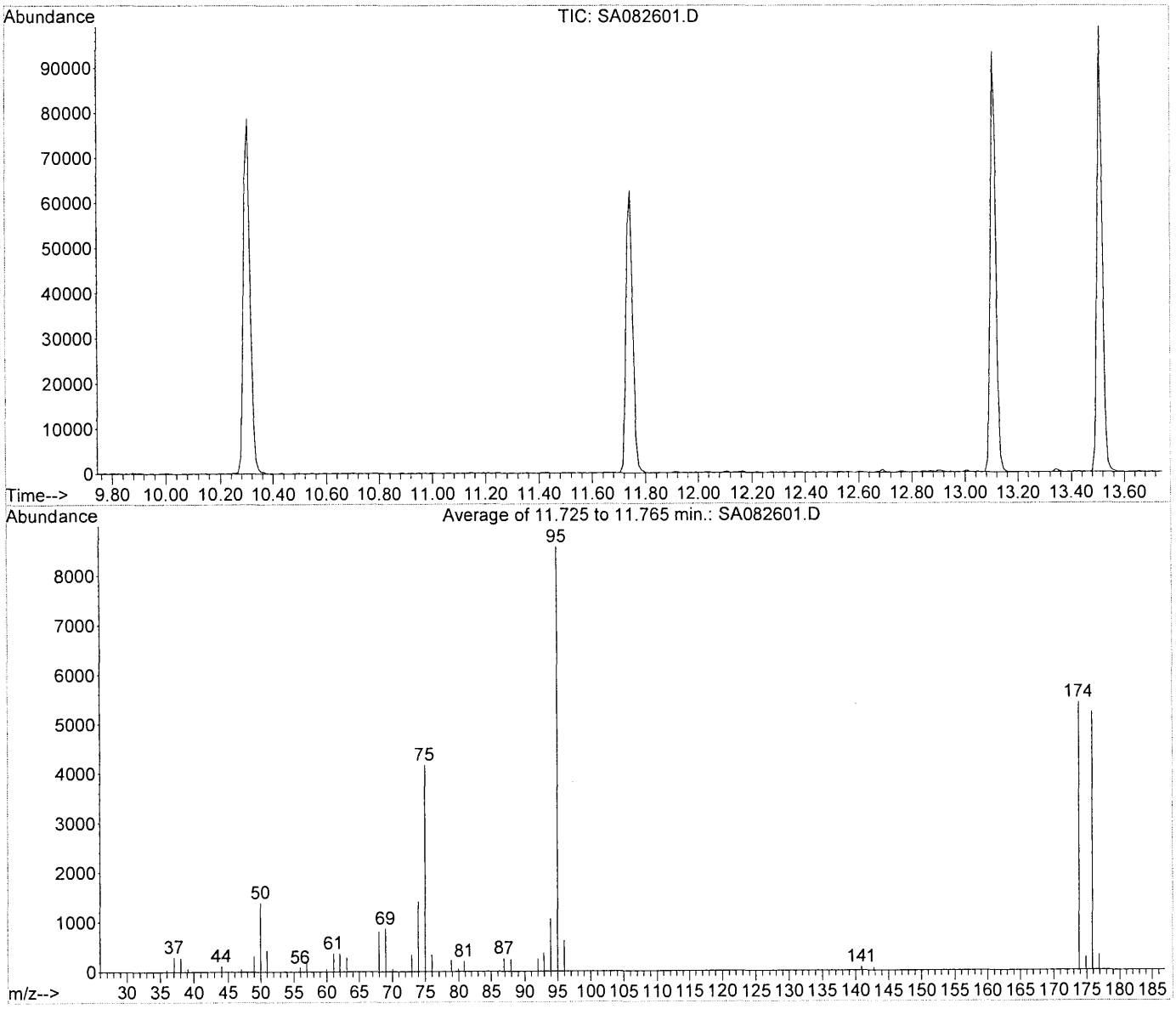
File	Sample	Surrogate Recovery %		Internal Standard Responses	
SA082602.D	STD5	99	96	144399	
SA082603.D	LCSaA08261	94	86	137313	
SA082604.D	LCSDA08261	100	86	153074	
SA082605.D	BlnkA08261	97	84	161716	
~~SA082606.D~~	~~102479.04~~	~~98~~	~~91~~	~~155386~~	Technical error - Rerun
SA082607.D	10~~2479.04~~	97	83	103904*	102479.04X10 RR
SA082608.D	~~102479.04M~~	101	96	161485	102479.04MSX10
SA082609.D	~~102479.04M~~	99	88	150390	.04MSDX10
SA082610.D	102455.21	95	90	152529	102455.21
SA082611.D	102455.18	89	90	158684	102455.18
SA082612.D	102455.19	97	88	159922	.19
SA082613.D	102479.08	95	87	152784	102479 .08X10
SA082614.D	102479.05	95	78	160253	102479.05X10

t - fails 12hr time check * - fails criteria

Created: Fri Sep 09 14:29:18 2011 VOAMS2

Data File : V:\1\DATA\AUG2611\SA082601.D
Acq On : 26 Aug 2011 10:57 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09

Vial: 1
Operator: VG
Inst : VOAMS2
Multiplr: 1.00



Spectrum Information: Average of 11.725 to 11.765 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	1393	PASS
75	95	30	60	48.7	4170	PASS
95	95	100	100	100.0	8571	PASS
96	95	5	9	7.3	623	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	63.1	5407	PASS
175	174	5	9	5.0	272	PASS
176	174	95	101	96.5	5220	PASS
177	176	5	9	6.1	316	PASS

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG2611\SA082602.D Vial: 2
Acq On : 26 Aug 2011 11:45 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	95	0.00
2		1,4-dioxaneV	5.000	5.824	-16.5	114	-0.01
3	S	SS Toluene-d8_MS	10.000	9.914	0.9	94	0.00
4	S	SS 4-BFB_MS	10.000	9.623	3.8	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
SA082602.D 2SIM0815.M Thu Sep 01 10:50:36 2011 Page 1

Metals Analysis
Internal Standard Summary
102455

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Internal Standard Summary
EAI SDG 102455

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 1	Thursday, August 25, 2011 17:31:54	100	100	99	100
QC Std 2	Thursday, August 25, 2011 17:39:03	99	99	101	99
QC Std 3	Thursday, August 25, 2011 17:46:12	102	101	101	99
QC Std 5	Thursday, August 25, 2011 17:53:20	100	99	99	100
QC Std 6	Thursday, August 25, 2011 18:00:29	99	98	94	99
LLCS	Thursday, August 25, 2011 18:27:41	99	100	97	98
ICSA	Thursday, August 25, 2011 18:34:20	99	101	95	97
ICSAB	Thursday, August 25, 2011 18:41:01	97	104	97	98
5ppm LRC-flush	Thursday, August 25, 2011 18:47:41	98	100	100	99
QC Std 1	Thursday, August 25, 2011 19:14:26	97	99	97	98
QC Std 2	Thursday, August 25, 2011 19:21:36	97	98	97	99
QC Std 5	Thursday, August 25, 2011 19:28:44	98	99	99	99
QC Std 6	Thursday, August 25, 2011 19:35:53	98	100	96	99
BLK	Thursday, August 25, 2011 19:56:21	97	98	98	98
LCS	Thursday, August 25, 2011 20:03:00	94	96	92	96
102343.06	Thursday, August 25, 2011 20:29:38	111	97	96	98
102455.03	Thursday, August 25, 2011 20:36:19	113	99	96	97
102455.06	Thursday, August 25, 2011 20:42:59	106	99	96	98
QC Std 1	Thursday, August 25, 2011 20:49:40	96	98	96	99
QC Std 2	Thursday, August 25, 2011 20:56:49	97	97	94	95
QC Std 5	Thursday, August 25, 2011 21:03:58	95	95	96	96
QC Std 6	Thursday, August 25, 2011 21:11:07	101	98	96	97
102455.07	Thursday, August 25, 2011 21:18:17	103	99	97	97
102455.08	Thursday, August 25, 2011 21:24:58	104	97	97	97
102455.15	Thursday, August 25, 2011 21:31:39	110	97	95	95
102455.1	Thursday, August 25, 2011 21:38:18	116	100	98	99
102455.11	Thursday, August 25, 2011 21:44:58	104	96	95	97
102455.12	Thursday, August 25, 2011 21:51:38	117	96	95	98
102455.13	Thursday, August 25, 2011 21:58:17	110	97	97	98
102455.14	Thursday, August 25, 2011 22:04:57	95	96	96	97
102455.15	Thursday, August 25, 2011 22:11:37	122	97	94	96
102455.16	Thursday, August 25, 2011 22:18:17	114	97	95	98
QC Std 1	Thursday, August 25, 2011 22:24:58	97	99	99	101
QC Std 2	Thursday, August 25, 2011 22:32:07	98	99	98	100
QC Std 5	Thursday, August 25, 2011 22:39:16	97	97	97	99
QC Std 6	Thursday, August 25, 2011 22:46:24	97	97	96	100
102455.17	Thursday, August 25, 2011 22:53:35	105	94	92	96
102455.18	Thursday, August 25, 2011 23:00:15	108	98	100	100
102455.19	Thursday, August 25, 2011 23:06:57	111	100	100	100
102455.07	Thursday, August 25, 2011 23:20:19	117	99	97	98
102455.08	Thursday, August 25, 2011 23:26:59	114	96	97	97
102455.1	Thursday, August 25, 2011 23:33:40	116	96	98	98
102455.11	Thursday, August 25, 2011 23:40:20	103	96	97	97
102455.12	Thursday, August 25, 2011 23:47:00	119	98	95	99
102455.14	Thursday, August 25, 2011 23:53:39	100	100	101	101
QC Std 1	Friday, August 26, 2011 00:00:20	99	97	98	101
QC Std 2	Friday, August 26, 2011 00:07:30	98	95	97	97

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Internal Standard Summary
EAI SDG 102455

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 5	Friday, August 26, 2011 00:14:38	98	97	98	98
QC Std 6	Friday, August 26, 2011 00:21:47	97	97	95	97
Soil BLK	Friday, August 26, 2011 00:42:32	93	95	96	96
Soil LCS	Friday, August 26, 2011 00:49:18	96	97	99	98
Soil QC	Friday, August 26, 2011 00:56:04	103	96	98	99
Soil Ag LCS	Friday, August 26, 2011 01:02:51	95	93	96	95
102557.01	Friday, August 26, 2011 01:23:07	99	95	97	98
102579.01	Friday, August 26, 2011 01:29:53	116	107	93	97
QC Std 1	Friday, August 26, 2011 01:36:34	94	91	93	94
QC Std 2	Friday, August 26, 2011 01:43:43	93	92	96	94
QC Std 5	Friday, August 26, 2011 01:50:52	92	94	96	94
QC Std 6	Friday, August 26, 2011 01:58:01	96	94	94	95
102476.01	Friday, August 26, 2011 02:05:16	105	98	97	99
102476.01 MS	Friday, August 26, 2011 02:12:01	98	97	96	101
102476.01 MSD	Friday, August 26, 2011 02:18:47	100	97	97	101
102476.01 MS	Friday, August 26, 2011 02:25:32	100	95	91	95
102476.01 MSD	Friday, August 26, 2011 02:32:18	98	94	90	95
102476.03	Friday, August 26, 2011 02:59:22	106	100	99	98
102476.04	Friday, August 26, 2011 03:06:08	98	97	97	97
QC Std 1	Friday, August 26, 2011 03:12:49	95	95	96	96
QC Std 2	Friday, August 26, 2011 03:19:59	96	97	97	98
QC Std 5	Friday, August 26, 2011 03:27:07	93	94	94	95
QC Std 6	Friday, August 26, 2011 03:34:16	95	97	94	96
102476.05	Friday, August 26, 2011 03:41:32	104	99	97	98
102476.06	Friday, August 26, 2011 03:48:18	103	99	99	101
102476.07	Friday, August 26, 2011 03:55:03	100	97	97	99
102476.08	Friday, August 26, 2011 04:01:49	104	99	100	104
102476.09	Friday, August 26, 2011 04:08:35	91	90	93	100
102476.1	Friday, August 26, 2011 04:15:21	98	95	98	104
102476.1	Friday, August 26, 2011 04:22:07	100	94	98	102
BLK	Friday, August 26, 2011 04:42:25	88	93	99	104
QC Std 1	Friday, August 26, 2011 04:49:07	92	93	97	104
QC Std 2	Friday, August 26, 2011 04:56:16	85	93	99	100
QC Std 5	Friday, August 26, 2011 05:03:25	88	92	95	101
QC Std 6	Friday, August 26, 2011 05:10:34	92	95	96	101
filter BLK	Friday, August 26, 2011 05:17:49	95	97	98	100
Ag LCS	Friday, August 26, 2011 05:24:35	95	96	101	102
LCS	Friday, August 26, 2011 05:31:21	94	96	94	96
filter LCS	Friday, August 26, 2011 05:38:08	95	98	95	97
LCS	Friday, August 26, 2011 05:44:54	96	99	98	97
102508.01	Friday, August 26, 2011 06:11:59	107	96	100	99
102509.01	Friday, August 26, 2011 06:18:45	115	101	104	102
QC Std 1	Friday, August 26, 2011 06:25:26	95	94	96	97
QC Std 2	Friday, August 26, 2011 06:32:36	93	96	96	97
QC Std 5	Friday, August 26, 2011 06:39:44	95	95	97	98
QC Std 6	Friday, August 26, 2011 06:46:53	100	100	99	101

Metals Analysis
Blank Summary
102455

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Blank Summary
EAI SDG 102455
Total & Dissolved Metals

Sample ID:	QC Std 1
Sample Date/Time:	Thursday, August 25, 2011 17:31:54
Sample Description:	Blank

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	100.257
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	100.427
In	115		ug/L	99.277
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	99.508
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID:	QC Std 1
Sample Date/Time:	Thursday, August 25, 2011 19:14:26
Sample Description:	Blank

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	98.981
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	97.622
In	115		ug/L	97.332
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	97.038
Se	77	1.02	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	1.84	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102455
Total & Dissolved Metals

Sample ID:	**QC Std 1**	**Sample ID:**	**QC Std 1**
Sample Date/Time:	**Thursday, August 25, 2011 20:49:40**	**Sample Date/Time:**	**Thursday, August 25, 2011 22:24:58**
Sample Description:	**Blank**	**Sample Description:**	**Blank**

Concentration Results				Int Std	Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R	Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L		Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L		Ag	109	< 1	ug/L	
Al	27	< 50	ug/L		Al	27	< 50	ug/L	
As	75	< 1	ug/L		As	75	< 1	ug/L	
Ba	137	< 1	ug/L		Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L		Ba	138	< 1	ug/L	
Be	9	< 1	ug/L		Be	9	< 1	ug/L	
Ca	44	< 50	ug/L		Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L		Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L		Cd	114	< 1	ug/L	
Co	59	< 1	ug/L		Co	59	< 1	ug/L	
Cr	52	< 1	ug/L		Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L		Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L		Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L		Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L		Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L		Fe	57	< 50	ug/L	
Ge	72		ug/L	97.955	Ge	72		ug/L	98.513
Hg	200	< 0.2	ug/L		Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L		Hg	202	< 0.2	ug/L	
Ho	165		ug/L	98.727	Ho	165		ug/L	101.459
In	115		ug/L	95.916	In	115		ug/L	98.765
K	39	< 50	ug/L		K	39	< 50	ug/L	
Mg	24	< 50	ug/L		Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L		Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L		Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L		Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L		Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L		Ni	62	< 1	ug/L	
P	31	< 50	ug/L		P	31	< 50	ug/L	
Pb	208	< 1	ug/L		Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L		Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L		Sb	123	< 1	ug/L	
Sc	45		ug/L	95.956	Sc	45		ug/L	97.228
Se	77	< 1	mg/L		Se	77	< 1	mg/L	
Se	78	< 1	mg/L		Se	78	< 1	mg/L	
Se	82	< 1	mg/L		Se	82	< 1	mg/L	
Tl	205	< 1	ug/L		Tl	205	< 1	ug/L	
V	51	< 1	ug/L		V	51	1.63	ug/L	
Zn	64	< 5	ug/L		Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L		Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L		Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102455
Total & Dissolved Metals

Sample ID:	**QC Std 1**
Sample Date/Time:	**Friday, August 26, 2011 00:00:20**
Sample Description:	**Blank**

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	97.256
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	100.735
In	115		ug/L	98.224
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	98.516
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	1.17	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID:	**QC Std 1**
Sample Date/Time:	**Friday, August 26, 2011 01:36:34**
Sample Description:	**Blank**

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	91.003
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	94.202
In	115		ug/L	92.5
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	94.019
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	1.56	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102455
Total & Dissolved Metals

Sample ID:	**QC Std 1**
Sample Date/Time:	**Friday, August 26, 2011 03:12:49**
Sample Description:	**Blank**

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	95.031
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	95.719
In	115		ug/L	95.553
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	95.176
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	1.79	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID:	**QC Std 1**
Sample Date/Time:	**Friday, August 26, 2011 04:49:07**
Sample Description:	**Blank**

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	93.294
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	103.782
In	115		ug/L	97.215
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	91.634
Se	77	1.16	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	3.02	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102455
Total & Dissolved Metals

Sample ID: QC Std 1
Sample Date/Time: Friday, August 26, 2011 06:25:26
Sample Description: Blank

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	94.079
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	96.987
In	115		ug/L	96.08
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	94.743
Se	77	1.19	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	1.43	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Metals Analysis
CV Summary
102455

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Calibration Verification (CV) Summary
EAI SDG 102455
Total & Dissolved Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 17:39:03
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	104.303378	ug/L	104.93		100
Ba	137	98.962388	ug/L	98.27		100
Ba	138	97.712321	ug/L	97.03		100
Be	9	106.548487	ug/L	105.49		100
Cd	111	100.239383	ug/L	99.74		100
Cd	114	99.120364	ug/L	98.63		100
Co	59	102.01271	ug/L	101.40		100
Cr	52	101.116659	ug/L	100.12		100
Cu	63	98.892751	ug/L	98.99		100
Cu	65	98.953204	ug/L	99.05		100
Ge	72		ug/L		99.19	
Hg	200	0.983299	ug/L	98.33		1
Hg	202	1.002706	ug/L	100.27		1
Ho	165		ug/L		99.27	
In	115		ug/L		100.83	
K	39	975.391745	ug/L	97.25		100
Mn	55	100.328707	ug/L	99.93		100
Ni	60	97.93324	ug/L	97.16		100
Ni	62	98.285351	ug/L	97.51		100
Pb	208	98.648089	ug/L	98.65		100
Sb	121	92.697815	ug/L	92.42		100
Sb	123	93.738695	ug/L	93.46		100
Sc	45		ug/L		99.14	
Se	77	93.02179	mg/L	92.84		100
Se	78	104.168666	mg/L	103.96		100
Se	82	94.788543	mg/L	94.60		100
Tl	205	104.767462	ug/L	104.77		100
V	51	96.217742	ug/L	95.83		100
Zn	64	94.89771	ug/L	94.24		100
Zn	66	96.692018	ug/L	96.02		100
Zn	68	97.631598	ug/L	96.95		100

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 19:21:36
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	107.173881	ug/L	107.82		100
Ba	137	105.090492	ug/L	104.36		100
Ba	138	102.412734	ug/L	101.70		100
Be	9	113.115402	ug/L	112.00		100
Cd	111	105.391112	ug/L	104.87		100
Cd	114	104.474254	ug/L	103.95		100
Co	59	103.166344	ug/L	102.55		100
Cr	52	102.310219	ug/L	101.30		100
Cu	63	102.661969	ug/L	102.77		100
Cu	65	102.477729	ug/L	102.58		100
Ge	72		ug/L		97.64	
Hg	200	1.037652	ug/L	103.77		1
Hg	202	1.01909	ug/L	101.91		1
Ho	165		ug/L		98.83	
In	115		ug/L		96.62	
K	39	988.776766	ug/L	98.58		100
Mn	55	100.680407	ug/L	100.28		100
Ni	60	101.790618	ug/L	100.98		100
Ni	62	100.449563	ug/L	99.65		100
Pb	208	99.169963	ug/L	99.17		100
Sb	121	96.730943	ug/L	96.44		100
Sb	123	98.690607	ug/L	98.40		100
Sc	45		ug/L		97.06	
Se	77	95.302614	mg/L	95.11		100
Se	78	102.294901	mg/L	102.09		100
Se	82	94.79248	mg/L	94.60		100
Tl	205	103.825377	ug/L	103.83		100
V	51	99.188241	ug/L	98.79		100
Zn	64	97.988453	ug/L	97.31		100
Zn	66	99.878254	ug/L	99.18		100
Zn	68	101.460618	ug/L	100.76		100

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 17:53:20
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	51.30407	ug/L	102.00		50.3
Ag	109	51.150078	ug/L	101.69		50.3
Be	9	45.718429	ug/L	107.32		42.6
Ge	72		ug/L		99.30	
Ho	165		ug/L		99.72	
In	115		ug/L		98.83	
Sc	45		ug/L		100.10	
Se	77	152.800328	mg/L	95.50		160
Se	78	168.086162	mg/L	105.05		160
Se	82	154.366686	mg/L	96.48		160

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 19:28:44
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	52.08437	ug/L	103.55		50.3
Ag	109	52.144421	ug/L	103.67		50.3
Be	9	48.344153	ug/L	113.48		42.6
Ge	72		ug/L		99.34	
Ho	165		ug/L		98.91	
In	115		ug/L		98.69	
Sc	45		ug/L		98.05	
Se	77	154.456219	mg/L	96.54		160
Se	78	167.772855	mg/L	104.86		160
Se	82	153.070165	mg/L	95.67		160

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Calibration Verification (CV) Summary
EAI SDG 102455
Total & Dissolved Metals

Sample Date/Time: Thursday, August 25, 2011 18:00:29
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	9741.94972	ug/L	97.42		1000
Ca	44	9728.58108	ug/L	97.29		1000
Fe	54	9930.61383	ug/L	99.31		1000
Fe	56	10045.1073	ug/L	100.45		1000
Fe	57	9752.56473	ug/L	97.53		1000
Ge	72		ug/L		98.42	
Ho	165		ug/L		98.53	
In	115		ug/L		94.40	
K	39	9645.6629	ug/L	96.46		1000
Mg	24	9741.04163	ug/L	97.41		1000
Mg	25	9852.22122	ug/L	98.52		1000
Na	23	9818.71846	ug/L	98.19		1000
P	31	9631.55144	ug/L	96.32		1000
Sc	45		ug/L		99.05	

Sample Date/Time: Thursday, August 25, 2011 19:35:53
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	10118.8024	ug/L	101.19		1000
Ca	44	10017.8508	ug/L	100.18		1000
Fe	54	10177.857	ug/L	101.78		1000
Fe	56	10258.9338	ug/L	102.59		1000
Fe	57	10743.1482	ug/L	107.43		1000
Ge	72		ug/L		99.97	
Ho	165		ug/L		98.52	
In	115		ug/L		96.30	
K	39	9850.25408	ug/L	98.50		1000
Mg	24	9906.47494	ug/L	99.07		1000
Mg	25	10144.0049	ug/L	101.44		1000
Na	23	10109.9414	ug/L	101.10		1000
P	31	9936.97231	ug/L	99.37		1000
Sc	45		ug/L		98.48	

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Calibration Verification (CV) Summary
EAI SDG 102455
Total & Dissolved Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 20:56:49
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	106.244543	ug/L	106.89		100
Ba	137	103.948492	ug/L	103.23		100
Ba	138	103.56628	ug/L	102.85		100
Be	9	105.36487	ug/L	104.32		100
Cd	111	105.012758	ug/L	104.49		100
Cd	114	103.86934	ug/L	103.35		100
Co	59	101.87248	ug/L	101.27		100
Cr	52	101.26473	ug/L	100.26		100
Cu	63	99.472338	ug/L	99.57		100
Cu	65	99.879966	ug/L	99.98		100
Ge	72		ug/L		97.00	
Hg	200	1.042201	ug/L	104.22		1
Hg	202	1.01379	ug/L	101.38		1
Ho	165		ug/L		94.65	
In	115		ug/L		94.04	
K	39	1018.16626	ug/L	101.51		100
Mn	55	100.771978	ug/L	100.37		100
Ni	60	98.400069	ug/L	97.62		100
Ni	62	97.780015	ug/L	97.00		100
Pb	208	100.768427	ug/L	100.77		100
Sb	121	97.848263	ug/L	97.56		100
Sb	123	98.455756	ug/L	98.16		100
Sc	45		ug/L		96.69	
Se	77	92.562852	mg/L	92.38		100
Se	78	96.919425	mg/L	96.73		100
Se	82	93.551047	mg/L	93.36		100
Tl	205	104.998164	ug/L	105.00		100
V	51	97.431395	ug/L	97.04		100
Zn	64	95.630606	ug/L	94.97		100
Zn	66	97.712597	ug/L	97.03		100
Zn	68	99.977861	ug/L	99.28		100

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 25, 2011 22:32:07
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	104.968252	ug/L	105.60		100
Ba	137	105.848668	ug/L	105.11		100
Ba	138	105.227617	ug/L	104.50		100
Be	9	87.141644	ug/L	86.28		100
Cd	111	104.12183	ug/L	103.60		100
Cd	114	103.677852	ug/L	103.16		100
Co	59	103.289389	ug/L	102.67		100
Cr	52	103.842522	ug/L	102.81		100
Cu	63	100.577971	ug/L	100.68		100
Cu	65	100.802397	ug/L	100.90		100
Ge	72		ug/L		98.68	
Hg	200	0.99483	ug/L	99.48		1
Hg	202	0.995686	ug/L	99.57		1
Ho	165		ug/L		100.24	
In	115		ug/L		98.15	
K	39	1005.90684	ug/L	100.29		100
Mn	55	101.678919	ug/L	101.27		100
Ni	60	99.452838	ug/L	98.66		100
Ni	62	99.401832	ug/L	98.61		100
Pb	208	99.020089	ug/L	99.02		100
Sb	121	95.765512	ug/L	95.48		100
Sb	123	98.085256	ug/L	97.79		100
Sc	45		ug/L		97.57	
Se	77	92.910534	mg/L	92.73		100
Se	78	102.990472	mg/L	102.79		100
Se	82	94.193732	mg/L	94.01		100
Tl	205	104.305849	ug/L	104.31		100
V	51	99.639747	ug/L	99.24		100
Zn	64	95.710856	ug/L	95.05		100
Zn	66	97.20543	ug/L	96.53		100
Zn	68	99.261818	ug/L	98.57		100

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 21:03:58
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	53.592848	ug/L	106.55		50.3
Ag	109	53.802701	ug/L	106.96		50.3
Be	9	46.895684	ug/L	110.08		42.6
Ge	72		ug/L		95.16	
Ho	165		ug/L		96.46	
In	115		ug/L		95.54	
Sc	45		ug/L		95.38	
Se	77	147.275701	mg/L	92.05		160
Se	78	161.969759	mg/L	101.23		160
Se	82	150.843536	mg/L	94.28		160

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 25, 2011 22:39:16
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	53.42785	ug/L	106.22		50.3
Ag	109	53.065711	ug/L	105.50		50.3
Be	9	39.211814	ug/L	92.05		42.6
Ge	72		ug/L		97.06	
Ho	165		ug/L		98.69	
In	115		ug/L		97.36	
Sc	45		ug/L		97.05	
Se	77	153.036769	mg/L	95.65		160
Se	78	163.150668	mg/L	101.97		160
Se	82	150.171122	mg/L	93.86		160

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Calibration Verification (CV) Summary
EAI SDG 102455
Total & Dissolved Metals

Sample Date/Time: Thursday, August 25, 2011 21:11:07
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	9720.03165	ug/L	97.20		1000
Ca	44	9353.65337	ug/L	93.54		1000
Fe	54	9515.62961	ug/L	95.16		1000
Fe	56	9605.0991	ug/L	96.05		1000
Fe	57	10139.0603	ug/L	101.39		1000
Ge	72		ug/L		97.98	
Ho	165		ug/L		97.31	
In	115		ug/L		96.50	
K	39	9541.18715	ug/L	95.41		1000
Mg	24	9633.10767	ug/L	96.33		1000
Mg	25	9535.01744	ug/L	95.35		1000
Na	23	9733.35174	ug/L	97.33		1000
P	31	9587.1654	ug/L	95.87		1000
Sc	45		ug/L		101.40	

Sample Date/Time: Thursday, August 25, 2011 22:46:24
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	9874.98079	ug/L	98.75		1000
Ca	44	9851.1428	ug/L	98.51		1000
Fe	54	9932.57364	ug/L	99.33		1000
Fe	56	10229.4205	ug/L	102.29		1000
Fe	57	10613.8678	ug/L	106.14		1000
Ge	72		ug/L		97.38	
Ho	165		ug/L		99.54	
In	115		ug/L		96.08	
K	39	9925.85108	ug/L	99.26		1000
Mg	24	9802.37934	ug/L	98.02		1000
Mg	25	9917.22634	ug/L	99.17		1000
Na	23	9887.53156	ug/L	98.88		1000
P	31	10233.4302	ug/L	102.33		1000
Sc	45		ug/L		96.79	

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Calibration Verification (CV) Summary
EAI SDG 102455
Total & Dissolved Metals

Sample ID: QC Std 2
Sample Date/Time: Friday, August 26, 2011 00:07:30
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	108.185065	ug/L	108.84		100
Ba	137	103.566558	ug/L	102.85		100
Ba	138	102.79002	ug/L	102.08		100
Be	9	93.580175	ug/L	92.65		100
Cd	111	104.839145	ug/L	104.32		100
Cd	114	103.912093	ug/L	103.40		100
Co	59	100.3036	ug/L	99.71		100
Cr	52	99.943369	ug/L	98.95		100
Cu	63	98.799197	ug/L	98.90		100
Cu	65	99.206709	ug/L	99.31		100
Ge	72		ug/L		95.01	
Hg	200	1.014547	ug/L	101.46		1
Hg	202	1.015535	ug/L	101.55		1
Ho	165		ug/L		96.97	
In	115		ug/L		97.45	
K	39	999.296238	ug/L	99.63		100
Mn	55	99.889062	ug/L	99.49		100
Ni	60	98.715648	ug/L	97.93		100
Ni	62	97.210048	ug/L	96.44		100
Pb	208	100.760218	ug/L	100.76		100
Sb	121	95.347704	ug/L	95.06		100
Sb	123	96.416645	ug/L	96.13		100
Sc	45		ug/L		98.07	
Se	77	91.575453	mg/L	91.39		100
Se	78	97.779046	mg/L	97.58		100
Se	82	93.294817	mg/L	93.11		100
Tl	205	106.483049	ug/L	106.48		100
V	51	96.586661	ug/L	96.20		100
Zn	64	94.497079	ug/L	93.84		100
Zn	66	96.170976	ug/L	95.50		100
Zn	68	98.307409	ug/L	97.62		100

Sample ID: QC Std 2
Sample Date/Time: Friday, August 26, 2011 01:43:43
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	106.943655	ug/L	107.59		100
Ba	137	102.300965	ug/L	101.59		100
Ba	138	101.831967	ug/L	101.12		100
Be	9	107.350836	ug/L	106.29		100
Cd	111	101.77539	ug/L	101.27		100
Cd	114	101.397207	ug/L	100.89		100
Co	59	103.266202	ug/L	102.65		100
Cr	52	102.986963	ug/L	101.97		100
Cu	63	101.060888	ug/L	101.16		100
Cu	65	100.921517	ug/L	101.02		100
Ge	72		ug/L		92.08	
Hg	200	1.051348	ug/L	105.14		1
Hg	202	1.040926	ug/L	104.09		1
Ho	165		ug/L		93.98	
In	115		ug/L		96.43	
K	39	1018.55476	ug/L	101.55		100
Mn	55	103.237094	ug/L	102.83		100
Ni	60	100.177317	ug/L	99.38		100
Ni	62	100.344845	ug/L	99.55		100
Pb	208	103.325442	ug/L	103.33		100
Sb	121	93.216154	ug/L	92.94		100
Sb	123	95.192954	ug/L	94.91		100
Sc	45		ug/L		92.51	
Se	77	89.97615	mg/L	89.80		100
Se	78	96.531526	mg/L	96.34		100
Se	82	90.736616	mg/L	90.56		100
Tl	205	108.635082	ug/L	108.64		100
V	51	100.097866	ug/L	99.70		100
Zn	64	97.507802	ug/L	96.83		100
Zn	66	98.485187	ug/L	97.80		100
Zn	68	100.809604	ug/L	100.11		100

Sample ID: QC Std 5
Sample Date/Time: Friday, August 26, 2011 00:14:38
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	52.757686	ug/L	104.89		50.3
Ag	109	52.208452	ug/L	103.79		50.3
Be	9	41.304423	ug/L	96.96		42.6
Ge	72		ug/L		96.62	
Ho	165		ug/L		97.70	
In	115		ug/L		98.14	
Sc	45		ug/L		98.33	
Se	77	150.545814	mg/L	94.09		160
Se	78	161.597283	mg/L	101.00		160
Se	82	148.956836	mg/L	93.10		160

Sample ID: QC Std 5
Sample Date/Time: Friday, August 26, 2011 01:50:52
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	52.684235	ug/L	104.74		50.3
Ag	109	52.430484	ug/L	104.24		50.3
Be	9	46.985322	ug/L	110.29		42.6
Ge	72		ug/L		93.76	
Ho	165		ug/L		94.44	
In	115		ug/L		95.66	
Sc	45		ug/L		92.22	
Se	77	144.075227	mg/L	90.05		160
Se	78	159.80038	mg/L	99.88		160
Se	82	147.110487	mg/L	91.94		160

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Calibration Verification (CV) Summary
EAI SDG 102455
Total & Dissolved Metals

Sample Date/Time: Friday, August 26, 2011 00:21:47
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	9969.72254	ug/L	99.70		1000
Ca	44	9938.17077	ug/L	99.38		1000
Fe	54	9858.98027	ug/L	98.59		1000
Fe	56	9870.52391	ug/L	98.71		1000
Fe	57	10365.8293	ug/L	103.66		1000
Ge	72		ug/L		97.01	
Ho	165		ug/L		96.81	
In	115		ug/L		94.65	
K	39	9971.93104	ug/L	99.72		1000
Mg	24	9704.49661	ug/L	97.05		1000
Mg	25	9895.96803	ug/L	98.96		1000
Na	23	9837.00747	ug/L	98.37		1000
P	31	10154.1749	ug/L	101.54		1000
Sc	45		ug/L		96.53	

Sample Date/Time: Friday, August 26, 2011 01:58:01
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	9985.98803	ug/L	99.86		1000
Ca	44	10027.9525	ug/L	100.28		1000
Fe	54	10106.4331	ug/L	101.06		1000
Fe	56	9864.40189	ug/L	98.64		1000
Fe	57	10049.4766	ug/L	100.50		1000
Ge	72		ug/L		93.90	
Ho	165		ug/L		94.76	
In	115		ug/L		94.10	
K	39	10039.136	ug/L	100.39		1000
Mg	24	9845.23619	ug/L	98.45		1000
Mg	25	9837.35347	ug/L	98.37		1000
Na	23	9926.96612	ug/L	99.27		1000
P	31	9887.92018	ug/L	98.88		1000
Sc	45		ug/L		95.67	

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Calibration Verification (CV) Summary
EAI SDG 102455
Total & Dissolved Metals

Sample ID: QC Std 2
Sample Date/Time: Friday, August 26, 2011 03:19:59
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	105.395804	ug/L	106.03		100
Ba	137	102.875297	ug/L	102.16		100
Ba	138	103.157272	ug/L	102.44		100
Be	9	92.743934	ug/L	91.83		100
Cd	111	103.714634	ug/L	103.20		100
Cd	114	102.151911	ug/L	101.64		100
Co	59	102.449251	ug/L	101.84		100
Cr	52	102.25294	ug/L	101.24		100
Cu	63	100.704333	ug/L	100.81		100
Cu	65	100.627414	ug/L	100.73		100
Ge	72		ug/L		96.55	
Hg	200	1.008935	ug/L	100.89		1
Hg	202	0.997019	ug/L	99.70		1
Ho	165		ug/L		97.71	
In	115		ug/L		97.48	
K	39	1001.36124	ug/L	99.84		100
Mn	55	101.792336	ug/L	101.39		100
Ni	60	99.193528	ug/L	98.41		100
Ni	62	98.575708	ug/L	97.79		100
Pb	208	98.096344	ug/L	98.10		100
Sb	121	95.666109	ug/L	95.38		100
Sb	123	96.60782	ug/L	96.32		100
Sc	45		ug/L		95.63	
Se	77	89.266902	mg/L	89.09		100
Se	78	100.14292	mg/L	99.94		100
Se	82	92.433676	mg/L	92.25		100
Tl	205	104.301967	ug/L	104.30		100
V	51	98.849619	ug/L	98.46		100
Zn	64	95.45155	ug/L	94.79		100
Zn	66	97.793683	ug/L	97.11		100
Zn	68	99.021608	ug/L	98.33		100

Sample ID: QC Std 2
Sample Date/Time: Friday, August 26, 2011 04:56:16
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	105.087985	ug/L	105.72		100
Ba	137	105.397237	ug/L	104.67		100
Ba	138	104.52163	ug/L	103.80		100
Be	9	73.616772	ug/L	72.89		100
Cd	111	99.970031	ug/L	99.47		100
Cd	114	99.162741	ug/L	98.67		100
Co	59	111.172079	ug/L	110.51		100
Cr	52	110.228606	ug/L	109.14		100
Cu	63	108.636237	ug/L	108.75		100
Cu	65	110.637811	ug/L	110.75		100
Ge	72		ug/L		92.51	
Hg	200	0.975204	ug/L	97.52		1
Hg	202	0.990853	ug/L	99.09		1
Ho	165		ug/L		100.48	
In	115		ug/L		98.81	
K	39	1001.03209	ug/L	99.80		100
Mn	55	107.469813	ug/L	107.04		100
Ni	60	108.192535	ug/L	107.33		100
Ni	62	106.418264	ug/L	105.57		100
Pb	208	96.473836	ug/L	96.47		100
Sb	121	93.744116	ug/L	93.46		100
Sb	123	94.553753	ug/L	94.27		100
Sc	45		ug/L		85.38	
Se	77	87.069665	mg/L	86.90		100
Se	78	94.103207	mg/L	93.92		100
Se	82	85.304211	mg/L	85.13		100
Tl	205	102.634967	ug/L	102.64		100
V	51	107.302882	ug/L	106.88		100
Zn	64	101.874856	ug/L	101.17		100
Zn	66	102.660721	ug/L	101.95		100
Zn	68	105.1586	ug/L	104.43		100

Sample ID: QC Std 5
Sample Date/Time: Friday, August 26, 2011 03:27:07
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	54.994705	ug/L	109.33		50.3
Ag	109	55.057825	ug/L	109.46		50.3
Be	9	41.292472	ug/L	96.93		42.6
Ge	72		ug/L		94.42	
Ho	165		ug/L		94.87	
In	115		ug/L		94.14	
Sc	45		ug/L		93.22	
Se	77	148.792449	mg/L	93.00		160
Se	78	160.084276	mg/L	100.05		160
Se	82	149.42864	mg/L	93.39		160

Sample ID: QC Std 5
Sample Date/Time: Friday, August 26, 2011 05:03:25
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	54.788115	ug/L	108.92		50.3
Ag	109	54.464469	ug/L	108.28		50.3
Be	9	31.697711	ug/L	74.41		42.6
Ge	72		ug/L		92.04	
Ho	165		ug/L		100.69	
In	115		ug/L		94.92	
Sc	45		ug/L		87.74	
Se	77	143.059466	mg/L	89.41		160
Se	78	153.311244	mg/L	95.82		160
Se	82	142.373285	mg/L	88.98		160

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Calibration Verification (CV) Summary
EAI SDG 102455
Total & Dissolved Metals

Sample Date/Time: Friday, August 26, 2011 03:34:16
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	9940.40038	ug/L	99.40		1000
Ca	44	9813.10056	ug/L	98.13		1000
Fe	54	10244.7672	ug/L	102.45		1000
Fe	56	10024.4878	ug/L	100.25		1000
Fe	57	10693.8154	ug/L	106.94		1000
Ge	72		ug/L		96.76	
Ho	165		ug/L		95.60	
In	115		ug/L		94.20	
K	39	10049.7018	ug/L	100.50		1000
Mg	24	9724.09029	ug/L	97.24		1000
Mg	25	9893.11885	ug/L	98.93		1000
Na	23	10059.4521	ug/L	100.60		1000
P	31	10186.1377	ug/L	101.86		1000
Sc	45		ug/L		95.35	

Sample Date/Time: Friday, August 26, 2011 05:10:34
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	9560.37603	ug/L	95.60		1000
Ca	44	9889.6052	ug/L	98.90		1000
Fe	54	10257.3693	ug/L	102.57		1000
Fe	56	10356.1396	ug/L	103.56		1000
Fe	57	10532.3033	ug/L	105.32		1000
Ge	72		ug/L		94.61	
Ho	165		ug/L		101.44	
In	115		ug/L		95.79	
K	39	9807.60137	ug/L	98.08		1000
Mg	24	9191.79049	ug/L	91.92		1000
Mg	25	9432.01572	ug/L	94.32		1000
Na	23	9233.20657	ug/L	92.33		1000
P	31	9962.62761	ug/L	99.63		1000
Sc	45		ug/L		91.64	

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Calibration Verification (CV) Summary
EAI SDG 102455
Total & Dissolved Metals

Sample ID: QC Std 2
Sample Date/Time: Friday, August 26, 2011 06:32:36
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
As	75	103.460961	ug/L	104.09		100
Ba	137	104.160701	ug/L	103.44		100
Ba	138	103.61542	ug/L	102.90		100
Be	9	87.586493	ug/L	86.72		100
Cd	111	102.242435	ug/L	101.73		100
Cd	114	101.430712	ug/L	100.93		100
Co	59	104.477887	ug/L	103.86		100
Cr	52	106.341768	ug/L	105.29		100
Cu	63	100.707924	ug/L	100.81		100
Cu	65	101.059766	ug/L	101.16		100
Ge	72		ug/L		95.85	
Hg	200	0.982555	ug/L	98.26		1
Hg	202	0.984158	ug/L	98.42		1
Ho	165		ug/L		97.38	
In	115		ug/L		96.33	
K	39	1023.58636	ug/L	102.05		100
Mn	55	104.074421	ug/L	103.66		100
Ni	60	100.78821	ug/L	99.99		100
Ni	62	99.751222	ug/L	98.96		100
Pb	208	98.133113	ug/L	98.13		100
Sb	121	94.701456	ug/L	94.42		100
Sb	123	96.38158	ug/L	96.09		100
Sc	45		ug/L		93.07	
Se	77	92.729739	mg/L	92.55		100
Se	78	96.544384	mg/L	96.35		100
Se	82	90.039575	mg/L	89.86		100
Tl	205	103.970076	ug/L	103.97		100
V	51	101.332614	ug/L	100.93		100
Zn	64	95.82262	ug/L	95.16		100
Zn	66	98.490745	ug/L	97.81		100
Zn	68	99.950194	ug/L	99.26		100

Sample ID: QC Std 5
Sample Date/Time: Friday, August 26, 2011 06:39:44
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	53.54116	ug/L	106.44		50.3
Ag	109	52.831442	ug/L	105.03		50.3
Be	9	36.273445	ug/L	85.15		42.6
Ge	72		ug/L		94.93	
Ho	165		ug/L		97.95	
In	115		ug/L		97.43	
Sc	45		ug/L		95.07	
Se	77	147.094778	mg/L	91.93		160
Se	78	162.507071	mg/L	101.57		160
Se	82	149.260475	mg/L	93.29		160

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Calibration Verification (CV) Summary
EAI SDG 102455
Total & Dissolved Metals

Sample Date/Time: Friday, August 26, 2011 06:46:53
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	9314.05122	ug/L	93.14		1000
Ca	44	9362.90497	ug/L	93.63		1000
Fe	54	9569.97757	ug/L	95.70		1000
Fe	56	9751.21509	ug/L	97.51		1000
Fe	57	9497.84235	ug/L	94.98		1000
Ge	72		ug/L		99.54	
Ho	165		ug/L		101.05	
In	115		ug/L		99.21	
K	39	9475.76616	ug/L	94.76		1000
Mg	24	8982.06511	ug/L	89.82		1000
Mg	25	9108.03449	ug/L	91.08		1000
Na	23	9178.94609	ug/L	91.79		1000
P	31	9382.85255	ug/L	93.83		1000
Sc	45		ug/L		99.73	

Metals Analysis
Support Data
102455

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ICSA/ICSAB
102455

Sample ID: ICSA
Sample Date/Time: Thursday, August 25, 2011 18:34:20
Sample Description:

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	0.126365	ug/L			< 1
Ag	109	0.108504	ug/L			< 1
Al	27	46596.61	ug/L	93.19		50000
As	75	-0.09127	ug/L			< 1
Ba	137	0.236714	ug/L			< 1
Ba	138	0.23568	ug/L			< 1
Be	9	0.065892	ug/L			< 1
Ca	44	46506.66	ug/L	93.01		50000
Cd	111	0.110266	ug/L			< 1
Cd	114	0.107194	ug/L			< 1
Co	59	0.149758	ug/L			< 1
Cr	52	-0.07305	ug/L			< 1
Cu	63	0.759445	ug/L			< 1
Cu	65	0.616578	ug/L			< 1
Fe	54	46897.03	ug/L	93.79		50000
Fe	56	46744.52	ug/L	93.49		50000
Fe	57	50018.72	ug/L	100.04		50000
Ge	72		ug/L		101.047	
Hg	200	0.026778	ug/L			< 0.1
Hg	202	0.019764	ug/L			< 0.1
Ho	165		ug/L		97.398	
In	115		ug/L		95.049	
K	39	45813.37	ug/L	91.63		50000
Mg	24	46474.15	ug/L	92.95		50000
Mg	25	45823.05	ug/L	91.65		50000
Mn	55	0.336413	ug/L			< 5
Na	23	46860.13	ug/L	93.72		50000
Ni	60	1.097408	ug/L			1.09
Ni	62	0.945053	ug/L			< 1
P	31	46978.06	ug/L	93.96		50000
Pb	208	0.174371	ug/L			< 1
Sb	121	0.507746	ug/L			< 1
Sb	123	0.510045	ug/L			< 1
Sc	45		ug/L		98.899	
Se	77	5.654874	mg/L			5.65
Se	78	-2.5178	mg/L			< 1
Se	82	0.289877	mg/L			< 1
Tl	205	0.057749	ug/L			< 1
V	51	2.15751	ug/L			2.15
Zn	64	7.567518	ug/L			7.56
Zn	66	4.854804	ug/L			< 5
Zn	68	4.586415	ug/L			< 5

Sample ID: ICSAB
Sample Date/Time: Thursday, August 25, 2011 18:41:01
Sample Description:

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	9.318118	ug/L	93.18		10
Ag	109	9.284757	ug/L	92.85		10
Al	27	47722.26	ug/L	95.44		50000
As	75	9.278619	ug/L	92.79		10
Ba	137	9.76864	ug/L	97.69		10
Ba	138	9.768217	ug/L	97.68		10
Be	9	10.07371	ug/L	100.74		10
Ca	44	47812.67	ug/L	95.63		50000
Cd	111	9.538333	ug/L	95.38		10
Cd	114	9.546346	ug/L	95.46		10
Co	59	9.343768	ug/L	93.44		10
Cr	52	9.096728	ug/L	90.97		10
Cu	63	9.420919	ug/L	94.21		10
Cu	65	9.42678	ug/L	94.27		10
Fe	54	47865.46	ug/L	95.73		50000
Fe	56	48823.41	ug/L	97.65		50000
Fe	57	51742.59	ug/L	103.49		50000
Ge	72		ug/L		103.643	
Hg	200	0.979023	ug/L	97.90		1
Hg	202	0.949726	ug/L	94.97		1
Ho	165		ug/L		97.786	
In	115		ug/L		97.215	
K	39	47588.11	ug/L	95.18		50000
Mg	24	48264.95	ug/L	96.53		50000
Mg	25	47849.07	ug/L	95.70		50000
Mn	55	9.470199	ug/L	94.70		10
Na	23	48341	ug/L	96.68		50000
Ni	60	10.10677	ug/L	90.09		10
Ni	62	9.560145	ug/L	95.60		10
P	31	48811.94	ug/L	97.62		50000
Pb	208	9.064206	ug/L	90.64		10
Sb	121	11.01967	ug/L	110.20		10
Sb	123	11.15851	ug/L	111.59		10
Sc	45		ug/L		97.342	
Se	77	15.27033	mg/L	96.15		10
Se	78	8.302597	mg/L	83.03		10
Se	82	9.438318	mg/L	94.38		10
Tl	205	9.048369	ug/L	90.48		10
V	51	11.71549	ug/L	95.58		10
Zn	64	16.77258	ug/L	92.05		10
Zn	66	13.99149	ug/L	91.37		10
Zn	68	13.82567	ug/L	92.39		10

Sample/Batch Report

User Name: ICPMS1
Computer Name: ICPMS1
Sample File: C:\elandata\Sample\AQUIRE_August252011.1HCl.sam
Report Date/Time: Friday, August 26, 2011 13:25:58

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Rati
		Calibration Blank		Sample					
2		Hg0.1ppbCS		Sample					
3		Hg1.0ppbCS		Sample					
4		Hg5.0ppbCS		Sample					
9		TM.5ppbCS		Sample					
10		TM5ppbCS		Sample					
11		TM20ppbCS		Sample					
12		Min100CS		Sample					
13		Min1000CS		Sample					
14		Min5000CS		Sample					
5		Reagent Blank		Sample					
6		SCP_ICV		Sample					
15		ERA DWQC_ICV		Sample					
7		ERA WWQC_ICV		Sample					
8		MIN_ICV		Sample					
16		flush		Sample					
17		flush		Sample					
18		flush		Sample					
19		LLCS		Sample					
20		ICSA		Sample					
21		ICSAB		Sample					
22		5ppm LRC-flush		Sample					
23		flush		Sample					
24		flush		Sample					
25		flush		Sample					
26		flush		Sample					
27		flush		Sample					
28		BLK	Redigest 8/25 E	Sample					
29		LCS	8/19 A	Sample					
30		flush		Sample					
31		flush		Sample					
32		flush		Sample					
33		102343.06	Aqtot 1:1 Sc mε	Sample					
34		102455.03	Aqtot 1:1 Sc mε	Sample					
35		102455.06	Aqtot 1:1 Sc mε	Sample					
36		102455.07	Aqtot 1:1 Sc mε	Sample					
37		102455.08	Aqtot 1:1 Sc mε	Sample					
38		102455.15	Aqtot 1:1 Sc mε	Sample					
39		102455.10	Aqtot Rerun Be	Sample					
40		102455.11	Aqtot Rerun Be	Sample					
41		102455.12	Aqtot Rerun Be	Sample					
42		102455.13	Aqtot Rerun Be	Sample					
43		102455.14	Aqtot Rerun Be	Sample					
44		102455.15	Aqtot Rerun Be	Sample					
45		102455.16	Aqtot Rerun Be	Sample					
46		102455.17	Aqtot Rerun Be	Sample					
47		102455.18	Aqtot Rerun Be	Sample					
48		102455.19	Aqtot Rerun Be	Sample					
49		flush		Sample					

50	102455.07	Aqtot Redigest	Sample
51	102455.08	Aqtot Redigest	Sample
52	102455.10	Aqtot Redigest	Sample
53	102455.11	Aqtot Redigest	Sample
54	102455.12	Aqtot Redigest	Sample
55	102455.14	Aqtot Redigest	Sample
56	flush		Sample
57	flush		Sample
58	Soil BLK	1:25	Sample
59	Soil LCS	1:25	Sample
60	Soil QC	1:50	Sample
61	Soil Ag LCS	1:10	Sample
62	flush		Sample
63	flush		Sample
64	102557.01	1:25	Sample
65	102579.01	1:25	Sample
66	102476.01	1:25	Sample
67	102476.01 MS	1:25 pre digesti	Sample
68	102476.01 MS	1:25 pre digesti	Sample
69	102476.01 MS	1:25 post diges	Sample
70	102476.01 MS	1:25 post diges	Sample
71	flush		Sample
72	flush		Sample
73	flush		Sample
74	102476.03	1:25	Sample
75	102476.04	1:25	Sample
76	102476.05	1:25	Sample
77	102476.06	1:25	Sample
78	102476.07	1:25	Sample
79	102476.08	1:25	Sample
80	102476.09	1:25	Sample
81	102476.10	1:25	Sample
82	102476.10	1:20	Sample
83	flush		Sample
84	flush		Sample
85	BLK	8/25 A	Sample
86	filter BLK	8/25 A	Sample
87	Ag LCS	8/25 A	Sample
88	LCS	8/25 A	Sample
89	filter LCS	8/25 A	Sample
90	LCS	8/25 A 1:10	Sample
91	flush		Sample
92	flush		Sample
93	flush		Sample
94	102508.01		Sample
95	102509.01		Sample
96	102528.01		Sample
97	102532.02		Sample
98	102547.01		Sample
99	102547.02		Sample
100	102574.01		Sample
101	102575.01		Sample
102	102576.01		Sample
103	102588.01		Sample
104	102588.01 MS		Sample
105	102588.01 MSD		Sample
106	flush		Sample
107	flush		Sample
108	flush		Sample
109	102586.01		Sample

110	102586.02		Sample
111	102586.03		Sample
112	102586.04		Sample
113	102586.05		Sample
114	102586.06		Sample
115	102559.02	34	Sample
116	102559.02	30	Sample
117	102529.01		Sample
118	102529.02		Sample
119	102529.02 MS		Sample
120	102529.02 MSD		Sample
121	flush		Sample
122	flush		Sample
123	flush		Sample
124	102538.01		Sample
125	102578.01	1:10	Sample
126	102578.01		Sample
127	flush		Sample
128	102566.04	1:10	Sample
129	flush		Sample
130	102566.05	1:10	Sample
131	flush		Sample
132			Sample
133			Sample
134			Sample
135			Sample
136			Sample
137			Sample
138			Sample
139			Sample
140			Sample
141			Sample
142			Sample
143			Sample
144			Sample
145			Sample
146			Sample
147			Sample
148			Sample
149			Sample
150			Sample
151			Sample
152			Sample
153			Sample
154			Sample
155			Sample
156			Sample
157			Sample
158			Sample
159			Sample
160			Sample

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Wednesday, August 24, 2011 13:18:30
Sample Description:
Method File: C:\Elandata\Method\EPA200 DAILY.mth
Dataset File: C:\Elandata\Dataset\daily performance\Sample.002
Tuning File: C:\Elandata\Tuning\EPA.tun
Optimization File: C:\Elandata\Optimize\epa.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 55
Current Dead Time (ns): 55

1.84 x 10^-5

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	69894.2	69894.225	331.236	0.5
	Rh	102.9	336112.9	336112.948	3359.090	1.0
	In	114.9	376933.0	376932.994	21236.433	5.6
	Pb	208.0	267188.9	267188.871	1946.091	0.7
⌈>	Ba	137.9	407174.5	407174.484	1412.831	0.3
⌊	Ba++	69.0	4198.6	0.010	0.000	1.4
⌈>	Ce	139.9	477738.7	477738.652	3869.897	0.8
⌊	CeO	155.9	13484.9	0.028	0.001	2.7
	Bkgd	220.0	6.2	6.201	1.483	23.9

Current Optimization File Data

Current Value	Description
0.95	Nebulizer Gas Flow
5.75	Lens Voltage
1100.00	ICP RF Power
-1893.00	Analog Stage Voltage
1192.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-5.50	AC Rod Offset

4195.1

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	13	4.3	3416.1
Co	59	13	5.0	116391.3
In	115	13	6.0	446083.9

4195.2

Instrument Tuning Report

File Name: EPA.tun
File Path: C:\elandata\Tuning\EPA.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.027	598	2087	0.591	
Mg	23.985	23.979	5733	2024	0.569	
Rh	102.905	102.928	25065	1900	0.647	
Ce	139.905	139.929	34051	1961	0.658	
Pb	207.977	207.978	50456	2247	0.618	

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Thursday, August 25, 2011 16:03:12
Sample Description:
Method File: C:\Elandata\Method\EPA200 DAILY.mth
Dataset File: C:\Elandata\Dataset\daily performance\Sample.003
Tuning File: C:\Elandata\Tuning\EPA.tun
Optimization File: C:\Elandata\Optimize\epa.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 55
Current Dead Time (ns): 55

1.84 x 10^-5
Dn

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	55832.9	55832.894	121.725	0.2
	Rh	102.9	245480.5	245480.490	1411.450	0.6
	In	114.9	309056.0	309056.002	4531.421	1.5
	Pb	208.0	195749.4	195749.435	909.124	0.5
⌈>	Ba	137.9	304887.5	304887.544	1324.521	0.4
⌊	Ba++	69.0	3175.7	0.010	0.000	1.5
⌈>	Ce	139.9	364698.4	364698.396	2304.006	0.6
⌊	CeO	155.9	9928.8	0.027	0.000	0.9
	Bkgd	220.0	9.8	9.801	3.702	37.8

Current Optimization File Data

Current Value	Description
0.91	Nebulizer Gas Flow
6.25	Lens Voltage
1100.00	ICP RF Power
-1893.00	Analog Stage Voltage
1192.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-5.50	AC Rod Offset

41951.1

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	13	4.5	2509.3
Co	59	13	5.3	86485.4
In	115	13	6.5	330593.7

41950.7

Instrument Tuning Report

File Name: EPA.tun
File Path: C:\elandata\Tuning\EPA.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.025	599	2087	0.592	
Mg	23.985	24.028	5743	2024	0.570	
Rh	102.905	102.878	25058	1900	0.656	
Ce	139.905	139.879	34044	1961	0.662	
Pb	207.977	207.977	50456	2247	0.630	

Aqueous Digestion Logbook

BatSamNum	Prep Date	Digestion Batch ID	Reagent/Chem Inv.	Temp. °C	Analyst	Notes
BLANK	8/19/11	A	42007.3 38990.3 41320.1	83.5	JS	
LCS			41321.1 41680.1 39600.1			
LCS Ag			39603.1			
102455.01						
.02						
.03						
.04						
.05						
MS			41321.1 41680.1 39600.1			
MSD			↓ ↓ ↓			
102455.06						
.07						
.08						
.09						
.10						
.11						
.12						
.13						
.14						
.15						
.16						
.17						
.18						
.19						
102 418.01						

JDS
JS 8/19/11

Kevin McKibben
Provan & Lorber (Co)
PO Box 389
Contoocook, NH 03229

ACCREDITED IN ACCORDANCE WITH nelac

Subject: Laboratory Report
Eastern Analytical, Inc. ID: 102479
Client Identification: Coakley Landfill | P1081
Date Received: 8/22/2011

Report revision/reissue: Revision, replaces report dated 9/9/11

Revision information: This report has been revised, due to no value for Vanadium, the QC Report has been inserted for Dissolved Fe & Mn.

Dear Mr. McKibben :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:
Solid samples are reported on a dry weight basis, unless otherwise noted
< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director — Date: 9/12/11 — # of pages (excluding cover letter): 133

SAMPLE CONDITIONS PAGE

EAI ID#: 102479

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Temperature upon receipt (°C): 1.6 **Received on ice or cold packs (Yes/No): Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
102479.01	GW-MW-9-0811	8/22/11	8/18/11	aqueous		Adheres to Sample Acceptance Policy
102479.02	GW-FPC-6A-0811	8/22/11	8/18/11	aqueous		Adheres to Sample Acceptance Policy
102479.03	GW-FPC-6B-0811	8/22/11	8/18/11	aqueous		Adheres to Sample Acceptance Policy
102479.04	GW-MW-5S-0811	8/22/11	8/19/11	aqueous		Adheres to Sample Acceptance Policy
102479.05	GW-MW-5S-DUP-0811	8/22/11	8/19/11	aqueous		Adheres to Sample Acceptance Policy
102479.06	GW-MW-5S-FB-0811	8/22/11	8/19/11	aqueous		Adheres to Sample Acceptance Policy
102479.07	GW-MW-10-0811	8/22/11	8/19/11	aqueous		Adheres to Sample Acceptance Policy
102479.08	GW-MW-11-0811	8/22/11	8/19/11	aqueous		Adheres to Sample Acceptance Policy
102479.09	GW-AE-3A-0811	8/22/11	8/19/11	aqueous		Adheres to Sample Acceptance Policy
102479.1	GW-FPC-5A-0811	8/22/11	8/19/11	aqueous		Adheres to Sample Acceptance Policy
102479.11	GW-FPC-5B-0811	8/22/11	8/19/11	aqueous		Adheres to Sample Acceptance Policy
102479.12	DW-R-3-0811	8/22/11	8/18/11	aqueous		Adheres to Sample Acceptance Policy
102479.13	SW-SW-4-0811	8/22/11	8/19/11	aqueous		Adheres to Sample Acceptance Policy
102479.14	SW-SW-5-0811	8/22/11	8/19/11	aqueous		Adheres to Sample Acceptance Policy
102479.15	SW-SW-103-0811	8/22/11	8/18/11	aqueous		Adheres to Sample Acceptance Policy
102479.16	LC-L-1-0811	8/22/11	8/19/11	aqueous		Adheres to Sample Acceptance Policy
102479.17	LC-L-1-DUP-0811	8/22/11	8/19/11	aqueous		Adheres to Sample Acceptance Policy
102479.18	Trip Blank	8/22/11	7/11/11	aqueous		Adheres to Sample Acceptance Policy
102479.19	Trip Blank	8/22/11	8/2/11	aqueous		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater : Inorganics, 19th Edition, 1995; Microbiology, 20th Edition, 1998
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	DW-R-3-0811	SW-SW-4-0811	SW-SW-5-0811	SW-SW-103-0811	LC-L-1-0811	Trip Blank
Lab Sample ID:	102479.12	102479.13	102479.14	102479.15	102479.16	102479.18
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/18/11	8/19/11	8/19/11	8/18/11	8/19/11	7/11/11
Date Received:	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/23/11	8/23/11	8/23/11	8/23/11	8/24/11	8/24/11
Analyst:	VG	VG	VG	VG	VG	VG
Method:	524.2	524.2	524.2	524.2	524.2	524.2
Dilution Factor:	1	1	1	1	1	1
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	< 0.5	< 0.5	< 0.5	< 0.5	**4.1**	< 0.5
Trichlorofluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Diethyl Ether	< 5	< 5	< 5	< 5	**12**	< 5
Acetone	< 10	< 10	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30	< 30	< 30	< 30
Methylene chloride	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	< 2	< 2	< 2	< 2	< 2	< 2
Methyl-t-butyl ether(MTBE)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethyl-t-butyl ether(ETBE)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl ether(DIPE)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
tert-amyl methyl ether(TAME)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl acetate	< 10	< 10	< 10	< 10	< 10	< 10
1,1-Dichloroethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2,2-Dichloropropane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-Dichloroethene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone(MEK)	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Tetrahydrofuran(THF)	< 5	< 5	< 5	< 5	**13**	< 5
Chloroform	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,1-Trichloroethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	< 0.5	< 0.5	< 0.5	< 0.5	**2.0**	< 0.5
1,2-Dichloroethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloropropane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibromomethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone(MIBK)	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Toluene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-Dichloropropene	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2-Trichloroethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Hexanone	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-Dichloropropane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dibromoethane(EDB)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5	**18**	< 0.5
1,1,1,2-Tetrachloroethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	DW-R-3-0811	SW-SW-4-0811	SW-SW-5-0811	SW-SW-103-0811	LC-L-1-0811	Trip Blank
Lab Sample ID:	102479.12	102479.13	102479.14	102479.15	102479.16	102479.18
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/18/11	8/19/11	8/19/11	8/18/11	8/19/11	7/11/11
Date Received:	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/23/11	8/23/11	8/23/11	8/23/11	8/24/11	8/24/11
Analyst:	VG	VG	VG	VG	VG	VG
Method:	524.2	524.2	524.2	524.2	524.2	524.2
Dilution Factor:	1	1	1	1	1	1
Ethylbenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
mp-Xylene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Styrene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
IsoPropylbenzene	< 0.5	< 0.5	< 0.5	< 0.5	**1.6**	< 0.5
Bromobenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2,3-Trichloropropane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
n-Propylbenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Chlorotoluene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3,5-Trimethylbenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2,4-Trimethylbenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
sec-Butylbenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-Dichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
p-Isopropyltoluene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5	**2.3**	< 0.5
1,2-Dichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5	**1.2**	< 0.5
n-Butylbenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dibromo-3-chloropropane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3,5-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2,4-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	**101 %R**	**102 %R**	**101 %R**	**101 %R**	**102 %R**	**101 %R**
1,2-Dichlorobenzene-d4 (surr)	**103 %R**	**104 %R**	**104 %R**	**103 %R**	**104 %R**	**105 %R**

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Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-FPC-6A-0811	GW-FPC-6B-0811	GW-MW-5S-0811	GW-MW-5S-DUP-0811	GW-MW-5S-FB-0811	GW-MW-11-0811	GW-AE-3A-0811
Lab Sample ID:	102479.02	102479.03	102479.04	102479.05	102479.06	102479.08	102479.09
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/18/11	8/18/11	8/19/11	8/19/11	8/19/11	8/19/11	8/19/11
Date Received:	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/29/11	8/29/11	8/29/11	8/29/11	8/29/11	8/29/11	8/29/11
Analyst:	VG	VG	VG	VG	VG	VG	VG
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Dichlorodifluoromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl chloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromomethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chloroethane	**6**	**6**	**7**	**7**	< 5	**8**	**8**
Trichlorofluoromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl Ether	**12**	**13**	**32**	**33**	< 5	**18**	**12**
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon disulfide	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-t-butyl ether(MTBE)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethyl-t-butyl ether(ETBE)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isopropyl ether(DIPE)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
tert-amyl methyl ether(TAME)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone(MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tetrahydrofuran(THF)	< 10	< 10	**40**	**40**	< 10	**20**	< 10
Chloroform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Benzene	**1**	**1**	**4**	**4**	< 1	**2**	**1**
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromomethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Tetrachloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dibromoethane(EDB)	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	**3**	**4**	**2**	**2**	< 2	< 2	**6**
1,1,1,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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Sample ID:	GW-FPC-6A-0811	GW-FPC-6B-0811	GW-MW-5S-0811	GW-MW-5S-DUP-0811	GW-MW-5S-FB-0811	GW-MW-11-0811	GW-AE-3A-0811
Lab Sample ID:	102479.02	102479.03	102479.04	102479.05	102479.06	102479.08	102479.09
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/18/11	8/18/11	8/19/11	8/19/11	8/19/11	8/19/11	8/19/11
Date Received:	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/29/11	8/29/11	8/29/11	8/29/11	8/29/11	8/29/11	8/29/11
Analyst:	VG	VG	VG	VG	VG	VG	VG
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1	< 1	**3**	< 1
o-Xylene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	**2**	**2**	< 1	**2**	< 1
Bromobenzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2,3-Trichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
n-Propylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorotoluene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
4-Chlorotoluene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	**1**	**1**	**3**	**3**	< 1	**1**	**1**
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,3-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Bromofluorobenzene (surr)	**98 %R**	**97 %R**	**99 %R**	**98 %R**	**98 %R**	**99 %R**	**98 %R**
1,2-Dichlorobenzene-d4 (surr)	**106 %R**	**105 %R**	**105 %R**	**105 %R**	**105 %R**	**104 %R**	**105 %R**
Toluene-d8 (surr)	**105 %R**	**104 %R**	**106 %R**	**104 %R**	**105 %R**	**105 %R**	**103 %R**

Client: **Provan & Lorber (Co)**

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Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 0.5	4.8 (97 %R)	5.3 (106 %R) (9 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Chloromethane	< 0.5	5.2 (104 %R)	5.5 (111 %R) (7 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Vinyl chloride	< 0.5	5.4 (108 %R)	5.8 (115 %R) (6 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Bromomethane	< 0.5	* 3.0 (60 %R)	3.5 (70 %R) (15 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Chloroethane	< 0.5	5.3 (107 %R)	5.7 (113 %R) (5 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Trichlorofluoromethane	< 0.5	5.5 (110 %R)	5.9 (119 %R) (8 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Diethyl Ether	< 5	< 5 (98 %R)	5 (103 %R) (5 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Acetone	< 10	< 10 (94 %R)	< 10 (104 %R) (10 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,1-Dichloroethene	< 0.5	4.5 (89 %R)	4.9 (98 %R) (10 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
tert-Butyl Alcohol (TBA)	< 30	< 30 (97 %R)	< 30 (108 %R) (11 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Methylene chloride	< 0.5	4.6 (92 %R)	5.0 (99 %R) (7 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Carbon disulfide	< 2	4 (78 %R)	5 (96 %R) (21 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Methyl-t-butyl ether(MTBE)	< 0.5	4.6 (92 %R)	5.0 (99 %R) (7 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Ethyl-t-butyl ether(ETBE)	< 0.5	3.8 (77 %R)	4.3 (86 %R) (11 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Isopropyl ether(DIPE)	< 0.5	4.9 (97 %R)	5.2 (105 %R) (8 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
tert-amyl methyl ether(TAME)	< 0.5	4.0 (80 %R)	4.5 (89 %R) (11 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
trans-1,2-Dichloroethene	< 0.5	4.6 (93 %R)	5.1 (101 %R) (8 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Vinyl acetate	< 10	< 10 (86 %R)	< 10 (99 %R) (14 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,1-Dichloroethane	< 0.5	4.8 (96 %R)	5.2 (105 %R) (9 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
2,2-Dichloropropane	< 0.5	* 1.7 (33 %R)	* 2.0 (40 %R) (19 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
cis-1,2-Dichloroethene	< 0.5	5.1 (102 %R)	5.5 (110 %R) (8 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
2-Butanone(MEK)	< 5	< 5 (96 %R)	5 (100 %R) (4 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Bromochloromethane	< 0.5	4.9 (99 %R)	5.3 (107 %R) (8 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Tetrahydrofuran(THF)	< 5	6 (114 %R)	6 (116 %R) (2 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Chloroform	< 0.5	4.9 (99 %R)	5.4 (107 %R) (8 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,1,1-Trichloroethane	< 0.5	3.8 (75 %R)	4.3 (85 %R) (13 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Carbon tetrachloride	< 0.5	* 3.1 (62 %R)	3.6 (72 %R) (15 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,1-Dichloropropene	< 0.5	4.6 (91 %R)	5.1 (101 %R) (10 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Benzene	< 0.5	4.8 (97 %R)	5.3 (107 %R) (10 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,2-Dichloroethane	< 0.5	5.3 (106 %R)	5.7 (114 %R) (7 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Trichloroethene	< 0.5	4.8 (96 %R)	5.2 (104 %R) (8 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,2-Dichloropropane	< 0.5	4.8 (95 %R)	5.3 (105 %R) (10 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Dibromomethane	< 0.5	5.2 (104 %R)	5.4 (109 %R) (5 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Bromodichloromethane	< 0.5	4.5 (90 %R)	5.0 (99 %R) (10 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
4-Methyl-2-pentanone(MIBK)	< 5	< 5 (94 %R)	< 5 (100 %R) (6 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
cis-1,3-Dichloropropene	< 0.3	3.7 (73 %R)	4.1 (82 %R) (12 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Toluene	< 0.5	4.8 (97 %R)	5.3 (106 %R) (9 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
trans-1,3-Dichloropropene	< 0.3	* 2.9 (58 %R)	* 3.4 (68 %R) (16 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,1,2-Trichloroethane	< 0.5	5.3 (106 %R)	5.5 (111 %R) (5 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
2-Hexanone	< 5	< 5 (99 %R)	5 (106 %R) (7 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Tetrachloroethene	< 0.5	5.0 (99 %R)	5.5 (111 %R) (11 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,3-Dichloropropane	< 0.5	5.3 (105 %R)	5.6 (111 %R) (6 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Dibromochloromethane	< 0.5	4.6 (91 %R)	5.1 (102 %R) (11 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,2-Dibromoethane(EDB)	< 0.5	4.5 (89 %R)	5.0 (100 %R) (12 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Chlorobenzene	< 0.5	4.9 (98 %R)	5.3 (106 %R) (8 RPD)	8/23/2011	ug/l	70 - 130	30	524.2

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Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,1,1,2-Tetrachloroethane	< 0.5	3.5 (71 %R)	4.1 (83 %R) (16 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Ethylbenzene	< 0.5	5.0 (99 %R)	5.4 (109 %R) (10 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
mp-Xylene	< 0.5	10 (102 %R)	11 (113 %R) (10 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
o-Xylene	< 0.5	4.8 (97 %R)	5.3 (106 %R) (9 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Styrene	< 0.5	4.8 (95 %R)	5.2 (105 %R) (10 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Bromoform	< 0.5	5.4 (108 %R)	6.0 (121 %R) (11 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
IsoPropylbenzene	< 0.5	5.1 (103 %R)	5.8 (116 %R) (12 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Bromobenzene	< 0.5	4.8 (96 %R)	5.2 (104 %R) (8 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,1,2,2-Tetrachloroethane	< 0.5	5.1 (101 %R)	5.5 (110 %R) (9 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,2,3-Trichloropropane	< 0.5	5.3 (105 %R)	5.6 (112 %R) (6 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
n-Propylbenzene	< 0.5	4.8 (96 %R)	5.5 (110 %R) (14 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
2-Chlorotoluene	< 0.5	4.8 (97 %R)	5.4 (108 %R) (11 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
4-Chlorotoluene	< 0.5	4.8 (97 %R)	5.4 (108 %R) (11 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,3,5-Trimethylbenzene	< 0.5	4.8 (95 %R)	5.3 (107 %R) (12 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
tert-Butylbenzene	< 0.5	4.7 (94 %R)	5.3 (106 %R) (12 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,2,4-Trimethylbenzene	< 0.5	4.9 (98 %R)	5.5 (110 %R) (12 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
sec-Butylbenzene	< 0.5	4.7 (94 %R)	5.4 (107 %R) (13 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,3-Dichlorobenzene	< 0.5	4.8 (96 %R)	5.4 (107 %R) (11 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
p-Isopropyltoluene	< 0.5	4.7 (93 %R)	5.4 (109 %R) (16 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,4-Dichlorobenzene	< 0.5	4.9 (98 %R)	5.4 (109 %R) (11 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,2-Dichlorobenzene	< 0.5	4.9 (99 %R)	5.4 (109 %R) (10 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
n-Butylbenzene	< 0.5	4.6 (91 %R)	5.4 (107 %R) (16 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,2-Dibromo-3-chloropropane	< 0.5	4.1 (82 %R)	4.5 (90 %R) (9 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,3,5-Trichlorobenzene	< 0.5	4.4 (88 %R)	5.1 (101 %R) (14 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,2,4-Trichlorobenzene	< 0.5	4.6 (91 %R)	5.3 (105 %R) (14 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Hexachlorobutadiene	< 0.5	4.0 (80 %R)	4.7 (94 %R) (16 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
Naphthalene	< 0.5	4.7 (94 %R)	5.3 (107 %R) (13 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
1,2,3-Trichlorobenzene	< 0.5	4.5 (90 %R)	5.2 (105 %R) (15 RPD)	8/23/2011	ug/l	70 - 130	30	524.2
4-Bromofluorobenzene (surr)	100 %R	104 %R	105 %R	8/23/2011	% Rec	70 - 130		524.2
1,2-Dichlorobenzene-d4 (surr)	103 %R	107 %R	107 %R	8/23/2011	% Rec	70 - 130		524.2

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

The calibration verification sample associated with the samples deviated from % deviation criteria of 20% for 2,2-dichloropropane.

Client: **Provan & Lorber (Co)**

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Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 5	18 (91 %R)	16 (82 %R) (10 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Chloromethane	< 2	19 (95 %R)	17 (87 %R) (9 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Vinyl chloride	< 2	22 (111 %R)	20 (98 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromomethane	< 2	14 (70 %R)	13 (64 %R) (9 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Chloroethane	< 5	21 (107 %R)	20 (98 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	< 5	21 (107 %R)	20 (98 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Diethyl Ether	< 5	19 (95 %R)	18 (89 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Acetone	< 10	20 (84 %R)	10 (73 %R) (14 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
1,1-Dichloroethene	< 1	18 (90 %R)	16 (82 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	< 30	100 (100 %R)	100 (99 %R) (1 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Methylene chloride	< 5	18 (91 %R)	17 (84 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Carbon disulfide	< 5	14 (72 %R)	* 13 (64 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	< 5	19 (94 %R)	18 (89 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	< 5	18 (92 %R)	18 (88 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	< 5	20 (98 %R)	19 (93 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	< 5	19 (93 %R)	18 (90 %R) (3 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	< 2	19 (93 %R)	17 (85 %R) (9 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	< 2	19 (95 %R)	18 (89 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	< 2	* 14 (68 %R)	* 13 (65 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	< 2	20 (102 %R)	19 (95 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	< 10	20 (95 %R)	20 (90 %R) (5 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Bromochloromethane	< 2	19 (95 %R)	18 (91 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	< 10	20 (108 %R)	20 (101 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Chloroform	< 2	20 (98 %R)	18 (92 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	< 2	17 (87 %R)	17 (83 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Carbon tetrachloride	< 2	15 (75 %R)	14 (71 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	< 2	19 (95 %R)	18 (88 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Benzene	< 1	19 (97 %R)	18 (90 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	< 2	20 (101 %R)	19 (96 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Trichloroethene	< 2	19 (95 %R)	18 (88 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	< 2	19 (97 %R)	18 (92 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Dibromomethane	< 2	20 (98 %R)	19 (94 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromodichloromethane	< 0.5	19 (97 %R)	18 (92 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,4-Dioxane	< 50	< 50 (128 %R)	< 50 (133 %R) (4 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
4-Methyl-2-pentanone(MIBK)	< 10	20 (104 %R)	20 (97 %R) (7 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
cis-1,3-Dichloropropene	< 2	19 (94 %R)	18 (90 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Toluene	< 1	20 (101 %R)	19 (95 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	< 2	19 (93 %R)	18 (89 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	< 2	22 (108 %R)	20 (102 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2-Hexanone	< 10	20 (112 %R)	20 (105 %R) (6 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Tetrachloroethene	< 2	21 (107 %R)	19 (97 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	< 2	21 (106 %R)	20 (100 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Dibromochloromethane	< 2	18 (92 %R)	18 (89 %R) (3 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	< 2	20 (101 %R)	20 (98 %R) (3 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Chlorobenzene	< 2	20 (101 %R)	19 (96 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B

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Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,1,1,2-Tetrachloroethane	< 2	20 (99 %R)	19 (95 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Ethylbenzene	< 1	21 (107 %R)	20 (101 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
mp-Xylene	< 1	43 (107 %R)	40 (99 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
o-Xylene	< 1	21 (104 %R)	20 (98 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Styrene	< 1	21 (103 %R)	19 (97 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromoform	< 2	19 (95 %R)	18 (92 %R) (3 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
IsoPropylbenzene	< 1	23 (115 %R)	21 (107 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromobenzene	< 2	20 (101 %R)	19 (96 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	< 2	22 (108 %R)	21 (103 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	< 2	22 (111 %R)	21 (105 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
n-Propylbenzene	< 1	22 (111 %R)	21 (104 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2-Chlorotoluene	< 2	21 (105 %R)	20 (99 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
4-Chlorotoluene	< 2	21 (106 %R)	20 (99 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	< 1	22 (109 %R)	20 (102 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
tert-Butylbenzene	< 1	22 (108 %R)	20 (101 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	< 1	22 (111 %R)	21 (104 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
sec-Butylbenzene	< 1	22 (110 %R)	20 (102 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	< 1	21 (106 %R)	20 (100 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	< 1	23 (113 %R)	21 (104 %R) (8 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	< 1	21 (106 %R)	20 (102 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	< 1	21 (106 %R)	20 (101 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
n-Butylbenzene	< 1	22 (112 %R)	21 (105 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	< 2	20 (98 %R)	19 (93 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	< 1	21 (103 %R)	20 (99 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	< 1	21 (107 %R)	21 (103 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	< 0.5	19 (96 %R)	18 (91 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Naphthalene	< 5	22 (112 %R)	21 (107 %R) (5 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	< 1	21 (105 %R)	20 (101 %R) (4 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	97 %R	101 %R	101 %R	8/29/2011	% Rec	70 - 130	20	8260B
1,2-Dichlorobenzene-d4 (surr)	105 %R	103 %R	101 %R	8/29/2011	% Rec	70 - 130	20	8260B
Toluene-d8 (surr)	104 %R	104 %R	105 %R	8/29/2011	% Rec	70 - 130	20	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

The calibration verification sample associated with the samples deviated from % deviation criteria of 20% for dichlorodifluoromethane, bromomethane, acetone and 2-hexanone.

Client: **Provan & Lorber (Co)**

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Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	102479.04	< 5	20 (98 %R)	20 (101 %R) (3 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Chloromethane	102479.04	< 2	20 (98 %R)	21 (103 %R) (5 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Vinyl chloride	102479.04	< 2	24 (118 %R)	25 (125 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromomethane	102479.04	< 2	14 (70 %R)	16 (80 %R) (13 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Chloroethane	102479.04	7	29 (110 %R)	31 (118 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	102479.04	< 5	23 (113 %R)	24 (120 %R) (6 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Diethyl Ether	102479.04	32	49 (84 %R)	53 (102 %R) (19 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Acetone	102479.04	< 10	10 (74 %R)	20 (83 %R) (11 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
1,1-Dichloroethene	102479.04	< 1	18 (89 %R)	20 (100 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	102479.04	< 30	100 (84 %R)	120 (108 %R) (25 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Methylene chloride	102479.04	< 5	17 (85 %R)	19 (96 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Carbon disulfide	102479.04	< 5	14 (70 %R)	16 (79 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	102479.04	< 5	18 (86 %R)	20 (100 %R) (15 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	102479.04	< 5	17 (87 %R)	20 (99 %R) (13 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	102479.04	< 5	19 (93 %R)	21 (105 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	102479.04	< 5	18 (88 %R)	20 (100 %R) (13 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	102479.04	< 2	18 (91 %R)	20 (101 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	102479.04	< 2	19 (96 %R)	21 (106 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	102479.04	< 2	15 (77 %R)	17 (86 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	102479.04	< 2	20 (99 %R)	22 (110 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	102479.04	< 10	20 (87 %R)	20 (97 %R) (11 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Bromochloromethane	102479.04	< 2	18 (89 %R)	20 (101 %R) (13 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	102479.04	40	60 (85 %R)	60 (116 %R) (31 RPD) !	8/29/2011	ug/l	70 - 130	20	8260B
Chloroform	102479.04	< 2	19 (93 %R)	21 (104 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	102479.04	< 2	18 (89 %R)	20 (99 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Carbon tetrachloride	102479.04	< 2	16 (78 %R)	17 (86 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	102479.04	< 2	19 (94 %R)	21 (104 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Benzene	102479.04	4	22 (92 %R)	24 (103 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	102479.04	< 2	19 (96 %R)	22 (108 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Trichloroethene	102479.04	< 2	19 (93 %R)	21 (104 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	102479.04	< 2	19 (93 %R)	21 (103 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Dibromomethane	102479.04	< 2	18 (89 %R)	20 (102 %R) (14 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromodichloromethane	102479.04	< 0.5	19 (93 %R)	21 (103 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,4-Dioxane	102479.04	< 50	70 (132 %R)	* 80 (178 %R) (30 RPD)!	8/29/2011	ug/l	40 - 160	20	8260B
4-Methyl-2-pentanone(MIBK)	102479.04	< 10	20 (96 %R)	20 (108 %R) (12 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
cis-1,3-Dichloropropene	102479.04	< 2	18 (92 %R)	21 (103 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Toluene	102479.04	< 1	20 (98 %R)	22 (110 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	102479.04	< 2	18 (89 %R)	20 (102 %R) (14 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	102479.04	< 2	19 (97 %R)	22 (111 %R) (13 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2-Hexanone	102479.04	< 10	20 (103 %R)	20 (117 %R) (13 RPD)	8/29/2011	ug/l	40 - 160	20	8260B
Tetrachloroethene	102479.04	< 2	20 (102 %R)	23 (115 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	102479.04	< 2	19 (96 %R)	22 (109 %R) (13 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Dibromochloromethane	102479.04	< 2	17 (87 %R)	20 (98 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	102479.04	< 2	19 (94 %R)	21 (107 %R) (13 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Chlorobenzene	102479.04	2	22 (98 %R)	24 (108 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B

Client: **Provan & Lorber (Co)**

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Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
1,1,1,2-Tetrachloroethane	102479.04	< 2	19 (96 %R)	22 (110 %R) (14 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Ethylbenzene	102479.04	< 1	21 (104 %R)	23 (116 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
mp-Xylene	102479.04	< 1	42 (104 %R)	46 (115 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
o-Xylene	102479.04	< 1	20 (100 %R)	23 (112 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Styrene	102479.04	< 1	20 (98 %R)	22 (110 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromoform	102479.04	< 2	18 (89 %R)	20 (100 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
IsoPropylbenzene	102479.04	2	24 (112 %R)	27 (125 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Bromobenzene	102479.04	< 2	19 (97 %R)	22 (109 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	102479.04	< 2	19 (96 %R)	23 (113 %R) (16 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	102479.04	< 2	20 (98 %R)	23 (114 %R) (15 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
n-Propylbenzene	102479.04	< 1	22 (108 %R)	24 (122 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
2-Chlorotoluene	102479.04	< 2	20 (102 %R)	23 (114 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
4-Chlorotoluene	102479.04	< 2	20 (102 %R)	23 (115 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	102479.04	< 1	21 (105 %R)	24 (119 %R) (13 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
tert-Butylbenzene	102479.04	< 1	21 (105 %R)	24 (117 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	102479.04	< 1	21 (106 %R)	24 (119 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
sec-Butylbenzene	102479.04	< 1	22 (107 %R)	24 (122 %R) (13 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	102479.04	< 1	21 (103 %R)	23 (115 %R) (11 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	102479.04	< 1	22 (108 %R)	25 (122 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	102479.04	3	23 (101 %R)	26 (115 %R) (13 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	102479.04	< 1	20 (100 %R)	23 (113 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
n-Butylbenzene	102479.04	< 1	22 (110 %R)	25 (124 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	102479.04	< 2	18 (89 %R)	21 (105 %R) (16 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	102479.04	< 1	20 (101 %R)	23 (114 %R) (12 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	102479.04	< 1	21 (103 %R)	24 (118 %R) (14 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	102479.04	< 0.5	20 (99 %R)	22 (109 %R) (10 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
Naphthalene	102479.04	< 5	21 (107 %R)	25 (126 %R) (16 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	102479.04	< 1	20 (99 %R)	23 (114 %R) (14 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	102479.04	99 %R	100 %R	100 %R	8/29/2011	% Rec	70 - 130	20	8260B
1,2-Dichlorobenzene-d4 (surr)	102479.04	105 %R	102 %R	104 %R	8/29/2011	% Rec	70 - 130	20	8260B
Toluene-d8 (surr)	102479.04	106 %R	106 %R	105 %R	8/29/2011	% Rec	70 - 130	20	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-MW-9-0811	GW-MW-5S-0811	GW-MW-5S-DUP-0811	GW-MW-5S-FB-0811	GW-MW-11-0811	GW-AE-3A-0811	GW-FPC-5A-0811
Lab Sample ID:	102479.01	102479.04	102479.05	102479.06	102479.08	102479.09	102479.1
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/18/11	8/19/11	8/19/11	8/19/11	8/19/11	8/19/11	8/19/11
Date Received:	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11	8/22/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/29/11	8/29/11	8/26/11	8/29/11	8/26/11	8/29/11	8/29/11
Analyst:	VG	VG	VG	VG	VG	VG	VG
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	10	10	1	10	1	1
1,4-Dioxane	**14**	**70**	**60**	**< 1**	**40**	**19**	**27**
4-Bromofluorobenzene (surr)	**87 %R**	**95 %R**	**78 %R**	**105 %R**	**87 %R**	**101 %R**	**88 %R**
Toluene-d8 (surr)	**94 %R**	**100 %R**	**95 %R**	**111 %R**	**95 %R**	**98 %R**	**96 %R**

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-FPC-5B-0811	LC-L-1-0811	Trip Blank
Lab Sample ID:	102479.11	102479.16	102479.19
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	8/19/11	8/19/11	8/2/11
Date Received:	8/22/11	8/22/11	8/22/11
Units:	ug/l	ug/l	ug/l
Date of Analysis:	8/30/11	8/30/11	8/29/11
Analyst:	VG	VG	VG
Method:	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	10	1	1
1,4-Dioxane	**50**	**25**	< 1
4-Bromofluorobenzene (surr)	**105 %R**	**110 %R**	**85 %R**
Toluene-d8 (surr)	**102 %R**	**104 %R**	**93 %R**

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	5 (101 %R)	5 (99 %R) (2 RPD)	8/26/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	84 %R	86 %R	86 %R	8/26/2011	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	97 %R	94 %R	100 %R	8/26/2011	% Rec	70 - 130	50	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	6 (111 %R)	6 (112 %R) (1 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	96 %R	89 %R	95 %R	8/29/2011	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	100 %R	98 %R	99 %R	8/29/2011	% Rec	70 - 130	50	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	102479.0	70	80 (84 %R)	80 (78 %R) (7 RPD)	8/29/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	102479.0	99 %R	92 %R	95 %R	8/29/2011	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	102479.0	106 %R	99 %R	99 %R	8/29/2011	% Rec	70 - 130	50	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	5 (102 %R)	4 (86 %R) (17 RPD)	8/30/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	102 %R	97 %R	98 %R	8/30/2011	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	104 %R	108 %R	92 %R	8/30/2011	% Rec	70 - 130	50	8260B

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits. Any impact to data is addressed below.

Client: **Provan & Lorber (Co)**
Client Designation: **Coakley Landfill | P1081**

Sample ID:	SW-SW-4-0811	SW-SW-5-0811	SW-SW-103-0811
Lab Sample ID:	102479.13	102479.14	102479.15
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	8/19/11	8/19/11	8/18/11
Date Received:	8/22/11	8/22/11	8/22/11

				Analysis			
				Units	**Date**	**Time**	**Method**	**Analyst**
Ammonia-N	**0.34**	**1.9**	**0.24**	mg/L	09/01/11	10:00	4500NH3D	SEL

Sample ID:	LC-L-1-0811	LC-L-1-DUP-0811
Lab Sample ID:	102479.16	102479.17
Matrix:	aqueous	aqueous
Date Sampled:	8/19/11	8/19/11
Date Received:	8/22/11	8/22/11

			Analysis				
			Units	**Date**	**Time**	**Method**	**Analyst**
Ammonia-N	**25**	**25**	mg/L	09/01/11	10:00	4500NH3D	SEL
COD	**40**	**43**	mg/L	08/25/11	10:30	H8000	LO

Ammonia: Method 4500NH3D has been modified to incorporate automated technology.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Ammonia-N	< 0.05	2.1 (103 %R)	2.0 (102 %R) (1 RPD)	mg/L	9/1/11	90 - 110	20	4500NH3
COD	< 10	100 (100 %R)	100 (102 %R) (2 RPD)	mg/L	8/25/11	85 - 115	20	H8000

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Ammonia-N	102479.16	25	42 (85 %R)	45 (99 %R) (15 RPD)	mg/L	9/1/11	80-120	20	4500NH3
COD	102549.04	< 10	47 (92 %R)	46 (90 %R) (2 RPD)	mg/L	8/25/11	80-120	20	H8000

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-MW-9-0811	GW-FPC-6A-0811	GW-FPC-6B-0811	GW-MW-5S-0811					
Lab Sample ID:	102479.01	102479.02	102479.03	102479.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/18/11	8/18/11	8/18/11	8/19/11	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/22/11	8/22/11	8/22/11	8/22/11					
Aluminum	< 0.05	< 0.05	< 0.05	< 0.05	AqTot	mg/L	8/29/11	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Arsenic	**0.13**	**0.009**	**0.005**	**0.018**	AqTot	mg/L	8/29/11	200.8	DS
Barium	**0.11**	**0.048**	**0.073**	**0.18**	AqTot	mg/L	8/29/11	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/31/11	200.8	DS
Calcium	**58**	**33**	**21**	**33**	AqTot	mg/L	8/29/11	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Copper	< 0.001	**0.002**	< 0.001	< 0.001	AqTot	mg/L	8/31/11	200.8	DS
Cobalt	**0.002**	**0.004**	< 0.001	**0.004**	AqTot	mg/L	8/29/11	200.8	DS
Iron	**37**	**1.2**	**6.8**	**14**	AqTot	mg/L	8/29/11	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Magnesium	**23**	**15**	**11**	**20**	AqTot	mg/L	8/29/11	200.8	DS
Manganese	**0.88**	**2.1**	**0.38**	**2.9**	AqTot	mg/L	8/29/11	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/29/11	200.8	DS
Nickel	**0.005**	**0.005**	**0.004**	**0.010**	AqTot	mg/L	8/31/11	200.8	DS
Potassium	**15**	**8.0**	**7.0**	**20**	AqTot	mg/L	8/29/11	200.8	DS
Selenium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/31/11	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Sodium	**56**	**130**	**110**	**85**	AqTot	mg/L	8/29/11	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Vanadium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Zinc	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/31/11	200.8	DS
Iron	**32**	**1.1**	**6.9**	**14**	AqDis	mg/L	8/29/11	200.8	DS
Manganese	**0.94**	**2.3**	**0.40**	**3.0**	AqDis	mg/L	8/29/11	200.8	DS

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-MW-5S-DUP-0811	GW-MW-5S-FB-0811	GW-AE-3A-0811	Analytical Matrix	Units	Date of Analysis	Method	Analyst
Lab Sample ID:	102479.05	102479.06	102479.09					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	8/19/11	8/19/11	8/19/11					
Date Received:	8/22/11	8/22/11	8/22/11					
Aluminum	< 0.05	< 0.05	< 0.05	AqTot	mg/L	8/29/11	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Arsenic	**0.017**	< 0.001	**0.11**	AqTot	mg/L	8/29/11	200.8	DS
Barium	**0.17**	< 0.001	**0.071**	AqTot	mg/L	8/29/11	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/31/11	200.8	DS
Calcium	**30**	< 0.05	**40**	AqTot	mg/L	8/29/11	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Copper	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/31/11	200.8	DS
Cobalt	**0.003**	< 0.001	**0.003**	AqTot	mg/L	8/29/11	200.8	DS
Iron	**13**	< 0.05	**21**	AqTot	mg/L	8/29/11	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Magnesium	**19**	< 0.05	**19**	AqTot	mg/L	8/29/11	200.8	DS
Manganese	**2.8**	< 0.005	**0.90**	AqTot	mg/L	8/29/11	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/29/11	200.8	DS
Nickel	**0.011**	< 0.001	**0.006**	AqTot	mg/L	8/31/11	200.8	DS
Potassium	**18**	< 0.05	**19**	AqTot	mg/L	8/29/11	200.8	DS
Selenium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/31/11	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Sodium	**83**	< 5	**66**	AqTot	mg/L	8/29/11	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Vanadium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Zinc	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/31/11	200.8	DS
Iron	**13**	< 0.05	**20**	AqDis	mg/L	8/29/11	200.8	DS
Manganese	**3.0**	< 0.005	**0.91**	AqDis	mg/L	8/29/11	200.8	DS

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	GW-MW-10-0811	GW-MW-11-0811	GW-FPC-5A-0811	GW-FPC-5B-0811					
Lab Sample ID:	102479.07	102479.08	102479.1	102479.11					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/19/11	8/19/11	8/19/11	8/19/11	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/22/11	8/22/11	8/22/11	8/22/11					
Aluminum	< 0.05	< 0.05	**0.09**	< 0.05	AqTot	mg/L	8/29/11	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Arsenic	**0.012**	**0.008**	**0.051**	**0.002**	AqTot	mg/L	8/29/11	200.8	DS
Barium	**0.054**	**0.073**	**0.12**	**0.039**	AqTot	mg/L	8/29/11	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/31/11	200.8	DS
Calcium	**43**	**20**	**41**	**5.0**	AqTot	mg/L	8/29/11	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Copper	< 0.001	< 0.001	**0.001**	**0.002**	AqTot	mg/L	8/31/11	200.8	DS
Cobalt	**0.002**	**0.002**	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Iron	**20**	**12**	**9.3**	**0.20**	AqTot	mg/L	8/29/11	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Magnesium	**13**	**17**	**21**	**3.0**	AqTot	mg/L	8/29/11	200.8	DS
Manganese	**1.6**	**0.35**	**0.11**	**0.056**	AqTot	mg/L	8/29/11	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/29/11	200.8	DS
Nickel	**0.004**	**0.005**	**0.006**	**0.005**	AqTot	mg/L	8/31/11	200.8	DS
Potassium	**10**	**8.5**	**22**	**5.8**	AqTot	mg/L	8/29/11	200.8	DS
Selenium	< 0.001	< 0.001	**0.003**	**0.005**	AqTot	mg/L	8/31/11	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Sodium	**50**	**80**	**94**	**270**	AqTot	mg/L	8/29/11	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Vanadium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/29/11	200.8	DS
Zinc	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/31/11	200.8	DS

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Sample ID:	SW-SW-4-0811	SW-SW-5-0811	SW-SW-103-0811	LC-L-1-0811					
Lab Sample ID:	102479.13	102479.14	102479.15	102479.16					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/19/11	8/19/11	8/18/11	8/19/11		Analysis			
Date Received:	8/22/11	8/22/11	8/22/11	8/22/11	**Units**	**Date**	**Time**	**Method**	**Analyst**
Aluminum	**0.16**	< 0.05	< 0.05	< 0.05	mg/L	8/29/11	1:32	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	mg/L	8/29/11	1:32	200.8	DS
Arsenic	**0.004**	**0.007**	**0.002**	**0.006**	mg/L	8/29/11	1:32	200.8	DS
Barium	**0.045**	**0.023**	**0.019**	**0.097**	mg/L	8/29/11	1:32	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	mg/L	8/31/11	1:32	200.8	DS
Calcium	**26**	**29**	**26**	**63**	mg/L	8/29/11	1:32	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	mg/L	8/29/11	1:32	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	mg/L	8/29/11	1:32	200.8	DS
Copper	**0.001**	**0.003**	**0.002**	**0.001**	mg/L	8/31/11	1:32	200.8	DS
Cobalt	**0.002**	**0.003**	< 0.001	< 0.001	mg/L	8/29/11	1:32	200.8	DS
Iron	**3.0**	**4.6**	**0.96**	**31**	mg/L	8/29/11	1:32	200.8	DS
Lead	**0.004**	< 0.001	< 0.001	< 0.001	mg/L	8/29/11	1:32	200.8	DS
Magnesium	**9.0**	**7.3**	**7.5**	**21**	mg/L	8/29/11	1:32	200.8	DS
Manganese	**2.2**	**2.1**	**0.40**	**2.7**	mg/L	8/29/11	1:32	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	mg/L	8/29/11	1:32	200.8	DS
Nickel	**0.002**	**0.004**	**0.003**	**0.004**	mg/L	8/31/11	1:32	200.8	DS
Potassium	**3.6**	**14**	**11**	**30**	mg/L	8/29/11	1:32	200.8	DS
Selenium	< 0.001	< 0.001	< 0.001	**0.002**	mg/L	8/31/11	1:32	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	mg/L	8/29/11	1:32	200.8	DS
Sodium	**17**	**20**	**24**	**91**	mg/L	8/29/11	1:32	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	mg/L	8/29/11	1:32	200.8	DS
Vanadium	**0.002**	< 0.001	< 0.001	< 0.001	mg/L	8/29/11	1:32	200.8	DS
Zinc	**0.024**	**0.016**	**0.013**	< 0.005	mg/L	8/31/11	1:32	200.8	DS

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	< 0.05	12 (113 %R)		mg/L	8/29/11	85 - 115	20	200.8
Antimony	< 0.001	1.2 (116 %R)		mg/L	8/29/11	85 - 115	20	200.8
Arsenic	< 0.001	1.0 (100 %R)		mg/L	8/29/11	85 - 115	20	200.8
Barium	< 0.001	1.1 (105 %R)		mg/L	8/29/11	85 - 115	20	200.8
Beryllium	< 0.001	1.0 (104 %R)		mg/L	8/31/11	85 - 115	20	200.8
Calcium	< 0.05	11 (104 %R)		mg/L	8/31/11	85 - 115	20	200.8
Cadmium	< 0.001	1.1 (106 %R)		mg/L	8/29/11	85 - 115	20	200.8
Chromium	< 0.001	0.97 (97 %R)		mg/L	8/29/11	85 - 115	20	200.8
Copper	< 0.001	0.91 (91 %R)		mg/L	8/31/11	85 - 115	20	200.8
Cobalt	< 0.001	0.94 (94 %R)		mg/L	8/29/11	85 - 115	20	200.8
Iron	< 0.05	11 (104 %R)		mg/L	8/29/11	85 - 115	20	200.8
Lead	< 0.001	1.1 (105 %R)		mg/L	8/29/11	85 - 115	20	200.8
Magnesium	< 0.05	12 (109 %R)		mg/L	8/29/11	85 - 115	20	200.8
Manganese	< 0.005	0.98 (98 %R)		mg/L	8/29/11	85 - 115	20	200.8
Mercury	< 0.0001	0.0011 (109 %R)		mg/L	8/29/11	85 - 115	20	200.8
Nickel	< 0.001	0.86 (86 %R)		mg/L	8/31/11	85 - 115	20	200.8
Potassium	< 0.05	12 (106 %R)		mg/L	8/29/11	85 - 115	20	200.8
Selenium	< 0.001	0.98 (98 %R)		mg/L	8/31/11	85 - 115	20	200.8
Silver	< 0.001	0.096 (96 %R)		mg/L	8/29/11	85 - 115	20	200.8
Sodium	< 5	12 (110 %R)		mg/L	8/29/11	85 - 115	20	200.8
Thallium	< 0.001	1.1 (107 %R)		mg/L	8/29/11	85 - 115	20	200.8
Vanadium	< 0.001	0.99 (99 %R)		mg/L	8/29/11	85 - 115	20	200.8
Zinc	< 0.005	0.87 (87 %R)		mg/L	8/31/11	85 - 115	20	200.8

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	102479.04	< 0.05	11 (100 %R)	9.6 (88 %R) (13 RPD)	mg/L	8/29/11	70-130	20	200.8
Antimony	102479.04	< 0.001	1.2 (121 %R)	1.2 (116 %R) (4 RPD)	mg/L	8/29/11	70-130	20	200.8
Arsenic	102479.04	0.018	1.0 (99 %R)	0.94 (92 %R) (7 RPD)	mg/L	8/29/11	70-130	20	200.8
Barium	102479.04	0.18	1.2 (106 %R)	1.2 (102 %R) (4 RPD)	mg/L	8/29/11	70-130	20	200.8
Beryllium	102479.04	< 0.001	0.89 (89 %R)	0.91 (91 %R) (2 RPD)	mg/L	8/31/11	70-130	20	200.8
Calcium	102479.04	41	53 (108 %R)	54 (114 %R) (5 RPD)	mg/L	8/31/11	70-130	20	200.8
Cadmium	102479.04	< 0.001	1.0 (102 %R)	0.99 (99 %R) (3 RPD)	mg/L	8/29/11	70-130	20	200.8
Chromium	102479.04	< 0.001	0.86 (86 %R)	0.76 (76 %R) (12 RPD)	mg/L	8/29/11	70-130	20	200.8
Copper	102479.04	< 0.001	0.82 (82 %R)	0.85 (84 %R) (2 RPD)	mg/L	8/31/11	70-130	20	200.8
Cobalt	102479.04	0.004	0.82 (82 %R)	0.72 (72 %R) (13 RPD)	mg/L	8/29/11	70-130	20	200.8
Iron	102479.04	14	24 (91 %R)	24 (87 %R) (4 RPD)	mg/L	8/29/11	70-130	20	200.8
Lead	102479.04	< 0.001	0.97 (97 %R)	0.94 (94 %R) (3 RPD)	mg/L	8/29/11	70-130	20	200.8
Magnesium	102479.04	20	32 (107 %R)	28 (72 %R) (39 RPD)	mg/L	8/29/11	70-130	20	200.8
Manganese	102479.04	3.4	4.3 (91 %R)	4.5 (107 %R) (16 RPD)	mg/L	8/29/11	70-130	20	200.8
Mercury	102479.04	< 0.0001	0.0010 (99 %R)	0.0010 (96 %R) (3 RPD)	mg/L	8/29/11	70-130	20	200.8
Nickel	102479.04	0.009	0.78 (77 %R)	0.80 (79 %R) (3 RPD)	mg/L	8/31/11	70-130	20	200.8
Potassium	102479.04	24	35 (100 %R)	36 (112 %R) (11 RPD)	mg/L	8/29/11	70-130	20	200.8
Selenium	102479.04	0.005	0.93 (93 %R)	0.92 (92 %R) (1 RPD)	mg/L	8/31/11	70-130	20	200.8
Silver	102479.04	< 0.001	0.91 (91 %R)	0.94 (94 %R) (3 RPD)	mg/L	8/29/11	70-130	20	200.8
Sodium	102479.04	92	100 (106 %R)	110 (125 %R) (16 RPD)	mg/L	8/29/11	70-130	20	200.8
Thallium	102479.04	< 0.001	1.0 (99 %R)	0.96 (96 %R) (3 RPD)	mg/L	8/29/11	70-130	20	200.8
Vanadium	102479.04	< 0.001	0.88 (88 %R)	0.79 (79 %R) (11 RPD)	mg/L	8/29/11	70-130	20	200.8
Zinc	102479.04	< 0.005	0.78 (77 %R)	0.79 (79 %R) (3 RPD)	mg/L	8/31/11	70-130	20	200.8

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

Client: **Provan & Lorber (Co)**

Client Designation: **Coakley Landfill | P1081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Iron	< 0.05	11 (104 %R)		mg/L	8/29/11	85 - 115	20	200.8
Manganese	< 0.005	0.98 (98 %R)		mg/L	8/29/11	85 - 115	20	200.8

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Iron	102479.04	14	24 (91 %R)	24 (94 %R) (3 RPD)	mg/L	8/29/11	70-130	20	200.8
Manganese	102479.04	3.0	3.7 (69 %R)	3.8 (73 %R) (6 RPD)	mg/L	8/29/11	70-130	20	200.8

Aqueous Dissolved

Manganese: Matrix spike had low recovery due to matrix interference.

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

Page 1 of 2

CHAIN-OF-CUSTODY RECORD

FOR 102479

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX; 524.2 MTBE ONLY; 8260B* 624 VTICS 1,4 DIOXANE EDB DBCP; 8021B BTEX HALOS; 8015B GRO MEGRO MAVPH	SVOC: 8270D 625 SVTICS ABN A BN PAH; TPH8100 L1 L2; 8015B DRO MEDRO MAEPH; PEST 608 PCB 608 PEST 8081A PCB 8082; OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW); TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.; BR CL F SO_4 NO_2 NO_3 NO_2-NO_3; BOD CBOD T. ALK.; TKN NH_3 T. PHOS. O. PHOS.; pH T. REL. CHLORINE; COD PHENOLS TOC DOC; TOTAL CYANIDE TOTAL SULFIDE; REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI FECAL COLIFORM; ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER: 1,4-Dioxane; Total 23 TAL Metals	# OF CONTAINERS	NOTES MEOH VIAL #
GW-MW-9-0811	8-18-11/19:25*	GW	G				X				X	X	4
GW-FPC-6A-0811	17:35			X			X					X	4
GW-FPC-6B-0811	17:00			X			X					X	4
GW-MW-55-0811	8-19-11/16:35			X			X				X	X	18
GW-MW-55-DUP-0811	16:35			X			X				X	X	6
GW-MW-55-FB-0811	16:05	DI		X			X				X	X	6
GW-MW-10-0811	17:25	GW										X	1
GW-MW-11-0811	11:30			X							X	X	5
GW-AE-3A-0811	12:20			X			X				X	X	6
GW-FPC-5A-0811	16:20										X	X	3
MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER				H			N				-	N	
PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH													

27

PROJECT MANAGER: Kevin McKibben
COMPANY: Provan + Lorber
ADDRESS: P.O. Box 389
CITY: Contoocook STATE: NH ZIP: 03229
PHONE: 603-746-3220 EXT.:
FAX: 746-3692
E-MAIL:
SITE NAME: Coakley Landfill
PROJECT #: P1081
STATE: (NH) MA ME VT OTHER:
REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:
QUOTE #: 7 PO #:

DATE NEEDED: Standard T.A.T.

QA/QC REPORTING LEVEL: A B (Special) C OR PRESUMPTIVE CERTAINTY

REPORTING OPTIONS: PRELIMS: YES OR NO; IF YES: FAX OR (PDF)

ELECTRONIC OPTIONS: NO FAX E-MAIL (PDF) EQUIS

TEMP. 1.6 °C ICE? (YES) NO

SAMPLER(S): K. McKibben

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Kevin McKibben	8-22-11	8:40	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA 13 PP (Fe, Mn) Pb, Cu

OTHER METALS:

DISSOLVED METALS FIELD FILTERED? (YES) NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)
MS+MSD samples included for GW-MW-55-0811
* Time from containers.
JLM 8/22

SITE HISTORY:
SUSPECTED CONTAMINATION:
FIELD READINGS:

eastern analytical, inc. 25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | FAX: 603.228.4591 | E-MAIL: CUSTOMER_SERVICE@EAILABS.COM | WWW.EAILABS.COM
professional laboratory services

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

Page 2 of 2

CHAIN-OF-CUSTODY RECORD

For 1

102479

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 MTBE ONLY; 524.2 BTEX	VOC: 524.2 VTICs; 8260B 624 VTICs; 1,4 DIOXANE; EDB; DBCP	VOC: 8021B BTEX; HALOS	VOC: 8015B GRO; MEGRO; MAVPH	SVOC: 8270D 625 SVTICs; ABN; A; BN; PAH	SVOC: TPH8100; LI; L2	SVOC: 8015B DRO; MEDRO; MAEPH	SVOC: PEST 608; PCB 608; PEST 8081A; PCB 8082	SVOC: OIL & GREASE 1664; TPH 1664	TCLP: TCLP 1311; ABN; METALS; VOC; PEST; HERB	METALS: DISSOLVED METALS (LIST BELOW)	METALS: TOTAL METALS (LIST BELOW)	INORGANICS: TS; TSS; TDS; SPEC. CON.	INORGANICS: BR; CL; F; SO4; NO2; NO3; NO2NO3	INORGANICS: BOD; CBOD; T. ALK.	INORGANICS: TKN; NH3; T. PHOS.; O. PHOS.	INORGANICS: PH; T. RES. CHLORINE	INORGANICS: COD; PHENOLS; TOC; DOC	INORGANICS: TOTAL CYANIDE; TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE; REACTIVE SULFIDE; FLASHPOINT; IGNITABILITY	MICRO: TOTAL COLIFORM; E. COLI; FECAL COLIFORM	MICRO: ENTEROCOCCI; HETEROTROPHIC PLATE COUNT	OTHER: 1,4-Dioxane	OTHER: TOTAL 1,2,3-TCP; Methane	OTHER: Ammonia	# OF CONTAINERS	NOTES MEOH VIAL #
GW-FPC-5B-0811	8-19-11 / 15:15	GW	G																								X	X		3	
DW-R-3-0811	8-18-11 / 19:20	DW		X																								X	**	2	
SW-SW-4-0811	8-19-11 / 9:20	SW		X																								X	X	4	
SW-SW-5-0811	↓ 10:45			X																								X	X	4	
SW-SW-103-0811	8-19-11 / 15:15			X																								X	X	4	
LC-L-1-0811	8-19-11 / 10:15			X																		X					**	X	X	X	7	
LC-L-1-DUP-0811	↓ 10:15																					X							X	2	
Trip Blank				X																								X		4	

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: Kevin McKibben

COMPANY: Provan + Hanber

ADDRESS: P.O. Box 389

CITY: Contoocook STATE: NH ZIP: 03229

PHONE: 603-746-3220 EXT.:

FAX: 746-5642

E-MAIL:

SITE NAME: Cookley L.F.

PROJECT #: P1081

STATE: (NH) MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:

QUOTE #: PO #:

DATE NEEDED: Standard T.A.T.

QA/QC REPORTING LEVEL

A B C

(Special) OR

PRESUMPTIVE CERTAINTY

REPORTING OPTIONS

PRELIMS: YES OR NO

IF YES: FAX OR (PDF)

ELECTRONIC OPTIONS

NO FAX E-MAIL (PDF) EQUIS

TEMP. 1.6 °C

ICE? (YES) NO

SAMPLER(S): K. McKibben

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
[signature]	8-22-11	8:40	[signature]
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA 13 PP (Fe, Mn) Pb, Cu

OTHER METALS:

DISSOLVED METALS FIELD FILTERED? (YES) NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

MS + MSD included for LC-L-1-0811 for Ammonia 1-4 Dioxane on Leachate + ** No metals on DW-R-3 per K. McKibben 8/22 (DW)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

eastern analytical, inc.
professional laboratory services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | FAX: 603.228.4591 | E-MAIL: CUSTOMER_SERVICE@EAILABS.COM | WWW.EAILABS.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

Volatile Organic Analysis
524.2 and 8260B Initial Calibration
102479

IS/SS ID= V- 3815
Standard ID= V- 3816A
Gas Standard ID= V- 3817
LCS/LCSD and/or MS/MSD Standard ID= V-3805
V-3806

Analyst: MO/VG

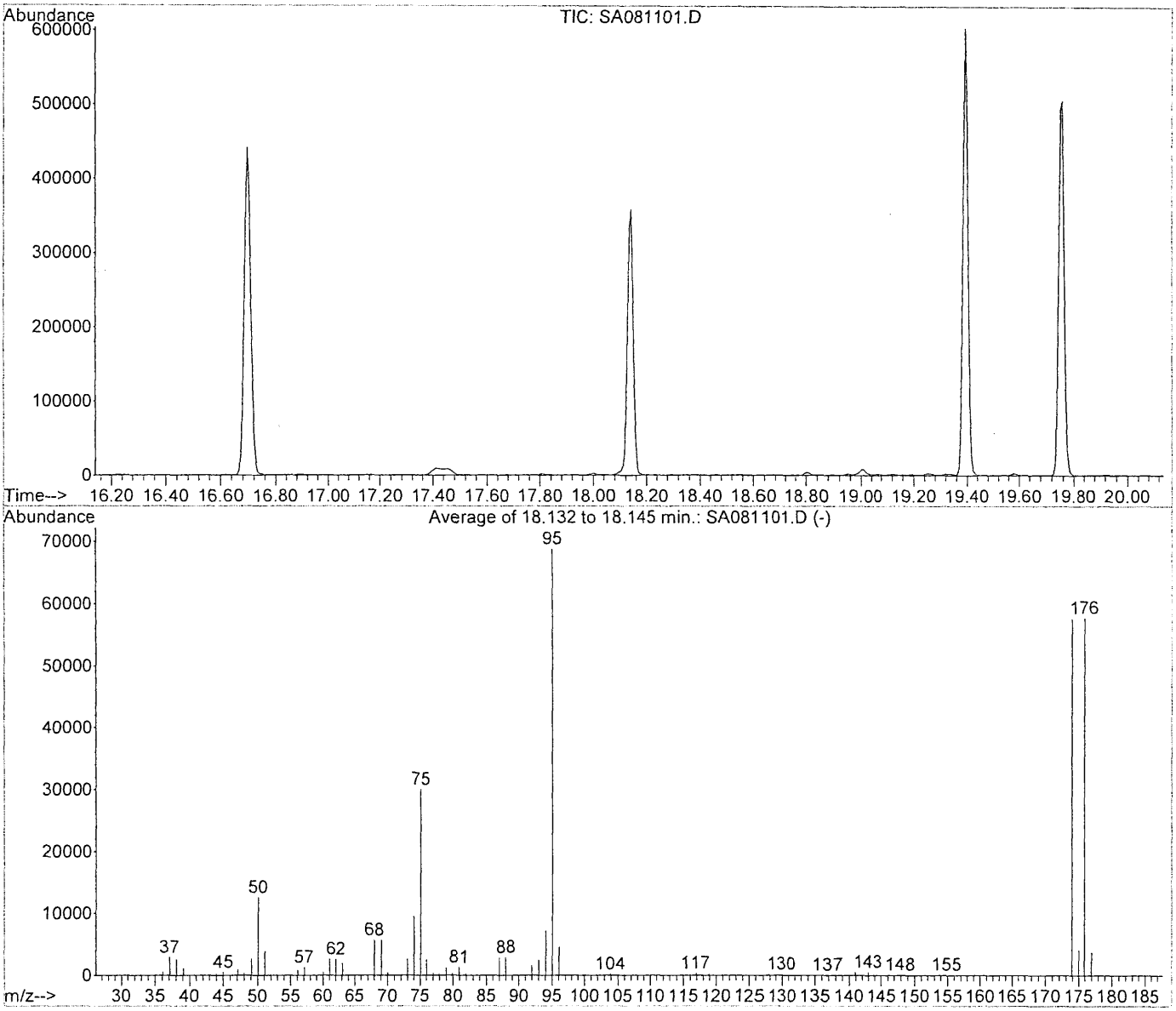
Date: 8/11/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA081101	BFB					VOCMS		autotuned		
2	02	25 ng BFB					VOCMS		autotuned		
3	03	STD0.2					VOCMS		DL not spike with IS/SS		
4	04	0.5					VOCMS				
5	05	1					VOCMS				
6	6	~~2~~					VOCMS		STD0.2		
7	7	~~5~~					VOCMS		STD0.5		
8	8	~~10~~					VOCMS		1		
9	9	~~20~~					VOCMS		2		
10	10	~~50~~					VOCMS		5		
11	11	~~100~~					VOCMS		10		
12	12	~~G50~~					VOCMS		~~20~~ (LW) Blank		
13	13	~~STD100~~					VOCMS		~~50~~ 20		
14	14	~~G100~~					VOCMS		~~100~~ Blank		
15	15	~~G200~~					VOCMS		G50 50		
16	16	~~STD300~~					VOCMS		STD100 100		
17	17	~~Blank~~					VOCMS		G100 G50		
18	18	—					VOCMS		G200 STD200		
19	19	—					VOCMS		STD300 G100		
20	20	G300					VOCMS		G300 G200		
21	21	G400					VOCMS		~~G~~ 400 STD300		
22	22	G400					VOCMS		(LW) G300		
23	23	LCS 10					VOCMS		G400		
24	24	LCS 20					VOCMS				
							VOCMS				
							VOCMS		NEW ICALS:		
							VOCMS				
							VOCMS		5LID0811 0.5-100 LR		
							VOCMS		5VID0811		
							VOCMS		5LID0811A: 10-300ppb LR		
							VOCMS				
							VOCMS				
							VOCMS		NOTE: GAS Conc. are		
							VOCMS		double in all points.		
							VOCMS		Stock solution		
							VOCMS		prepared at 100µg/mL		
							VOCMS		instead of 50µg/mL		
							VOCMS				
							VOCMS		VG 8/13/11		
							VOCMS				
							VOCMS				
							VOCMS				

Samples removed from autosampler, order and pH verified by _____

Data File : W:\1\DATA\AUG1111\SA081101.D
Acq On : 11 Aug 2011 7:48 am
Sample : BFB
Misc : x1; 5mL;
MS Integration Params: rteint.p
Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010

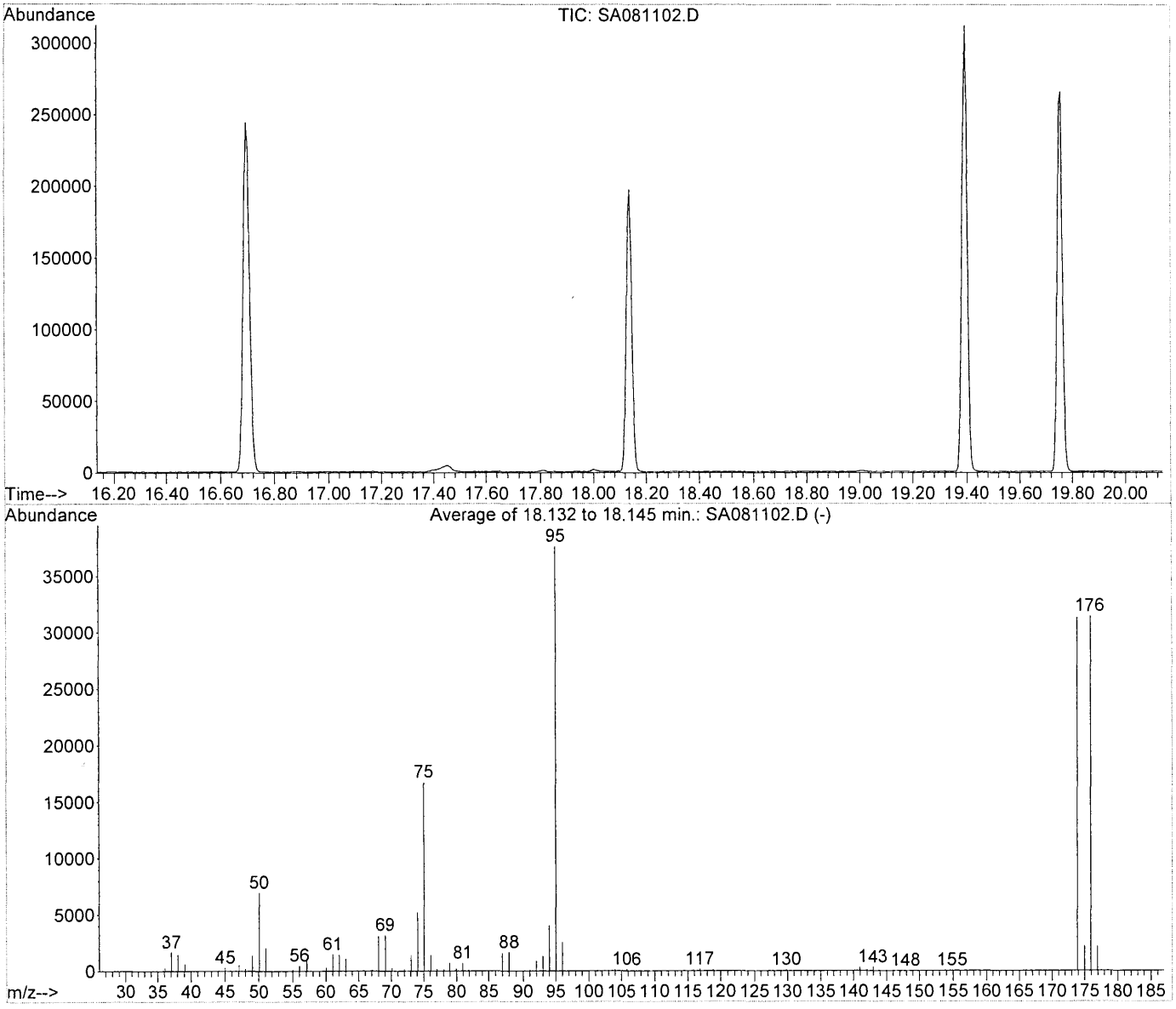
Vial: 1
Operator: VG
Inst : VOAMS5
Multiplr: 1.00



Spectrum Information: Average of 18.132 to 18.145 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	12652	PASS
75	95	30	60	43.7	30093	PASS
95	95	100	100	100.0	68792	PASS
96	95	5	9	6.7	4635	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.7	57552	PASS
175	174	5	9	7.2	4156	PASS
176	174	95	101	100.3	57701	PASS
177	176	5	9	6.6	3791	PASS

Data File : C:\MSDCHEM\1\DATA\AUG1111\SA081102.D Vial: 2
Acq On : 11 Aug 2011 8:22 am Operator: VG
Sample : 25 ng BFB Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010



Spectrum Information: Average of 18.132 to 18.145 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	6992	PASS
75	95	30	60	44.5	16765	PASS
95	95	100	100	100.0	37696	PASS
96	95	5	9	6.8	2554	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.1	31328	PASS
175	174	5	9	7.1	2227	PASS
176	174	95	101	100.4	31466	PASS
177	176	5	9	7.0	2188	PASS

Response Factor Report VOAMS5

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration

Calibration Files
1 =SA081108.D 2 =SA081109.D 5 =SA081110.D
10 =SA081111.D 20 =SA081113.D 50 =SA081115.D

		Compound	1	2	5	10	20	50	Avg	%RSD
1)	I	Fluorobenzene IS	ISTD							
2)		dichlorodifluor	0.262	0.267	0.245	0.264	0.276	0.290	0.271	7.37
3)	P	chloromethane	0.306	0.307	0.278	0.298	0.310	0.327	0.312	6.58
4)	C	vinyl chloride	0.186	0.183	0.163	0.168	0.165	0.146	0.154	15.26
5)		bromomethane	0.118	0.121	0.128	0.142	0.154	0.171	0.150	14.66
6)		chloroethane	0.158	0.152	0.145	0.156	0.160	0.165	0.153	5.79
7)		trichlorofluoro	0.320	0.316	0.297	0.323	0.338	0.356	0.333	6.05
8)		diethyl ether	0.191	0.170	0.194	0.186	0.194	0.204	0.192	4.90
9)		1,1,2-Trichloro	0.241	0.218	0.229	0.229	0.243	0.253	0.237	4.58
10)		acrolein		0.010	0.009	0.007	0.007	0.006	0.007	23.72
11)		acetone		0.083	0.075	0.071	0.071	0.072	0.071	9.15
12)	CM	1,1-dichloroeth	0.221	0.199	0.210	0.213	0.228	0.235	0.220	5.20
13)		tert-Butyl Alco	0.017	0.014	0.015	0.014	0.014	0.015	0.015	7.48
14)		Iodomethane		0.141	0.173	0.203	0.230	0.266	0.235	22.02
15)		methylene chlor	0.278	0.234	0.240	0.233	0.238	0.246	0.249	12.48
16)		carbon disulfid	0.992	0.709	0.688	0.701	0.728	0.753	0.744	12.97
17)		acrylonitrile		0.083	0.094	0.089	0.091	0.095	0.090	4.18
18)		Methyl-t-butyl	0.526	0.469	0.527	0.504	0.523	0.553	0.524	4.45
19)		trans-1,2-dichl	0.246	0.221	0.237	0.238	0.249	0.260	0.244	4.57
20)		hexane	0.355	0.321	0.333	0.335	0.353	0.358	0.351	5.82
21)		Isopropyl ether	0.927	0.828	0.926	0.898	0.936	0.977	0.924	4.63
22)		vinyl acetate	0.304	0.312	0.304	0.317	0.332		0.341	12.14
23)	P	1,1-dichloroeth	0.488	0.437	0.471	0.460	0.483	0.502	0.478	4.01
24)		Ethyl-t-butyl e	0.723	0.652	0.732	0.703	0.740	0.781	0.738	5.60
25)		2,2-dichloropro	0.311	0.281	0.302	0.304	0.323	0.340	0.321	7.64
26)		cis-1,2-dichlor	0.400	0.352	0.383	0.375	0.392	0.408	0.385	4.37
27)		2-butanone (MEK	0.113	0.102	0.112	0.105	0.105	0.109	0.110	7.85
28)		bromochlorometh	0.139	0.123	0.137	0.134	0.139	0.146	0.136	5.43
29)		Tetrahydrofuran	0.073	0.062	0.066	0.060	0.060	0.064	0.064	6.54
30)	C	chloroform	0.442	0.499	0.436	0.422	0.444	0.468	0.450	4.90
31)	S	SS Dibromofluor	0.232	0.233	0.236	0.237	0.237	0.240	0.237	1.28
32)		1,1,1-trichloro	0.344	0.310	0.339	0.344	0.371	0.398	0.364	8.91
33)		carbon tetrachl	0.238	0.221	0.249	0.260	0.295	0.334	0.289	18.39
34)		1,1-dichloropro	0.360	0.327	0.347	0.347	0.373	0.386	0.360	5.02
35)	S	SS 1,2-DCA-d4_M	0.246	0.249	0.249	0.251	0.249	0.250	0.249	0.97
36)		tert-amyl methy	0.561	0.502	0.567	0.543	0.568	0.608	0.576	6.81
37)	M	benzene	1.131	1.010	1.104	1.072	1.128	1.156	1.092	5.23
38)		1,2-dichloroeth	0.341	0.300	0.332	0.316	0.330	0.342	0.326	4.83
39)	M	trichloroethene	0.286	0.252	0.270	0.271	0.285	0.297	0.278	5.02
40)	C	1,2-dichloropro	0.290	0.258	0.287	0.277	0.290	0.302	0.285	4.54
41)		1,4-dioxaneV			0.002	0.002	0.002	0.002	0.002	14.65
42)		dibromomethane	0.154	0.133	0.149	0.143	0.148	0.156	0.148	4.58
43)		bromodichlorome	0.255	0.247	0.278	0.283	0.309	0.342	0.300	13.36
44)		2-Chloroethoxye	0.116	0.117	0.122	0.129	0.133	0.142	0.130	11.81
45)		4-methyl-2-pent	0.074	0.067	0.079	0.076	0.079	0.085	0.078	7.73
46)		cis-1,3-dichlor	0.329	0.299	0.353	0.353	0.379	0.412	0.364	10.98
47)	I	Chlorobenzene-D5 IS	ISTD							
48)	S	SS Toluene-d8_M	1.246	1.252	1.251	1.246	1.239	1.242	1.243	0.44
49)	CM	toluene	1.540	1.380	1.491	1.441	1.508	1.547	1.466	7.09
50)		trans-1,3-dichl	0.345	0.314	0.382	0.379	0.416	0.459	0.398	14.01
51)		1,1,2-trichloro	0.223	0.202	0.225	0.213	0.222	0.231	0.220	4.68
52)		2-hexanone		0.158	0.183	0.175	0.180	0.188	0.173	6.30

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report VOAMS5

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration

Calibration Files
1 =SA081108.D 2 =SA081109.D 5 =SA081110.D
10 =SA081111.D 20 =SA081113.D 50 =SA081115.D

		Compound	1	2	5	10	20	50	Avg	%RSD
53)		tetrachloroethe	0.393	0.349	0.368	0.367	0.385	0.399	0.374	5.32
54)		1,3-dichloropro	0.467	0.413	0.456	0.436	0.448	0.474	0.446	4.47
55)		dibromochlorome	0.194	0.178	0.221	0.233	0.263	0.310	0.255	23.07
56)		1,2-dibromoetha	0.258	0.242	0.271	0.260	0.274	0.289	0.269	5.40
57)	PM	chlorobenzene	1.061	0.933	1.003	0.970	1.008	1.038	0.981	7.09
58)		1,1,1,2-tetrach	0.249	0.227	0.277	0.276	0.304	0.328	0.277	12.73
59)	C	ethylbenzene	1.708	1.538	1.677	1.634	1.722	1.746	1.600	10.33
60)		mp-xylene	0.688	0.626	0.679	0.664	0.688	0.693	0.635	11.97
61)		o-xylene	0.663	0.593	0.647	0.636	0.671	0.684	0.631	6.86
62)		styrene	1.071	0.992	1.105	1.067	1.122	1.158	1.058	6.99
63)	P	bromoform	0.088	0.080	0.102	0.111	0.133	0.168	0.132	34.70
64)		iso-propylbenze	1.572	1.425	1.545	1.531	1.614	1.655	1.513	7.50
65)	S	SS 4-BFB_MS	0.466	0.468	0.468	0.471	0.477	0.477	0.472	1.02
66)	I	1,4-Dichlorobenzene-D	----------	----------	ISTD	----------	----------	----------		
67)		bromobenzene	0.770	0.682	0.764	0.728	0.757	0.780	0.745	5.07
68)	P	1,1,2,2-tetrach	0.566	0.506	0.574	0.537	0.550	0.574	0.555	3.72
69)		1,2,3-trichloro	0.165	0.152	0.168	0.160	0.166	0.170	0.165	3.77
70)		trans-1,4-dichl		0.063	0.077	0.082	0.090	0.107	0.096	21.65
71)		n-propylbenzene	3.638	3.214	3.571	3.507	3.624	3.667	3.405	9.31
72)		2-chlorotoluene	2.263	2.037	2.215	2.137	2.190	2.205	2.113	7.90
73)		4-chlorotoluene	2.183	1.953	2.148	2.063	2.125	2.189	2.065	7.20
74)		1,3,5-trimethyl	2.513	2.288	2.524	2.474	2.584	2.613	2.425	7.75
75)		tert-butylbenze	2.206	1.988	2.157	2.130	2.217	2.240	2.106	6.97
76)		1,2,4-trimethyl	2.611	2.365	2.608	2.532	2.623	2.664	2.479	8.41
77)		sec-butylbenzen	3.162	2.888	3.140	3.117	3.242	3.292	3.024	9.29
78)		1,3-dichloroben	1.486	1.274	1.452	1.381	1.430	1.460	1.384	7.08
79)		p-isopropyltolu	2.610	2.398	2.668	2.627	2.738	2.772	2.535	8.92
80)		1,4-dichloroben	1.462	1.287	1.440	1.373	1.420	1.450	1.376	7.25
81)		1,2-dichloroben	1.357	1.205	1.317	1.269	1.299	1.341	1.270	6.45
82)		n-butylbenzene	2.219	2.049	2.239	2.253	2.353	2.404	2.180	8.64
83)	S	SS 1,2-DCB-D4_M	0.875	0.884	0.886	0.879	0.879	0.878	0.882	0.80
84)		1,2-dibromo-3-c	0.079	0.068	0.088	0.088	0.096	0.112	0.096	22.58
85)		1,3,5-trichloro	0.886	0.782	0.876	0.851	0.889	0.929	0.868	5.25
86)		1,2,4-trichloro	0.710	0.644	0.722	0.711	0.744	0.785	0.728	5.77
87)		hexachlorobutad	0.342	0.312	0.336	0.340	0.362	0.378	0.353	6.25
88)		naphthaleneV	1.610	1.453	1.715	1.688	1.745	1.868	1.693	7.70
89)		1,2,3-trichloro	0.645	0.565	0.633	0.616	0.644	0.681	0.636	6.14
90)	S	SS 2,5-DBT_MS			0.192	0.195	0.216	0.242	0.232	13.14

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report VOAMS5

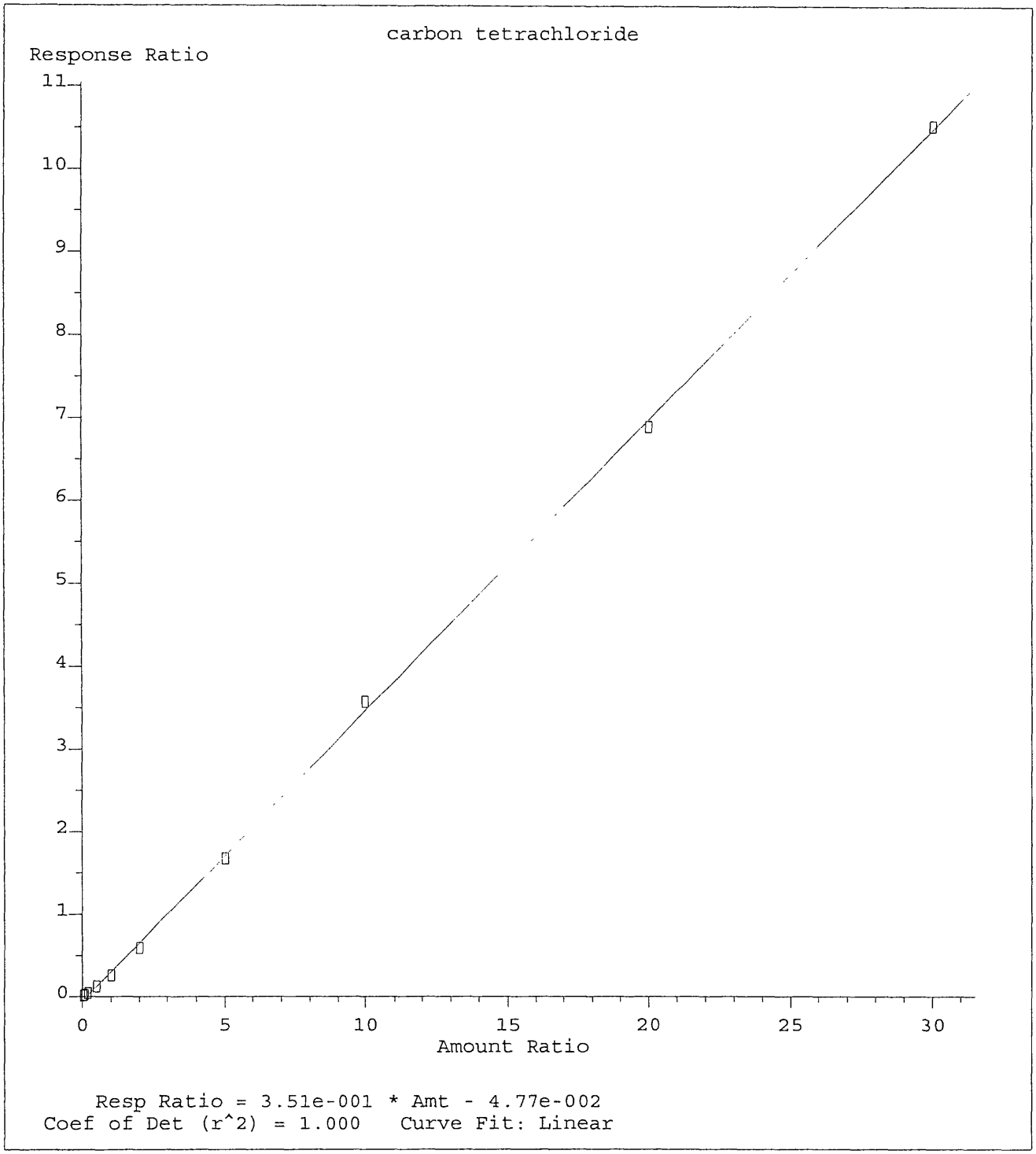
Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
Total Cpnds : 90

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene IS	96	12.03	1.000	A	2	A	B
2		dichlorodifluoromethane	85	2.99	0.249	A	2	A	B
3	P	chloromethane	50	3.33	0.277	A	1	A	B
4	C	vinyl chloride	62	3.48	0.289	A	1	A	B
5		bromomethane	94	4.14	0.344	A	2	A	B
6		chloroethane	64	4.25	0.353	A	2	A	B
7		trichlorofluoromethane	101	4.65	0.387	A	2	A	B
8		diethyl ether	59	5.15	0.428	A	2	A	B
9		1,1,2-Trichlorotrifluoroethane	101	5.40	0.449	A	2	A	B
10		acrolein	56	5.40	0.449	L	1	A	B
11		acetone	43	5.51	0.458	A	1	A	B
12	CM	1,1-dichloroethene	96	5.74	0.477	A	3	A	B
13		tert-Butyl Alcohol (TBA)	59	5.89	0.490	A	1	A	B
14		Iodomethane	142	6.33	0.526	L	3	A	B
15		methylene chloride	84	6.67	0.554	A	2	A	B
16		carbon disulfide	76	6.70	0.557	A	1	A	B
17		acrylonitrile	53	6.93	0.576	A	2	A	B
18		Methyl-t-butyl ether (MTBE)	73	6.96	0.578	A	3	A	B
19		trans-1,2-dichloroethene	96	7.25	0.603	A	3	A	B
20		hexane	57	7.38	0.614	A	3	A	B
21		Isopropyl ether (DIPE)	45	7.91	0.657	A	3	A	B
22		vinyl acetate	43	8.14	0.677	A	1	A	B
23	P	1,1-dichloroethane	63	8.13	0.676	A	2	A	B
24		Ethyl-t-butyl ether (ETBE)	59	8.77	0.729	A	3	A	B
25		2,2-dichloropropane	77	9.33	0.775	A	3	A	B
26		cis-1,2-dichloroethene	61	9.43	0.784	A	3	A	B
27		2-butanone (MEK)	43	9.04	0.752	A	2	A	B
28		bromochloromethane	128	10.15	0.844	A	3	A	B
29		Tetrahydrofuran (THF)	42	10.22	0.850	A	2	A	B
30	C	chloroform	83	9.78	0.813	A	2	A	B
31	S	SS Dibromofluoromethane_MS	111	10.26	0.853	A	2	A	B
32		1,1,1-trichloroethane	97	10.66	0.886	A	3	A	B
33		carbon tetrachloride	117	11.23	0.934	L	3	A	B
34		1,1-dichloropropene	75	11.03	0.917	A	3	A	B
35	S	SS 1,2-DCA-d4_MS	65	11.39	0.946	A	2	A	B
36		tert-amyl methyl ether (TAME)	73	11.29	0.938	A	3	A	B
37	M	benzene	78	11.60	0.965	A	3	A	B
38		1,2-dichloroethane	62	11.59	0.963	A	2	A	B
39	M	trichloroethene	95	12.77	1.061	A	3	A	B
40	C	1,2-dichloropropane	63	13.08	1.087	A	3	A	B
41		1,4-dioxaneV	88	13.51	1.123	A	2	A	B
42		dibromomethane	93	13.55	1.126	A	3	A	B
43		bromodichloromethane	83	13.47	1.119	A	3	A	B
44		2-Chloroethoxyethene	63	13.97	1.161	A	3	A	B
45		4-methyl-2-pentanone (MIBK)	58	14.01	1.164	A	3	A	B
46		cis-1,3-dichloropropene	75	14.32	1.190	A	3	A	B
47	I	Chlorobenzene-D5 IS	117	16.70	1.000	A	2	A	B
48	S	SS Toluene-d8_MS	98	14.67	0.879	A	2	A	B
49	CM	toluene	91	14.79	0.886	A	3	A	B
50		trans-1,3-dichloropropene	75	15.05	0.901	A	3	A	B
51		1,1,2-trichloroethane	83	15.26	0.914	A	3	A	B
52		2-hexanone	43	15.26	0.914	A	2	A	B
53		tetrachloroethene	166	15.69	0.940	A	3	A	B
54		1,3-dichloropropane	76	15.60	0.934	A	2	A	B
55		dibromochloromethane	129	15.96	0.956	L	3	A	B
56		1,2-dibromoethane	107	16.22	0.972	A	3	A	B
57	PM	chlorobenzene	112	16.75	1.003	A	2	A	B
58		1,1,1,2-tetrachloroethane	131	16.79	1.006	A	3	A	B
59	C	ethylbenzene	91	16.80	1.006	A	3	A	B
60		mp-xylene	106	16.89	1.012	A	3	A	B
61		o-xylene	106	17.42	1.043	A	3	A	B
62		styrene	104	17.46	1.046	A	3	A	B
63	P	bromoform	173	17.89	1.071	L	3	A	B
64		iso-propylbenzene	105	17.83	1.068	A	3	A	B

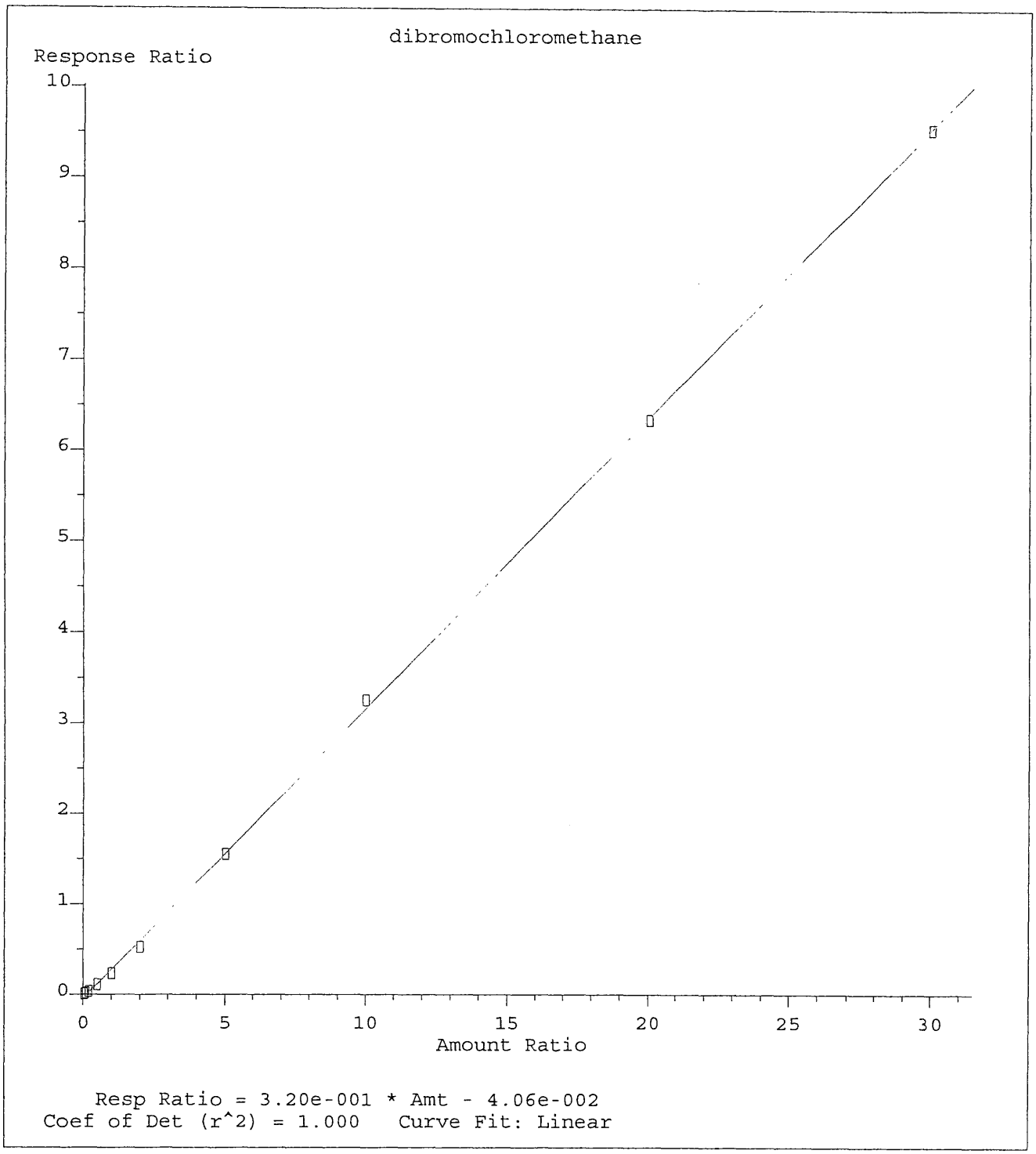
65	S	SS 4-BFB_MS	95	18.14	1.086	A	3	A	B
66	I	1,4-Dichlorobenzene-D4 IS	152	19.39	1.000	A	3	A	B
67		bromobenzene	156	18.38	0.948	A	3	A	B
68	P	1,1,2,2-tetrachloroethane	83	18.04	0.930	A	3	A	B
69		1,2,3-trichloropropane	110	18.20	0.939	A	3	A	B
70		trans-1,4-dichloro-2-butene	75	18.27	0.942	L	3	A	B
71		n-propylbenzene	91	18.29	0.943	A	1	A	B
72		2-chlorotoluene	91	18.52	0.955	A	2	A	B
73		4-chlorotoluene	91	18.56	0.957	A	2	A	B
74		1,3,5-trimethylbenzene	105	18.46	0.952	A	3	A	B
75		tert-butylbenzene	119	18.85	0.972	A	3	A	B
76		1,2,4-trimethylbenzene	105	18.89	0.974	A	3	A	B
77		sec-butylbenzene	105	19.06	0.983	A	3	A	B
78		1,3-dichlorobenzeneV	146	19.32	0.997	A	3	A	B
79		p-isopropyltoluene	119	19.19	0.990	A	3	A	B
80		1,4-dichlorobenzeneV	146	19.42	1.002	A	3	A	B
81		1,2-dichlorobenzeneV	146	19.78	1.020	A	3	A	B
82		n-butylbenzene	91	19.58	1.010	A	3	A	B
83	S	SS 1,2-DCB-D4_MS	152	19.76	1.019	A	3	A	B
84		1,2-dibromo-3-chloropropane	157	20.52	1.058	L	3	A	B
85		1,3,5-trichlorobenzV	180	20.75	1.070	A	3	A	B
86		1,2,4-trichlorobenzV	180	21.43	1.105	A	3	A	B
87		hexachlorobutadieneV	225	21.57	1.112	A	3	A	B
88		naphthaleneV	128	21.77	1.123	A	3	A	B
89		1,2,3-trichlorobenzV	180	22.06	1.137	A	3	A	B
90	S	SS 2,5-DBT_MS	250	23.36	1.205	A	3	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

5VID0811.M Tue Aug 30 10:13:26 2011



Method Name: W:\1\METHODS\2011\5VID0811.M
Calibration Table Last Updated: Mon Aug 15 10:28:25 2011



Method Name: W:\1\METHODS\2011\5VID0811.M
Calibration Table Last Updated: Mon Aug 15 10:28:25 2011

Response Factor Report VOAMS5

Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration

Calibration Files
1 =SA081108.D 2 =SA081109.D 5 =SA081110.D
10 =SA081111.D 20 =SA081113.D 50 =SA081115.D

	Compound	1	2	5	10	20	50	Avg	%RSD
1) I	Fluorobenzene IS	ISTD							
2)	dichlorodifluor	0.262	0.267	0.245	0.264	0.276		0.266	7.75
3)	chloromethane	0.306	0.307	0.278	0.298	0.310		0.308	8.18
4)	vinyl chloride	0.186	0.183	0.163	0.168	0.165		0.172	10.78
5)	bromomethane	0.118	0.121	0.128	0.142	0.154		0.137	16.81
6)	chloroethane	0.158	0.152	0.145	0.156	0.160		0.156	7.83
7)	trichlorofluoro	0.320	0.316	0.297	0.323	0.338		0.324	7.88
8)	diethyl ether	0.191	0.170	0.194	0.186	0.194	0.204	0.192	5.52
9)	1,1,2-Trichloro	0.241	0.218	0.229	0.229	0.243	0.253	0.237	5.19
10)	acetone		0.083	0.075	0.071	0.071	0.072	0.073#	7.04
11)	1,1-dichloroeth	0.221	0.199	0.210	0.213	0.228	0.235	0.220	5.87
12)	tert-Butyl Alco	0.017	0.014	0.015	0.014	0.014	0.015	0.015#	8.42
13)	methylene chlor	0.278	0.234	0.240	0.233	0.238	0.246	0.255	12.66
14)	carbon disulfid	0.992	0.709	0.688	0.701	0.728	0.753	0.760	13.85
15)	acrylonitrile	0.089	0.083	0.094	0.089	0.091	0.095	0.090#	3.79
16)	Methyl-t-butyl	0.526	0.469	0.527	0.504	0.523	0.552	0.530	6.32
17)	trans-1,2-dichl	0.246	0.221	0.237	0.238	0.249	0.260	0.244	5.18
18)	hexane	0.355	0.321	0.333	0.335	0.353	0.358	0.348	5.58
19)	Isopropyl ether	0.927	0.828	0.926	0.898	0.936	0.977	0.927	5.15
20)	vinyl acetate		0.312	0.304	0.317	0.332		0.326	7.79
21)	1,1-dichloroeth	0.488	0.437	0.471	0.460	0.483	0.502	0.479	4.53
22)	Ethyl-t-butyl e	0.723	0.652	0.732	0.703	0.740	0.781	0.730	5.87
23)	2,2-dichloropro	0.311	0.281	0.302	0.304	0.323	0.340	0.314	6.98
24)	cis-1,2-dichlor	0.400	0.352	0.383	0.375	0.392	0.408	0.387	4.77
25)	2-butanone (MEK		0.102	0.112	0.105	0.105	0.109	0.106	3.38
26)	bromochlorometh	0.139	0.123	0.137	0.134	0.139	0.146	0.136	6.13
27)	Tetrahydrofuran	0.073	0.062	0.066	0.060	0.060	0.064	0.064#	7.25
28)	chloroform	0.442	0.499	0.436	0.422	0.444	0.468	0.452	5.44
29)	SS Dibromofluor	0.232	0.233	0.236	0.237	0.237	0.240	0.235	1.06
30)	1,1,1-trichloro	0.344	0.310	0.339	0.344	0.371	0.398	0.358	9.22
31)	carbon tetrachl	0.238	0.221	0.249	0.260	0.295	0.334	0.274	17.87
32)	1,1-dichloropro	0.360	0.327	0.347	0.347	0.373	0.386	0.360	5.70
33)	SS 1,2-DCA-d4_M	0.246	0.249	0.249	0.251	0.249	0.250	0.248	0.84
34)	tert-amyl methy	0.561	0.502	0.567	0.543	0.568	0.608	0.566	6.52
35)	benzene	1.131	1.010	1.104	1.072	1.128	1.156	1.109	4.28
36)	1,2-dichloroeth	0.341	0.300	0.332	0.316	0.330	0.342	0.330	4.66
37)	trichloroethene	0.286	0.252	0.270	0.271	0.285	0.297	0.280	5.50
38)	1,2-dichloropro	0.290	0.258	0.287	0.277	0.290	0.302	0.287	4.86
39)	dibromomethane	0.154	0.133	0.149	0.143	0.148	0.156	0.148	5.17
40)	bromodichlorome	0.255	0.247	0.278	0.283	0.309	0.342	0.291	12.65
41)	4-methyl-2-pent	0.074	0.067	0.079	0.076	0.079	0.085	0.078#	7.61
42)	cis-1,3-dichlor	0.329	0.299	0.353	0.353	0.379	0.412	0.359	11.09
43)	Chlorobenzene-D	0.788	0.786	0.792	0.798	0.798	0.797	0.792	0.78
44)	SS Toluene-d8_M	0.982	0.984	0.990	0.994	0.989	0.989	0.988	0.42
45)	toluene	1.213	1.085	1.180	1.149	1.203	1.233	1.192	4.65
46)	trans-1,3-dichl	0.272	0.247	0.302	0.302	0.332	0.365	0.306	14.23
47)	1,1,2-trichloro	0.176	0.159	0.178	0.170	0.177	0.184	0.176	4.68
48)	2-hexanone	0.126	0.124	0.145	0.139	0.144	0.150	0.138	7.13
49)	tetrachloroethe	0.310	0.274	0.291	0.292	0.307	0.318	0.301	4.84
50)	1,3-dichloropro	0.368	0.324	0.361	0.348	0.357	0.378	0.357	4.53
51)	dibromochlorome	0.153	0.140	0.175	0.186	0.210	0.247	0.180	19.59
52)	1,2-dibromoetha	0.203	0.190	0.215	0.207	0.219	0.230	0.212	6.44
53)	chlorobenzene	0.836	0.734	0.794	0.773	0.804	0.827	0.799	4.15

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report VOAMS5

Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration

Calibration Files
1 =SA081108.D 2 =SA081109.D 5 =SA081110.D
10 =SA081111.D 20 =SA081113.D 50 =SA081115.D

		Compound	1	2	5	10	20	50	Avg	%RSD
54)		1,1,1,2-tetrach	0.196	0.178	0.219	0.220	0.243	0.261	0.219	14.91
55)		ethylbenzene	1.346	1.209	1.328	1.304	1.374	1.391	1.325	4.16
56)		mp-xylene	0.542	0.492	0.537	0.530	0.549	0.552	0.506	14.84
57)		o-xylene	0.523	0.466	0.512	0.507	0.535	0.545	0.513	5.13
58)		styrene	0.843	0.780	0.875	0.851	0.895	0.923	0.859	5.41
59)		bromoform	0.070	0.063	0.081	0.088			0.072#	13.98
60)		iso-propylbenze	1.238	1.120	1.223	1.221	1.288	1.319	1.233	5.03
61)	S	SS 4-BFB_MS	0.367	0.368	0.370	0.375	0.380	0.380	0.373	1.64
62)		1,4-Dichloroben	0.425	0.427	0.430	0.435	0.441	0.447	0.432	2.00
63)		bromobenzene	0.327	0.291	0.329	0.317	0.334	0.349	0.327	5.37
64)		1,1,2,2-tetrach	0.240	0.216	0.247	0.234	0.243	0.256	0.241	5.06
65)		1,2,3-trichloro	0.070	0.065	0.072	0.070	0.073	0.076	0.072#	4.85
66)		n-propylbenzene	1.545	1.372	1.535	1.525	1.598	1.639	1.534	5.29
67)		2-chlorotoluene	0.961	0.869	0.952	0.930	0.966	0.986	0.947	3.69
68)		4-chlorotoluene	0.927	0.834	0.923	0.898	0.937	0.978	0.920	4.67
69)		1,3,5-trimethyl	1.067	0.977	1.085	1.076	1.140	1.168	1.083	6.08
70)		tert-butylbenze	0.937	0.848	0.927	0.927	0.978	1.001	0.938	5.52
71)		1,2,4-trimethyl	1.109	1.009	1.121	1.102	1.157	1.191	1.112	5.20
72)		sec-butylbenzen	1.342	1.233	1.350	1.356	1.430	1.471	1.363	5.45
73)		1,3-dichloroben	0.631	0.544	0.624	0.601	0.630	0.652	0.616	5.39
74)		p-isopropyltolu	1.108	1.023	1.147	1.143	1.207	1.239	1.138	6.68
75)		1,4-dichloroben	0.621	0.549	0.619	0.597	0.626	0.647	0.613	4.80
76)		1,2-dichloroben	0.576	0.514	0.566	0.552	0.573	0.599	0.565	4.47
77)		n-butylbenzene	0.942	0.875	0.963	0.980	1.038	1.074	0.977	7.16
78)	S	SS 1,2-DCB-D4_M	0.371	0.377	0.381	0.382	0.387	0.392	0.381	1.88
79)		1,2-dibromo-3-c	0.034	0.029	0.038	0.038	0.042	0.050	0.039#	22.92
80)		1,3,5-trichloro	0.376	0.334	0.377	0.370	0.392	0.415	0.380	6.91
81)		1,2,4-trichloro	0.302	0.275	0.310	0.309	0.328	0.351	0.316	8.33
82)		hexachlorobutad	0.145	0.133	0.144	0.148	0.160	0.169	0.152	8.70
83)		naphthaleneV	0.684	0.620	0.737	0.734	0.770	0.835	0.729	10.56
84)		1,2,3-trichloro	0.274	0.241	0.272	0.268	0.284	0.304	0.274	8.64
85)		SS 2,5-DBT_MS	0.073	0.066	0.083	0.085	0.095	0.108	0.085#	17.83

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report VOAMS5

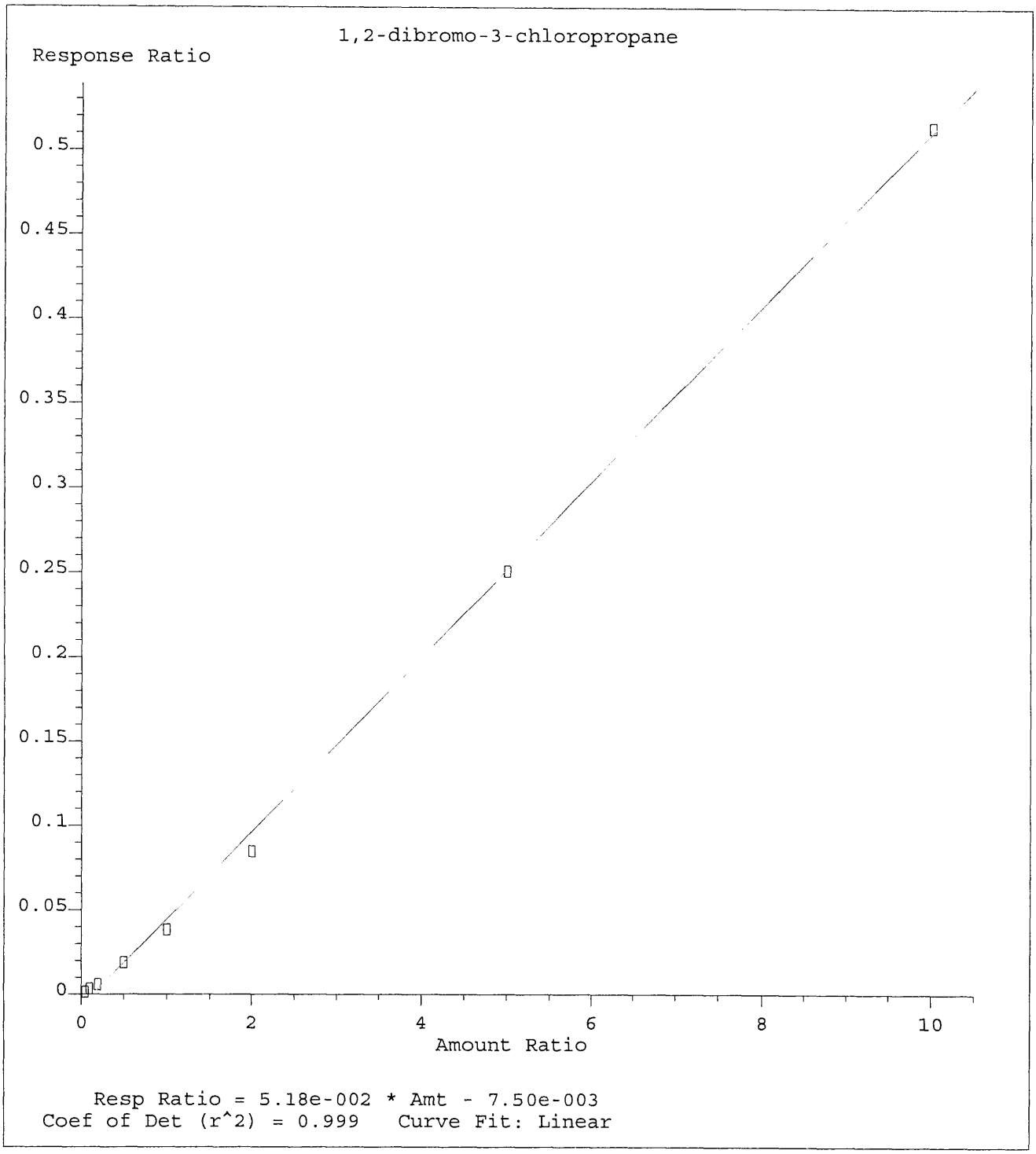
Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
Total Cpnds : 85

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene IS	96	12.04	1.000	A	2	A	B
2		dichlorodifluoromethane	85	3.00	0.249	A	2	A	B
3		chloromethane	50	3.33	0.277	A	1	A	B
4		vinyl chloride	62	3.48	0.289	A	1	A	B
5		bromomethane	94	4.14	0.344	A	2	A	B
6		chloroethane	64	4.25	0.354	A	2	A	B
7		trichlorofluoromethane	101	4.66	0.387	A	2	A	B
8		diethyl ether	59	5.15	0.428	A	2	A	B
9		1,1,2-Trichlorotrifluoroethane	101	5.41	0.449	A	2	A	B
10		acetone	43	5.51	0.458	A	1	A	B
11		1,1-dichloroethene	96	5.74	0.477	A	3	A	B
12		tert-Butyl Alcohol (TBA)	59	5.90	0.490	A	1	A	B
13		methylene chloride	84	6.67	0.554	A	2	A	B
14		carbon disulfide	76	6.70	0.556	A	1	A	B
15		acrylonitrile	53	6.93	0.575	A	2	A	B
16		Methyl-t-butyl ether (MTBE)	73	6.96	0.578	A	3	A	B
17		trans-1,2-dichloroethene	96	7.26	0.603	A	3	A	B
18		hexane	57	7.38	0.613	A	3	A	B
19		Isopropyl ether (DIPE)	45	7.90	0.656	A	3	A	B
20		vinyl acetate	43	8.15	0.677	A	1	A	B
21		1,1-dichloroethane	63	8.14	0.676	A	2	A	B
22		Ethyl-t-butyl ether (ETBE)	59	8.77	0.729	A	3	A	B
23		2,2-dichloropropane	77	9.34	0.776	A	3	A	B
24		cis-1,2-dichloroethene	61	9.44	0.784	A	3	A	B
25		2-butanone (MEK)	43	9.04	0.751	A	2	A	B
26		bromochloromethane	128	10.15	0.843	A	3	A	B
27		Tetrahydrofuran (THF)	42	10.23	0.850	A	2	A	B
28		chloroform	83	9.78	0.812	A	2	A	B
29		SS Dibromofluoromethane_MS	111	10.27	0.853	A	2	A	B
30		1,1,1-trichloroethane	97	10.67	0.886	A	3	A	B
31		carbon tetrachloride	117	11.23	0.933	A	3	A	B
32		1,1-dichloropropene	75	11.03	0.916	A	3	A	B
33		SS 1,2-DCA-d4_MS	65	11.39	0.946	A	2	A	B
34		tert-amyl methyl ether (TAME)	73	11.29	0.938	A	3	A	B
35		benzene	78	11.60	0.964	A	3	A	B
36		1,2-dichloroethane	62	11.59	0.963	A	2	A	B
37		trichloroethene	95	12.77	1.061	A	3	A	B
38		1,2-dichloropropane	63	13.08	1.086	A	3	A	B
39		dibromomethane	93	13.55	1.126	A	3	A	B
40		bromodichloromethane	83	13.47	1.119	A	3	A	B
41		4-methyl-2-pentanone (MIBK)	58	14.01	1.164	A	3	A	B
42		cis-1,3-dichloropropene	75	14.32	1.190	A	3	A	B
43		Chlorobenzene-D5 IS	117	16.70	1.387	A	2	A	B
44		SS Toluene-d8_MS	98	14.67	1.219	A	2	A	B
45		toluene	91	14.79	1.228	A	3	A	B
46		trans-1,3-dichloropropene	75	15.04	1.250	A	3	A	B
47		1,1,2-trichloroethane	83	15.26	1.268	A	3	A	B
48		2-hexanone	43	15.26	1.268	A	2	A	B
49		tetrachloroethene	166	15.69	1.303	A	3	A	B
50		1,3-dichloropropane	76	15.60	1.296	A	2	A	B
51		dibromochloromethane	129	15.96	1.326	A	3	A	B
52		1,2-dibromoethane	107	16.22	1.348	A	3	A	B
53		chlorobenzene	112	16.75	1.391	A	2	A	B
54		1,1,1,2-tetrachloroethane	131	16.79	1.395	A	3	A	B
55		ethylbenzene	91	16.79	1.395	A	3	A	B
56		mp-xylene	106	16.89	1.403	A	3	A	B
57		o-xylene	106	17.42	1.447	A	3	A	B
58		styrene	104	17.46	1.451	A	3	A	B
59		bromoform	173	17.89	1.486	A	3	A	B
60		iso-propylbenzene	105	17.83	1.481	A	3	A	B
61	S	SS 4-BFB_MS	95	18.14	1.507	A	3	A	B
62		1,4-Dichlorobenzene-D4 IS	152	19.39	1.611	A	3	A	B
63		bromobenzene	156	18.38	1.527	A	3	A	B
64		1,1,2,2-tetrachloroethane	83	18.04	1.498	A	3	A	B
65		1,2,3-trichloropropane	110	18.21	1.512	A	3	A	B

66		n-propylbenzene	91	18.29	1.520	A	1	A	B
67		2-chlorotoluene	91	18.52	1.538	A	2	A	B
68		4-chlorotoluene	91	18.56	1.542	A	2	A	B
69		1,3,5-trimethylbenzene	105	18.46	1.534	A	3	A	B
70		tert-butylbenzene	119	18.85	1.566	A	3	A	B
71		1,2,4-trimethylbenzene	105	18.89	1.570	A	3	A	B
72		sec-butylbenzene	105	19.06	1.584	A	3	A	B
73		1,3-dichlorobenzeneV	146	19.32	1.605	A	3	A	B
74		p-isopropyltoluene	119	19.19	1.594	A	3	A	B
75		1,4-dichlorobenzeneV	146	19.42	1.614	A	3	A	B
76		1,2-dichlorobenzeneV	146	19.78	1.643	A	3	A	B
77		n-butylbenzene	91	19.58	1.627	A	3	A	B
78	S	SS 1,2-DCB-D4_MS	152	19.76	1.641	A	3	A	B
79		1,2-dibromo-3-chloropropane	157	20.52	1.705	L	3	A	B
80		1,3,5-trichlorobenzV	180	20.75	1.724	A	3	A	B
81		1,2,4-trichlorobenzV	180	21.44	1.781	A	3	A	B
82		hexachlorobutadieneV	225	21.56	1.791	A	3	A	B
83		naphthaleneV	128	21.77	1.809	A	3	A	B
84		1,2,3-trichlorobenzV	180	22.06	1.832	A	3	A	B
85		SS 2,5-DBT_MS	250	23.36	1.941	A	3	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

5LID0811.M Fri Sep 02 09:08:39 2011



Method Name: C:\MSDCHEM\1\METHODS\2011\5LID0811.M
Calibration Table Last Updated: Mon Aug 15 13:32:18 2011

Volatile Organic Analysis
8260B SIM Initial Calibration
102479

VOAMS2 Analysis Run Log

IS/SS ID= V- 3819
Standard ID= V- 3820
LCS/LCSD and/or MS/MSD Standard ID= V- 3728

Analyst: VG

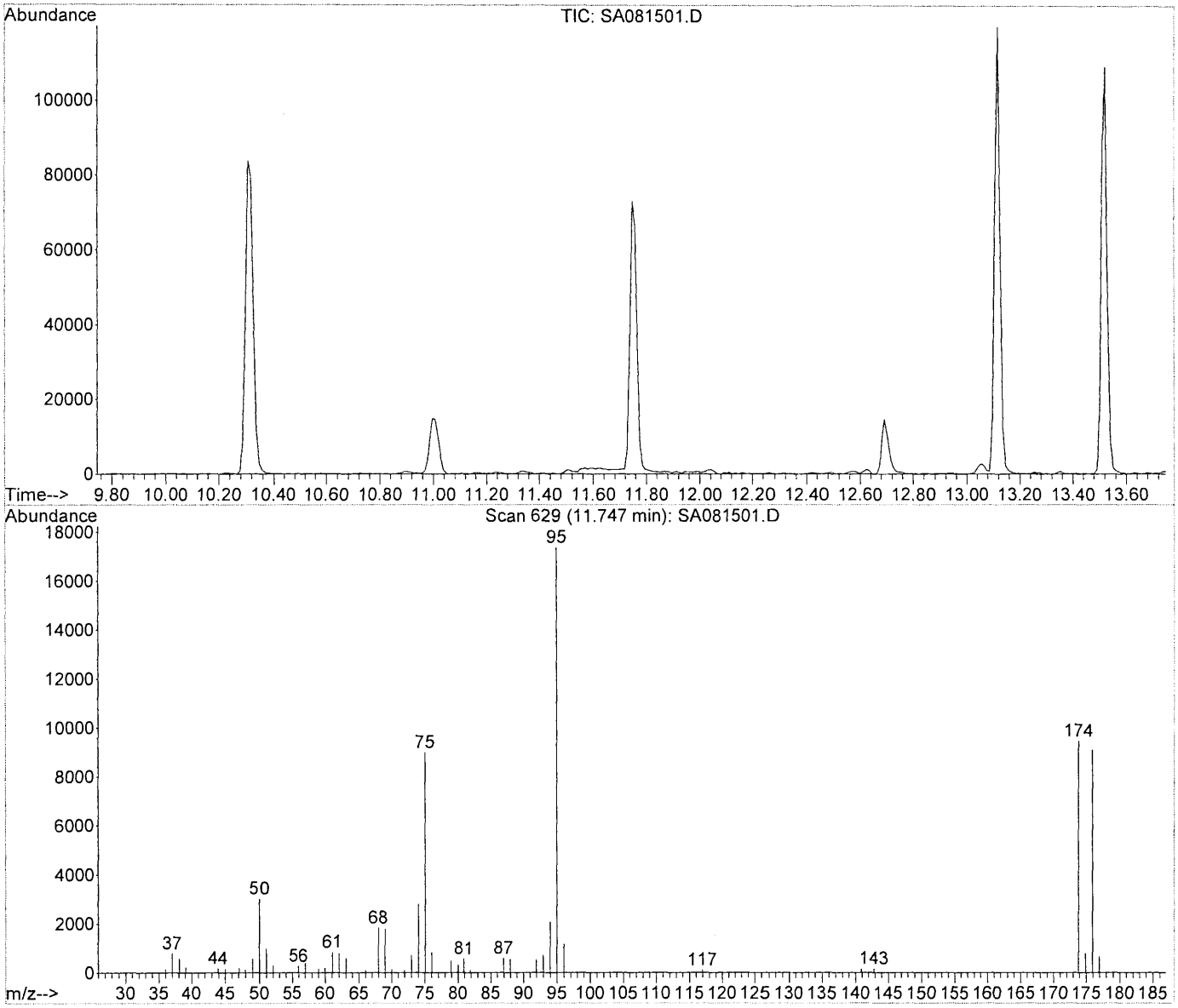
Date: 8/15/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA081501	BFB		✓		X1	VOC MS1			
2	2	STD0.25		✓			VOC SIM			
3	3	0.5		✓			VOC			
4	4	1		✓			VOC		Run lost	
5	5	2		✓			VOC			
6	6	5		✓			VOC		NEW KAL	
7	7	10		✓			VOC			
8	8	20		✓			VOC		2SIM0815	
9	9	50		✓			VOC			
10	10	Blank		✓			VOC			
11	11	LCS		✓			VOC			
12	12	BFB		✓			VOC MS1			
13	13	STD5		✓			VOC SIM			
14	14	LCS5		✓			VOC			
15	15	LCSD5		✓			VOC			
16	16	Blank		✓			VOC			
17	17	102192-01		✓			VOC			
18	18	102136-01		✓			VOC			
19	19	02		✓			VOC			
20	20	03		✓			VOC			
21	21	04		✓			VOC			
22	22	05		✓			VOC			
23	23	06		✓			VOC			
24	24	08		✓			VOC			
25	25	09		✓			VOC			
26	26	10		✓			VOC			
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Samples removed from autosampler, order verified by CY 8/16/11

BFB

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081501.D Vial: 1
Acq On : 15 Aug 2011 10:51 am Operator: VG
Sample : BFB Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09



Spectrum Information: Scan 629

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	3036	PASS
75	95	30	60	51.8	8998	PASS
95	95	100	100	100.0	17368	PASS
96	95	5	9	6.8	1184	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	54.4	9444	PASS
175	174	5	9	8.6	808	PASS
176	174	95	101	96.1	9074	PASS
177	176	5	9	7.4	668	PASS

Response Factor Report VOAMS2

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration

Calibration Files
1 =SA052504.D 20 =SA081508.D 10 =SA081507.D
50 =SA081509.D .25 =SA081502.D 5 =SA081506.D

		Compound	1	20	10	50	.25	5	Avg	%RSD
1)	I	Fluorobenzene IS	----------ISTD----------							
2)		1,4-dioxaneV	0.043	0.031	0.044	0.033	0.037	0.038#		13.39
3)	S	SS Toluene-d8_M	0.924	0.912	0.925	0.935	0.920	0.922		0.87
4)	S	SS 4-BFB_MS	0.384	0.382	0.386	0.398	0.382	0.387		1.55

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report VOAMS2

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
Total Cpnds : 4

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene IS	96	6.88	1.000	A	1	A	B
2		1,4-dioxaneV	88	7.72	1.122	A	2	A	B
3	S	SS Toluene-d8_MS	98	8.58	1.247	A	1	A	B
4	S	SS 4-BFB_MS	95	11.76	1.709	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

2SIM0815.M Tue Aug 30 11:09:38 2011

Volatile Organic Analysis
524.2 Support Data
102479

IS/SS ID= V-3815
Standard ID= V-3816A
Gas Standard ID= V-3817
LCS/LCSD and/or MS/MSD Standard ID= V-3821 (G)
V-3806 (L)

Analyst: WP

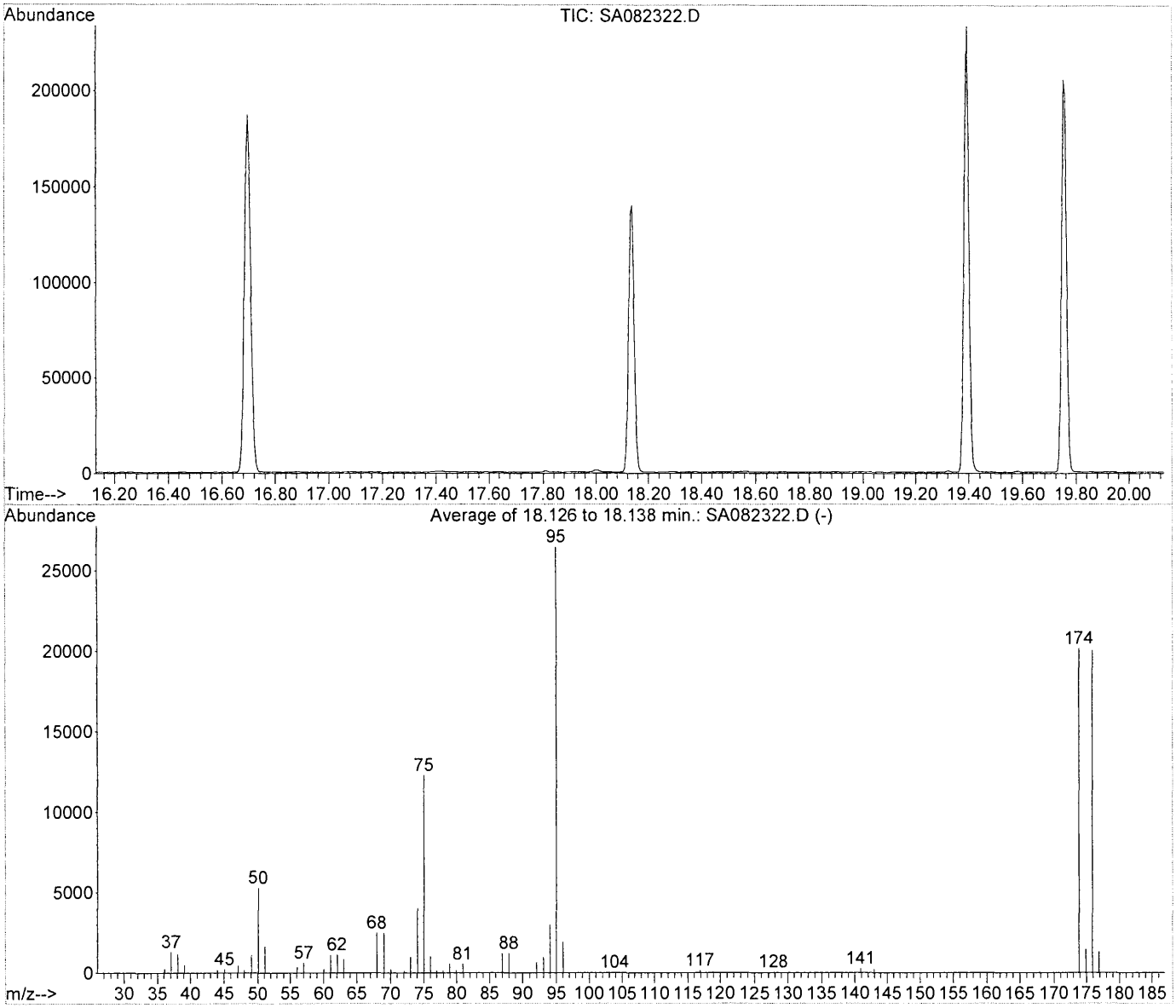
Date: 8/23/2011

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA082301	BFB					VOCMS				✓
2	02	STD 20					VOCMS	5V1D0811			✓
3	03	STD 2					VOCMS				
4	04	MB					VOCMS				
5	05	~~102455.05@STD2~~					VOCMS				
6	06	102479.02		✓		X1	VOCMS				
7	07	.03		✓			VOCMS				
8	08	.04		✓			VOCMS				
9	09	.05		✓			VOCMS				
10	10	102455.05		✓			VOCMS				
11	11	102479.06		✓			VOCMS				
12	12	.08		✓			VOCMS				
13	13	.09		✓			VOCMS				
14	14	102455.05 - MS		✓			VOCMS				
15	15	102455.05 - MSD		✓		↓	VOCMS				
16	16	Blank					VOCMS				
17	17	102479.04 MS		✓		X1	VOCMS				
18	18	102479.04 MSD		✓		X1	VOCMS				
19	19	Blank					VOCMS				
20	20	LCS 20					VOCMS				
~~21~~	~~21~~	~~LCSD 20~~					~~VOCMS~~	↓	WP did not run 8/24/11		
22	21 22	Blank					VOCMS				
23	22 23	25 ng BFB					VOCMS				
24	23 24	STD 10					VOCMS	5L1D0811			
25	24 25	STD 0.5					VOCMS				
26	25 26	MB					VOCMS				
27	26 27	102479.12		✓		X1	VOCMS				
28	27 28	.13		✓			VOCMS				
29	28 29	.14		✓			VOCMS				
30	29 30	.15		✓			VOCMS				
31	30 31	.16		✓			VOCMS				
32	31 32	.18		✓			VOCMS				
33	32 33	102478.06		✓			VOCMS				
34	33 34	.07		✓			VOCMS				
35	34 35	.08		✓			VOCMS				
36	35 36	.09		✓			VOCMS				
37	36 37	.10		✓			VOCMS				
38	37 38	.11		✓			VOCMS				
39	38 39	.12		✓			VOCMS				
40	39 40	.13		✓		↓	VOCMS				
41	40 41	LCS10					VOCMS				
42	41 42	LCS10					VOCMS	↓			

WP 8/24/11

Samples removed from autosampler, order and pH verified by 8/24/11 pH ✓

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082322.D Vial: 22
Acq On : 23 Aug 2011 7:48 pm Operator: VG
Sample : 25 ng BFB Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010



Spectrum Information: Average of 18.126 to 18.138 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	5317	PASS
75	95	30	60	46.4	12279	PASS
95	95	100	100	100.0	26456	PASS
96	95	5	9	7.3	1930	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.1	20144	PASS
175	174	5	9	7.4	1497	PASS
176	174	95	101	99.4	20017	PASS
177	176	5	9	6.6	1318	PASS

GC/MS QA-QC Check Report

Tune File : W:\1\DATA\AUG2311\SA082322.D
Tune Time : 23 Aug 2011 7:48 pm

Daily Calibration File : W:\1\DATA\AUG1111\SA081111.D

File	Sample	Surrogate Recovery %		Internal Standard Responses
				301429
SA082323.D	STS 10	104	105	260552
SA082324.D	STD 0.5	101	104	256911
SA082325.D	MB	100	103	261931
SA082326.D	102479.12	101	103	264265
SA082327.D	102479.13	102	104	253567
SA082328.D	102479.14	101	104	258888
SA082329.D	102479.15	101	103	254667
SA082330.D	102479.16	102	104	260003
SA082331.D	102479.18	101	105	252544
SA082332.D	102478.06	101	103	260584
SA082333.D	102478.07	100	102	248269
SA082334.D	102478.08	101	103	248373
SA082335.D	102478.09	101	103	253455
SA082336.D	102478.10	103	105	247305
SA082337.D	102478.11	102	105	251299
SA082338.D	102478.12	102	105	244795
SA082339.D	102478.13	102	104	254543
SA082340.D	LCS 10	104	107	252627
SA082341.D	LCSD 10	105	107	245342

t - fails 12hr time check * - fails criteria

Created: Wed Aug 24 11:09:34 2011 VOAMS5

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082323.D Vial: 23
Acq On : 23 Aug 2011 8:22 pm Operator: VG
Sample : STS 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 70% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 130%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	86	0.00
2		dichlorodifluoromethane	20.000	16.512	17.4	72	0.00
3		chloromethane	20.000	18.025	9.9	81	0.00
4		vinyl chloride	20.000	20.818	-4.1	92	0.00
5		bromomethane	20.000	17.606	12.0	73	0.00
6		chloroethane	20.000	20.819	-4.1	90	0.00
7		trichlorofluoromethane	20.000	21.511	-7.6	93	0.00
8		diethyl ether	10.000	10.202	-2.0	91	0.00
9		1,1,2-Trichlorotrifluoroeth	10.000	9.922	0.8	89	0.00
10		acetone	10.000	7.852	21.5	70	0.00
11		1,1-dichloroethene	10.000	9.860	1.4	88	0.00
12		tert-Butyl Alcohol (TBA)	50.000	47.077	5.8	87	0.00
13		methylene chloride	10.000	9.155	8.5	87	0.00
14		carbon disulfide	10.000	10.209	-2.1	96	0.00
15		acrylonitrile	10.000	10.742	-7.4	94	0.00
16		Methyl-t-butyl ether (MTBE)	20.000	18.826	5.9	86	0.00
17		trans-1,2-dichloroethene	10.000	9.689	3.1	86	0.00
18		hexane	10.000	9.336	6.6	84	0.00
19		Isopropyl ether (DIPE)	10.000	9.815	1.9	88	0.00
20		vinyl acetate	20.000	17.775	11.1	79	0.00
21		1,1-dichloroethane	10.000	9.813	1.9	88	0.00
22		Ethyl-t-butyl ether (ETBE)	10.000	8.485	15.2	76	0.00
23		2,2-dichloropropane	10.000	5.467	45.3#	49	0.00
24		cis-1,2-dichloroethene	10.000	9.956	0.4	89	0.00
25		2-butanone (MEK)	10.000	9.639	3.6	84	0.00
26		bromochloromethane	10.000	9.921	0.8	87	0.00
27		Tetrahydrofuran (THF)	10.000	10.009	-0.1	92	0.00
28		chloroform	10.000	9.676	3.2	90	0.00
29		SS Dibromofluoromethane_MS	10.000	10.189	-1.9	87	0.00
30		1,1,1-trichloroethane	10.000	8.250	17.5	74	0.00
31		carbon tetrachloride	10.000	7.190	28.1	66	0.00
32		1,1-dichloropropene	10.000	9.749	2.5	87	0.00
33		SS 1,2-DCA-d4_MS	10.000	10.914	-9.1	93	0.00
34		tert-amyl methyl ether (TAM	10.000	8.515	14.8	77	0.00
35		benzene	10.000	9.880	1.2	88	0.00
36		1,2-dichloroethane	10.000	10.584	-5.8	95	0.00
37		trichloroethene	10.000	9.751	2.5	87	0.00
38		1,2-dichloropropane	10.000	9.715	2.9	87	0.00
39		dibromomethane	10.000	10.241	-2.4	92	0.00
40		bromodichloromethane	10.000	9.615	3.8	86	0.00
41		4-methyl-2-pentanone (MIBK)	10.000	9.662	3.4	85	0.00
42		cis-1,3-dichloropropene	10.000	8.217	17.8	72	0.00
43		Chlorobenzene-D5 IS	10.000	10.179	-1.8	87	0.00
44		SS Toluene-d8_MS	10.000	10.304	-3.0	89	0.00
45		toluene	10.000	9.825	1.8	88	0.00
46		trans-1,3-dichloropropene	10.000	7.403	26.0	65	0.00
47		1,1,2-trichloroethane	10.000	10.192	-1.9	91	0.00
48		2-hexanone	10.000	9.801	2.0	84	0.00
49		tetrachloroethene	10.000	9.582	4.2	85	0.00
50		1,3-dichloropropane	10.000	10.197	-2.0	91	0.00
51		dibromochloromethane	10.000	9.911	0.9	83	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082323.D Vial: 23
Acq On : 23 Aug 2011 8:22 pm Operator: VG
Sample : STS 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 70% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 130%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		1,2-dibromoethane	10.000	9.688	3.1	86	0.00
53		chlorobenzene	10.000	9.734	2.7	87	0.00
54		1,1,1,2-tetrachloroethane	10.000	8.347	16.5	72	0.00
55		ethylbenzene	10.000	10.061	-0.6	88	0.00
56		mp-xylene	20.000	20.997	-5.0	87	0.00
57		o-xylene	10.000	9.996	0.0	87	0.00
58		styrene	10.000	9.963	0.4	87	0.00
59		bromoform	10.000	11.282	-12.8	80	0.00
60		iso-propylbenzene	10.000	10.012	-0.1	87	0.00
61	S	SS 4-BFB_MS	10.000	10.448	-4.5	90	0.00
62		1,4-Dichlorobenzene-D4 IS	10.000	10.108	-1.1	87	0.00
63		bromobenzene	10.000	9.681	3.2	86	0.00
64		1,1,2,2-tetrachloroethane	10.000	10.124	-1.2	90	0.00
65		1,2,3-trichloropropane	10.000	10.571	-5.7	94	0.00
66		n-propylbenzene	10.000	10.086	-0.9	88	0.00
67		2-chlorotoluene	10.000	10.014	-0.1	88	0.00
68		4-chlorotoluene	10.000	9.940	0.6	88	0.00
69		1,3,5-trimethylbenzene	10.000	10.105	-1.1	88	0.00
70		tert-butylbenzene	10.000	9.889	1.1	87	0.00
71		1,2,4-trimethylbenzene	10.000	10.107	-1.1	88	0.00
72		sec-butylbenzene	10.000	10.071	-0.7	87	0.00
73		1,3-dichlorobenzeneV	10.000	9.849	1.5	87	0.00
74		p-isopropyltoluene	10.000	10.069	-0.7	87	0.00
75		1,4-dichlorobenzeneV	10.000	9.816	1.8	87	0.00
76		1,2-dichlorobenzeneV	10.000	9.920	0.8	88	0.00
77		n-butylbenzene	10.000	10.196	-2.0	88	0.00
78	S	SS 1,2-DCB-D4_MS	10.000	10.490	-4.9	90	0.00
79		1,2-dibromo-3-chloropropane	10.000	7.386	26.1	70	0.00
80		1,3,5-trichlorobenzV	10.000	9.473	5.3	84	0.00
81		1,2,4-trichlorobenzV	10.000	9.476	5.2	84	0.00
82		hexachlorobutadieneV	10.000	8.940	10.6	79	0.00
83		naphthaleneV	10.000	10.159	-1.6	87	0.00
84		1,2,3-trichlorobenzV	10.000	9.651	3.5	85	0.00
85		SS 2,5-DBT_MS	10.000	8.908	10.9	77	0.00

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082323.D Vial: 23
Acq On : 23 Aug 2011 8:22 pm Operator: VG
Sample : STS 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 70% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 130%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	1.000	1.000	0.0	86	0.00
2		dichlorodifluoromethane	0.237	0.220	7.2	72	0.00
3		chloromethane	0.274	0.278	-1.5	81	0.00
4		vinyl chloride	0.153	0.179	-17.0	92	0.00
5		bromomethane	0.122	0.120	1.6	73	0.00
6		chloroethane	0.139	0.163	-17.3	90	0.00
7		trichlorofluoromethane	0.288	0.349	-21.2	93	0.00
8		diethyl ether	0.192	0.196	-2.1	91	0.00
9		1,1,2-Trichlorotrifluoroeth	0.237	0.235	0.8	89	0.00
10		acetone	0.073	0.058#	20.5	70	0.00
11		1,1-dichloroethene	0.220	0.217	1.4	88	0.00
12		tert-Butyl Alcohol (TBA)	0.015	0.014#	6.7	87	0.00
13		methylene chloride	0.255	0.233	8.6	87	0.00
14		carbon disulfide	0.760	0.776	-2.1	96	0.00
15		acrylonitrile	0.090	0.097#	-7.8	94	0.00
16		Methyl-t-butyl ether (MTBE)	0.530	0.499	5.8	86	0.00
17		trans-1,2-dichloroethene	0.244	0.236	3.3	86	0.00
18		hexane	0.348	0.325	6.6	84	0.00
19		Isopropyl ether (DIPE)	0.927	0.910	1.8	88	0.00
20		vinyl acetate	0.272	0.290	-6.6	79	0.00
21		1,1-dichloroethane	0.479	0.470	1.9	88	0.00
22		Ethyl-t-butyl ether (ETBE)	0.730	0.619	15.2	76	0.00
23		2,2-dichloropropane	0.314	0.172	45.2#	49#	0.00
24		cis-1,2-dichloroethene	0.387	0.386	0.3	89	0.00
25		2-butanone (MEK)	0.106	0.103	2.8	84	0.00
26		bromochloromethane	0.136	0.135	0.7	87	0.00
27		Tetrahydrofuran (THF)	0.064	0.064#	0.0	92	0.00
28		chloroform	0.452	0.437	3.3	90	0.00
29		SS Dibromofluoromethane_MS	0.214	0.240	-12.1	87	0.00
30		1,1,1-trichloroethane	0.358	0.295	17.6	74	0.00
31		carbon tetrachloride	0.274	0.197	28.1	66#	0.00
32		1,1-dichloropropene	0.360	0.351	2.5	87	0.00
33		SS 1,2-DCA-d4_MS	0.226	0.271	-19.9	93	0.00
34		tert-amyl methyl ether (TAM	0.566	0.482	14.8	77	0.00
35		benzene	1.109	1.096	1.2	88	0.00
36		1,2-dichloroethane	0.330	0.349	-5.8	95	0.00
37		trichloroethene	0.280	0.273	2.5	87	0.00
38		1,2-dichloropropane	0.287	0.279	2.8	87	0.00
39		dibromomethane	0.148	0.151	-2.0	92	0.00
40		bromodichloromethane	0.291	0.280	3.8	86	0.00
41		4-methyl-2-pentanone (MIBK)	0.078	0.075#	3.8	85	0.00
42		cis-1,3-dichloropropene	0.359	0.295	17.8	72	0.00
43		Chlorobenzene-D5 IS	0.720	0.807	-12.1	87	0.00
44		SS Toluene-d8_MS	0.898	1.018	-13.4	89	0.00
45		toluene	1.192	1.172	1.7	88	0.00
46		trans-1,3-dichloropropene	0.306	0.227	25.8	65#	0.00
47		1,1,2-trichloroethane	0.176	0.179	-1.7	91	0.00
48		2-hexanone	0.138	0.136	1.4	84	0.00
49		tetrachloroethene	0.301	0.288	4.3	85	0.00
50		1,3-dichloropropane	0.357	0.365	-2.2	91	0.00
51		dibromochloromethane	0.180	0.178	1.1	83	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082323.D Vial: 23
Acq On : 23 Aug 2011 8:22 pm Operator: VG
Sample : STS 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 70% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 130%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52		1,2-dibromoethane	0.212	0.206	2.8	86	0.00
53		chlorobenzene	0.799	0.777	2.8	87	0.00
54		1,1,1,2-tetrachloroethane	0.219	0.183	16.4	72	0.00
55		ethylbenzene	1.325	1.333	-0.6	88	0.00
56		mp-xylene	0.506	0.532	-5.1	87	0.00
57		o-xylene	0.513	0.513	0.0	87	0.00
58		styrene	0.859	0.856	0.3	87	0.00
59		bromoform	0.072	0.082#	-13.9	80	0.00
60		iso-propylbenzene	1.233	1.235	-0.2	87	0.00
61	S	SS 4-BFB_MS	0.339	0.389	-14.7	90	0.00
62		1,4-Dichlorobenzene-D4 IS	0.393	0.437	-11.2	87	0.00
63		bromobenzene	0.327	0.317	3.1	86	0.00
64		1,1,2,2-tetrachloroethane	0.241	0.244	-1.2	90	0.00
65		1,2,3-trichloropropane	0.072	0.076#	-5.6	94	0.00
66		n-propylbenzene	1.534	1.547	-0.8	88	0.00
67		2-chlorotoluene	0.947	0.948	-0.1	88	0.00
68		4-chlorotoluene	0.920	0.915	0.5	88	0.00
69		1,3,5-trimethylbenzene	1.083	1.095	-1.1	88	0.00
70		tert-butylbenzene	0.938	0.928	1.1	87	0.00
71		1,2,4-trimethylbenzene	1.112	1.124	-1.1	88	0.00
72		sec-butylbenzene	1.363	1.372	-0.7	87	0.00
73		1,3-dichlorobenzeneV	0.616	0.606	1.6	87	0.00
74		p-isopropyltoluene	1.138	1.146	-0.7	87	0.00
75		1,4-dichlorobenzeneV	0.613	0.602	1.8	87	0.00
76		1,2-dichlorobenzeneV	0.565	0.560	0.9	88	0.00
77		n-butylbenzene	0.977	0.996	-1.9	88	0.00
78	S	SS 1,2-DCB-D4_MS	0.346	0.400	-15.6	90	0.00
79		1,2-dibromo-3-chloropropane	0.039	0.031#	20.5	70#	0.00
80		1,3,5-trichlorobenzV	0.380	0.360	5.3	84	0.00
81		1,2,4-trichlorobenzV	0.316	0.299	5.4	84	0.00
82		hexachlorobutadieneV	0.152	0.136	10.5	79	0.00
83		naphthaleneV	0.729	0.741	-1.6	87	0.00
84		1,2,3-trichlorobenzV	0.274	0.265	3.3	85	0.00
85		SS 2,5-DBT_MS	0.085	0.076#	10.6	77	0.00

Volatile Organic Analysis
8260B Support Data
102479

VOAMS5 Analysis Run Log

IS/SS ID= V- 3815 (refilled)
Standard ID= V- 3816A
Gas Standard ID= V- 3817
LCS/LCSD and/or MS/MSD Standard ID= V- 3806(L) 3821(G)
Restarted, Autotune

Analyst: VG

Date: 8/29/2011

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA082901	BFB					VOCMS	5V1D0811	autofind		
2	02	STD20					VOCMS				
3	03	STD2					VOCMS				
4	04	MB					VOCMS				
5	05	102455.05	✓	✓		x1	VOCMS				
6	06	102479.04	✓	✓		x1	VOCMS				
7	07	102455.05MS	✓	✓		x1	VOCMS				
8	08	05MSD	✓	✓		↓	VOCMS				
9	09	102479.04MS	✓	✓			VOCMS				
10	10	04MSD	✓	✓			VOCMS				
11	11	Blank	✓	✓			VOCMS				
12	12	102479.02	✓	✓			VOCMS				
13	13	03	✓	✓			VOCMS				
14	14	05	✓	✓			VOCMS				
15	15	102479.06	✓	✓			VOCMS				
16	16	08	✓	✓			VOCMS				
17	17	09	✓	✓			VOCMS				
18	18	LCS20		✓			VOCMS				
19	19	LCSD20		✓		↓	VOCMS				
20	20	Vial Check		✓		↓	VOCMS				
21	21	Vial Check		✓		↓	VOCMS				
							VOCMS				
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							VOCMS				

Samples removed from autosampler, order and pH verified by [signature] 8/30/11 pH ✓

GC/MS QA-QC Check Report

Tune File : C:\MSDCHEM\1\DATA\AUG2911\SA082901.D
Tune Time : 29 Aug 2011 9:24 am

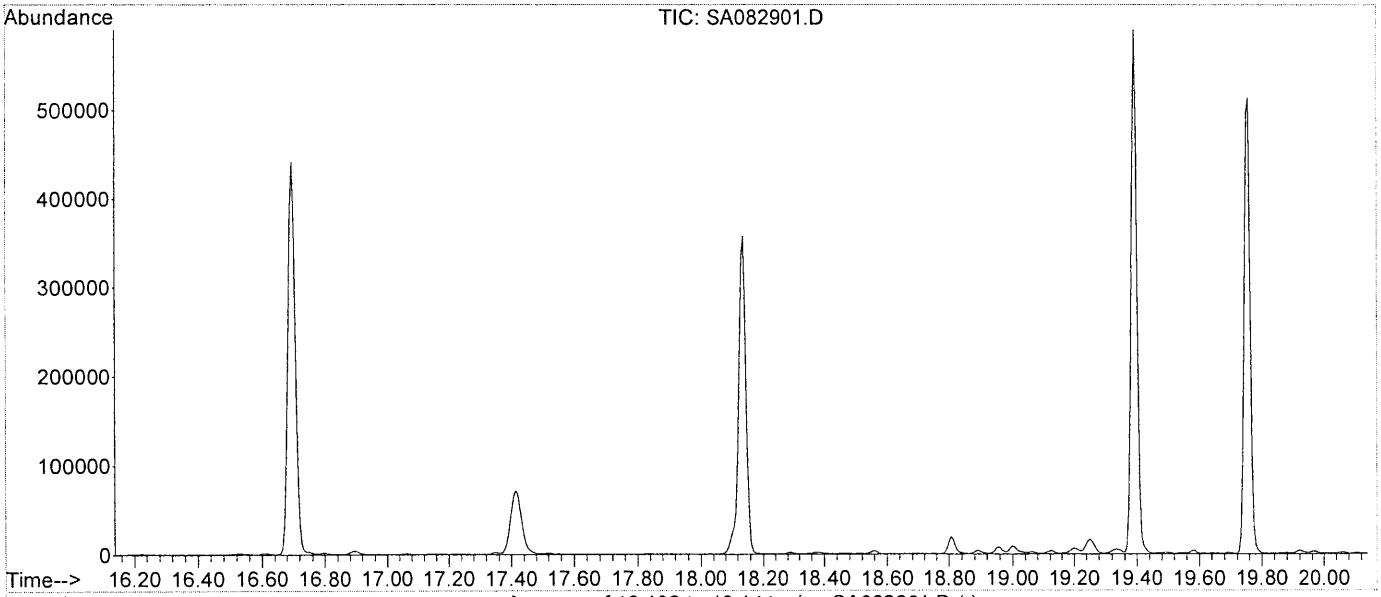
Daily Calibration File : C:\MSDCHEM\1\DATA\AUG2911\SA082902.D

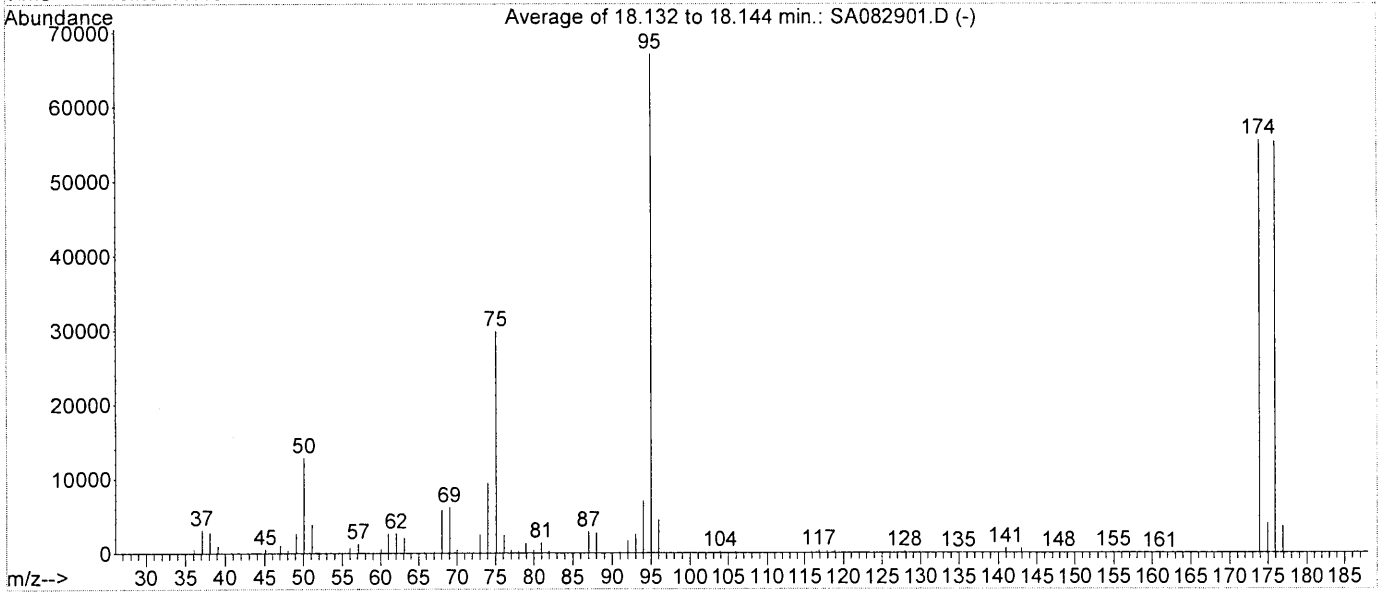
							263111	200435	107644
File	Sample	Surrogate Recovery %					Internal Standard Responses		
SA082902.D	STD 20	102	109	105	100		263111	200435	107644
		104	47*						
SA082903.D	STD 2	99	108	104	99		265865	201792	105005
		103	5*						
SA082904.D	MB	100	109	104	97		268833	203060	103959
		105	0*						
SA082905.D	102455.05	101	109	105	98		263704	198487	101890
		105	0*						
SA082906.D	102479.04	101	108	106	99		263611	198081	102547
		105	0*						
SA082907.D	102455.05M	103	108	106	101		265412	201179	108223
		103	0*						
SA082908.D	102455.05M	102	108	105	101		273655	205944	110721
		103	0*						
SA082909.D	102479.04M	102	108	106	100		276260	209625	112382
		102	0*						
SA082910.D	102479.04M	102	109	105	100		275262	208104	110472
		104	0*						
SA082912.D	102479.02	100	109	105	98		274437	207243	107055
		106	0*						
SA082913.D	102479.03	99	110	104	97		276462	209010	107917
		105	0*						
SA082914.D	102479.05	101	110	104	98		266324	201932	104625
		105	0*						
SA082915.D	102479.06	98	109	105	98		265336	199840	103345
		105	0*						
SA082916.D	102479.08	100	111	105	99		262699	198199	103876
		104	0*						
SA082917.D	102479.09	100	110	103	98		262926	200243	102596
		105	0*						
SA082918.D	LCS20	101	110	104	101		266864	203278	108952
		103	0*						
SA082919.D	LCSD20	103	109	105	101		274828	209182	112694
		101	0*						

t - fails 12hr time check * - fails criteria

Created: Tue Aug 30 09:13:53 2011 VOAMS5

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082901.D Vial: 1
Acq On : 29 Aug 2011 9:24 am Operator: VG
Sample : BFB Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010





Spectrum Information: Average of 18.132 to 18.144 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	12896	PASS
75	95	30	60	44.6	29917	PASS
95	95	100	100	100.0	67152	PASS
96	95	5	9	6.7	4467	PASS
173	174	0.00	2	0.2	137	PASS
174	95	50	100	82.7	55525	PASS
175	174	5	9	7.2	4007	PASS
176	174	95	101	99.6	55298	PASS
177	176	5	9	6.5	3569	PASS

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 9:58 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	1.000	1.000	0.0	86	0.00
2		dichlorodifluoromethane	0.271	0.198	26.9#	61	0.00
3	P	chloromethane	0.312	0.267	14.4	74	0.00
4	C	vinyl chloride	0.154	0.163	-5.8	85	0.00
5		bromomethane	0.150	0.117	22.0#	65	0.00
6		chloroethane	0.153	0.153	0.0	82	0.00
7		trichlorofluoromethane	0.333	0.338	-1.5	86	0.00
8		diethyl ether	0.192	0.200	-4.2	88	0.00
9		1,1,2-Trichlorotrifluoroeth	0.237	0.244	-3.0	86	0.00
10		acrolein	0.007	0.009	-28.6#	113	0.00
11		acetone	0.071	0.089	-25.4#	108	0.00
12	CM	1,1-dichloroethene	0.220	0.223	-1.4	84	0.00
13		tert-Butyl Alcohol (TBA)	0.015	0.015	0.0	89	0.00
14		Iodomethane	0.235	0.189	19.6	71	0.00
15		methylene chloride	0.249	0.242	2.8	87	0.00
16		carbon disulfide	0.744	0.698	6.2	82	0.00
17		acrylonitrile	0.090	0.097	-7.8	91	0.00
18		Methyl-t-butyl ether (MTBE)	0.524	0.537	-2.5	88	0.00
19		trans-1,2-dichloroethene	0.244	0.246	-0.8	85	0.00
20		hexane	0.351	0.351	0.0	85	0.00
21		Isopropyl ether (DIPE)	0.924	0.975	-5.5	89	0.00
22		vinyl acetate	0.341	0.359	-5.3	93	0.00
23	P	1,1-dichloroethane	0.478	0.494	-3.3	88	0.00
24		Ethyl-t-butyl ether (ETBE)	0.738	0.726	1.6	84	0.00
25		2,2-dichloropropane	0.321	0.269	16.2	71	0.00
26		cis-1,2-dichloroethene	0.385	0.403	-4.7	88	0.00
27		2-butanone (MEK)	0.110	0.124	-12.7	102	0.00
28		bromochloromethane	0.136	0.140	-2.9	86	0.00
29		Tetrahydrofuran (THF)	0.064	0.067	-4.7	95	0.00
30	C	chloroform	0.450	0.473	-5.1	91	0.00
31	S	SS Dibromofluoromethane_MS	0.237	0.242	-2.1	88	0.00
32		1,1,1-trichloroethane	0.364	0.359	1.4	83	0.00
33		carbon tetrachloride	0.289	0.286	1.0	83	0.00
34		1,1-dichloropropene	0.360	0.372	-3.3	85	0.00
35	S	SS 1,2-DCA-d4_MS	0.249	0.272	-9.2	93	0.00
36		tert-amyl methyl ether (TAM	0.576	0.564	2.1	85	0.00
37	M	benzene	1.092	1.125	-3.0	86	0.00
38		1,2-dichloroethane	0.326	0.352	-8.0	92	0.00
39	M	trichloroethene	0.278	0.285	-2.5	86	0.00
40	C	1,2-dichloropropane	0.285	0.291	-2.1	86	0.00
41		1,4-dioxaneV	0.002	0.002	0.0	92	0.00
42		dibromomethane	0.148	0.154	-4.1	89	0.00
43		bromodichloromethane	0.273	0.330	-20.9#	92	0.00
44		2-Chloroethoxyethene	0.130	0.118	9.2	76	0.00
45		4-methyl-2-pentanone (MIBK)	0.078	0.085	-9.0	92	0.00
46		cis-1,3-dichloropropene	0.364	0.374	-2.7	84	0.00
47	I	Chlorobenzene-D5 IS	1.000	1.000	0.0	82	0.00
48	S	SS Toluene-d8_MS	1.243	1.308	-5.2	86	0.00
49	CM	toluene	1.466	1.578	-7.6	86	0.00
50		trans-1,3-dichloropropene	0.362	0.414	-14.4	82	0.00
51		1,1,2-trichloroethane	0.220	0.239	-8.6	88	0.00
52		2-hexanone	0.173	0.212	-22.5#	96	0.00
53		tetrachloroethene	0.374	0.395	-5.6	84	0.00
54		1,3-dichloropropane	0.446	0.483	-8.3	88	0.00
55		dibromochloromethane	0.255	0.307	-20.4#	96	0.00
56		1,2-dibromoethane	0.269	0.292	-8.6	87	0.00

57	PM	chlorobenzene	0.981	1.057	-7.7	86	0.00
58		1,1,1,2-tetrachloroethane	0.277	0.314	-13.4	85	0.00
59	C	ethylbenzene	1.600	1.811	-13.2	86	0.00
60		mp-xylene	0.635	0.716	-12.8	85	0.00
61		o-xylene	0.631	0.694	-10.0	85	0.00
62		styrene	1.058	1.173	-10.9	86	0.00
63	P	bromoform	0.132	0.161	-22.0#	99	0.00
64		iso-propylbenzene	1.513	1.686	-11.4	86	0.00
65	S	SS 4-BFB_MS	0.472	0.475	-0.6	82	0.00
66	I	1,4-Dichlorobenzene-D4 IS	1.000	1.000	0.0	80	0.00
67		bromobenzene	0.745	0.801	-7.5	84	0.00
68	P	1,1,2,2-tetrachloroethane	0.555	0.616	-11.0	89	0.00
69		1,2,3-trichloropropane	0.165	0.184	-11.5	88	0.00
70		trans-1,4-dichloro-2-butene	0.096	0.088	8.3	77	0.00
71		n-propylbenzene	3.405	3.914	-14.9	86	0.00
72		2-chlorotoluene	2.113	2.365	-11.9	86	0.00
73		4-chlorotoluene	2.065	2.312	-12.0	87	0.00
74		1,3,5-trimethylbenzene	2.425	2.770	-14.2	85	0.00
75		tert-butylbenzene	2.106	2.373	-12.7	85	0.00
76		1,2,4-trimethylbenzene	2.479	2.844	-14.7	86	0.00
77		sec-butylbenzene	3.024	3.470	-14.7	85	0.00
78		1,3-dichlorobenzeneV	1.384	1.528	-10.4	85	0.00
79		p-isopropyltoluene	2.535	2.934	-15.7	85	0.00
80		1,4-dichlorobenzeneV	1.376	1.515	-10.1	85	0.00
81		1,2-dichlorobenzeneV	1.270	1.398	-10.1	86	0.00
82		n-butylbenzene	2.180	2.545	-16.7	86	0.00
83	S	SS 1,2-DCB-D4_MS	0.882	0.913	-3.5	83	0.00
84		1,2-dibromo-3-chloropropane	0.096	0.112	-16.7	93	0.00
85		1,3,5-trichlorobenzV	0.868	0.944	-8.8	84	0.00
86		1,2,4-trichlorobenzV	0.728	0.789	-8.4	84	0.00
87		hexachlorobutadieneV	0.321	0.375	-16.8	82	0.00
88		naphthaleneV	1.693	1.952	-15.3	89	0.00
89		1,2,3-trichlorobenzV	0.636	0.701	-10.2	87	0.00
90	S	SS 2,5-DBT_MS	0.232	0.219	5.6	81	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
SA081113.D 5VID0811.M Fri Sep 02 10:26:11 2011

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 9:58 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	86	0.00
2		dichlorodifluoromethane	40.000	29.106	27.2#	61	0.00
3	P	chloromethane	40.000	34.208	14.5	74	0.00
4	C	vinyl chloride	40.000	42.149	-5.4	85	0.00
5		bromomethane	40.000	31.009	22.5#	65	0.00
6		chloroethane	40.000	40.061	-0.2	82	0.00
7		trichlorofluoromethane	40.000	40.582	-1.5	86	0.00
8		diethyl ether	20.000	20.792	-4.0	88	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	20.600	-3.0	86	0.00
10		acrolein	40.000	59.997	-50.0#	113	0.00
11		acetone	20.000	24.954	-24.8#	108	0.00
12	CM	1,1-dichloroethene	20.000	20.223	-1.1	84	0.00
13		tert-Butyl Alcohol (TBA)	100.000	97.509	2.5	89	0.00
14		Iodomethane	40.000	30.365	24.1#	71	0.00
15		methylene chloride	20.000	19.474	2.6	87	0.00
16		carbon disulfide	20.000	18.745	6.3	82	0.00
17		acrylonitrile	20.000	21.606	-8.0	91	0.00
18		Methyl-t-butyl ether (MTBE)	40.000	40.988	-2.5	88	0.00
19		trans-1,2-dichloroethene	20.000	20.167	-0.8	85	0.00
20		hexane	20.000	19.975	0.1	85	0.00
21		Isopropyl ether (DIPE)	20.000	21.096	-5.5	89	0.00
22		vinyl acetate	40.000	42.143	-5.4	93	0.00
23	P	1,1-dichloroethane	20.000	20.640	-3.2	88	0.00
24		Ethyl-t-butyl ether (ETBE)	20.000	19.690	1.5	84	0.00
25		2,2-dichloropropane	20.000	16.746	16.3	71	0.00
26		cis-1,2-dichloroethene	20.000	20.890	-4.5	88	0.00
27		2-butanone (MEK)	20.000	22.598	-13.0	102	0.00
28		bromochloromethane	20.000	20.573	-2.9	86	0.00
29		Tetrahydrofuran (THF)	20.000	20.774	-3.9	95	0.00
30	C	chloroform	20.000	21.013	-5.1	91	0.00
31	S	SS Dibromofluoromethane_MS	10.000	10.218	-2.2	88	0.00
32		1,1,1-trichloroethane	20.000	19.714	1.4	83	0.00
33		carbon tetrachloride	20.000	17.641	11.8	83	0.00
34		1,1-dichloropropene	20.000	20.620	-3.1	85	0.00
35	S	SS 1,2-DCA-d4_MS	10.000	10.919	-9.2	93	0.00
36		tert-amyl methyl ether (TAM	20.000	19.562	2.2	85	0.00
37	M	benzene	20.000	20.607	-3.0	86	0.00
38		1,2-dichloroethane	20.000	21.581	-7.9	92	0.00
39	M	trichloroethene	20.000	20.529	-2.6	86	0.00
40	C	1,2-dichloropropane	20.000	20.447	-2.2	86	0.00
41		1,4-dioxaneV	80.000	79.283	0.9	92	0.00
42		dibromomethane	20.000	20.771	-3.9	89	0.00
43		bromodichloromethane	20.000	22.025	-10.1	92	0.00
44		2-Chloroethoxyethene	40.000	36.508	8.7	76	0.00
45		4-methyl-2-pentanone (MIBK)	20.000	21.847	-9.2	92	0.00
46		cis-1,3-dichloropropene	20.000	20.503	-2.5	84	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	82	0.00
48	S	SS Toluene-d8_MS	10.000	10.518	-5.2	86	0.00
49	CM	toluene	20.000	21.534	-7.7	86	0.00
50		trans-1,3-dichloropropene	20.000	20.808	-4.0	82	0.00
51		1,1,2-trichloroethane	20.000	21.748	-8.7	88	0.00
52		2-hexanone	20.000	24.558	-22.8#	96	0.00
53		tetrachloroethene	20.000	21.127	-5.6	84	0.00
54		1,3-dichloropropane	20.000	21.659	-8.3	88	0.00
55		dibromochloromethane	20.000	20.448	-2.2	96	0.00
56		1,2-dibromoethane	20.000	21.697	-8.5	87	0.00

57	PM	chlorobenzene	20.000	21.564	-7.8	86	0.00
58		1,1,1,2-tetrachloroethane	20.000	22.707	-13.5	85	0.00
59	C	ethylbenzene	20.000	22.640	-13.2	86	0.00
60		mp-xylene	40.000	45.073	-12.7	85	0.00
61		o-xylene	20.000	21.984	-9.9	85	0.00
62		styrene	20.000	22.159	-10.8	86	0.00
63	P	bromoform	20.000	20.074	-0.4	99	0.00
64		iso-propylbenzene	20.000	22.284	-11.4	86	0.00
65	S	SS 4-BFB_MS	10.000	10.047	-0.5	82	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	80	0.00
67		bromobenzene	20.000	21.524	-7.6	84	0.00
68	P	1,1,2,2-tetrachloroethane	20.000	22.183	-10.9	89	0.00
69		1,2,3-trichloropropane	20.000	22.311	-11.6	88	0.00
70		trans-1,4-dichloro-2-butene	20.000	18.057	9.7	77	0.00
71		n-propylbenzene	20.000	22.990	-14.9	86	0.00
72		2-chlorotoluene	20.000	22.391	-12.0	86	0.00
73		4-chlorotoluene	20.000	22.397	-12.0	87	0.00
74		1,3,5-trimethylbenzene	20.000	22.848	-14.2	85	0.00
75		tert-butylbenzene	20.000	22.538	-12.7	85	0.00
76		1,2,4-trimethylbenzene	20.000	22.945	-14.7	86	0.00
77		sec-butylbenzene	20.000	22.950	-14.7	85	0.00
78		1,3-dichlorobenzeneV	20.000	22.081	-10.4	85	0.00
79		p-isopropyltoluene	20.000	23.153	-15.8	85	0.00
80		1,4-dichlorobenzeneV	20.000	22.015	-10.1	85	0.00
81		1,2-dichlorobenzeneV	20.000	22.014	-10.1	86	0.00
82		n-butylbenzene	20.000	23.341	-16.7	86	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	10.354	-3.5	83	0.00
84		1,2-dibromo-3-chloropropane	20.000	20.853	-4.3	93	0.00
85		1,3,5-trichlorobenzV	20.000	21.747	-8.7	84	0.00
86		1,2,4-trichlorobenzV	20.000	21.655	-8.3	84	0.00
87		hexachlorobutadieneV	20.000	21.219	-6.1	82	0.00
88		naphthaleneV	20.000	23.062	-15.3	89	0.00
89		1,2,3-trichlorobenzV	20.000	22.035	-10.2	87	0.00
90	S	SS 2,5-DBT_MS	20.000	18.891	5.5	81	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

SA081113.D 5VID0811.M Fri Sep 02 10:26:30 2011

Volatile Organic Analysis
8260B SIM Support Data
102479

IS/SS ID= V- 3819
Standard ID= V- 3820
LCS/LCSD and/or MS/MSD Standard ID= V- 3720

Analyst: VG

Date: 8/26/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA082601	BMB		✓		X1	VOC NS1			
2	2	STDS		✓			VOC SIM	2SIM0805		
3	3	LCSS		✓			VOC			
4	4	LCSDS		✓			VOC			
5	5	Blank		✓			VOC			
6	6	~~102479.04~~		✓		X10	VOC		Tekmar error. Rerun	
7	7	~~04MS~~					VOC		102479.04 X10 RR	
8	8	~~04MSD~~					VOC		102479.04MS X10	
9	9	~~102455.21~~ VG 8/26/11					VOC		102479.04MSD X10	
10	10	~~18~~					VOC		~~102479.021~~ 102455.21	
~~11~~	~~11~~	~~102479.21~~					~~VOC~~			
~~12~~	~~12~~	~~06~~					~~VOC~~	VG 8/26/11		
~~13~~	~~13~~	~~05~~				~~X10~~	~~VOC~~			
~~14~~	~~14~~	~~08~~					~~VOC~~			
~~15~~	~~15~~						~~VOC~~			
11	SA082611	~~102455.19~~		✓		X1	VOC		102455.18	
12	12	~~102479.01~~ VG 8/29/11		✓			VOC		102455.19	
13	13	~~06~~		✓			VOC		102479.~~05~~ 08 X10	
14	14	~~05~~		✓		X10	VOC		102479.~~08~~ 05 X10	
15	15	~~08~~		✓			VOC			
							VOC		UG 8/29/11	
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Samples removed from autosampler, order verified by UG 8/29/11

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG2611\SA082601.D
Tune Time : 26 Aug 2011 10:57 am

Daily Calibration File : V:\1\DATA\AUG2611\SA082602.D

				144399
File	Sample	Surrogate Recovery %		Internal Standard Responses
SA082602.D	STD5	99	96	144399
SA082603.D	LCS5	94	86	137313
SA082604.D	LCSD5	100	86	153074
SA082605.D	BLANK	97	84	161716
SA082606.D	102479.04	98	91	155386
SA082607.D	102479.04	97	83	103904
SA082608.D	102479.04M	101	96	161485
SA082609.D	102479.04M	99	88	150390
SA082610.D	102455.21	95	90	152529
SA082611.D	102455.18	89	90	158684
SA082612.D	102455.19	97	88	159922
SA082613.D	102479.08	95	87	152784
SA082614.D	102479.05	95	78	160253

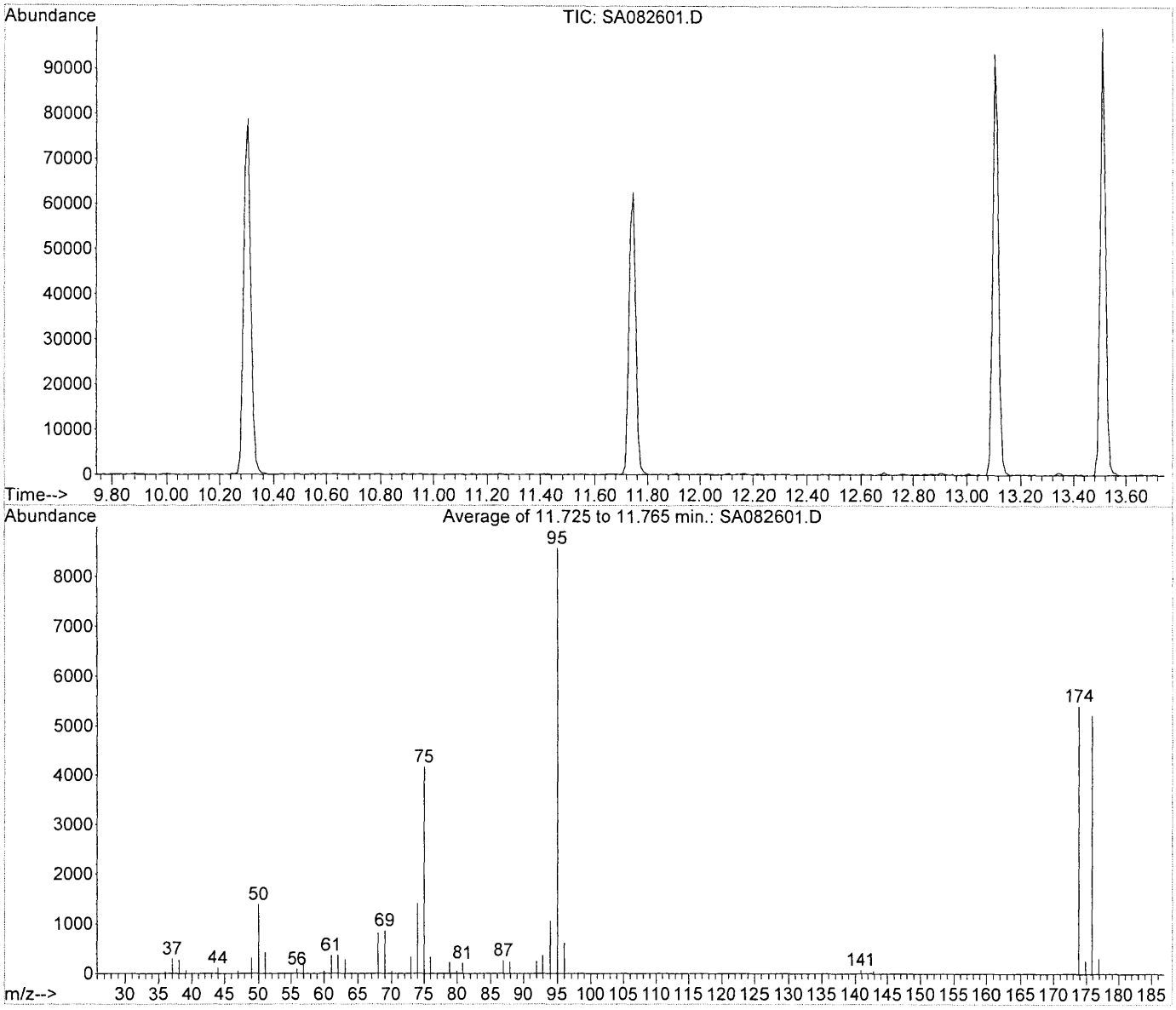
t - fails 12hr time check * - fails criteria

Created: Mon Aug 29 10:13:57 2011 VOAMS2

BFB

Data File : V:\1\DATA\AUG2611\SA082601.D
Acq On : 26 Aug 2011 10:57 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09

Vial: 1
Operator: VG
Inst : VOAMS2
Multiplr: 1.00



Spectrum Information: Average of 11.725 to 11.765 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	1393	PASS
75	95	30	60	48.7	4170	PASS
95	95	100	100	100.0	8571	PASS
96	95	5	9	7.3	623	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	63.1	5407	PASS
175	174	5	9	5.0	272	PASS
176	174	95	101	96.5	5220	PASS
177	176	5	9	6.1	316	PASS

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG2611\SA082602.D Vial: 2
Acq On : 26 Aug 2011 11:45 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	95	0.00
2		1,4-dioxaneV	5.000	5.824	-16.5	114	-0.01
3	S	SS Toluene-d8_MS	10.000	9.914	0.9	94	0.00
4	S	SS 4-BFB_MS	10.000	9.623	3.8	93	0.00

VOAMS2 Analysis Run Log

IS/SS ID= V- 3819
Standard ID= V- 3820
Analyst: VG
LCS/LCSD and/or MS/MSD Standard ID= V- 3728

Date: 8/29/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA082901	BFB		✓		x1	VOC MSI			
2	2	STD5		✓			VOC SIM	25IM08IS		
3	3	LCS5		✓			VOC			
4	4	LCSD5		✓			VOC			
5	5	Blank		✓			VOC			
6	6	102479.04	✓	✓		x10	VOC			
7	7	04MS	✓	✓			VOC			
8	8	04MSD	✓	✓			VOC			
9	9	102479.01		✓		x1	VOC			
10	10	06		✓			VOC			
11	11	09		✓			VOC			
12	12	10		✓			VOC			
13	13	11		✓			VOC			
14	14	16		✓			VOC			
15	15	19		✓			VOC			
							VOC			
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Samples removed from autosampler, order verified by CW 8/30/11

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG2911\SA082901.D
Tune Time : 29 Aug 2011 10:47 am

Daily Calibration File : V:\1\DATA\AUG2911\SA082902.D

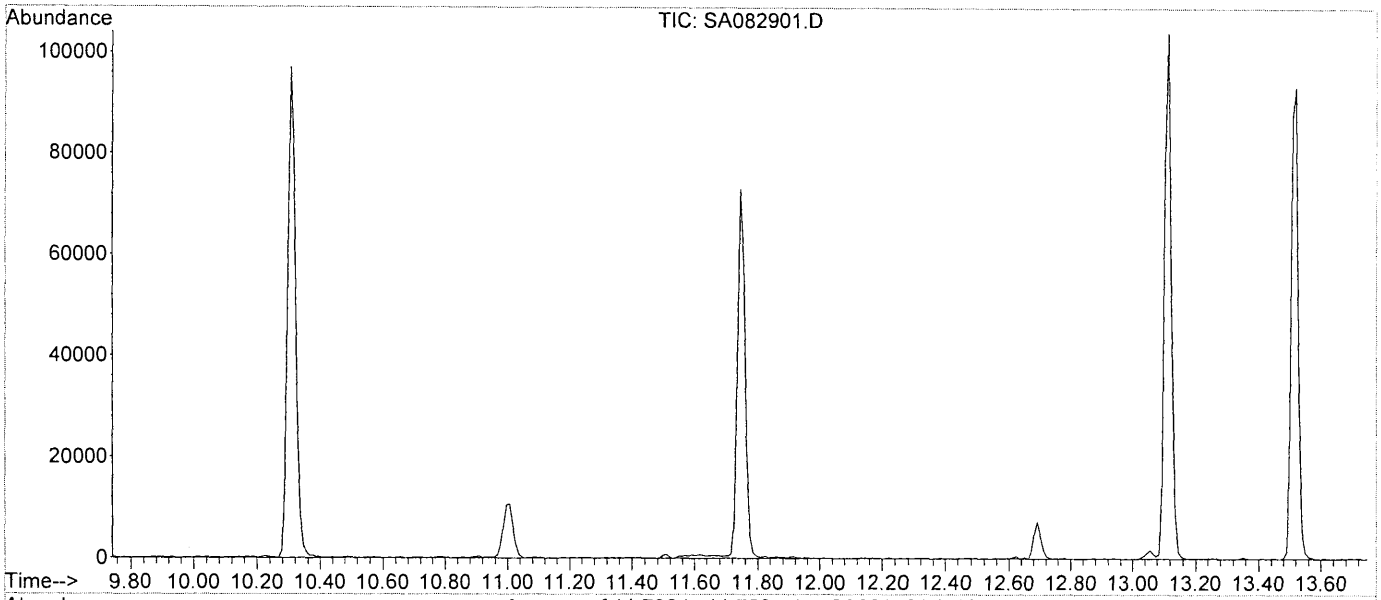
					155877
File	Sample	Surrogate Recovery %			Internal Standard Responses
SA082902.D	STD5	101	96		155877
SA082903.D	LCS5	98	89		161873
SA082904.D	LCSD5	99	95		160339
SA082905.D	BLANK	100	96		169406
SA082906.D	102479.04	100	95		149753
SA082907.D	102479.04M	99	92		158241
SA082908.D	102479.04M	99	95		161495
SA082909.D	102479.01	94	87		153700
SA082910.D	102479.06	111	105		142941
SA082911.D	102479.09	98	101		104760
SA082912.D	102479.10	96	88		123363
SA082913.D	102479.11	88	92		109978
SA082914.D	102479.16	98	92		119336
SA082915.D	102479.19	93	85		109057

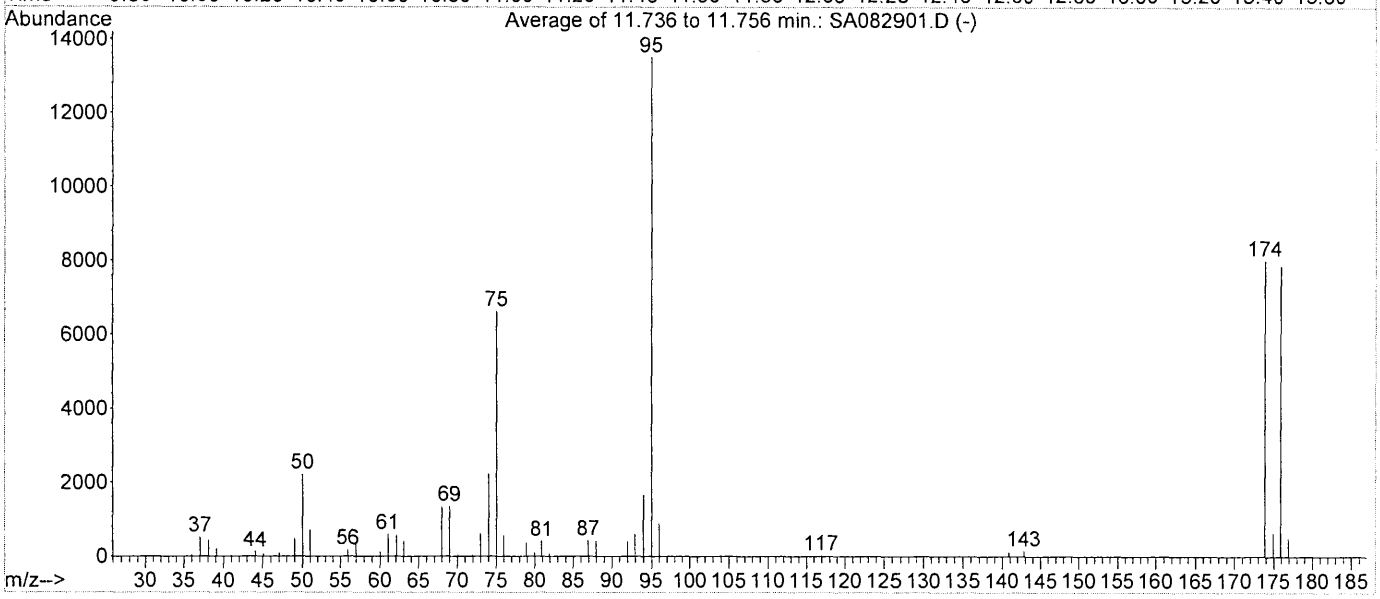
t - fails 12hr time check * - fails criteria

Created: Tue Aug 30 09:10:10 2011 VOAMS2

Data File : V:\1\DATA\AUG2911\SA082901.D
Acq On : 29 Aug 2011 10:47 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09

Vial: 1
Operator: VG
Inst : VOAMS2
Multiplr: 1.00





Spectrum Information: Average of 11.736 to 11.756 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	2238	PASS
75	95	30	60	49.1	6635	PASS
95	95	100	100	100.0	13515	PASS
96	95	5	9	6.6	890	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	59.3	8015	PASS
175	174	5	9	8.1	651	PASS
176	174	95	101	98.1	7866	PASS
177	176	5	9	6.4	502	PASS

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 11:35 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Sep 02 09:25:56 2011
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	102	0.00
2		1,4-dioxaneV	5.000	5.990	-19.8	127	0.00
3	S	SS Toluene-d8_MS	10.000	10.106	-1.1	104	0.00
4	S	SS 4-BFB_MS	10.000	9.639	3.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
SA082902.D 2SIM0815.M Fri Sep 02 09:30:29 2011 Page 1

VOAMS2 Analysis Run Log

IS/SS ID= V- 3819
Standard ID= V- 3820
LCS/LCSD and/or MS/MSD Standard ID= V-3708

Analyst: VG

Date: 8/30/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA083001	BFB		✓		X1	VOC MSI		~Fails. Rerun	
2	2	STD5		✓			VOC SIM	2SIM0825	Rerun	
3	3	LCS5		✓			VOC			
4	4	LCSD5		✓			VOC			
~~5~~	~~5~~	~~Blank~~ BFB		✓			VOC MSI			
~~6~~	~~6~~	~~STD5~~ Blank		✓			VOC SIM			
~~7~~	~~7~~	~~LCS5~~ STD5		✓			VOC			
~~7~~	~~8~~	~~LCSD5~~ LCS5		✓			VOC			
~~9~~	~~9~~	~~Blank~~ LCSD5		✓			VOC			
~~10~~	~~10~~	~~Bl~~					VOC			
5	SA083005	BFB		✓			VOC			
6	6	Blank		✓			VOC			
7	7	STD5		✓			VOC			
8	8	LCS5		✓			VOC			
9	9	LCSD5		✓			VOC			
10	10	Blank		✓			VOC			
11	11	102479.16	✓	✓			VOC			
12	12	11	✓	✓		X10	VOC			
13	13	102592.01		✓		X1	VOC			
14	14	102652.01		✓			VOC			
15	15	02		✓			VOC			
16	16	03		✓			VOC			
17	17	102683.01		✓		X100	VOC			
18	18	03		✓			VOC			
							VOC			
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VG 8/30/11

Samples removed from autosampler, order verified by VG 8/31/11

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG3011\SA083005.D
Tune Time : 30 Aug 2011 2:42 pm

Daily Calibration File : V:\1\DATA\AUG3011\SA083007.D

98465

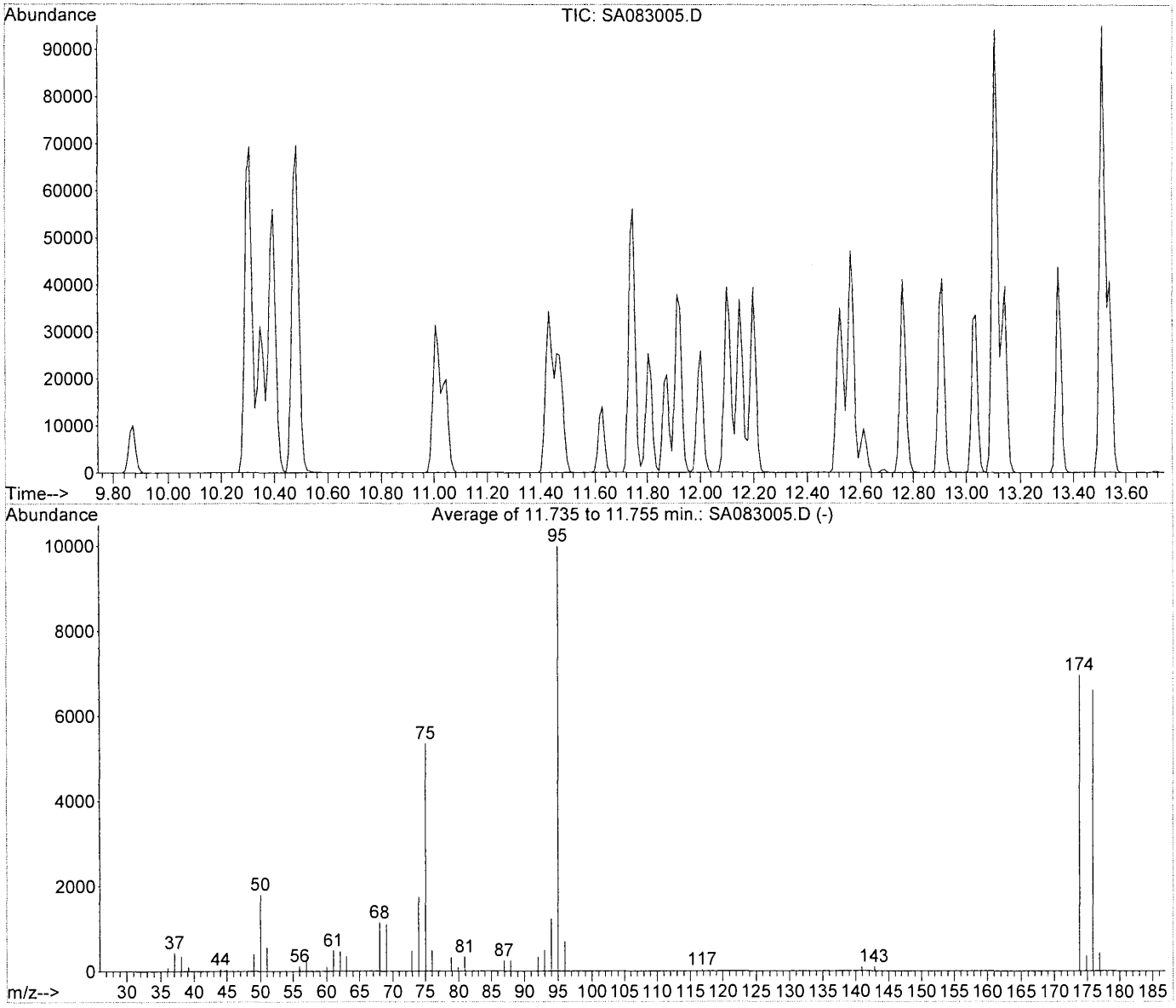
File	Sample	Surrogate Recovery %		Internal Standard Responses
SA083007.D	STD5	89	90	98465
SA083008.D	LCS5	108	97	112811
SA083009.D	LCSD5	92	98	112974
SA083010.D	BLANK	104	102	111829
SA083011.D	102479.16	104	109	105732
SA083012.D	102479.11	101	105	115152
SA083013.D	102592.01	99	93	118172
SA083014.D	102652.01	102	105	102173
SA083015.D	102652.02	102	105	110410
SA083016.D	102652.03	97	76	112848
SA083017.D	102683.01	103	105	111261
SA083018.D	102683.03	104	111	89301

t - fails 12hr time check * - fails criteria

Created: Wed Aug 31 08:07:51 2011 VOAMS2

BFB

Data File : V:\1\DATA\AUG3011\SA083005.D Vial: 5
Acq On : 30 Aug 2011 2:42 pm Operator: VG
Sample : BFB Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09



Spectrum Information: Average of 11.735 to 11.755 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	1803	PASS
75	95	30	60	53.6	5361	PASS
95	95	100	100	100.0	9999	PASS
96	95	5	9	7.1	705	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.5	6948	PASS
175	174	5	9	5.2	360	PASS
176	174	95	101	95.0	6601	PASS
177	176	5	9	6.5	429	PASS

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG3011\SA083007.D Vial: 7
Acq On : 30 Aug 2011 4:17 pm Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Sep 02 09:25:56 2011
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	65	0.00
2		1,4-dioxaneV	5.000	4.005	19.9	54	-0.01
3	S	SS Toluene-d8_MS	10.000	8.853	11.5	57	0.00
4	S	SS 4-BFB_MS	10.000	9.027	9.7	59	0.00

Metals Analysis
Internal Standard Summary
102479

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

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Internal Standard Summary
EAI SDG 102479

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 1	Monday, August 29, 2011 16:57:19	101	98	99	98
QC Std 2	Monday, August 29, 2011 17:04:14	102	99	99	96
QC Std 3	Monday, August 29, 2011 17:11:08	96	94	94	95
QC Std 5	Monday, August 29, 2011 17:18:02	96	94	96	96
QC Std 6	Monday, August 29, 2011 17:24:57	111	95	95	94
LLCS	Monday, August 29, 2011 17:44:47	97	95	95	95
ICSA	Monday, August 29, 2011 17:51:12	105	94	89	89
ICSAB	Monday, August 29, 2011 17:57:38	94	93	86	89
5ppm LRC-flush	Monday, August 29, 2011 18:04:04	87	93	92	94
QC Std 1	Monday, August 29, 2011 18:36:18	92	93	93	93
QC Std 2	Monday, August 29, 2011 18:43:13	95	92	91	90
QC Std 5	Monday, August 29, 2011 18:50:07	91	88	88	89
QC Std 6	Monday, August 29, 2011 18:57:02	103	91	89	90
Soil BLK	Monday, August 29, 2011 19:10:22	87	89	87	88
Soil LCS	Monday, August 29, 2011 19:16:48	86	89	88	88
Soil QC	Monday, August 29, 2011 19:23:13	104	91	90	92
Soil Ag LCS	Monday, August 29, 2011 19:29:38	84	88	87	87
102476.05	Monday, August 29, 2011 19:48:55	110	91	88	89
102476.06	Monday, August 29, 2011 19:55:22	96	89	86	89
102476.07	Monday, August 29, 2011 20:01:49	98	89	87	91
QC Std 1	Monday, August 29, 2011 20:08:16	91	86	87	89
QC Std 2	Monday, August 29, 2011 20:15:12	91	87	89	91
QC Std 5	Monday, August 29, 2011 20:22:06	90	85	86	87
QC Std 6	Monday, August 29, 2011 20:29:01	95	87	86	88
102476.08	Monday, August 29, 2011 20:35:57	96	87	86	88
102476.09	Monday, August 29, 2011 20:42:24	89	81	84	89
102476.1	Monday, August 29, 2011 20:48:50	96	82	83	90
102615.01	Monday, August 29, 2011 20:55:15	100	88	91	91
102615.01 MS	Monday, August 29, 2011 21:01:41	98	87	87	88
102615.01 MSD	Monday, August 29, 2011 21:08:07	93	88	86	87
BLK	Monday, August 29, 2011 21:33:50	94	87	92	94
QC Std 1	Monday, August 29, 2011 21:40:17	90	81	84	87
QC Std 2	Monday, August 29, 2011 21:47:12	87	82	86	88
QC Std 5	Monday, August 29, 2011 21:54:06	91	85	92	91
QC Std 6	Monday, August 29, 2011 22:01:01	98	85	86	88
Ag LCS	Monday, August 29, 2011 22:07:57	88	84	88	88
LCS	Monday, August 29, 2011 22:14:24	93	84	83	86
102479.01	Monday, August 29, 2011 22:40:11	115	84	83	86
102479.02	Monday, August 29, 2011 22:46:37	99	82	85	88
102479.03	Monday, August 29, 2011 22:53:03	106	81	82	90
102479.04	Monday, August 29, 2011 22:59:29	102	79	82	87
102479.04 MS	Monday, August 29, 2011 23:06:00	99	80	82	87
QC Std 1	Monday, August 29, 2011 23:12:26	86	82	86	89
QC Std 2	Monday, August 29, 2011 23:19:22	87	83	88	91
QC Std 5	Monday, August 29, 2011 23:26:16	84	81	86	89
QC Std 6	Monday, August 29, 2011 23:33:10	91	81	85	89
102479.04 MSD	Monday, August 29, 2011 23:40:11	111	82	84	90
102479.04 MS	Monday, August 29, 2011 23:46:42	96	80	81	84
102479.04 MSD	Monday, August 29, 2011 23:53:14	99	79	82	86
102479.05	Tuesday, August 30, 2011 00:19:22	106	79	84	90
102479.06	Tuesday, August 30, 2011 00:25:53	83	80	88	90
102479.07	Tuesday, August 30, 2011 00:32:24	104	81	85	91
102479.08	Tuesday, August 30, 2011 00:38:56	98	77	82	87

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Internal Standard Summary
EAI SDG 102479

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 1	Tuesday, August 30, 2011 00:45:22	85	79	86	91
QC Std 2	Tuesday, August 30, 2011 00:52:18	80	77	85	87
QC Std 5	Tuesday, August 30, 2011 00:59:12	83	79	88	91
QC Std 6	Tuesday, August 30, 2011 01:06:07	87	78	83	87
102479.09	Tuesday, August 30, 2011 01:13:08	104	76	80	87
102479.1	Tuesday, August 30, 2011 01:19:40	100	75	80	88
102479.11	Tuesday, August 30, 2011 01:26:10	89	74	80	89
102479.13	Tuesday, August 30, 2011 01:32:42	90	76	85	89
102479.14	Tuesday, August 30, 2011 01:39:14	90	77	0	88
102479.15	Tuesday, August 30, 2011 01:45:46	86	77	84	89
102479.16	Tuesday, August 30, 2011 01:52:18	100	75	77	87
102479.16 MS	Tuesday, August 30, 2011 01:58:50	96	76	79	87
102479.16 MSD	Tuesday, August 30, 2011 02:05:22	95	75	78	85
QC Std 1	Tuesday, August 30, 2011 02:18:21	77	76	84	89
QC Std 2	Tuesday, August 30, 2011 02:25:15	80	78	86	90
QC Std 5	Tuesday, August 30, 2011 02:32:10	76	76	85	88
QC Std 6	Tuesday, August 30, 2011 02:39:04	87	76	83	87
102479.01	Tuesday, August 30, 2011 02:59:09	99	78	81	89
102479.02	Tuesday, August 30, 2011 03:05:40	84	73	79	88
102479.03	Tuesday, August 30, 2011 03:12:12	89	73	80	88
102479.04	Tuesday, August 30, 2011 03:18:44	88	72	77	88
102479.04 MS	Tuesday, August 30, 2011 03:25:16	89	73	78	86
102479.04 MSD	Tuesday, August 30, 2011 03:31:48	88	73	79	85
QC Std 1	Tuesday, August 30, 2011 03:51:19	74	73	81	86
QC Std 2	Tuesday, August 30, 2011 03:58:15	76	73	83	87
QC Std 5	Tuesday, August 30, 2011 04:05:09	77	73	82	87
QC Std 6	Tuesday, August 30, 2011 04:12:04	81	74	81	86
102479.05	Tuesday, August 30, 2011 04:25:36	92	73	79	88
102479.06	Tuesday, August 30, 2011 04:32:08	69	73	82	88
102479.09	Tuesday, August 30, 2011 04:38:40	96	72	78	88
BLK	Tuesday, August 30, 2011 04:51:45	76	74	83	89
filter BLK	Tuesday, August 30, 2011 04:58:17	77	72	83	87
Ag LCS	Tuesday, August 30, 2011 05:04:49	76	75	84	88
LCS	Tuesday, August 30, 2011 05:11:21	91	78	85	87
filter LCS	Tuesday, August 30, 2011 05:17:53	88	78	84	87
QC Std 1	Tuesday, August 30, 2011 05:24:20	88	79	86	88
QC Std 2	Tuesday, August 30, 2011 05:31:16	92	79	88	89
QC Std 5	Tuesday, August 30, 2011 05:38:10	92	79	87	89
QC Std 6	Tuesday, August 30, 2011 05:45:05	99	80	86	89
LCS	Tuesday, August 30, 2011 05:52:06	90	83	88	90
102664.01	Tuesday, August 30, 2011 06:18:17	92	82	90	92
102664.02	Tuesday, August 30, 2011 06:24:49	91	80	88	92
102664.03	Tuesday, August 30, 2011 06:31:22	91	80	87	91
102664.04	Tuesday, August 30, 2011 06:37:56	91	79	88	94
102604.01	Tuesday, August 30, 2011 06:44:28	94	79	84	90
102642.01	Tuesday, August 30, 2011 06:51:01	91	78	83	91
QC Std 1	Tuesday, August 30, 2011 06:57:28	90	82	88	94
QC Std 2	Tuesday, August 30, 2011 07:04:24	94	80	88	93
QC Std 5	Tuesday, August 30, 2011 07:11:18	95	81	88	93
QC Std 6	Tuesday, August 30, 2011 07:18:13	113	83	89	93
102648.01	Tuesday, August 30, 2011 07:25:14	105	84	87	93
102648.02	Tuesday, August 30, 2011 07:31:47	104	85	88	93
102648.03	Tuesday, August 30, 2011 07:38:20	108	85	88	92

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Internal Standard Summary
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Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
102648.04	Tuesday, August 30, 2011 07:44:53	116	88	91	95
102648.04 MS	Tuesday, August 30, 2011 07:51:26	120	86	85	92
102648.04 MSD	Tuesday, August 30, 2011 07:57:58	111	85	87	91
102639.01	Tuesday, August 30, 2011 08:24:11	96	88	92	96
QC Std 1	Tuesday, August 30, 2011 08:30:37	106	91	98	97
QC Std 5	Tuesday, August 30, 2011 08:44:27	92	90	96	96
QC Std 6	Tuesday, August 30, 2011 08:51:21	109	90	94	96
102600.05	Tuesday, August 30, 2011 09:07:33	135	91	90	93
102600.06	Tuesday, August 30, 2011 09:14:06	114	90	93	95
102600.07	Tuesday, August 30, 2011 09:20:39	100	90	93	95
102600.08	Tuesday, August 30, 2011 09:27:13	99	89	91	94
102600.09	Tuesday, August 30, 2011 09:33:46	97	89	91	95
QC Std 1	Tuesday, August 30, 2011 09:40:14	92	89	95	94
102600.05	Tuesday, August 30, 2011 09:47:16	121	91	90	94
QC Std 1	Tuesday, August 30, 2011 09:53:44	91	89	92	93
QC Std 2	Tuesday, August 30, 2011 10:00:39	91	89	93	95
QC Std 5	Tuesday, August 30, 2011 10:07:34	93	88	92	95
QC Std 6	Tuesday, August 30, 2011 10:14:28	100	88	90	93
102479.02	Tuesday, August 30, 2011 10:32:22	92	87	91	94
102479.03	Tuesday, August 30, 2011 10:38:55	93	88	92	94
102479.11	Tuesday, August 30, 2011 10:45:28	91	88	91	95
102479.01	Tuesday, August 30, 2011 10:52:02	115	87	90	93
102479.04	Tuesday, August 30, 2011 10:58:35	100	85	88	93
102479.05	Tuesday, August 30, 2011 11:05:08	102	84	90	93
102479.08	Tuesday, August 30, 2011 11:11:42	100	84	89	95
102479.09	Tuesday, August 30, 2011 11:18:15	103	84	87	93
102479.1	Tuesday, August 30, 2011 11:24:49	100	82	88	93
102479.16	Tuesday, August 30, 2011 11:31:23	101	82	87	94
QC Std 1	Tuesday, August 30, 2011 11:37:50	86	83	91	93
QC Std 2	Tuesday, August 30, 2011 11:44:46	87	82	92	93
QC Std 5	Tuesday, August 30, 2011 11:51:40	85	85	93	95
QC Std 6	Tuesday, August 30, 2011 11:58:35	95	83	89	92
102479.04 MS	Tuesday, August 30, 2011 12:05:37	102	83	87	92
102479.04 MSD	Tuesday, August 30, 2011 12:12:10	99	84	88	93
QC Std 1	Tuesday, August 30, 2011 12:38:19	93	101	112	112
QC Std 2	Tuesday, August 30, 2011 12:45:14	89	86	93	94
QC Std 5	Tuesday, August 30, 2011 12:52:09	88	86	93	94
QC Std 6	Tuesday, August 30, 2011 12:59:03	101	85	91	92

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Internal Standard Summary
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Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 1	Wednesday, August 31, 2011 10:21:59	107	98	98	97
QC Std 2	Wednesday, August 31, 2011 10:28:54	110	102	100	99
QC Std 3	Wednesday, August 31, 2011 10:35:49	105	96	97	93
QC Std 5	Wednesday, August 31, 2011 10:42:43	107	98	98	96
QC Std 6	Wednesday, August 31, 2011 10:49:38	120	99	96	94
LLCS	Wednesday, August 31, 2011 11:09:28	93	90	90	90
ICSA	Wednesday, August 31, 2011 11:15:54	121	95	92	92
ICSAB	Wednesday, August 31, 2011 11:22:20	103	95	93	94
5ppm LRC-flush	Wednesday, August 31, 2011 11:28:46	98	94	94	94
102455.06	Wednesday, August 31, 2011 11:41:38	134	99	100	101
102455.05 MS	Wednesday, August 31, 2011 11:48:03	122	95	92	91
102455.05 MSD	Wednesday, August 31, 2011 11:54:28	112	86	83	85
102455.05 MS	Wednesday, August 31, 2011 12:00:53	110	87	83	85
102455.05 MSD	Wednesday, August 31, 2011 12:07:18	113	90	87	84
102455.05 MS	Wednesday, August 31, 2011 12:29:20	123	93	88	88
102455.05 MSD	Wednesday, August 31, 2011 12:35:45	117	89	85	86
QC Std 1	Wednesday, August 31, 2011 12:55:04	100	94	96	93
QC Std 2	Wednesday, August 31, 2011 13:01:59	99	93	96	93
QC Std 5	Wednesday, August 31, 2011 13:08:54	102	94	95	92
QC Std 6	Wednesday, August 31, 2011 13:15:48	109	94	93	92
BLK	Wednesday, August 31, 2011 13:29:18	96	91	95	91
Ag LCS	Wednesday, August 31, 2011 13:35:44	98	93	96	93
Ag LCS	Wednesday, August 31, 2011 13:45:12	92	92	93	90
LCS	Wednesday, August 31, 2011 13:51:39	110	93	92	90
LCS	Wednesday, August 31, 2011 14:05:18	100	89	90	86
102479.01	Wednesday, August 31, 2011 14:31:00	121	91	90	90
102479.02	Wednesday, August 31, 2011 14:37:26	107	90	91	91
102479.03	Wednesday, August 31, 2011 14:43:51	114	87	90	89
102479.04	Wednesday, August 31, 2011 14:50:17	111	89	86	88
102479.05	Wednesday, August 31, 2011 14:56:43	108	83	85	84
102479.06	Wednesday, August 31, 2011 15:03:10	94	90	93	92
102479.07	Wednesday, August 31, 2011 15:09:37	112	92	89	89
102479.08	Wednesday, August 31, 2011 15:16:04	120	90	89	89
102479.09	Wednesday, August 31, 2011 15:22:31	123	93	89	89
QC Std 1	Wednesday, August 31, 2011 15:28:58	96	91	92	89
QC Std 2	Wednesday, August 31, 2011 15:35:53	97	90	90	88
QC Std 5	Wednesday, August 31, 2011 15:42:47	92	87	89	88
QC Std 6	Wednesday, August 31, 2011 15:49:42	106	91	90	89
102479.1	Wednesday, August 31, 2011 15:56:37	120	89	89	90
102479.11	Wednesday, August 31, 2011 16:03:03	108	91	92	90
102479.13	Wednesday, August 31, 2011 16:09:29	109	92	91	90
102479.14	Wednesday, August 31, 2011 16:15:55	104	90	89	86
102479.15	Wednesday, August 31, 2011 16:22:23	99	88	88	86
102479.16	Wednesday, August 31, 2011 16:28:54	118	91	90	91
102479.04 MS	Wednesday, August 31, 2011 16:35:25	108	88	85	83
102479.04 MSD	Wednesday, August 31, 2011 16:41:56	105	88	85	84
102479.04 MS	Wednesday, August 31, 2011 16:48:28	109	87	87	85
102479.04 MSD	Wednesday, August 31, 2011 16:54:59	104	88	85	83
QC Std 1	Wednesday, August 31, 2011 17:01:26	93	86	88	84
QC Std 2	Wednesday, August 31, 2011 17:08:22	93	88	87	87
QC Std 5	Wednesday, August 31, 2011 17:15:16	90	88	86	86
QC Std 6	Wednesday, August 31, 2011 17:22:11	103	87	88	87
102479.16 MS	Wednesday, August 31, 2011 17:36:22	124	95	89	89

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Internal Standard Summary
EAI SDG 102479

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
102479.16 MSD	Wednesday, August 31, 2011 17:42:54	114	97	94	92
102479.04 MS	Wednesday, August 31, 2011 17:55:57	108	87	84	84
102479.04 MSD	Wednesday, August 31, 2011 18:02:28	102	88	82	83
BLK	Wednesday, August 31, 2011 18:28:34	89	88	87	86
Ag LCS	Wednesday, August 31, 2011 18:35:05	88	87	88	87
QC Std 1	Wednesday, August 31, 2011 18:41:31	91	88	89	86
QC Std 2	Wednesday, August 31, 2011 18:48:27	94	89	91	87
QC Std 5	Wednesday, August 31, 2011 18:55:21	93	86	88	87
QC Std 6	Wednesday, August 31, 2011 19:02:16	105	87	88	84

Metals Analysis
Blank Summary
102479

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Blank Summary
EAI SDG 102479
Total & Dissolved Metals

Sample ID: QC Std 1
Sample Date/Time: Monday, August 29, 2011 16:57:19
Sample Description: Blank

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	97.809
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	98.07
In	115		ug/L	98.632
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	100.601
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID: QC Std 1
Sample Date/Time: Monday, August 29, 2011 18:36:18
Sample Description: Blank

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	93.474
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	92.636
In	115		ug/L	93.469
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	91.638
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102479
Total & Dissolved Metals

Sample ID: QC Std 1
Sample Date/Time: Monday, August 29, 2011 20:08:16
Sample Description: Blank

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	86.233
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	89.451
In	115		ug/L	86.564
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	90.662
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID: QC Std 1
Sample Date/Time: Monday, August 29, 2011 21:40:17
Sample Description: Blank

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	81.157
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	87.497
In	115		ug/L	84.349
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	90.052
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102479
Total & Dissolved Metals

Sample ID:	**QC Std 1**	**Sample ID:**	**QC Std 1**
Sample Date/Time:	**Monday, August 29, 2011 23:12:26**	**Sample Date/Time:**	**Tuesday, August 30, 2011 00:45:22**
Sample Description:	**Blank**	**Sample Description:**	**Blank**

Concentration Results				Int Std	Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R	Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L		Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L		Ag	109	< 1	ug/L	
Al	27	< 50	ug/L		Al	27	< 50	ug/L	
As	75	< 1	ug/L		As	75	< 1	ug/L	
Ba	137	< 1	ug/L		Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L		Ba	138	< 1	ug/L	
Be	9	< 1	ug/L		Be	9	< 1	ug/L	
Ca	44	< 50	ug/L		Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L		Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L		Cd	114	< 1	ug/L	
Co	59	< 1	ug/L		Co	59	< 1	ug/L	
Cr	52	< 1	ug/L		Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L		Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L		Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L		Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L		Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L		Fe	57	< 50	ug/L	
Ge	72		ug/L	81.672	Ge	72		ug/L	79.072
Hg	200	< 0.2	ug/L		Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L		Hg	202	< 0.2	ug/L	
Ho	165		ug/L	89.224	Ho	165		ug/L	91.195
In	115		ug/L	86.073	In	115		ug/L	85.679
K	39	< 50	ug/L		K	39	< 50	ug/L	
Mg	24	< 50	ug/L		Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L		Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L		Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L		Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L		Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L		Ni	62	< 1	ug/L	
P	31	< 50	ug/L		P	31	< 50	ug/L	
Pb	208	< 1	ug/L		Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L		Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L		Sb	123	< 1	ug/L	
Sc	45		ug/L	85.932	Sc	45		ug/L	84.701
Se	77	< 1	mg/L		Se	77	< 1	mg/L	
Se	78	< 1	mg/L		Se	78	< 1	mg/L	
Se	82	< 1	mg/L		Se	82	< 1	mg/L	
Tl	205	< 1	ug/L		Tl	205	< 1	ug/L	
V	51	< 1	ug/L		V	51	< 1	ug/L	
Zn	64	< 5	ug/L		Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L		Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L		Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102479
Total & Dissolved Metals

Sample ID:	**QC Std 1**	**Sample ID:**	**QC Std 1**
Sample Date/Time:	**Tuesday, August 30, 2011 02:18:21**	**Sample Date/Time:**	**Tuesday, August 30, 2011 03:51:19**
Sample Description:	**Blank**	**Sample Description:**	**Blank**

Concentration Results				Int Std	Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R	Analyte	Mass	Conc.	Report Unit	% R
Ag	107	1.559936	ug/L		Ag	107	1.411663	ug/L	
Ag	109	1.553796	ug/L		Ag	109	1.394263	ug/L	
Al	27	< 1	ug/L		Al	27	< 1	ug/L	
As	75	< 1	ug/L		As	75	< 1	ug/L	
Ba	137	< 1	ug/L		Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L		Ba	138	< 1	ug/L	
Be	9	< 1	ug/L		Be	9	< 1	ug/L	
Ca	44	< 5	ug/L		Ca	44	< 5	ug/L	
Cd	111	< 5	ug/L		Cd	111	< 5	ug/L	
Cd	114	< 5	ug/L		Cd	114	< 5	ug/L	
Co	59	< 1	ug/L		Co	59	< 1	ug/L	
Cr	52	< 1	ug/L		Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L		Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L		Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L		Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L		Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L		Fe	57	< 50	ug/L	
Ge	72		ug/L	76.325	Ge	72		ug/L	72.734
Hg	200	< 0.2	ug/L		Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L		Hg	202	< 0.2	ug/L	
Ho	165		ug/L	88.843	Ho	165		ug/L	86.126
In	115		ug/L	83.833	In	115		ug/L	81.123
K	39	< 50	ug/L		K	39	< 50	ug/L	
Mg	24	< 50	ug/L		Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L		Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L		Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L		Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L		Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L		Ni	62	< 1	ug/L	
P	31	< 50	ug/L		P	31	< 50	ug/L	
Pb	208	< 1	ug/L		Pb	208	< 1	ug/L	
Sb	121	2.088909	ug/L		Sb	121	1.370565	ug/L	
Sb	123	2.070228	ug/L		Sb	123	1.379991	ug/L	
Sc	45		ug/L	76.886	Sc	45		ug/L	74.254
Se	77	< 1	mg/L		Se	77	< 1	mg/L	
Se	78	< 1	mg/L		Se	78	< 1	mg/L	
Se	82	< 1	mg/L		Se	82	< 1	mg/L	
Tl	205	< 1	ug/L		Tl	205	< 1	ug/L	
V	51	< 1	ug/L		V	51	< 1	ug/L	
Zn	64	< 5	ug/L		Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L		Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L		Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102479
Total & Dissolved Metals

Sample ID:	**QC Std 1**
Sample Date/Time:	**Tuesday, August 30, 2011 05:24:20**
Sample Description:	**Blank**

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	1.204985	ug/L	
Ag	109	1.200889	ug/L	
Al	27	54.151134	ug/L	
As	75	4.930513	ug/L	
Ba	137	4.048979	ug/L	
Ba	138	3.970036	ug/L	
Be	9	3.73247	ug/L	
Ca	44	-25.162107	ug/L	
Cd	111	3.964807	ug/L	
Cd	114	3.848473	ug/L	
Co	59	4.179298	ug/L	
Cr	52	4.499377	ug/L	
Cu	63	4.249586	ug/L	
Cu	65	4.310344	ug/L	
Fe	54	108.365596	ug/L	
Fe	56	94.580178	ug/L	
Fe	57	82.337606	ug/L	
Ge	72		ug/L	78.987
Hg	200	0.011922	ug/L	
Hg	202	0.007256	ug/L	
Ho	165		ug/L	87.952
In	115		ug/L	85.615
K	39	62.173091	ug/L	
Mg	24	58.050093	ug/L	
Mg	25	60.471228	ug/L	
Mn	55	4.148215	ug/L	
Na	23	61.215168	ug/L	
Ni	60	3.813137	ug/L	
Ni	62	3.8574	ug/L	
P	31	60.037613	ug/L	
Pb	208	3.538633	ug/L	
Sb	121	45.537608	ug/L	
Sb	123	45.543267	ug/L	
Sc	45		ug/L	87.695
Se	82	5.415134	mg/L	
Se	77	4.896019	mg/L	
Se	78	1.887901	mg/L	
Tl	205	3.725056	ug/L	
V	51	5.096239	ug/L	
Zn	64	3.499184	ug/L	
Zn	66	3.525986	ug/L	
Zn	68	3.454956	ug/L	

Sample ID:	**QC Std 1**
Sample Date/Time:	**Tuesday, August 30, 2011 06:57:28**
Sample Description:	**Blank**

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	81.564
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	93.58
In	115		ug/L	88.101
K	39	104.548051	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	90.167
Se	82	< 1	mg/L	
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Note: Carryover from Linear Range Ck analyzed directly before blank

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Blank Summary
EAI SDG 102479
Total & Dissolved Metals

Sample ID:	**QC Std 1**
Sample Date/Time:	**Tuesday, August 30, 2011 08:30:37**
Sample Description:	**Blank**

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	123.59308	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	90.957
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	96.856
In	115		ug/L	97.622
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	2.134873	ug/L	
Sb	123	2.155064	ug/L	
Sc	45		ug/L	105.83
Se	82	< 1	mg/L	
Se	77	< 1	mg/L	
Se	78	1.247022	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID:	**QC Std 1**
Sample Date/Time:	**Tuesday, August 30, 2011 09:40:14**
Sample Description:	**Blank**

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	89.174
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	94.378
In	115		ug/L	95.097
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	91.796
Se	82	< 1	mg/L	
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102479
Total & Dissolved Metals

Sample ID:	**QC Std 1**
Sample Date/Time:	**Tuesday, August 30, 2011 09:53:44**
Sample Description:	**Blank**

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	88.886
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	93.158
In	115		ug/L	91.971
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	91.46
Se	82	< 1	mg/L	
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
		< 5		
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	

Sample ID:	**QC Std 1**
Sample Date/Time:	**Tuesday, August 30, 2011 11:37:50**
Sample Description:	**Blank**

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	55.432495	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	82.607
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	92.749
In	115		ug/L	91.421
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	85.673
Se	82	< 1	mg/L	
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
		< 5		
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	

Sample ID: QC Std 1
Sample Date/Time: Tuesday, August 30, 2011 12:38:19
Sample Description: Blank

Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	135.81627	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	101.497
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	111.979
In	115		ug/L	111.755
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	93.36
Se	82	< 1	mg/L	
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
		< 5		
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	

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Blank Summary
EAI SDG 102479
Total & Dissolved Metals

Sample ID: QC Std 1
Sample Date/Time: Wednesday, August 31, 2011 10:21:59
Sample Description: Blank

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	98.292
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	97.403
In	115		ug/L	98.025
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	107.155
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID: QC Std 1
Sample Date/Time: Wednesday, August 31, 2011 12:55:04
Sample Description: Blank

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	93.505
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	93.137
In	115		ug/L	96.297
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	1.08246	ug/L	
Sb	123	1.085502	ug/L	
Sc	45		ug/L	100.082
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102479
Total & Dissolved Metals

Sample ID: QC Std 1
Sample Date/Time: Wednesday, August 31, 2011 15:28:58
Sample Description: Blank

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	91.268
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	89.447
In	115		ug/L	91.994
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	95.642
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID: QC Std 1
Sample Date/Time: Wednesday, August 31, 2011 17:01:26
Sample Description: Blank

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	86.244
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	84.373
In	115		ug/L	87.912
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	8.600026	ug/L	
Sb	123	8.496089	ug/L	
Sc	45		ug/L	92.828
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102479
Total & Dissolved Metals

Sample ID: QC Std 1
Sample Date/Time: Wednesday, August 31, 2011 18:41:31
Sample Description: Blank

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	88.306
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	86.011
In	115		ug/L	89.1
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	90.762
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID: QC Std 1
Sample Date/Time: Wednesday, August 31, 2011 20:14:30
Sample Description: Blank

Concentration Results

Analyte	Mass	Conc.	Report Unit	Int Std % R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	87.333
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	86.794
In	115		ug/L	90.183
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	94.679
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102479
Total & Dissolved Metals

Sample ID: QC Std 1
Sample Date/Time: Wednesday, August 31, 2011 21:47:31
Sample Description: Blank

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	85.419
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	84.9
In	115		ug/L	84.35
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	88.108
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Sample ID: QC Std 1
Sample Date/Time: Wednesday, August 31, 2011 23:20:35
Sample Description: Blank

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	81.714
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	79.075
In	115		ug/L	82.314
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	7.097587	ug/L	
Sb	123	7.078674	ug/L	
Sc	45		ug/L	85.629
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

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Blank Summary
EAI SDG 102479
Total & Dissolved Metals

Sample ID: QC Std 1
Sample Date/Time: Thursday, September 01, 2011 00:34:03
Sample Description: Blank

Concentration Results				Int Std
Analyte	Mass	Conc.	Report Unit	% R
Ag	107	< 1	ug/L	
Ag	109	< 1	ug/L	
Al	27	< 50	ug/L	
As	75	< 1	ug/L	
Ba	137	< 1	ug/L	
Ba	138	< 1	ug/L	
Be	9	< 1	ug/L	
Ca	44	< 50	ug/L	
Cd	111	< 1	ug/L	
Cd	114	< 1	ug/L	
Co	59	< 1	ug/L	
Cr	52	< 1	ug/L	
Cu	63	< 1	ug/L	
Cu	65	< 1	ug/L	
Fe	54	< 50	ug/L	
Fe	56	< 50	ug/L	
Fe	57	< 50	ug/L	
Ge	72		ug/L	86.211
Hg	200	< 0.2	ug/L	
Hg	202	< 0.2	ug/L	
Ho	165		ug/L	85.717
In	115		ug/L	87.521
K	39	< 50	ug/L	
Mg	24	< 50	ug/L	
Mg	25	< 50	ug/L	
Mn	55	< 5	ug/L	
Na	23	< 5000	ug/L	
Ni	60	< 1	ug/L	
Ni	62	< 1	ug/L	
P	31	< 50	ug/L	
Pb	208	< 1	ug/L	
Sb	121	< 1	ug/L	
Sb	123	< 1	ug/L	
Sc	45		ug/L	93.246
Se	77	< 1	mg/L	
Se	78	< 1	mg/L	
Se	82	< 1	mg/L	
Tl	205	< 1	ug/L	
V	51	< 1	ug/L	
Zn	64	< 5	ug/L	
Zn	66	< 5	ug/L	
Zn	68	< 5	ug/L	

Metals Analysis
CV Summary
102479

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Monday, August 29, 2011 17:04:14
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	96.104318	ug/L	95.721		100
As	75	100.28321	ug/L	100.889		100
Ba	137	94.29477	ug/L	93.639		100
Be	9	90.584389	ug/L	89.688		100
Ca	44	57.405093	ug/L	56.893		100
Cd	111	95.48036	ug/L	95.005		100
Cd	114	95.271203	ug/L	94.797		100
Co	59	88.923323	ug/L	88.393		100
Cr	52	88.822477	ug/L	87.943		100
Ge	72		ug/L		98.739	
Hg	200	0.983792	ug/L	98.379		1
Hg	202	0.990849	ug/L	99.085		1
Ho	165		ug/L		96.431	
In	115		ug/L		99.073	
K	39	1011.9271	ug/L	100.89		100
Pb	208	98.760273	ug/L	98.76		100
Sb	121	87.038972	ug/L	86.779		100
Sb	123	86.953622	ug/L	86.694		100
Sc	45		ug/L		101.938	
Tl	205	102.213117	ug/L	102.213		100
V	51	87.099942	ug/L	86.753		100

Sample ID: QC Std 2
Sample Date/Time: Monday, August 29, 2011 18:43:13
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	99.515284	ug/L	99.119		100
As	75	103.588305	ug/L	104.214		100
Ba	137	99.07681	ug/L	98.388		100
Be	9	98.879169	ug/L	97.9		100
Ca	44	54.4224	ug/L	53.937		100
Cd	111	99.461633	ug/L	98.967		100
Cd	114	99.108172	ug/L	98.615		100
Co	59	91.945178	ug/L	91.397		100
Cr	52	91.886775	ug/L	90.977		100
Ge	72		ug/L		92.316	
Hg	200	1.042566	ug/L	104.257		1
Hg	202	1.043782	ug/L	104.378		1
Ho	165		ug/L		90.376	
In	115		ug/L		91.324	
K	39	1056.63998	ug/L	105.348		100
Pb	208	102.260699	ug/L	102.261		100
Sb	121	90.789009	ug/L	90.517		100
Sb	123	91.041357	ug/L	90.769		100
Sc	45		ug/L		94.542	
Tl	205	106.136814	ug/L	106.137		100
V	51	90.137434	ug/L	89.778		100

Sample ID: QC Std 5
Sample Date/Time: Monday, August 29, 2011 17:18:02
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	41.766472	ug/L	83.035		50.3
Ag	109	40.795166	ug/L	81.104		50.3
Ba	137	135.465691	ug/L	96.075		141
Be	9	41.368029	ug/L	97.108		42.6
Cd	111	22.476336	ug/L	96.881		23.2
Cd	114	22.449384	ug/L	96.765		23.2
Co	59	22.293849	ug/L	95.682		23.3
Cr	52	46.622274	ug/L	94.761		49.2
Ge	72		ug/L		94.488	
Ho	165		ug/L		96.004	
In	115		ug/L		95.959	
Mn	55	100.366655	ug/L	94.686		106
Pb	208	103.329768	ug/L	99.356		104
Sc	45		ug/L		95.869	
Tl	205	14.050156	ug/L	98.945		14.2
V	51	23.368607	ug/L	93.85		24.9

Sample ID: QC Std 5
Sample Date/Time: Monday, August 29, 2011 18:50:07
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	51.271689	ug/L	101.932		50.3
Ag	109	55.757643	ug/L	110.85		50.3
Ba	137	144.395707	ug/L	102.408		141
Be	9	44.84871	ug/L	105.279		42.6
Cd	111	23.359296	ug/L	100.687		23.2
Cd	114	23.582133	ug/L	101.647		23.2
Co	59	22.638071	ug/L	97.159		23.3
Cr	52	47.247592	ug/L	96.032		49.2
Ge	72		ug/L		88.142	
Ho	165		ug/L		88.662	
In	115		ug/L		88.181	
Mn	55	102.345301	ug/L	96.552		106
Pb	208	107.221525	ug/L	103.098		104
Sc	45		ug/L		90.813	
Tl	205	14.638597	ug/L	103.089		14.2
V	51	23.806235	ug/L	95.607		24.9

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID: QC Std 6
Sample Date/Time: Monday, August 29, 2011 17:24:57
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	8529.89891	ug/L	85.299		1000
Fe	54	8878.46472	ug/L	88.785		1000
Fe	56	9042.04652	ug/L	90.42		1000
Fe	57	9455.30366	ug/L	94.553		1000
Ge	72		ug/L		94.535	
Ho	165		ug/L		94.436	
In	115		ug/L		94.674	
K	39	9112.82984	ug/L	91.128		1000
Mg	24	9330.55217	ug/L	93.306		1000
Mg	25	9031.54678	ug/L	90.315		1000
Na	23	9153.36666	ug/L	91.534		1000
P	31	9355.24096	ug/L	93.552		1000
Sc	45		ug/L		111.441	

Sample ID: QC Std 6
Sample Date/Time: Monday, August 29, 2011 18:57:02
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	9055.73943	ug/L	90.557		1000
Fe	54	9321.00493	ug/L	93.21		1000
Fe	56	9546.06709	ug/L	95.461		1000
Fe	57	10016.0337	ug/L	100.16		1000
Ge	72		ug/L		90.588	
Ho	165		ug/L		89.923	
In	115		ug/L		88.903	
K	39	9264.77053	ug/L	92.648		1000
Mg	24	9666.41015	ug/L	96.664		1000
Mg	25	9378.7249	ug/L	93.787		1000
Na	23	9528.96506	ug/L	95.29		1000
P	31	9831.50714	ug/L	98.315		1000
Sc	45		ug/L		103.327	

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Monday, August 29, 2011 20:15:12
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	109.219509	ug/L	108.784		100
As	75	106.5637	ug/L	107.207		100
Ba	137	103.729375	ug/L	103.008		100
Be	9	93.528938	ug/L	92.603		100
Ca	44	65.633829	ug/L	65.048		100
Cd	111	101.26283	ug/L	100.759		100
Cd	114	101.359279	ug/L	100.855		100
Co	59	94.273178	ug/L	93.711		100
Cr	52	96.397739	ug/L	95.443		100
Ge	72		ug/L		87.428	
Hg	200	1.013718	ug/L	101.372		1
Hg	202	0.999181	ug/L	99.918		1
Ho	165		ug/L		91.356	
In	115		ug/L		88.955	
K	39	1130.58267	ug/L	112.72		100
Pb	208	100.648049	ug/L	100.648		100
Sb	121	94.331559	ug/L	94.049		100
Sb	123	93.94567	ug/L	93.665		100
Sc	45		ug/L		91.003	
Tl	205	104.845448	ug/L	104.845		100
V	51	95.691783	ug/L	95.311		100

Sample ID: QC Std 2
Sample Date/Time: Monday, August 29, 2011 21:47:12
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	110.524518	ug/L	110.084		100
As	75	107.094015	ug/L	107.74		100
Ba	137	105.710936	ug/L	104.976		100
Be	9	88.512994	ug/L	87.637		100
Ca	44	63.380814	ug/L	62.815		100
Cd	111	100.486576	ug/L	99.987		100
Cd	114	101.663964	ug/L	101.158		100
Co	59	94.06711	ug/L	93.506		100
Cr	52	96.371946	ug/L	95.418		100
Ge	72		ug/L		82.088	
Hg	200	1.045053	ug/L	104.505		1
Hg	202	1.036283	ug/L	103.628		1
Ho	165		ug/L		87.939	
In	115		ug/L		85.727	
K	39	1115.639	ug/L	111.23		100
Pb	208	100.323737	ug/L	100.324		100
Sb	121	96.054073	ug/L	95.767		100
Sb	123	95.056201	ug/L	94.772		100
Sc	45		ug/L		87.273	
Tl	205	106.878527	ug/L	106.879		100
V	51	96.407261	ug/L	96.023		100

Sample ID: QC Std 5
Sample Date/Time: Monday, August 29, 2011 20:22:06
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	56.521028	ug/L	112.368		50.3
Ag	109	55.916044	ug/L	111.165		50.3
Ba	137	148.135779	ug/L	105.061		141
Be	9	40.496818	ug/L	95.063		42.6
Cd	111	23.370761	ug/L	100.736		23.2
Cd	114	23.677451	ug/L	102.058		23.2
Co	59	22.755599	ug/L	97.664		23.3
Cr	52	47.497713	ug/L	96.54		49.2
Ge	72		ug/L		85.49	
Ho	165		ug/L		87.262	
In	115		ug/L		85.708	
Mn	55	100.821881	ug/L	95.115		106
Pb	208	106.898148	ug/L	102.787		104
Sc	45		ug/L		89.714	
Tl	205	14.327222	ug/L	100.896		14.2
V	51	24.4615	ug/L	98.239		24.9

Sample ID: QC Std 5
Sample Date/Time: Monday, August 29, 2011 21:54:06
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	46.819522	ug/L	93.081		50.3
Ag	109	49.909921	ug/L	99.224		50.3
Ba	137	139.519996	ug/L	98.95		141
Be	9	36.067031	ug/L	84.664		42.6
Cd	111	21.675369	ug/L	93.428		23.2
Cd	114	21.957988	ug/L	94.646		23.2
Co	59	21.72469	ug/L	93.239		23.3
Cr	52	45.677377	ug/L	92.84		49.2
Ge	72		ug/L		85.117	
Ho	165		ug/L		90.867	
In	115		ug/L		91.841	
Mn	55	98.735585	ug/L	93.147		106
Pb	208	103.498342	ug/L	99.518		104
Sc	45		ug/L		91.169	
Tl	205	13.972889	ug/L	98.401		14.2
V	51	23.328696	ug/L	93.69		24.9

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID: QC Std 6
Sample Date/Time: Monday, August 29, 2011 20:29:01
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	10263.0712	ug/L	102.631		1000
Fe	54	10044.5513	ug/L	100.446		1000
Fe	56	10132.5824	ug/L	101.326		1000
Fe	57	10574.0878	ug/L	105.741		1000
Ge	72		ug/L		86.86	
Ho	165		ug/L		87.958	
In	115		ug/L		86.295	
K	39	10261.4974	ug/L	102.615		1000
Mg	24	10769.8552	ug/L	107.699		1000
Mg	25	10399.3015	ug/L	103.993		1000
Na	23	10394.7396	ug/L	103.947		1000
P	31	10978.8419	ug/L	109.788		1000
Sc	45		ug/L		95.313	

Sample ID: QC Std 6
Sample Date/Time: Monday, August 29, 2011 22:01:01
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	9350.29093	ug/L	93.503		1000
Fe	54	9798.57749	ug/L	97.986		1000
Fe	56	9392.83934	ug/L	93.928		1000
Fe	57	10037.4969	ug/L	100.375		1000
Ge	72		ug/L		84.707	
Ho	165		ug/L		87.958	
In	115		ug/L		85.991	
K	39	9614.92187	ug/L	96.149		1000
Mg	24	10280.3525	ug/L	102.804		1000
Mg	25	10034.6076	ug/L	100.346		1000
Na	23	9988.66603	ug/L	99.887		1000
P	31	10776.5071	ug/L	107.765		1000
Sc	45		ug/L		98.466	

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Monday, August 29, 2011 23:19:22
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	105.370453	ug/L	104.951		100
As	75	102.946959	ug/L	103.568		100
Ba	137	104.323715	ug/L	103.599		100
Be	9	78.57491	ug/L	77.797		100
Ca	44	47.109268	ug/L	46.689		100
Cd	111	97.306673	ug/L	96.823		100
Cd	114	98.41631	ug/L	97.927		100
Co	59	92.142186	ug/L	91.593		100
Cr	52	95.0597	ug/L	94.119		100
Ge	72		ug/L		82.714	
Hg	200	1.005925	ug/L	100.593		1
Hg	202	1.003171	ug/L	100.317		1
Ho	165		ug/L		90.6	
In	115		ug/L		88.135	
K	39	1107.34583	ug/L	110.403		100
Pb	208	98.132549	ug/L	98.133		100
Sb	121	93.096908	ug/L	92.818		100
Sb	123	92.931887	ug/L	92.654		100
Sc	45		ug/L		86.927	
Tl	205	105.203384	ug/L	105.203		100
V	51	93.855121	ug/L	93.481		100

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 30, 2011 00:52:18
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	108.099	ug/L	107.668		100
As	75	106.924209	ug/L	107.57		100
Ba	137	109.302039	ug/L	108.542		100
Be	9	73.701732	ug/L	72.972		100
Ca	44	46.44961	ug/L	46.035		100
Cd	111	99.090242	ug/L	98.597		100
Cd	114	100.020942	ug/L	99.523		100
Co	59	95.125	ug/L	94.558		100
Cr	52	98.648019	ug/L	97.671		100
Ge	72		ug/L		76.943	
Hg	200	1.042783	ug/L	104.278		1
Hg	202	1.012111	ug/L	101.211		1
Ho	165		ug/L		87.351	
In	115		ug/L		84.505	
K	39	1116.95393	ug/L	111.361		100
Pb	208	98.705547	ug/L	98.706		100
Sb	121	95.791774	ug/L	95.505		100
Sb	123	95.731383	ug/L	95.445		100
Sc	45		ug/L		80.237	
Tl	205	110.323469	ug/L	110.323		100
V	51	97.090441	ug/L	96.704		100

Sample ID: QC Std 5
Sample Date/Time: Monday, August 29, 2011 23:26:16
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	51.633384	ug/L	102.651		50.3
Ag	109	53.724716	ug/L	106.809		50.3
Ba	137	150.415314	ug/L	106.678		141
Be	9	35.154063	ug/L	82.521		42.6
Cd	111	22.850628	ug/L	98.494		23.2
Cd	114	23.087551	ug/L	99.515		23.2
Co	59	22.724322	ug/L	97.529		23.3
Cr	52	48.764358	ug/L	99.115		49.2
Ge	72		ug/L		80.934	
Ho	165		ug/L		89.012	
In	115		ug/L		86.477	
Mn	55	102.239973	ug/L	96.453		106
Pb	208	106.976059	ug/L	102.862		104
Sc	45		ug/L		84.097	
Tl	205	14.344857	ug/L	101.02		14.2
V	51	25.081071	ug/L	100.727		24.9

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 30, 2011 00:59:12
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	50.595508	ug/L	100.587		50.3
Ag	109	52.852517	ug/L	105.075		50.3
Ba	137	148.02382	ug/L	104.981		141
Be	9	30.832217	ug/L	72.376		42.6
Cd	111	21.971426	ug/L	94.704		23.2
Cd	114	22.385658	ug/L	96.49		23.2
Co	59	22.309018	ug/L	95.747		23.3
Cr	52	47.431806	ug/L	96.406		49.2
Ge	72		ug/L		78.821	
Ho	165		ug/L		90.845	
In	115		ug/L		87.751	
Mn	55	99.949866	ug/L	94.292		106
Pb	208	104.44187	ug/L	100.425		104
Sc	45		ug/L		82.733	
Tl	205	13.832316	ug/L	97.411		14.2
V	51	24.443347	ug/L	98.166		24.9

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID:	QC Std 6	Sample ID:	QC Std 6
Sample Date/Time:	Monday, August 29, 2011 23:33:10	Sample Date/Time:	Tuesday, August 30, 2011 01:06:07
Sample Description:	CV-Minerals	Sample Description:	CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	9947.66487	ug/L	99.477		1000
Fe	54	10540.8022	ug/L	105.408		1000
Fe	56	10263.4076	ug/L	102.634		1000
Fe	57	10829.1705	ug/L	108.292		1000
Ge	72		ug/L		81.29	
Ho	165		ug/L		88.97	
In	115		ug/L		84.87	
K	39	10326.9617	ug/L	103.27		1000
Mg	24	10898.1199	ug/L	108.981		1000
Mg	25	10961.1825	ug/L	109.612		1000
Na	23	10854.0912	ug/L	108.541		1000
P	31	11526.5833	ug/L	115.266		1000
Sc	45		ug/L		90.763	

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	10173.1668	ug/L	101.732		1000
Fe	54	10293.6974	ug/L	102.937		1000
Fe	56	10304.6029	ug/L	103.046		1000
Fe	57	11291.5347	ug/L	112.915		1000
Ge	72		ug/L		77.88	
Ho	165		ug/L		86.806	
In	115		ug/L		82.773	
K	39	10452.5487	ug/L	104.525		1000
Mg	24	10767.4173	ug/L	107.674		1000
Mg	25	10700.4126	ug/L	107.004		1000
Na	23	10469.356	ug/L	104.694		1000
P	31	11766.0396	ug/L	117.66		1000
Sc	45		ug/L		87.101	

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 30, 2011 02:25:15
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	104.83168	ug/L	104.414		100
As	75	102.6169	ug/L	103.236		100
Ba	137	106.110312	ug/L	105.373		100
Be	9	68.585489	ug/L	67.906		100
Ca	44	38.429077	ug/L	38.086		100
Cd	111	93.731654	ug/L	93.265		100
Cd	114	96.164277	ug/L	95.686		100
Co	59	94.159054	ug/L	93.597		100
Cr	52	97.374277	ug/L	96.41		100
Ge	72		ug/L		77.724	
Hg	200	1.008094	ug/L	100.809		1
Hg	202	0.981392	ug/L	98.139		1
Ho	165		ug/L		90.168	
In	115		ug/L		86.337	
K	39	1082.76437	ug/L	107.953		100
Pb	208	94.751037	ug/L	94.751		100
Sb	121	92.803954	ug/L	92.526		100
Sb	123	92.374074	ug/L	92.098		100
Sc	45		ug/L		80.265	
Tl	205	106.17246	ug/L	106.172		100
V	51	96.39353	ug/L	96.009		100

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 30, 2011 03:58:15
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	104.783239	ug/L	104.366		100
As	75	105.621554	ug/L	106.259		100
Ba	137	110.958814	ug/L	110.188		100
Be	9	68.430462	ug/L	67.753		100
Ca	44	47.611175	ug/L	47.186		100
Cd	111	96.964069	ug/L	96.482		100
Cd	114	98.29325	ug/L	97.804		100
Co	59	96.40873	ug/L	95.834		100
Cr	52	100.838589	ug/L	99.84		100
Ge	72		ug/L		73.155	
Hg	200	0.984668	ug/L	98.467		1
Hg	202	1.00363	ug/L	100.363		1
Ho	165		ug/L		86.721	
In	115		ug/L		82.742	
K	39	1098.50734	ug/L	109.522		100
Pb	208	97.900014	ug/L	97.9		100
Sb	121	95.332519	ug/L	95.047		100
Sb	123	96.057562	ug/L	95.77		100
Sc	45		ug/L		76.005	
Tl	205	108.763828	ug/L	108.764		100
V	51	98.84154	ug/L	98.448		100

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 30, 2011 02:32:10
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	51.39632	ug/L	102.18		50.3
Ag	109	50.926114	ug/L	101.245		50.3
Ba	137	151.35572	ug/L	107.344		141
Be	9	31.479528	ug/L	73.896		42.6
Cd	111	21.992241	ug/L	94.794		23.2
Cd	114	22.419916	ug/L	96.638		23.2
Co	59	23.562956	ug/L	101.129		23.3
Cr	52	50.396669	ug/L	102.432		49.2
Ge	72		ug/L		76.098	
Ho	165		ug/L		88.402	
In	115		ug/L		85.141	
Mn	55	105.307299	ug/L	99.347		106
Pb	208	106.19133	ug/L	102.107		104
Sc	45		ug/L		76.483	
Tl	205	13.945575	ug/L	98.208		14.2
V	51	26.030463	ug/L	104.54		24.9

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 30, 2011 04:05:09
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	48.401712	ug/L	96.226		50.3
Ag	109	55.097347	ug/L	109.537		50.3
Ba	137	155.439825	ug/L	110.241		141
Be	9	28.956875	ug/L	67.974		42.6
Cd	111	22.64481	ug/L	97.607		23.2
Cd	114	22.835153	ug/L	98.427		23.2
Co	59	22.826606	ug/L	97.968		23.3
Cr	52	48.70703	ug/L	98.998		49.2
Ge	72		ug/L		73.06	
Ho	165		ug/L		86.712	
In	115		ug/L		82.021	
Mn	55	101.832237	ug/L	96.068		106
Pb	208	107.643165	ug/L	103.503		104
Sc	45		ug/L		76.969	
Tl	205	14.311182	ug/L	100.783		14.2
V	51	24.872863	ug/L	99.891		24.9

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 30, 2011 02:39:04
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	10154.087	ug/L	101.541		1000
Fe	54	10412.8208	ug/L	104.128		1000
Fe	56	10350.3021	ug/L	103.503		1000
Fe	57	10834.9453	ug/L	108.349		1000
Ge	72		ug/L		76.459	
Ho	165		ug/L		87.073	
In	115		ug/L		82.931	
K	39	10218.0895	ug/L	102.181		1000
Mg	24	10506.4462	ug/L	105.064		1000
Mg	25	10770.5778	ug/L	107.706		1000
Na	23	10418.6353	ug/L	104.186		1000
P	31	11768.0152	ug/L	117.68		1000
Sc	45		ug/L		86.779	

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 30, 2011 04:12:04
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	10439.6773	ug/L	104.397		1000
Fe	54	11004.1253	ug/L	110.041		1000
Fe	56	10820.4812	ug/L	108.205		1000
Fe	57	11406.7627	ug/L	114.068		1000
Ge	72		ug/L		74.355	
Ho	165		ug/L		86.176	
In	115		ug/L		80.624	
K	39	10192.2272	ug/L	101.922		1000
Mg	24	10959.7907	ug/L	109.598		1000
Mg	25	11037.4875	ug/L	110.375		1000
Na	23	10554.1217	ug/L	105.541		1000
P	31	11804.4063	ug/L	118.044		1000
Sc	45		ug/L		80.89	

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 30, 2011 05:31:16
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	99.870766	ug/L	99.473		100
As	75	106.080004	ug/L	106.72		100
Ba	137	107.355399	ug/L	106.609		100
Be	9	63.374892	ug/L	62.747		100
Ca	44	17.719894	ug/L	17.562		100
Cd	111	98.411199	ug/L	97.922		100
Cd	114	100.270774	ug/L	99.772		100
Co	59	87.743588	ug/L	87.22		100
Cr	52	91.206732	ug/L	90.304		100
Ge	72		ug/L		78.853	
Hg	200	1.005624	ug/L	100.562		1
Hg	202	0.991091	ug/L	99.109		1
Ho	165		ug/L		89.484	
In	115		ug/L		87.616	
K	39	1013.46432	ug/L	101.043		100
Pb	208	104.68614	ug/L	104.686		100
Sb	121	107.74828	ug/L	107.426		100
Sb	123	107.936511	ug/L	107.614		100
Sc	45		ug/L		92.496	
Tl	205	109.950475	ug/L	109.95		100
V	51	89.496122	ug/L	89.14		100

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 30, 2011 07:04:24
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	92.346973	ug/L	91.979		100
As	75	106.379511	ug/L	107.022		100
Ba	137	109.771721	ug/L	109.009		100
Be	9	57.280719	ug/L	56.714		100
Ca	44	6.825487	ug/L	6.765		100
Cd	111	98.386115	ug/L	97.897		100
Cd	114	99.047101	ug/L	98.554		100
Co	59	85.837845	ug/L	85.326		100
Cr	52	88.04674	ug/L	87.175		100
Ge	72		ug/L		80.168	
Hg	200	0.994451	ug/L	99.445		1
Hg	202	0.978632	ug/L	97.863		1
Ho	165		ug/L		93.325	
In	115		ug/L		87.802	
K	39	956.361008	ug/L	95.35		100
Pb	208	103.940932	ug/L	103.941		100
Sb	121	95.944343	ug/L	95.657		100
Sb	123	95.765549	ug/L	95.479		100
Sc	45		ug/L		94.349	
Tl	205	109.024073	ug/L	109.024		100
V	51	86.24897	ug/L	85.905		100

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 30, 2011 05:38:10
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	49.434813	ug/L	98.28		50.3
Ag	109	52.066288	ug/L	103.512		50.3
Ba	137	155.945568	ug/L	110.6		141
Be	9	27.602996	ug/L	64.796		42.6
Cd	111	23.297791	ug/L	100.422		23.2
Cd	114	23.580973	ug/L	101.642		23.2
Co	59	21.407832	ug/L	91.879		23.3
Cr	52	45.382866	ug/L	92.242		49.2
Ge	72		ug/L		79.258	
Ho	165		ug/L		89.359	
In	115		ug/L		86.614	
Mn	55	94.526594	ug/L	89.176		106
Pb	208	109.382525	ug/L	105.176		104
Sc	45		ug/L		92.225	
Tl	205	14.727153	ug/L	103.712		14.2
V	51	22.654304	ug/L	90.981		24.9

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 30, 2011 07:11:18
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	49.598112	ug/L	98.605		50.3
Ag	109	52.629974	ug/L	104.632		50.3
Ba	137	155.67877	ug/L	110.41		141
Be	9	24.902248	ug/L	58.456		42.6
Cd	111	22.253678	ug/L	95.921		23.2
Cd	114	22.97713	ug/L	99.039		23.2
Co	59	20.748338	ug/L	89.049		23.3
Cr	52	43.698013	ug/L	88.817		49.2
Ge	72		ug/L		80.741	
Ho	165		ug/L		92.565	
In	115		ug/L		87.819	
Mn	55	91.240736	ug/L	86.076		106
Pb	208	107.806187	ug/L	103.66		104
Sc	45		ug/L		94.552	
Tl	205	14.590824	ug/L	102.752		14.2
V	51	22.107767	ug/L	88.786		24.9

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID:	**QC Std 6**	**Sample ID:**	**QC Std 6**
Sample Date/Time:	**Tuesday, August 30, 2011 05:45:05**	**Sample Date/Time:**	**Tuesday, August 30, 2011 07:18:13**
Sample Description:	**CV-Minerals**	**Sample Description:**	**CV-Minerals**

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	9432.24546	ug/L	94.322		1000
Fe	54	9867.52566	ug/L	98.675		1000
Fe	56	9722.61076	ug/L	97.226		1000
Fe	57	10246.7403	ug/L	102.467		1000
Ge	72		ug/L		80.052	
Ho	165		ug/L		88.574	
In	115		ug/L		86.097	
K	39	9339.48902	ug/L	93.395		1000
Mg	24	9889.2069	ug/L	98.892		1000
Mg	25	10071.0152	ug/L	100.71		1000
Na	23	9770.29805	ug/L	97.703		1000
P	31	10625.7017	ug/L	106.257		1000
Sc	45		ug/L		98.52	

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	8344.51347	ug/L	83.445		1000
Fe	54	8788.99061	ug/L	87.89		1000
Fe	56	8672.12255	ug/L	86.721		1000
Fe	57	9065.11961	ug/L	90.651		1000
Ge	72		ug/L		82.528	
Ho	165		ug/L		93.067	
In	115		ug/L		89.013	
K	39	8460.92679	ug/L	84.609		1000
Mg	24	8406.8469	ug/L	84.068		1000
Mg	25	8471.41868	ug/L	84.714		1000
Na	23	8261.77557	ug/L	82.618		1000
P	31	9344.45382	ug/L	93.445		1000
Sc	45		ug/L		112.557	

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 30, 2011 10:00:39
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	107.098042	ug/L	106.671		100
As	75	100.88073	ug/L	101.49		100
Ba	137	102.887032	ug/L	102.172		100
Be	9	74.721358	ug/L	73.982		100
Ca	44	23.602706	ug/L	23.392		100
Cd	111	95.869507	ug/L	95.393		100
Cd	114	97.575327	ug/L	97.09		100
Co	59	95.964356	ug/L	95.392		100
Cr	52	97.523219	ug/L	96.558		100
Ge	72		ug/L		88.724	
Hg	200	0.960678	ug/L	96.068		1
Hg	202	0.947737	ug/L	94.774		1
Ho	165		ug/L		94.87	
In	115		ug/L		92.958	
K	39	1144.57412	ug/L	114.115		100
Pb	208	100.270161	ug/L	100.27		100
Sb	121	90.977052	ug/L	90.705		100
Sb	123	90.845077	ug/L	90.573		100
Sc	45		ug/L		90.618	
Tl	205	107.524044	ug/L	107.524		100
V	51	96.155177	ug/L	95.772		100

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 30, 2011 08:44:27
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	40.930996	ug/L	81.374		50.3
Ag	109	43.880378	ug/L	87.237		50.3
Ba	137	145.015198	ug/L	102.848		141
Be	9	29.722276	ug/L	69.771		42.6
Cd	111	22.230909	ug/L	95.823		23.2
Cd	114	22.420709	ug/L	96.641		23.2
Co	59	22.95785	ug/L	98.532		23.3
Cr	52	48.857116	ug/L	99.303		49.2
Ge	72		ug/L		90.11	
Ho	165		ug/L		96.253	
In	115		ug/L		96.115	
Mn	55	102.437555	ug/L	96.639		106
Pb	208	105.346328	ug/L	101.295		104
Sc	45		ug/L		91.831	
Tl	205	14.124239	ug/L	99.466		14.2
V	51	24.173496	ug/L	97.082		24.9

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 30, 2011 10:07:34
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	48.22925	ug/L	95.883		50.3
Ag	109	42.032579	ug/L	83.564		50.3
Ba	137	148.770872	ug/L	105.511		141
Be	9	31.322544	ug/L	73.527		42.6
Cd	111	22.85528	ug/L	98.514		23.2
Cd	114	23.162647	ug/L	99.839		23.2
Co	59	22.489179	ug/L	96.52		23.3
Cr	52	47.964313	ug/L	97.488		49.2
Ge	72		ug/L		88.11	
Ho	165		ug/L		95.042	
In	115		ug/L		92.401	
Mn	55	101.673651	ug/L	95.919		106
Pb	208	106.072175	ug/L	101.992		104
Sc	45		ug/L		93.216	
Tl	205	13.966603	ug/L	98.356		14.2
V	51	23.567302	ug/L	94.648		24.9

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID:	**QC Std 6**	**Sample ID:**	**QC Std 6**
Sample Date/Time:	**Tuesday, August 30, 2011 08:51:21**	**Sample Date/Time:**	**Tuesday, August 30, 2011 10:14:28**
Sample Description:	**CV-Minerals**	**Sample Description:**	**CV-Minerals**

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	9211.08108	ug/L	92.111		1000
Fe	54	9521.00876	ug/L	95.21		1000
Fe	56	9761.6459	ug/L	97.616		1000
Fe	57	10190.7837	ug/L	101.908		1000
Ge	72		ug/L		89.585	
Ho	165		ug/L		95.625	
In	115		ug/L		93.846	
K	39	9476.13221	ug/L	94.761		1000
Mg	24	9720.75667	ug/L	97.208		1000
Mg	25	9586.49019	ug/L	95.865		1000
Na	23	9485.74184	ug/L	94.857		1000
P	31	10432.8219	ug/L	104.328		1000
Sc	45		ug/L		108.617	

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	10104.6812	ug/L	101.047		1000
Fe	54	10544.0878	ug/L	105.441		1000
Fe	56	10397.6843	ug/L	103.977		1000
Fe	57	10811.6413	ug/L	108.116		1000
Ge	72		ug/L		87.693	
Ho	165		ug/L		93.282	
In	115		ug/L		90.145	
K	39	10208.2137	ug/L	102.082		1000
Mg	24	10536.8772	ug/L	105.369		1000
Mg	25	10488.1967	ug/L	104.882		1000
Na	23	10339.1234	ug/L	103.391		1000
P	31	11393.4313	ug/L	113.934		1000
Sc	45		ug/L		99.595	

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 30, 2011 11:44:46
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	102.925153	ug/L	102.515		100
As	75	106.156253	ug/L	106.797		100
Ba	137	105.493776	ug/L	104.76		100
Be	9	68.444907	ug/L	67.767		100
Ca	44	21.177391	ug/L	20.988		100
Cd	111	97.662331	ug/L	97.176		100
Cd	114	98.762553	ug/L	98.271		100
Co	59	95.156665	ug/L	94.589		100
Cr	52	97.903505	ug/L	96.934		100
Ge	72		ug/L		82.397	
Hg	200	0.982432	ug/L	98.243		1
Hg	202	0.979834	ug/L	97.983		1
Ho	165		ug/L		93.378	
In	115		ug/L		91.767	
K	39	1104.35093	ug/L	110.105		100
Pb	208	103.302883	ug/L	103.303		100
Sb	121	92.117313	ug/L	91.842		100
Sb	123	92.36101	ug/L	92.085		100
Sc	45		ug/L		87.379	
Tl	205	109.929968	ug/L	109.93		100
V	51	94.882938	ug/L	94.505		100

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 30, 2011 12:45:14
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	108.689879	ug/L	108.257		100
As	75	102.66873	ug/L	103.288		100
Ba	137	102.575386	ug/L	101.862		100
Be	9	71.428749	ug/L	70.722		100
Ca	44	21.022596	ug/L	20.835		100
Cd	111	96.007348	ug/L	95.53		100
Cd	114	98.064695	ug/L	97.577		100
Co	59	94.738009	ug/L	94.173		100
Cr	52	96.654689	ug/L	95.698		100
Ge	72		ug/L		85.771	
Hg	200	0.954199	ug/L	95.42		1
Hg	202	0.940733	ug/L	94.073		1
Ho	165		ug/L		93.908	
In	115		ug/L		92.912	
K	39	1104.76318	ug/L	110.146		100
Pb	208	100.850208	ug/L	100.85		100
Sb	121	90.473957	ug/L	90.203		100
Sb	123	91.168545	ug/L	90.896		100
Sc	45		ug/L		88.774	
Tl	205	107.68258	ug/L	107.683		100
V	51	95.445812	ug/L	95.066		100

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 30, 2011 11:51:40
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	41.666217	ug/L	82.835		50.3
Ag	109	47.745542	ug/L	94.922		50.3
Ba	137	145.399706	ug/L	103.12		141
Be	9	30.267549	ug/L	71.051		42.6
Cd	111	22.065936	ug/L	95.112		23.2
Cd	114	22.246467	ug/L	95.89		23.2
Co	59	23.103071	ug/L	99.155		23.3
Cr	52	48.905759	ug/L	99.402		49.2
Ge	72		ug/L		84.528	
Ho	165		ug/L		94.955	
In	115		ug/L		92.797	
Mn	55	103.300584	ug/L	97.453		106
Pb	208	104.784056	ug/L	100.754		104
Sc	45		ug/L		85.253	
Tl	205	13.730896	ug/L	96.696		14.2
V	51	24.545446	ug/L	98.576		24.9

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 30, 2011 12:52:09
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	45.739129	ug/L	90.933		50.3
Ag	109	49.153108	ug/L	97.72		50.3
Ba	137	144.299278	ug/L	102.34		141
Be	9	31.291633	ug/L	73.455		42.6
Cd	111	22.19547	ug/L	95.67		23.2
Cd	114	22.59975	ug/L	97.413		23.2
Co	59	22.984338	ug/L	98.645		23.3
Cr	52	48.251706	ug/L	98.073		49.2
Ge	72		ug/L		86.039	
Ho	165		ug/L		93.668	
In	115		ug/L		93.146	
Mn	55	102.803231	ug/L	96.984		106
Pb	208	104.937675	ug/L	100.902		104
Sc	45		ug/L		87.959	
Tl	205	13.733538	ug/L	96.715		14.2
V	51	24.304523	ug/L	97.609		24.9

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID:	**QC Std 6**	**Sample ID:**	**QC Std 6**
Sample Date/Time:	**Tuesday, August 30, 2011 11:58:35**	**Sample Date/Time:**	**Tuesday, August 30, 2011 12:59:03**
Sample Description:	**CV-Minerals**	**Sample Description:**	**CV-Minerals**

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	10098.7944	ug/L	100.988		1000
Fe	54	10632.4244	ug/L	106.324		1000
Fe	56	10364.983	ug/L	103.65		1000
Fe	57	10895.1093	ug/L	108.951		1000
Ge	72		ug/L		83.428	
Ho	165		ug/L		91.633	
In	115		ug/L		88.866	
K	39	10143.3081	ug/L	101.433		1000
Mg	24	10519.767	ug/L	105.198		1000
Mg	25	10453.9229	ug/L	104.539		1000
Na	23	10319.3973	ug/L	103.194		1000
P	31	11653.3708	ug/L	116.534		1000
Sc	45		ug/L		94.541	

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ca	44	9412.21178	ug/L	94.122		1000
Fe	54	10066.1165	ug/L	100.661		1000
Fe	56	9986.97928	ug/L	99.87		1000
Fe	57	10554.0534	ug/L	105.541		1000
Ge	72		ug/L		84.981	
Ho	165		ug/L		92.274	
In	115		ug/L		91.242	
K	39	9419.95528	ug/L	94.2		1000
Mg	24	10056.7092	ug/L	100.567		1000
Mg	25	10141.3268	ug/L	101.413		1000
Na	23	9912.1189	ug/L	99.121		1000
P	31	11088.517	ug/L	110.885		1000
Sc	45		ug/L		101.256	

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 31, 2011 10:28:54
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	101.270111	ug/L	100.867		100
As	75	100.230728	ug/L	100.836		100
Ba	137	97.493682	ug/L	96.816		100
Be	9	93.359953	ug/L	92.436		100
Cd	111	98.532983	ug/L	98.043		100
Cd	114	96.482183	ug/L	96.002		100
Co	59	90.669029	ug/L	90.128		100
Cr	52	91.0548	ug/L	90.153		100
Cu	63	89.087735	ug/L	89.177		100
Cu	65	89.840218	ug/L	89.93		100
Ge	72		ug/L		102.321	
Hg	200	1.068997	ug/L	106.9		1
Hg	202	1.030688	ug/L	103.069		1
Ho	165		ug/L		99.289	
In	115		ug/L		100.206	
K	39	1152.47513	ug/L	114.903		100
Mn	55	89.176332	ug/L	88.821		100
Ni	60	90.429057	ug/L	89.711		100
Ni	62	90.23971	ug/L	89.524		100
Pb	208	99.359127	ug/L	99.359		100
Sb	121	94.620262	ug/L	94.337		100
Sb	123	93.873842	ug/L	93.593		100
Sc	45		ug/L		110.286	
Se	77	102.813941	mg/L	102.609		100
Se	78	101.092804	mg/L	100.891		100
Se	82	105.262294	mg/L	105.052		100
Zn	64	85.353022	ug/L	84.76		100
Zn	66	86.214318	ug/L	85.615		100
Zn	68	87.14722	ug/L	86.541		100

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 31, 2011 13:01:59
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	105.982468	ug/L	105.56		100
As	75	101.990284	ug/L	102.606		100
Ba	137	95.931519	ug/L	95.265		100
Be	9	99.593963	ug/L	98.608		100
Cd	111	99.248706	ug/L	98.755		100
Cd	114	97.72921	ug/L	97.243		100
Co	59	95.905784	ug/L	95.334		100
Cr	52	95.517433	ug/L	94.572		100
Cu	63	92.756121	ug/L	92.849		100
Cu	65	96.34406	ug/L	96.441		100
Ge	72		ug/L		93.342	
Hg	200	1.072437	ug/L	107.244		1
Hg	202	1.064273	ug/L	106.427		1
Ho	165		ug/L		93.193	
In	115		ug/L		96.224	
K	39	1236.74319	ug/L	123.304		100
Mn	55	94.365032	ug/L	93.989		100
Ni	60	93.546896	ug/L	92.804		100
Ni	62	95.79805	ug/L	95.038		100
Pb	208	99.065432	ug/L	99.065		100
Sb	121	97.475234	ug/L	97.184		100
Sb	123	97.009536	ug/L	96.719		100
Sc	45		ug/L		99.144	
Se	77	98.13973	mg/L	97.944		100
Se	78	95.374214	mg/L	95.184		100
Se	82	99.149675	mg/L	98.952		100
Zn	64	89.537079	ug/L	88.915		100
Zn	66	90.587125	ug/L	89.957		100
Zn	68	91.004748	ug/L	90.372		100

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 31, 2011 10:42:43
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	49.177015	ug/L	97.767		50.3
Ag	109	44.211847	ug/L	87.896		50.3
Cu	63	69.968358	ug/L	89.474		78.2
Cu	65	71.223684	ug/L	91.079		78.2
Ge	72		ug/L		98.394	
Ho	165		ug/L		95.846	
In	115		ug/L		97.746	
Mn	55	96.795665	ug/L	91.317		106
Ni	60	186.937639	ug/L	91.636		204
Ni	62	186.280175	ug/L	91.314		204
Sc	45		ug/L		106.878	
Se	77	169.925094	mg/L	106.203		160
Se	78	162.463901	mg/L	101.54		160
Se	82	168.384288	mg/L	105.24		160
Tl	205	14.325507	ug/L	100.884		14.2
V	51	22.598463	ug/L	90.757		24.9
Zn	64	89.578254	ug/L	85.313		105
Zn	66	92.661468	ug/L	88.249		105
Zn	68	93.454695	ug/L	89.004		105

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 31, 2011 13:08:54
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	46.893454	ug/L	93.228		50.3
Ag	109	46.630644	ug/L	92.705		50.3
Cu	63	72.017671	ug/L	92.094		78.2
Cu	65	72.499416	ug/L	92.71		78.2
Ge	72		ug/L		93.706	
Ho	165		ug/L		91.502	
In	115		ug/L		95.302	
Mn	55	98.854884	ug/L	93.259		106
Ni	60	188.643619	ug/L	92.472		204
Ni	62	187.55528	ug/L	91.939		204
Sc	45		ug/L		102.072	
Se	77	159.027005	mg/L	99.392		160
Se	78	158.592091	mg/L	99.12		160
Se	82	163.678469	mg/L	102.299		160
Tl	205	15.205228	ug/L	107.079		14.2
V	51	23.176563	ug/L	93.079		24.9
Zn	64	93.546758	ug/L	89.092		105
Zn	66	93.919634	ug/L	89.447		105
Zn	68	95.275922	ug/L	90.739		105

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Calibration Verification (CV) Summary
EAI SDG 102479
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 31, 2011 15:35:53
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	104.529629	ug/L	104.113		100
As	75	105.244533	ug/L	105.88		100
Ba	137	102.405174	ug/L	101.693		100
Be	9	99.623983	ug/L	98.638		100
Cd	111	102.062574	ug/L	101.555		100
Cd	114	100.833914	ug/L	100.332		100
Co	59	94.755234	ug/L	94.19		100
Cr	52	95.442279	ug/L	94.497		100
Cu	63	93.089795	ug/L	93.183		100
Cu	65	92.354596	ug/L	92.447		100
Ge	72		ug/L		90.395	
Hg	200	1.116136	ug/L	111.614		1
Hg	202	1.110453	ug/L	111.045		1
Ho	165		ug/L		88.16	
In	115		ug/L		89.862	
K	39	1236.95801	ug/L	123.326		100
Mn	55	93.035163	ug/L	92.665		100
Ni	60	94.031655	ug/L	93.285		100
Ni	62	94.62506	ug/L	93.874		100
Pb	208	102.123639	ug/L	102.124		100
Sb	121	100.464062	ug/L	100.164		100
Sb	123	100.519808	ug/L	100.219		100
Sc	45		ug/L		96.691	
Se	77	93.193468	mg/L	93.007		100
Se	78	90.646961	mg/L	90.466		100
Se	82	95.488171	mg/L	95.298		100
Zn	64	92.385653	ug/L	91.743		100
Zn	66	90.365191	ug/L	89.737		100
Zn	68	91.992683	ug/L	91.353		100

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 31, 2011 17:08:22
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	107.707366	ug/L	107.278		100
As	75	104.468752	ug/L	105.099		100
Ba	137	102.507032	ug/L	101.794		100
Be	9	97.977709	ug/L	97.008		100
Cd	111	102.621716	ug/L	102.111		100
Cd	114	100.860575	ug/L	100.359		100
Co	59	97.198091	ug/L	96.618		100
Cr	52	97.110385	ug/L	96.149		100
Cu	63	95.224349	ug/L	95.32		100
Cu	65	97.400286	ug/L	97.498		100
Ge	72		ug/L		88.102	
Hg	200	1.090262	ug/L	109.026		1
Hg	202	1.09502	ug/L	109.502		1
Ho	165		ug/L		86.506	
In	115		ug/L		86.825	
K	39	1266.38218	ug/L	126.259		100
Mn	55	94.872422	ug/L	94.494		100
Ni	60	96.399355	ug/L	95.634		100
Ni	62	95.183818	ug/L	94.428		100
Pb	208	98.352374	ug/L	98.352		100
Sb	121	105.589988	ug/L	105.274		100
Sb	123	105.511299	ug/L	105.196		100
Sc	45		ug/L		93.271	
Se	77	89.033948	mg/L	88.856		100
Se	78	85.038761	mg/L	84.869		100
Se	82	91.91833	mg/L	91.735		100
Zn	64	94.263922	ug/L	93.609		100
Zn	66	92.36427	ug/L	91.722		100
Zn	68	92.701787	ug/L	92.057		100

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 31, 2011 15:42:47
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	49.62606	ug/L	98.66		50.3
Ag	109	49.604764	ug/L	98.618		50.3
Cu	63	78.662921	ug/L	100.592		78.2
Cu	65	78.857137	ug/L	100.84		78.2
Ge	72		ug/L		86.691	
Ho	165		ug/L		88.015	
In	115		ug/L		88.732	
Mn	55	107.23244	ug/L	101.163		106
Ni	60	207.468414	ug/L	101.7		204
Ni	62	202.690045	ug/L	99.358		204
Sc	45		ug/L		91.984	
Se	77	150.975197	mg/L	94.359		160
Se	78	150.749614	mg/L	94.219		160
Se	82	159.601091	mg/L	99.751		160
Tl	205	15.211493	ug/L	107.123		14.2
V	51	25.554554	ug/L	102.629		24.9
Zn	64	100.095073	ug/L	95.329		105
Zn	66	100.080864	ug/L	95.315		105
Zn	68	103.362775	ug/L	98.441		105

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 31, 2011 17:15:16
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	49.754881	ug/L	98.916		50.3
Ag	109	49.487859	ug/L	98.385		50.3
Cu	63	76.792601	ug/L	98.2		78.2
Cu	65	77.422534	ug/L	99.006		78.2
Ge	72		ug/L		88.415	
Ho	165		ug/L		85.666	
In	115		ug/L		85.734	
Mn	55	105.869201	ug/L	99.877		106
Ni	60	202.575519	ug/L	99.302		204
Ni	62	200.329169	ug/L	98.201		204
Sc	45		ug/L		90.088	
Se	77	148.463191	mg/L	92.789		160
Se	78	141.290818	mg/L	88.307		160
Se	82	151.639963	mg/L	94.775		160
Tl	205	14.74589	ug/L	103.844		14.2
V	51	25.662293	ug/L	103.061		24.9
Zn	64	99.908477	ug/L	95.151		105
Zn	66	99.2386	ug/L	94.513		105
Zn	68	102.924456	ug/L	98.023		105

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 31, 2011 18:48:27
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Al	27	109.557118	ug/L	109.121		100
As	75	103.718125	ug/L	104.344		100
Ba	137	97.319591	ug/L	96.643		100
Be	9	95.723764	ug/L	94.776		100
Cd	111	97.24707	ug/L	96.763		100
Cd	114	96.767953	ug/L	96.287		100
Co	59	95.380605	ug/L	94.812		100
Cr	52	97.492169	ug/L	96.527		100
Cu	63	93.133998	ug/L	93.227		100
Cu	65	95.288337	ug/L	95.384		100
Ge	72		ug/L		88.617	
Hg	200	1.06063	ug/L	106.063		1
Hg	202	1.091838	ug/L	109.184		1
Ho	165		ug/L		87.144	
In	115		ug/L		91.096	
K	39	1252.40874	ug/L	124.866		100
Mn	55	94.404858	ug/L	94.029		100
Ni	60	95.166595	ug/L	94.411		100
Ni	62	94.754435	ug/L	94.002		100
Pb	208	99.246651	ug/L	99.247		100
Sb	121	98.242733	ug/L	97.949		100
Sb	123	97.145356	ug/L	96.855		100
Sc	45		ug/L		93.784	
Se	77	91.650695	mg/L	91.468		100
Se	78	87.320431	mg/L	87.146		100
Se	82	94.310001	mg/L	94.122		100
Zn	64	93.100732	ug/L	92.454		100
Zn	66	91.675719	ug/L	91.038		100
Zn	68	91.239398	ug/L	90.605		100

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 31, 2011 18:55:21
Sample Description: CV-Trace Metals 2

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	47.915885	ug/L	95.26		50.3
Ag	109	47.433173	ug/L	94.301		50.3
Cu	63	71.940137	ug/L	91.995		78.2
Cu	65	72.582195	ug/L	92.816		78.2
Ge	72		ug/L		86.47	
Ho	165		ug/L		87.048	
In	115		ug/L		87.77	
Mn	55	100.894065	ug/L	95.183		106
Ni	60	193.579139	ug/L	94.892		204
Ni	62	189.511335	ug/L	92.898		204
Sc	45		ug/L		92.779	
Se	77	142.379294	mg/L	88.987		160
Se	78	134.260215	mg/L	83.913		160
Se	82	143.746114	mg/L	89.841		160
Tl	205	14.504527	ug/L	102.145		14.2
V	51	23.905322	ug/L	96.005		24.9
Zn	64	94.105943	ug/L	89.625		105
Zn	66	93.818474	ug/L	89.351		105
Zn	68	96.946085	ug/L	92.33		105

Metals Analysis
Support Data
102479

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ICSA/ICSAB
EAI SDG 102479

Sample ID: ICSA
Sample Date/Time: Monday, August 29, 2011 17:51:12
Sample Description:

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	0.106205	ug/L			< 1
Ag	109	0.084758	ug/L			< 1
Al	27	44650.31	ug/L	89.30		50000
As	75	0.201544	ug/L			< 1
Ba	137	0.221088	ug/L			< 1
Ba	138	0.226401	ug/L			< 1
Be	9	0.05023	ug/L			< 1
Ca	44	43239.11	ug/L	86.48		50000
Cd	111	0.103927	ug/L			< 1
Cd	114	0.1107	ug/L			< 1
Co	59	0.13342	ug/L			< 1
Cr	52	0.021092	ug/L			< 1
Cu	63	0.679366	ug/L			< 1
Cu	65	0.540002	ug/L			< 1
Fe	54	43877.7	ug/L	87.76		50000
Fe	56	45145.47	ug/L	90.29		50000
Fe	57	47505.13	ug/L	95.01		50000
Ge	72		ug/L		94.29	
Hg	200	0.030731	ug/L			< 0.1
Hg	202	0.022129	ug/L			< 0.1
Ho	165		ug/L		89.049	
In	115		ug/L		88.878	
K	39	44115.12	ug/L	88.23		50000
Mg	24	44633.24	ug/L	89.27		50000
Mg	25	43545.11	ug/L	87.09		50000
Mn	55	0.076008	ug/L			< 5
Na	23	44144.55	ug/L	88.29		50000
Ni	60	1.009736	ug/L			1
Ni	62	0.561101	ug/L			< 1
P	31	47186.4	ug/L	94.37		50000
Pb	208	0.170126	ug/L			< 1
Sb	121	0.480458	ug/L			< 1
Sb	123	0.480648	ug/L			< 1
Sc	45		ug/L		105.014	
Se	82	0.470882	mg/L			< 1
Se	77	5.012969	mg/L			5.01
Se	78	-4.87411	mg/L			< 1
Tl	205	0.051486	ug/L			< 1
V	51	0.991555	ug/L			< 5
Zn	64	6.275499	ug/L			6.27
Zn	66	3.908698	ug/L			< 5
Zn	68	3.454959	ug/L			< 5

Sample ID: ICSAB
Sample Date/Time: Monday, August 29, 2011 17:57:38
Sample Description:

Concentration Results				QC Std	Int Std	True
Analyte	Mass	Conc.	Units	% R	% R	Value
Ag	107	8.941946	ug/L	89.42		10
Ag	109	8.923492	ug/L	89.23		10
Al	27	49485.92	ug/L	98.97		50000
As	75	9.248497	ug/L	92.48		10
Ba	137	9.746334	ug/L	97.46		10
Ba	138	9.847843	ug/L	98.48		10
Be	9	9.191196	ug/L	91.91		10
Ca	44	49388.31	ug/L	98.78		50000
Cd	111	9.327442	ug/L	93.27		10
Cd	114	9.363391	ug/L	93.63		10
Co	59	8.22761	ug/L	82.28		10
Cr	52	8.292029	ug/L	82.92		10
Cu	63	8.460036	ug/L	84.60		10
Cu	65	8.385878	ug/L	83.86		10
Fe	54	50035.16	ug/L	100.07		50000
Fe	56	50146.93	ug/L	100.29		50000
Fe	57	52778.08	ug/L	105.56		50000
Ge	72		ug/L		93.412	
Hg	200	1.015158	ug/L	101.52		1
Hg	202	0.986509	ug/L	98.65		1
Ho	165		ug/L		88.787	
In	115		ug/L		86.225	
K	39	49303.79	ug/L	98.61		50000
Mg	24	49587.36	ug/L	99.17		50000
Mg	25	49321.44	ug/L	98.64		50000
Mn	55	8.399916	ug/L	84.00		10
Na	23	48691.26	ug/L	97.38		50000
Ni	60	8.280934	ug/L	72.71		10
Ni	62	7.784508	ug/L	77.85		10
P	31	53885.6	ug/L	107.77		50000
Pb	208	8.963557	ug/L	89.64		10
Sb	121	11.08898	ug/L	110.89		10
Sb	123	11.05214	ug/L	110.52		10
Sc	45		ug/L		94.239	
Se	82	8.731133	mg/L	87.31		10
Se	77	13.63481	mg/L	86.22		10
Se	78	3.031659	mg/L	30.32		10
Tl	205	8.744123	ug/L	87.44		10
V	51	10.12842	ug/L	101.28		10
Zn	64	14.73007	ug/L	84.55		10
Zn	66	12.13934	ug/L	82.31		10
Zn	68	11.49956	ug/L	80.45		10

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ICSA/ICSAB
EAI SDG 102479

Sample ID: ICSA
Sample Date/Time: Wednesday, August 31, 2011 11:15:54
Sample Description:

Concentration Results

Analyte	Mass	Conc.	Units	QC Std % R	Int Std % R	True Value
Ag	107	0.228086	ug/L			< 1
Ag	109	0.224611	ug/L			< 1
Al	27	43498.69	ug/L	87.00		50000
As	75	0.337747	ug/L			< 1
Ba	137	0.454873	ug/L			< 1
Ba	138	0.455865	ug/L			< 1
Be	9	0.218082	ug/L			< 1
Ca	44	47491.08	ug/L	94.98		50000
Cd	111	0.339858	ug/L			< 1
Cd	114	0.339363	ug/L			< 1
Co	59	0.298442	ug/L			< 1
Cr	52	-0.05125	ug/L			< 1
Cu	63	3.030496	ug/L			3.03
Cu	65	3.081572	ug/L			3.08
Fe	54	45822.02	ug/L	91.64		50000
Fe	56	45016.96	ug/L	90.03		50000
Fe	57	51798.5	ug/L	103.60		50000
Ge	72		ug/L		95.299	
Hg	200	0.030811	ug/L			< 0.1
Hg	202	0.030278	ug/L			< 0.1
Ho	165		ug/L		92.225	
In	115		ug/L		92.401	
K	39	45593.6	ug/L	91.19		50000
Mg	24	43746.97	ug/L	87.49		50000
Mg	25	43553.49	ug/L	87.11		50000
Mn	55	0.430262	ug/L			< 5
Na	23	44432.07	ug/L	88.86		50000
Ni	60	3.233446	ug/L			3.23
Ni	62	2.972592	ug/L			2.97
P	31	48256.63	ug/L	96.51		50000
Pb	208	0.46228	ug/L			< 1
Sb	121	0.812143	ug/L			< 1
Sb	123	0.822073	ug/L			< 1
Sc	45		ug/L		120.962	
Se	77	5.092923	mg/L			5.09
Se	78	-3.02974	mg/L			< 1
Se	82	0.198346	mg/L			< 1
Tl	205	0.284272	ug/L			< 1
V	51	0.814059	ug/L			< 5
Zn	64	10.80196	ug/L			10.8
Zn	66	8.504477	ug/L			8.5
Zn	68	8.08677	ug/L			8.08

Sample ID: ICSAB
Sample Date/Time: Wednesday, August 31, 2011 11:22:20
Sample Description:

Concentration Results

Analyte	Mass	Conc.	Units	QC Std % R	Int Std % R	True Value
Ag	107	9.035779	ug/L	90.36		10
Ag	109	8.894472	ug/L	88.94		10
Al	27	49334.22	ug/L	98.67		50000
As	75	9.303521	ug/L	93.04		10
Ba	137	9.474359	ug/L	94.74		10
Ba	138	9.580576	ug/L	95.81		10
Be	9	9.799148	ug/L	97.99		10
Ca	44	54281.39	ug/L	108.56		50000
Cd	111	9.380741	ug/L	93.81		10
Cd	114	9.150825	ug/L	91.51		10
Co	59	8.372095	ug/L	83.72		10
Cr	52	8.255187	ug/L	82.55		10
Cu	63	11.14636	ug/L	81.16		10
Cu	65	11.16789	ug/L	80.86		10
Fe	54	51959.8	ug/L	103.92		50000
Fe	56	52245.75	ug/L	104.49		50000
Fe	57	59143.93	ug/L	118.29		50000
Ge	72		ug/L		95.222	
Hg	200	1.006172	ug/L	100.62		1
Hg	202	0.983511	ug/L	98.35		1
Ho	165		ug/L		93.644	
In	115		ug/L		93.095	
K	39	52088.42	ug/L	104.18		50000
Mg	24	49942.02	ug/L	99.88		50000
Mg	25	50080.44	ug/L	100.16		50000
Mn	55	8.494898	ug/L	84.95		10
Na	23	50237.28	ug/L	100.47		50000
Ni	60	11.53119	ug/L	82.98		10
Ni	62	11.02884	ug/L	80.56		10
P	31	57205.17	ug/L	114.41		50000
Pb	208	9.217422	ug/L	92.17		10
Sb	121	11.42157	ug/L	114.22		10
Sb	123	11.51142	ug/L	115.11		10
Sc	45		ug/L		103.289	
Se	77	15.52136	mg/L	104.28		10
Se	78	5.020444	mg/L	50.20		10
Se	82	9.490313	mg/L	94.90		10
Tl	205	9.184904	ug/L	91.85		10
V	51	9.810973	ug/L	98.11		10
Zn	64	19.97251	ug/L	91.71		10
Zn	66	17.51214	ug/L	90.08		10
Zn	68	17.35805	ug/L	92.71		10

Sample/Batch Report

User Name: ICPMS1
Computer Name: ICPMS1
Sample File: C:\elandata\Sample\AQUIRE_August292011.1HCl.sam
Report Date/Time: Thursday, September 08, 2011 10:16:24

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Rati
		Calibration Blank		Sample					
2		Hg0.1ppbCS		Sample					
3		Hg1.0ppbCS		Sample					
4		Hg5.0ppbCS		Sample					
9		TM.5ppbCS		Sample					
10		TM5ppbCS		Sample					
11		TM20ppbCS		Sample					
12		Min100CS		Sample					
13		Min1000CS		Sample					
14		Min5000CS		Sample					
5		Reagent Blank		Sample					
6		SCP_ICV		Sample					
15		ERA DWQC_ICV		Sample					
7		ERA WWQC_ICV		Sample					
8		MIN_ICV		Sample					
16		flush		Sample					
17		flush		Sample					
18		flush		Sample					
19		LLCS		Sample					
20		ICSA		Sample					
21		ICSAB		Sample					
22		5ppm LRC-flush		Sample					
23		flush		Sample					
24		flush		Sample					
25		flush		Sample					
26		flush		Sample					
27		flush		Sample					
28		Soil BLK	1:25	Sample					
29		Soil LCS	1:25	Sample					
30		Soil QC	1:50	Sample					
31		Soil Ag LCS	1:10	Sample					
32		flush		Sample					
33		flush		Sample					
34		102476.05	1:25 Be rerun	Sample					
35		102476.06	1:25 Be rerun	Sample					
36		102476.07	1:25 Be rerun	Sample					
37		102476.08	1:25 Be rerun	Sample					
38		102476.09	1:25 Be rerun	Sample					
39		102476.10	1:25 Be rerun	Sample					
40		102615.01	1:25	Sample					
41		102615.01 MS	1:25	Sample					
42		102615.01 MSD		Sample					
43		flush		Sample					
44		flush		Sample					
45		flush		Sample					
46		BLK	8/23 A	Sample					
47		Ag LCS	8/23 A	Sample					
48		LCS	8/23 A	Sample					
49		flush		Sample					

50	flush		Sample
51	flush		Sample
52	102479.01	Aqtot	Sample
53	102479.02	Aqtot	Sample
54	102479.03	Aqtot	Sample
55	102479.04	Aqtot	Sample
56	102479.04 MS	Aqtot pre diges	Sample
57	102479.04 MS	Aqtot pre diges	Sample
58	102479.04 MS	Aqtot post dige	Sample
59	102479.04 MS	Aqtot post dige	Sample
60	flush		Sample
61	flush		Sample
62	flush		Sample
63	102479.05	Aqtot	Sample
64	102479.06	Aqtot	Sample
65	102479.07	Aqtot	Sample
66	102479.08	Aqtot	Sample
67	102479.09	Aqtot	Sample
68	102479.10	Aqtot	Sample
69	102479.11	Aqtot	Sample
70	102479.13	Aqtot	Sample
71	102479.14	Aqtot	Sample
72	102479.15	Aqtot	Sample
73	102479.16	Aqtot	Sample
74	102479.16 MS	Aqtot post dige	Sample
75	102479.16 MS	Aqtot post dige	Sample
76	flush		Sample
77	flush		Sample
78	flush		Sample
79	102479.01	Aqdis	Sample
80	102479.02	Aqdis	Sample
81	102479.03	Aqdis	Sample
82	102479.04	Aqdis	Sample
83	102479.04 MS	Aqdis	Sample
84	102479.04 MS	Aqdis	Sample
85	flush		Sample
86	flush		Sample
87	flush		Sample
88	102479.05	Aqdis	Sample
89	102479.06	Aqdis	Sample
90	102479.09	Aqdis	Sample
91	flush		Sample
92	BLK		Sample
93	filter BLK		Sample
94	Ag LCS		Sample
95	LCS		Sample
96	filter LCS		Sample
97	LCS	1:10	Sample
98	flush		Sample
99	flush		Sample
100	flush		Sample
101	102664.01		Sample
102	102664.02		Sample
103	102664.03		Sample
104	102664.04		Sample
105	102604.01		Sample
106	102642.01		Sample
107	102648.01		Sample
108	102648.02		Sample
109	102648.03		Sample

110	102648.04		Sample
111	102648.04 MS		Sample
112	102648.04 MSD		Sample
113	flush		Sample
114	flush		Sample
115	flush		Sample
116	102639.01		Sample
117	102644.01		Sample
118	102645.01		Sample
119	102647.01		Sample
120	102636.01		Sample
121	flush		Sample
122	102600.05	1:1	Sample
123	102600.06		Sample
124	102600.07		Sample
125	102600.08		Sample
126	102600.09		Sample
127	flush		Sample
128	102479.02	Aqtot 1:10 Na	Sample
129	102479.03	Aqtot 1:10 Na	Sample
130	102479.11	Aqtot 1:10 Na	Sample
131	102479.01	Aqtot 1:1 Na + (	Sample
132	102479.04	Aqtot 1:1 Na	Sample
133	102479.05	Aqtot 1:1 Na	Sample
134	102479.08	Aqtot 1:1 Na	Sample
135	102479.09	Aqtot 1:1 Na	Sample
136	102479.10	Aqtot 1:1 Na	Sample
137	102479.16	Aqtot 1:1 Na + (	Sample
138	102479.04 MS	Aqdis 1:1 Fe + I	Sample
139	102479.04 MS	Aqdis 1:1 Fe + I	Sample
140	flush		Sample
141	flush		Sample
142	flush		Sample
143			Sample
144			Sample
145			Sample
146			Sample
147			Sample
148			Sample
149			Sample
150			Sample
151			Sample
152			Sample
153			Sample
154			Sample
155			Sample
156			Sample
157			Sample
158			Sample
159			Sample
160			Sample

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Monday, August 29, 2011 15:38:14
Sample Description:
Method File: C:\Elandata\Method\EPA200 DAILY.mth
Dataset File: C:\Elandata\Dataset\daily performance\Sample.006
Tuning File: C:\Elandata\Tuning\EPA.tun
Optimization File: C:\Elandata\Optimize\epa.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 55
Current Dead Time (ns): 55

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	61521.2	61521.209	540.830	0.9
	Rh	102.9	332102.2	332102.194	2856.093	0.9
	In	114.9	409121.6	409121.577	3911.404	1.0
	Pb	208.0	226249.3	226249.287	1958.119	0.9
⌈>	Ba	137.9	363057.8	363057.849	2059.489	0.6
⌊	Ba++	69.0	3540.0	0.010	0.000	1.3
⌈>	Ce	139.9	430218.8	430218.768	2198.420	0.5
⌊	CeO	155.9	12349.2	0.029	0.000	1.6
	Bkgd	220.0	6.6	6.601	3.210	48.6

Current Optimization File Data

Current Value	Description
0.93	Nebulizer Gas Flow
5.75	Lens Voltage
1100.00	ICP RF Power
-1893.00	Analog Stage Voltage
1192.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-5.50	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	15	4.0	3264.6
Co	59	15	4.8	120618.4
In	115	15	5.8	527829.4

Instrument Tuning Report

File Name: EPA.tun
File Path: C:\elandata\Tuning\EPA.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.025	588	2087	0.611	
Mg	23.985	24.028	5741	2024	0.590	
Rh	102.905	102.879	25057	1900	0.657	
Ce	139.905	139.929	34043	1961	0.659	
Pb	207.977	207.977	50455	2247	0.631	

Aqueous Digestion Logbook

BatSamNum	Prep Date	Digestion Batch ID	Reagent/Chem Inv.	Temp. °C	Analyst	Notes
BLANK	8/23/11	A	420073 38990.3 41320.1	83.5	JS	
LCS			41321.1 41680.1 39600.1			
LCS Ag			39603.1			
102479.01						
.02						
.03						
.04						
MS			(41321.1) (41680.1) (39600.1)			
MSD			" " "			
102479 .05						
.06						
.07						
.08						
.09						
.10						
.11						
.13						
.14						
.15						
.16						
102490 .02						
102494.01						
102507.01				SLW		
102512.01						
.02						

Metals_AQ_DigestionLogbook_05172006.xls

SLW 8/23/11

Sample/Batch Report

User Name: ICPMS1
Computer Name: ICPMS1
Sample File: C:\elandata\Sample\AQUIRE_August312011.1HCl.sam
Report Date/Time: Thursday, September 08, 2011 10:17:47

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Rati
		Calibration Blank		Sample					
2		Hg0.1ppbCS		Sample					
3		Hg1.0ppbCS		Sample					
4		Hg5.0ppbCS		Sample					
9		TM.5ppbCS		Sample					
10		TM5ppbCS		Sample					
11		TM20ppbCS		Sample					
12		Min100CS		Sample					
13		Min1000CS		Sample					
14		Min5000CS		Sample					
5		Reagent Blank		Sample					
6		SCP_ICV		Sample					
15		ERA DWQC_ICV		Sample					
7		ERA WWQC_ICV		Sample					
8		MIN_ICV		Sample					
16		flush		Sample					
17		flush		Sample					
18		flush		Sample					
19		LLCS		Sample					
20		ICSA		Sample					
21		ICSAB		Sample					
22		5ppm LRC-flush		Sample					
23		flush		Sample					
24		flush		Sample					
25		flush		Sample					
26		flush		Sample					
27		flush		Sample					
28		102455.06	Ag redigest	Sample					
29		102455.05 MS	Aqtot predigesti	Sample					
30		102455.05 MS	Aqtot predigesti	Sample					
31		102455.05 MS	Aqtot postdiges	Sample					
32		102455.05 MS	Aqtot postdiges	Sample					
33		flush		Sample					
34		flush		Sample					
35		flush		Sample					
36		BLK	8/23/2011 A	Sample					
37		Ag LCS	8/23/2011 A	Sample					
38		LCS	8/23/2011 A	Sample					
39		flush		Sample					
40		flush		Sample					
41		flush		Sample					
42		102479.01	Aqtot Be,Cu,Ni,	Sample					
43		102479.02	Aqtot Be,Cu,Ni,	Sample					
44		102479.03	Aqtot Be,Cu,Ni,	Sample					
45		102479.04	Aqtot Be,Cu,Ni,	Sample					
46		102479.05	Aqtot Be,Cu,Ni,	Sample					
47		102479.06	Aqtot Be,Cu,Ni,	Sample					
48		102479.07	Aqtot Be,Cu,Ni,	Sample					
49		102479.08	Aqtot Be,Cu,Ni,	Sample					

50	102479.09	Aqtot Be,Cu,Ni,	Sample
51	102479.10	Aqtot Be,Cu,Ni,	Sample
52	102479.11	Aqtot Be,Cu,Ni,	Sample
53	102479.13	Aqtot Be,Cu,Ni,	Sample
54	102479.14	Aqtot Be,Cu,Ni,	Sample
55	102479.15	Aqtot Be,Cu,Ni,	Sample
56	102479.16	Aqtot Be,Cu,Ni,	Sample
57	102479.04 MS	Aqtot predigesti	Sample
58	102479.04 MS	Aqtot predigesti	Sample
59	102479.04 MS	Aqtot postdiges	Sample
60	102479.04 MS	Aqtot postdiges	Sample
61	flush		Sample
62	102479.16 MS	Aqtot postdiges	Sample
63	102479.16 MS	Aqtot postdiges	Sample
64	flush		Sample
65	102479.04 MS	Aqdis	Sample
66	102479.04 MS	Aqdis	Sample
67	flush		Sample
68	flush		Sample
69	flush		Sample
70	BLK		Sample
71	Ag LCS		Sample
72	LCS		Sample
73	flush		Sample
74	flush		Sample
75	flush		Sample
76	102636.01		Sample
77	102644.01		Sample
78	102645.01		Sample
79	102647.01		Sample
80	102649.17		Sample
81	102655.02		Sample
82	102659.01		Sample
83	102659.02		Sample
84	102667.01		Sample
85	102667.01 MS		Sample
86	102667.01 MSD		Sample
87	flush		Sample
88	flush		Sample
89	flush		Sample
90	102668.01		Sample
91	102671.01		Sample
92	102671.02		Sample
93	102677.01		Sample
94	102700.01		Sample
95	102700.02		Sample
96	102700.03		Sample
97	102700.04		Sample
98	102700.05		Sample
99	102700.06		Sample
100	102700.06 MS		Sample
101	102700.06 MSD		Sample
102	flush		Sample
103	flush		Sample
104	flush		Sample
105	102676.01		Sample
106	102676.02		Sample
107	102691.03		Sample
108	102691.04		Sample
109			Sample

110	Sample
111	Sample
112	Sample
113	Sample
114	Sample
115	Sample
116	Sample
117	Sample
118	Sample
119	Sample
120	Sample
121	Sample
122	Sample
123	Sample
124	Sample
125	Sample
126	Sample
127	Sample
128	Sample
129	Sample
130	Sample
131	Sample
132	Sample
133	Sample
134	Sample
135	Sample
136	Sample
137	Sample
138	Sample
139	Sample
140	Sample
141	Sample
142	Sample
143	Sample
144	Sample
145	Sample
146	Sample
147	Sample
148	Sample
149	Sample
150	Sample
151	Sample
152	Sample
153	Sample
154	Sample
155	Sample
156	Sample
157	Sample
158	Sample
159	Sample
160	Sample

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Wednesday, August 31, 2011 09:06:37
Sample Description:
Method File: C:\Elandata\Method\EPA200 DAILY.mth
Dataset File: C:\Elandata\Dataset\daily performance\Sample.008
Tuning File: C:\Elandata\Tuning\EPA.tun
Optimization File: C:\Elandata\Optimize\epa.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 55
Current Dead Time (ns): 55

1.74 x 10^-5 D

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	43815.1	43815.110	350.670	0.8
	Rh	102.9	230497.6	230497.615	1761.506	0.8
	In	114.9	256514.5	256514.529	4348.631	1.7
	Pb	208.0	172385.6	172385.643	1473.505	0.9
⌈>	Ba	137.9	285476.3	285476.261	1734.020	0.6
⌊	Ba++	69.0	2620.6	0.009	0.000	1.5
⌈>	Ce	139.9	336345.0	336344.968	1689.183	0.5
⌊	CeO	155.9	9166.7	0.027	0.000	1.1
	Bkgd	220.0	7.4	7.401	3.578	48.3

Current Optimization File Data

Current Value	Description
0.93	Nebulizer Gas Flow
6.00	Lens Voltage
1100.00	ICP RF Power
-1893.00	Analog Stage Voltage
1192.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-5.50	AC Rod Offset

41951.1

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	15	4.5	2322.8
Co	59	15	5.3	80164.4
In	115	15	6.0	318157.1

41950.2

Instrument Tuning Report

File Name: EPA.tun
File Path: C:\elandata\Tuning\EPA.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.025	602	2087	0.597	
Mg	23.985	23.979	5735	2024	0.580	
Rh	102.905	102.878	25060	1900	0.639	
Ce	139.905	139.878	34046	1961	0.646	
Pb	207.977	207.975	50454	2247	0.611	

Wet Chemistry Analysis
Support Data
102479

COD, LOW LEVEL NOTEBOOK

Page 1

HACH Vial Lot #:	A1174	HACH 8000, EPA 410.4, SM 5220D						Dig. Date:	8/25/2011	
Stock Lot#:	CS0115400.6317			Param #15400				Spec. Date:	8/25/2011	
QC Stock Lot#:	QC0215400.6318	REMEMBER TO UPDATE LOT #S AND						Analyst:	LO	
Date of Calib:	40752	CALIBRATION INFO FROM LAST PAGE!!!						Time:	10:30	
Analyst:	LO									
LINEAR REGRESSION, CORRELATION COEFFICIENT										
PPM		0	10	50	100	200				
Respons		0.725	0.688	0.556	0.405	0.112		← Enter calibration data here		
Conc.		0	10	50	100	200			if new calib	
X * Y		0	6.88	27.8	40.5	22.4				
X^2		0	100	2500	10000	40000				
Y^2		0.52563	0.47334	0.30914	0.16403	0.01254				
						Slope		-0.00305142		
N	5	Sum (Y)	2.486	Sum(X^2	52600	Y int.		0.716902549		
Sum (X)	360	Sum (X * Y)	97.58	Sum(Y^2	1.48467	Cor.		-0.99957309		

		BatSamNum	Vol	Final	Abs	Report		Final Conc	QA/QC		
	x	Sample ID:	Dist(ml)	Vol(ml)	420nm	mg/L	Dil Fac	mg/L COD	Values	% Rec.	% RPD
		Blank	2	2	0.742	-8.225	1	-8.225			
		QC 100 ppm	2	2	0.412	99.921	1	99.921	100	99.9	
		Ck Std 50 ppm	2	2	0.572	47.487	1	47.487	50	95.0	
		Ck Std 100 ppm	2	2	0.425	95.661	1	95.661	100	95.7	
		QCD 100 ppm	2	2	0.407	101.560	1	101.560	100	101.6	
		102463.03 xx	0.5	2	0.379	110.736	4	442.944			
		102463.03 xm	1	2	0.487	75.343	2	150.685			
		102463.03 gf	1	2	0.414	99.266	2	198.532			
		102463.03 floc	1	2	0.527	62.234	2	124.468			
		102463.04 xx	0.5	2	0.565	49.781	4	199.123			
		102463.04 xm	1	2	0.516	65.839	2	131.678			
		102463.04 gf	1	2	0.455	85.830	2	171.659			
		102463.04 floc	1	2	0.548	55.352	2	110.704			
		102346.01	2	2	0.589	41.916	1	41.916			
		sample				234.940	#DIV/0!	#DIV/0!			
		MS				234.940	#DIV/0!	#DIV/0!	50	0.0	
		MSD				234.940	#DIV/0!	#DIV/0!	50	0.0	0.0
		102539.01	0.1	2	0.52	64.528	20	1290.562			
		102560.01	0.1	2	0.372	113.030	20	2260.600			
		102479.16	2	2	0.596	39.622	1	39.622			
		102479.17	2	2	0.586	42.899	1	42.899			
		102549.01	2	2	0.709	2.590	1	2.590			
		102549.02	2	2	0.715	0.623	1	0.623			
		102549.03	2	2	0.721	-1.343	1	-1.343			
						234.940	#DIV/0!	#DIV/0!			
						234.940	#DIV/0!	#DIV/0!			
		102549.04	1.9	2	0.72	-1.015	1.05263	-1.069			
		102549.04 ms	1.9	2	0.58	44.865	1.05263	47.226	50	91.8	
		102549.04 msd	1.9	2	0.583	43.882	1.05263	46.192	50	89.8	2.2

Comments:

General:

Dilution:

QC: 80-115%R

Cal ck: 90-110%R

Dup/Spk: MS 80-120%R; RPD </=20

QC Check:

COD RUNLOG Units = mg/L LIG# 15400

Date: 8.24.11 10:30am

*Calib Date/Time: _____

*Calib Lot#: _____ HACH method 8000 ☒

*Calib. Analyst: _____ EPA Method 410.4 ☐

Analyst: LD

Vial Lot#: 2458 A1174

Range: Low ☒ High ☐

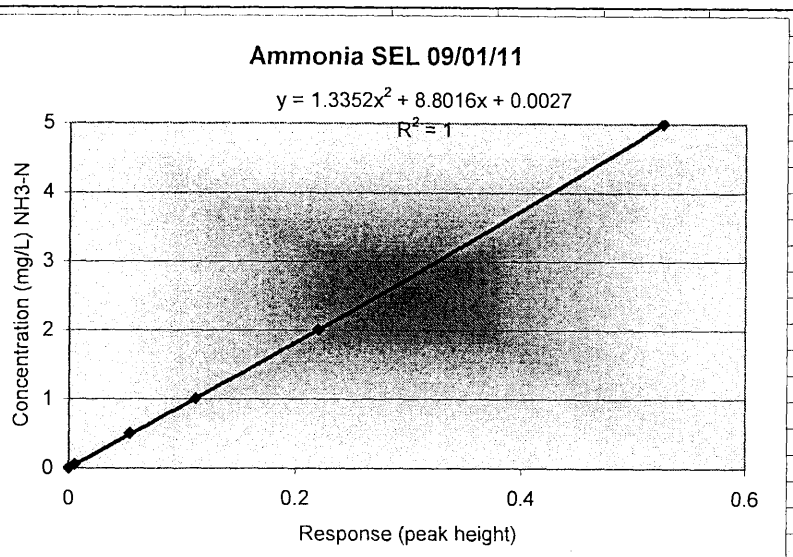
* enter information for runs with calibration data only

otherwise see COD XL spreadsheet for current cal info

Spec: Hach 890 ☒ BL1001 ☐ Gen 2 ☐

	Sample ID	Vol Dig. (mL)	Digestion Time In	Digestion Time Out	Abs @ ☒ 420nm ☐ 600nm	Spec Pos	Comments
1	BLK	2	10:45	12:45	0.742		mid read = 0.735
2	LCS	2			0.412		
3	LCSD	2			0.407		mid read
4	50 CCV	2			0.572		
5	100 CCV	2			0.425		mid read
6	102463.03 XX	0.5			0.379		102463
7	XM	1			0.487		
8	GF	1			0.414		
9	102463.03 Flx	1			0.527		
10	102463.04 XX	0.5			0.565		
11	XM	1			0.516		
12	GF	1			0.455		
13	102463.04 Flx	1			0.548		102463
14	102346.01	2			0.589		102346
15	102539.01	0.1			0.520		
16	102560.01	0.1			0.372		
17	102479.16	2 ~~0.5~~ (2)			0.596		
18	102479.17	2 ~~0.5~~ (2)			0.586		
19	102549.01	2			0.709		
20	.02	2			0.715		
21	.03	2			0.721		
22	.04	1.9			0.720		
23	.04 MS	1.9			0.580		
24	102549 .04 MSD	1.9	10:45	12:45	0.583		
25							
26			~~11:20~~	(2)			
27							
28							
29							
30							
31							

NH3 (Automated ISE)
Methods 350.3



Date Analyzed:	9/1/2011
Analyst:	SEL
Cal.File:	090111c1
Tray File:	090111t1
Data File:	090111d1
Dwell Time:	00:20/02:10
Gain:	2
Boric Acid:	16488
NH4OH:	R0414000.5964
Caustic:	R1514000.6251
Cal Std:	CS0513800.6039
LCS:	21448

Calibration Data

(x)Resp (Ht)	(y)Conc.mg/L
0.000353	0
0.525781	5
0.219831	2
0.111962	1
0.054373	0.5
0.005629	0.05

AS #	Resp. Ht	Sample ID	mg/L	% Rec	RPD	mg/L incl. DF
1	0.112774	Check 1	1.01	101.2		
2	0.225104	LCS 2	2.05	102.6		
3	0.00061	Blank	0.01			
4	0.037765	102479.13	0.34			
5	0.206521	102479.14	1.88			
6	0.026705	102479.15	0.24			
7	0.275864	102479.16 **10x**	2.53			**25.32355**
8	0.448181	102479.16 **10x MS**	4.22	84.2		**42.15606**
9	0.476879	102479.16 **10x MSD**	4.50	98.6	15.76311	**45.03641**
10	0.268144	102479.17 **10x**	2.46			**24.58799**
11	0.002698	102611.01	0.03			
12	0.001333	102611.02	0.01			
13	0.000977	102611.03	0.01			
14	0.224955	Check 2	2.05	102.5		
15	0.222999	LCS 2	2.03	101.6		
16	0.001639	Blank	0.02			
17	0.000735	102531.01	0.01			
18	0.165252	102531.02 **10x**	1.49			**14.93644**
19	0.001696	102531.03	0.02			
20	0.03266	102531.04	0.29			
21	0.001365	102531.05	0.01			
22	0.002979	102694.01	0.03			
23	0.110674	Check 1	0.99	99.3		
24	0.216818	LCS 2	1.97	98.7		
25	0.000281	Blank	0.01			

October 5, 2011

Kevin McKibben
Provan & Lorber (Co)
PO Box 389
Contoocook, NH 03229

Additional Data for EAI SRBs: 102343, 102455 and 102479

Dear Mr. McKibben,

Enclosed please find the additional data for the Volatile Organic Analyses requested by Taryn Scholz of QAA, LLC. The enclosed report consists of 331 pages and pertains to three sample delivery batches; 102343, 102455 and 102479.

Please note the additional Metals data will be sent under separate cover.

Please do not hesitate to contact me with any additional questions or concerns.

Sincerely,

Kathleen E. Noonan-Kelley
QA/QC Coordinator

Volatile Organic Analysis
Raw Initial Calibration Data
102343, 102455 and 102479

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081107.D Vial: 7
Acq On : 11 Aug 2011 11:17 am Operator: VG
Sample : STD0.5 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:00:54 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	303496	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	238491	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	127628	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS Dibromofluoromethane_MS	10.27	111	70760	9.08 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 90.75%		
35) SS 1,2-DCA-d4_MS	11.39	65	75462	8.14 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 81.43%		
48) SS Toluene-d8_MS	14.67	98	298717	9.81 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.07%		
65) SS 4-BFB_MS	18.14	95	110704	9.79 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.92%		
83) SS 1,2-DCB-D4_MS	19.76	152	113754	9.60 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.03%		
90) SS 2,5-DBT_MS	23.37	250	946	4.03 ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 10.07%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	3.00	85	7050	0.777 ug/L #	98
3) chloromethane	3.34	50	8673	0.773 ug/L	100
4) vinyl chloride	3.49	62	4825	0.585 ug/L	95
6) chloroethane	4.25	64	4242	0.652 ug/L	96
8) diethyl ether	5.16	59	2913	0.378 ug/L #	82
9) 1,1,2-Trichlorotrifluoroet	5.41	101	3532	0.433 ug/L	99
12) 1,1-dichloroethene	5.75	96	3322	0.425 ug/L	88
15) methylene chloride	6.67	84	4945	0.494 ug/L	95
18) Methyl-t-butyl ether (MTBE	6.97	73	16105	0.764 ug/L #	89
19) trans-1,2-dichloroethene	7.26	96	3693	0.420 ug/L	92
20) hexane	7.38	57	5280	0.365 ug/L #	79
21) Isopropyl ether (DIPE)	7.91	45	14530	0.514 ug/L	99
23) 1,1-dichloroethane	8.13	63	7483	0.490 ug/L #	96
24) Ethyl-t-butyl ether (ETBE)	8.78	59	10955	0.482 ug/L	97
25) 2,2-dichloropropane	9.34	77	4623	0.484 ug/L	94
26) cis-1,2-dichloroethene	9.43	61	5815	0.485 ug/L	93
27) 2-butanone (MEK)	9.04	43	1976	0.680 ug/L #	70
28) bromochloromethane	10.15	128	1898	0.475 ug/L	95
30) chloroform	9.78	83	6618	0.467 ug/L	98
32) 1,1,1-trichloroethane	10.67	97	5247	0.468 ug/L	96
33) carbon tetrachloride	11.24	117	3662	0.392 ug/L #	92
34) 1,1-dichloropropene	11.02	75	5386	0.499 ug/L	99
36) tert-amyl methyl ether (TA	11.29	73	8478	0.505 ug/L	93
37) benzene	11.60	78	17257	0.539 ug/L	97
38) 1,2-dichloroethane	11.59	62	5264	0.458 ug/L	98
39) trichloroethene	12.77	95	4223	0.518 ug/L	97
40) 1,2-dichloropropane	13.08	63	4391	0.500 ug/L	97
42) dibromomethane	13.56	93	2201	0.482 ug/L	94
43) bromodichloromethane	13.47	83	3927	0.385 ug/L	98
44) 2-Chloroethoxyethene	13.97	63	3024	4.651 ug/L #	91
45) 4-methyl-2-pentanone (MIBK	14.01	58	1074	0.494 ug/L #	87
46) cis-1,3-dichloropropene	14.32	75	4863	0.437 ug/L	98
49) toluene	14.79	91	19236	0.547 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081107.D Vial: 7
Acq On : 11 Aug 2011 11:17 am Operator: VG
Sample : STD0.5 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:00:54 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

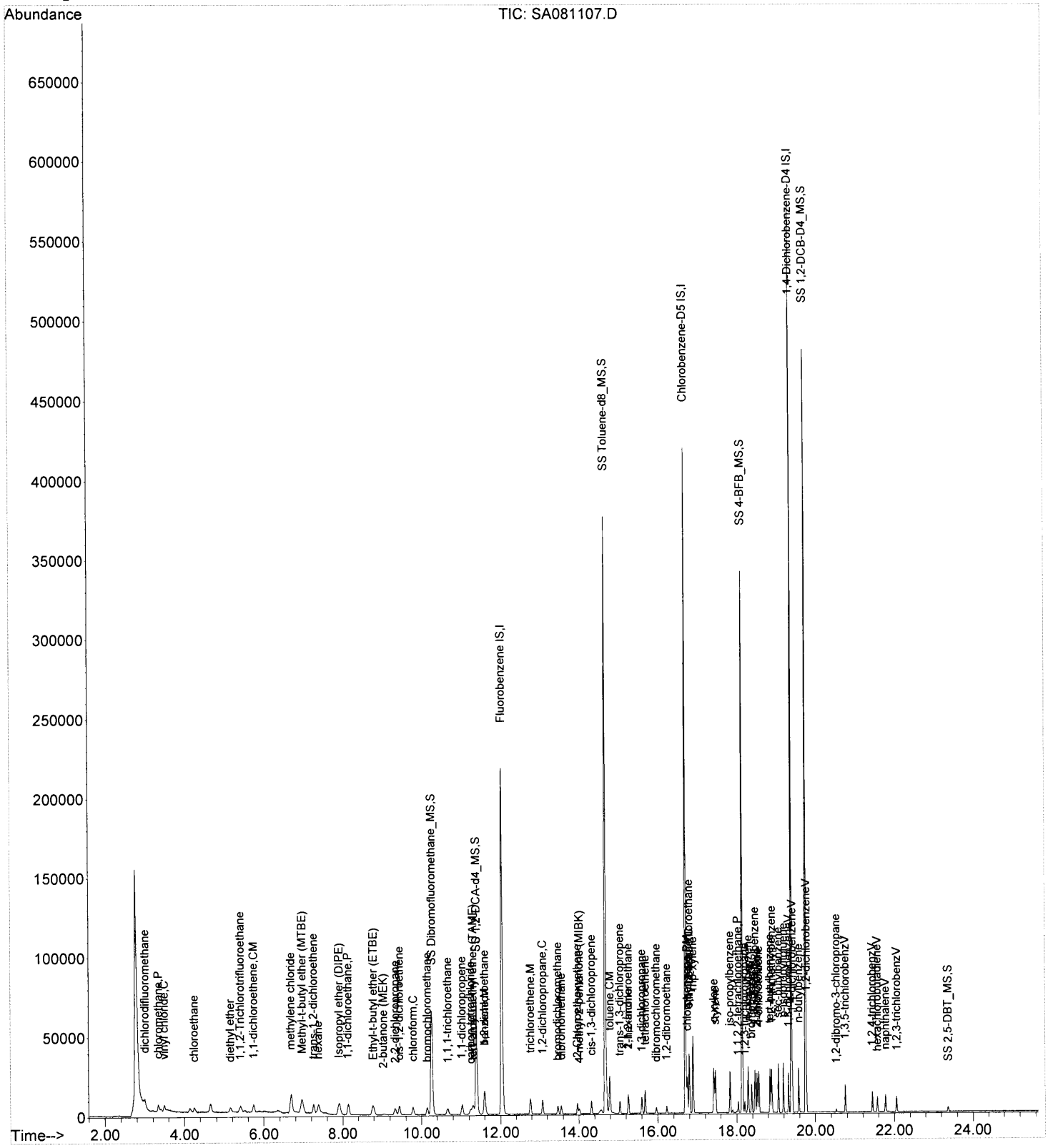
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	trans-1,3-dichloropropene	15.05	75	3960	0.382	ug/L		96
51)	1,1,2-trichloroethane	15.26	83	2768	0.498	ug/L		93
52)	2-hexanone	15.26	43	1974	0.515	ug/L	#	94
53)	tetrachloroethene	15.69	166	4552	0.469	ug/L		97
54)	1,3-dichloropropane	15.60	76	5395	0.470	ug/L		96
55)	dibromochloromethane	15.96	129	2286	0.323	ug/L	#	94
56)	1,2-dibromoethane	16.22	107	3108	0.457	ug/L	#	99
57)	chlorobenzene	16.75	112	12483	0.512	ug/L		94
58)	1,1,1,2-tetrachloroethane	16.79	131	2731	0.372	ug/L	#	1
59)	ethylbenzene	16.80	91	20203	0.515	ug/L		99
60)	mp-xylene	16.89	106	16109	1.013	ug/L		97
61)	o-xylene	17.42	106	7370	0.488	ug/L		97
62)	styrene	17.46	104	12387	0.462	ug/L		98
64)	iso-propylbenzene	17.83	105	18010	0.494	ug/L		98
67)	bromobenzene	18.38	156	4992	0.532	ug/L		98
68)	1,1,2,2-tetrachloroethane	18.04	83	3620	0.503	ug/L	#	1
69)	1,2,3-trichloropropane	18.21	110	1119	0.496	ug/L		96
71)	n-propylbenzene	18.29	91	22457	0.541	ug/L		97
72)	2-chlorotoluene	18.52	91	14416	0.541	ug/L		98
73)	4-chlorotoluene	18.56	91	13811	0.517	ug/L		97
74)	1,3,5-trimethylbenzene	18.46	105	15367	0.505	ug/L		97
75)	tert-butylbenzene	18.85	119	13579	0.527	ug/L		99
76)	1,2,4-trimethylbenzene	18.89	105	16062	0.507	ug/L		98
77)	sec-butylbenzene	19.06	105	19879	0.530	ug/L		99
78)	1,3-dichlorobenzeneV	19.32	146	9216	0.512	ug/L		99
79)	p-isopropyltoluene	19.19	119	15878	0.502	ug/L		98
80)	1,4-dichlorobenzeneV	19.42	146	9356m	0.514	ug/L		
81)	1,2-dichlorobenzeneV	19.78	146	8427	0.499	ug/L	#	1
82)	n-butylbenzene	19.58	91	13707	0.500	ug/L		98
84)	1,2-dibromo-3-chloropropan	20.52	157	418	0.319	ug/L	#	92
85)	1,3,5-trichlorobenzV	20.75	180	5552	0.512	ug/L		97
86)	1,2,4-trichlorobenzV	21.44	180	4556	0.512	ug/L		94
87)	hexachlorobutadieneV	21.57	225	2217	0.500	ug/L		95
88)	naphthaleneV	21.77	128	9714	0.462	ug/L		97
89)	1,2,3-trichlorobenzV	22.06	180	3728	0.465	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081107.D Vial: 7
Acq On : 11 Aug 2011 11:17 am Operator: VG
Sample : STD0.5 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 10:10 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081108.D Vial: 8
Acq On : 11 Aug 2011 11:51 am Operator: VG
Sample : STD1 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:00:59 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	306601	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	241507	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	130179	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	71031	9.02	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 90.18%			
35) SS 1,2-DCA-d4_MS	11.39	65	75521	8.07	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 80.67%			
48) SS Toluene-d8_MS	14.67	98	300981	9.76	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.58%			
65) SS 4-BFB_MS	18.14	95	112538	9.83	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.30%			
83) SS 1,2-DCB-D4_MS	19.76	152	113842	9.42	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.22%			
90) SS 2,5-DBT_MS	23.36	250	2236	4.41	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 11.03%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	3.00	85	16049	1.750	ug/L	98
3) chloromethane	3.33	50	18753	1.654	ug/L	97
4) vinyl chloride	3.49	62	11408	1.369	ug/L	96
5) bromomethane	4.13	94	7228	2.266	ug/L #	91
6) chloroethane	4.26	64	9664	1.470	ug/L	96
7) trichlorofluoromethane	4.66	101	19610	1.585	ug/L	100
8) diethyl ether	5.15	59	5871	0.755	ug/L	91
9) 1,1,2-Trichlorotrifluoroet	5.41	101	7389	0.896	ug/L	97
12) 1,1-dichloroethene	5.73	96	6788	0.860	ug/L	88
13) tert-Butyl Alcohol (TBA)	5.90	59	2609	4.011	ug/L #	65
15) methylene chloride	6.67	84	8535	0.844	ug/L	94
16) carbon disulfide	6.70	76	30430	1.177	ug/L #	90
18) Methyl-t-butyl ether (MTBE	6.96	73	32279	1.517	ug/L	97
19) trans-1,2-dichloroethene	7.26	96	7530	0.848	ug/L	89
20) hexane	7.38	57	10895	0.745	ug/L	91
21) Isopropyl ether (DIPE)	7.91	45	28417	0.995	ug/L	99
22) vinyl acetate	8.14	43	18651	1.644	ug/L	99
23) 1,1-dichloroethane	8.13	63	14963	0.969	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	8.77	59	22167	0.966	ug/L #	87
25) 2,2-dichloropropane	9.33	77	9533	0.988	ug/L	99
26) cis-1,2-dichloroethene	9.44	61	12262	1.013	ug/L	95
27) 2-butanone (MEK)	9.06	43	3477	1.184	ug/L #	88
28) bromochloromethane	10.16	128	4259	1.055	ug/L	97
29) Tetrahydrofuran (THF)	10.24	42	2247	1.187	ug/L	89
30) chloroform	9.78	83	13560	0.948	ug/L #	92
32) 1,1,1-trichloroethane	10.67	97	10562	0.933	ug/L	96
33) carbon tetrachloride	11.23	117	7309	0.774	ug/L	98
34) 1,1-dichloropropene	11.03	75	11045	1.013	ug/L	99
36) tert-amyl methyl ether (TA	11.29	73	17204	1.014	ug/L	95
37) benzene	11.60	78	34682	1.072	ug/L	97
38) 1,2-dichloroethane	11.59	62	10440	0.900	ug/L	97
39) trichloroethene	12.76	95	8778	1.066	ug/L	98
40) 1,2-dichloropropane	13.08	63	8900	1.002	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081108.D Vial: 8
Acq On : 11 Aug 2011 11:51 am Operator: VG
Sample : STD1 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:00:59 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

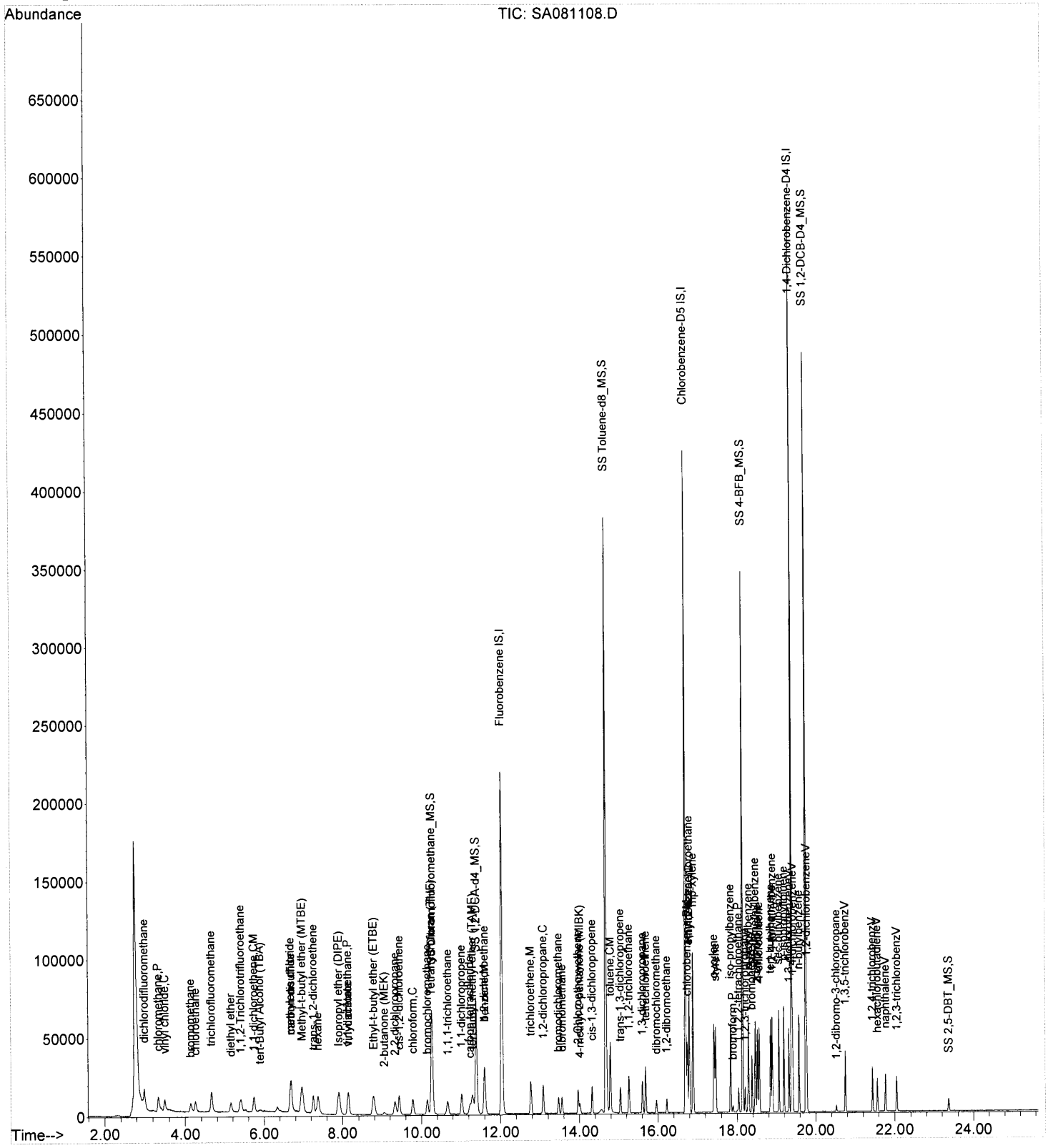
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
42)	dibromomethane	13.55	93	4707	1.021 ug/L	93
43)	bromodichloromethane	13.47	83	7829	0.759 ug/L	99
44)	2-Chloroethoxyethene	13.97	63	7099	5.624 ug/L #	92
45)	4-methyl-2-pentanone (MIBK	14.01	58	2254	1.026 ug/L	89
46)	cis-1,3-dichloropropene	14.32	75	10082	0.897 ug/L	97
49)	toluene	14.79	91	37186	1.045 ug/L	99
50)	trans-1,3-dichloropropene	15.04	75	8328	0.793 ug/L	98
51)	1,1,2-trichloroethane	15.26	83	5393	0.958 ug/L	95
53)	tetrachloroethene	15.69	166	9502	0.966 ug/L	99
54)	1,3-dichloropropane	15.60	76	11268	0.969 ug/L	98
55)	dibromochloromethane	15.96	129	4688	0.654 ug/L #	97
56)	1,2-dibromoethane	16.22	107	6219	0.902 ug/L #	98
57)	chlorobenzene	16.75	112	25626	1.038 ug/L	95
58)	1,1,1,2-tetrachloroethane	16.79	131	6021	0.810 ug/L #	74
59)	ethylbenzene	16.80	91	41261	1.039 ug/L	99
60)	mp-xylene	16.89	106	33233	2.063 ug/L	99
61)	o-xylene	17.42	106	16023	1.048 ug/L	98
62)	styrene	17.46	104	25855	0.953 ug/L	99
63)	bromoform	17.89	173	2131	0.529 ug/L #	96
64)	iso-propylbenzene	17.83	105	37969	1.029 ug/L	100
67)	bromobenzene	18.38	156	10028	1.047 ug/L	98
68)	1,1,2,2-tetrachloroethane	18.04	83	7367	1.004 ug/L #	1
69)	1,2,3-trichloropropane	18.21	110	2151	0.935 ug/L	91
71)	n-propylbenzene	18.29	91	47362	1.119 ug/L	99
72)	2-chlorotoluene	18.52	91	29460	1.084 ug/L	99
73)	4-chlorotoluene	18.56	91	28412	1.043 ug/L	96
74)	1,3,5-trimethylbenzene	18.46	105	32717	1.054 ug/L	98
75)	tert-butylbenzene	18.85	119	28715	1.093 ug/L	99
76)	1,2,4-trimethylbenzene	18.89	105	33992	1.052 ug/L	99
77)	sec-butylbenzene	19.06	105	41157	1.076 ug/L	98
78)	1,3-dichlorobenzeneV	19.32	146	19340	1.052 ug/L	99
79)	p-isopropyltoluene	19.19	119	33980	1.054 ug/L	99
80)	1,4-dichlorobenzeneV	19.42	146	19031m	1.024 ug/L	
81)	1,2-dichlorobenzeneV	19.78	146	17664	1.025 ug/L #	38
82)	n-butylbenzene	19.58	91	28881	1.033 ug/L	99
84)	1,2-dibromo-3-chloropropan	20.52	157	1029	0.770 ug/L #	89
85)	1,3,5-trichlorobenzV	20.75	180	11535	1.043 ug/L	97
86)	1,2,4-trichlorobenzV	21.44	180	9249	1.019 ug/L	97
87)	hexachlorobutadieneV	21.56	225	4451	0.984 ug/L	99
88)	naphthaleneV	21.77	128	20965	0.977 ug/L	98
89)	1,2,3-trichlorobenzV	22.06	180	8398	1.028 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081108.D Vial: 8
Acq On : 11 Aug 2011 11:51 am Operator: VG
Sample : STD1 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 10:11 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081109.D Vial: 9
Acq On : 11 Aug 2011 12:25 pm Operator: VG
Sample : STD2 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:12 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	309576	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	243391	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	132136	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	72269	9.09	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 90.87%			
35) SS 1,2-DCA-d4_MS	11.39	65	77130	8.16	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 81.60%			
48) SS Toluene-d8_MS	14.67	98	304654	9.80	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.01%			
65) SS 4-BFB_MS	18.14	95	113950	9.88	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.76%			
83) SS 1,2-DCB-D4_MS	19.76	152	116805	9.52	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.24%			
90) SS 2,5-DBT_MS	23.36	250	4093	4.95	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 12.38%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	3.00	85	33056	3.571	ug/L	99
3) chloromethane	3.33	50	38024	3.322	ug/L	100
4) vinyl chloride	3.48	62	22616	2.688	ug/L	97
5) bromomethane	4.13	94	14928	3.668	ug/L	95
6) chloroethane	4.26	64	18777	2.828	ug/L	97
7) trichlorofluoromethane	4.66	101	39134	3.132	ug/L	99
8) diethyl ether	5.15	59	10534	1.341	ug/L	92
9) 1,1,2-Trichlorotrifluoroet	5.41	101	13501	1.622	ug/L	99
10) acrolein	5.39	56	1249	1.357	ug/L	84
11) acetone	5.52	43	5153	2.231	ug/L #	88
12) 1,1-dichloroethene	5.73	96	12316	1.545	ug/L	88
13) tert-Butyl Alcohol (TBA)	5.89	59	4253	6.476	ug/L #	57
14) Iodomethane	6.33	142	17460	4.927	ug/L #	97
15) methylene chloride	6.67	84	14498	1.420	ug/L	94
16) carbon disulfide	6.70	76	43884	1.681	ug/L	98
17) acrylonitrile	6.93	53	5165	1.350	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.96	73	58057	2.702	ug/L	97
19) trans-1,2-dichloroethene	7.25	96	13680	1.527	ug/L	89
20) hexane	7.38	57	19857	1.345	ug/L	94
21) Isopropyl ether (DIPE)	7.90	45	51249	1.778	ug/L	98
22) vinyl acetate	8.14	43	38608	3.371	ug/L	99
23) 1,1-dichloroethane	8.13	63	27057	1.735	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	8.78	59	40365	1.742	ug/L	98
25) 2,2-dichloropropane	9.33	77	17387	1.784	ug/L	99
26) cis-1,2-dichloroethene	9.44	61	21790	1.783	ug/L	95
27) 2-butanone (MEK)	9.05	43	6292	2.123	ug/L #	97
28) bromochloromethane	10.15	128	7606	1.867	ug/L	98
29) Tetrahydrofuran (THF)	10.24	42	3852	2.016	ug/L	93
30) chloroform	9.79	83	30868	2.137	ug/L	99
32) 1,1,1-trichloroethane	10.66	97	19180	1.678	ug/L	97
33) carbon tetrachloride	11.24	117	13683	1.435	ug/L	97
34) 1,1-dichloropropene	11.02	75	20256	1.839	ug/L	99
36) tert-amyl methyl ether (TA	11.29	73	31071	1.813	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081109.D Vial: 9
Acq On : 11 Aug 2011 12:25 pm Operator: VG
Sample : STD2 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:12 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

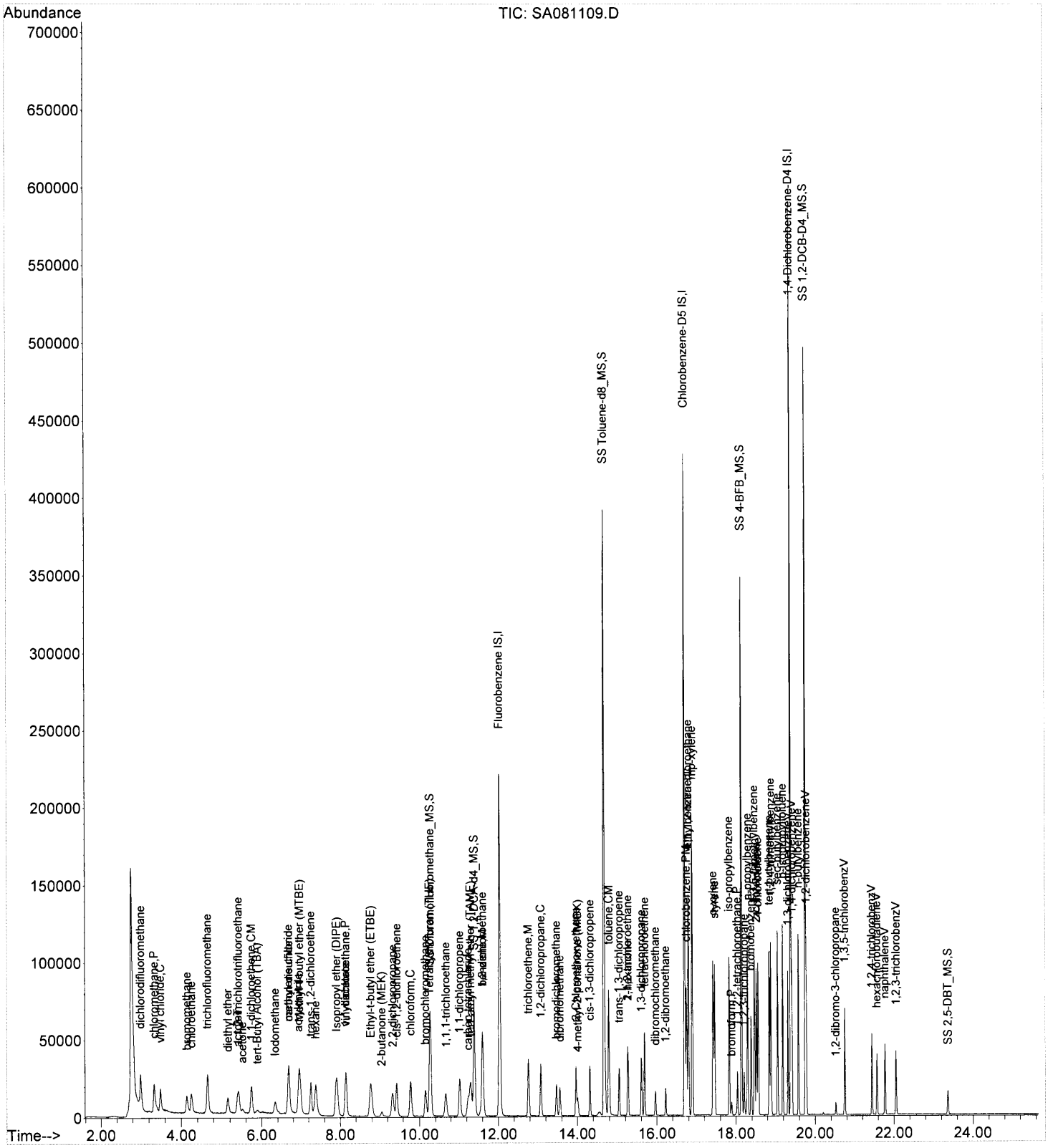
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37) benzene	11.60	78	62527	1.915 ug/L	97
38) 1,2-dichloroethane	11.59	62	18552	1.583 ug/L	97
39) trichloroethene	12.76	95	15591	1.875 ug/L	96
40) 1,2-dichloropropane	13.08	63	15972	1.782 ug/L	97
42) dibromomethane	13.56	93	8232	1.768 ug/L	95
43) bromodichloromethane	13.47	83	15323	1.471 ug/L	99
44) 2-Chloroethoxyethene	13.97	63	14489	7.371 ug/L	95
45) 4-methyl-2-pentanone (MIBK	14.01	58	4174	1.883 ug/L	91
46) cis-1,3-dichloropropene	14.32	75	18514	1.632 ug/L	98
49) toluene	14.79	91	67199	1.873 ug/L	99
50) trans-1,3-dichloropropene	15.05	75	15275	1.444 ug/L	97
51) 1,1,2-trichloroethane	15.26	83	9820	1.731 ug/L	94
52) 2-hexanone	15.27	43	7675	1.962 ug/L	98
53) tetrachloroethene	15.69	166	16985	1.714 ug/L	98
54) 1,3-dichloropropane	15.60	76	20080	1.713 ug/L	99
55) dibromochloromethane	15.96	129	8653	1.198 ug/L #	99
56) 1,2-dibromoethane	16.22	107	11768	1.694 ug/L	99
57) chlorobenzene	16.75	112	45421	1.826 ug/L	96
58) 1,1,1,2-tetrachloroethane	16.79	131	11035	1.473 ug/L	98
59) ethylbenzene	16.79	91	74873	1.870 ug/L	99
60) mp-xylene	16.89	106	60905	3.752 ug/L	97
61) o-xylene	17.42	106	28857	1.872 ug/L	99
62) styrene	17.46	104	48293	1.766 ug/L	99
63) bromoform	17.89	173	3893	0.959 ug/L	99
64) iso-propylbenzene	17.83	105	69358	1.866 ug/L	99
67) bromobenzene	18.38	156	18031	1.855 ug/L	98
68) 1,1,2,2-tetrachloroethane	18.04	83	13376	1.795 ug/L #	1
69) 1,2,3-trichloropropane	18.21	110	4021	1.721 ug/L	99
71) n-propylbenzene	18.29	91	84949	1.977 ug/L	99
72) 2-chlorotoluene	18.52	91	53835	1.952 ug/L	99
73) 4-chlorotoluene	18.56	91	51622	1.868 ug/L	96
74) 1,3,5-trimethylbenzene	18.46	105	60471	1.919 ug/L	98
75) tert-butylbenzene	18.85	119	52535	1.971 ug/L	99
76) 1,2,4-trimethylbenzene	18.89	105	62495	1.905 ug/L	99
77) sec-butylbenzene	19.06	105	76328	1.966 ug/L	99
78) 1,3-dichlorobenzeneV	19.32	146	33664	1.805 ug/L	100
79) p-isopropyltoluene	19.19	119	63362	1.937 ug/L	100
80) 1,4-dichlorobenzeneV	19.42	146	34004m	1.803 ug/L	
81) 1,2-dichlorobenzeneV	19.78	146	31836	1.819 ug/L #	80
82) n-butylbenzene	19.58	91	54146	1.908 ug/L	100
84) 1,2-dibromo-3-chloropropan	20.52	157	1793	1.323 ug/L	95
85) 1,3,5-trichlorobenzV	20.75	180	20675	1.842 ug/L	98
86) 1,2,4-trichlorobenzV	21.44	180	17006	1.846 ug/L	97
87) hexachlorobutadieneV	21.57	225	8235	1.793 ug/L	98
88) naphthaleneV	21.77	128	38405	1.763 ug/L	99
89) 1,2,3-trichlorobenzV	22.05	180	14931	1.800 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081109.D Vial: 9
Acq On : 11 Aug 2011 12:25 pm Operator: VG
Sample : STD2 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 14 16:10 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081110.D Vial: 10
Acq On : 11 Aug 2011 12:59 pm Operator: VG
Sample : STD5 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:05 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	310043	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	245432	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	133313	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	73147	9.18	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 91.84%			
35) SS 1,2-DCA-d4_MS	11.39	65	77164	8.15	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 81.51%			
48) SS Toluene-d8_MS	14.67	98	306920	9.79	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.91%			
65) SS 4-BFB_MS	18.14	95	114838	9.87	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.70%			
83) SS 1,2-DCB-D4_MS	19.76	152	118077	9.54	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.43%			
90) SS 2,5-DBT_MS	23.36	250	12831	7.50	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 18.75%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	3.00	85	76090	8.207	ug/L	98
3) chloromethane	3.33	50	86095	7.510	ug/L	99
4) vinyl chloride	3.48	62	50457	5.987	ug/L	99
5) bromomethane	4.14	94	39598	8.192	ug/L	94
6) chloroethane	4.26	64	44870	6.749	ug/L	98
7) trichlorofluoromethane	4.66	101	92034	7.354	ug/L	99
8) diethyl ether	5.15	59	30096	3.826	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	5.40	101	35471	4.256	ug/L	99
10) acrolein	5.41	56	2887m	3.133	ug/L	
11) acetone	5.51	43	11557	4.996	ug/L	90
12) 1,1-dichloroethene	5.74	96	32558	4.078	ug/L	87
13) tert-Butyl Alcohol (TBA)	5.90	59	11557	17.572	ug/L	97
14) Iodomethane	6.33	142	53735	8.168	ug/L #	94
15) methylene chloride	6.67	84	37140	3.633	ug/L	95
16) carbon disulfide	6.70	76	106683	4.080	ug/L	99
17) acrylonitrile	6.93	53	14543	3.794	ug/L	98
18) Methyl-t-butyl ether (MTBE	6.96	73	163351	7.590	ug/L	96
19) trans-1,2-dichloroethene	7.25	96	36732	4.093	ug/L	89
20) hexane	7.38	57	51556	3.487	ug/L	97
21) Isopropyl ether (DIPE)	7.91	45	143581	4.973	ug/L	98
22) vinyl acetate	8.14	43	94290	8.221	ug/L	99
23) 1,1-dichloroethane	8.14	63	72998	4.675	ug/L	97
24) Ethyl-t-butyl ether (ETBE)	8.78	59	113514	4.892	ug/L	97
25) 2,2-dichloropropane	9.33	77	46749	4.789	ug/L	97
26) cis-1,2-dichloroethene	9.44	61	59411	4.854	ug/L	93
27) 2-butanone (MEK)	9.05	43	17378	5.854	ug/L	99
28) bromochloromethane	10.15	128	21299	5.220	ug/L	96
29) Tetrahydrofuran (THF)	10.22	42	10157	5.308	ug/L	99
30) chloroform	9.79	83	67584	4.672	ug/L	100
32) 1,1,1-trichloroethane	10.66	97	52498	4.587	ug/L	97
33) carbon tetrachloride	11.23	117	38530	4.036	ug/L	99
34) 1,1-dichloropropene	11.02	75	53775	4.875	ug/L	98
36) tert-amyl methyl ether (TA	11.29	73	87958	5.125	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081110.D Vial: 10
Acq On : 11 Aug 2011 12:59 pm Operator: VG
Sample : STD5 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:05 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

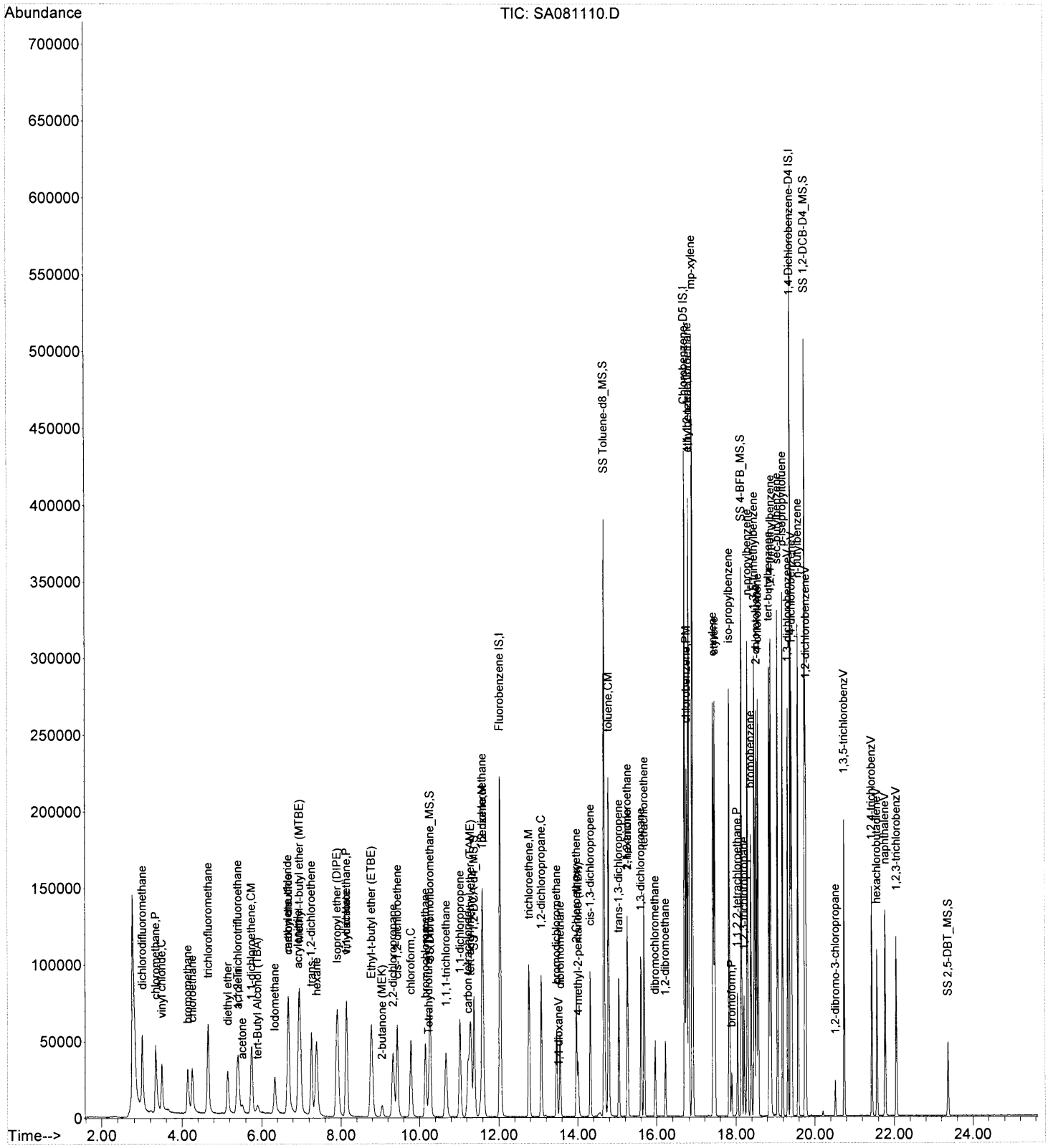
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37)	benzene	11.60	78	171096	5.231 ug/L	97
38)	1,2-dichloroethane	11.59	62	51440	4.383 ug/L	97
39)	trichloroethene	12.77	95	41779	5.017 ug/L	97
40)	1,2-dichloropropane	13.08	63	44552	4.963 ug/L	97
41)	1,4-dioxaneV	13.51	88	972	16.596 ug/L #	81
42)	dibromomethane	13.55	93	23081	4.950 ug/L	98
43)	bromodichloromethane	13.47	83	43166	4.137 ug/L	99
44)	2-Chloroethoxyethene	13.97	63	37702	12.893 ug/L	95
45)	4-methyl-2-pentanone (MIBK	14.01	58	12240	5.512 ug/L	99
46)	cis-1,3-dichloropropene	14.32	75	54697	4.815 ug/L	98
49)	toluene	14.79	91	182955	5.057 ug/L	99
50)	trans-1,3-dichloropropene	15.04	75	46825	4.389 ug/L	99
51)	1,1,2-trichloroethane	15.26	83	27670	4.836 ug/L	95
52)	2-hexanone	15.27	43	22483	5.700 ug/L	99
53)	tetrachloroethene	15.69	166	45177	4.520 ug/L	99
54)	1,3-dichloropropane	15.60	76	56002	4.737 ug/L	99
55)	dibromochloromethane	15.96	129	27104	3.721 ug/L #	98
56)	1,2-dibromoethane	16.22	107	33303	4.754 ug/L	99
57)	chlorobenzene	16.75	112	123132	4.910 ug/L	97
58)	1,1,1,2-tetrachloroethane	16.79	131	33995	4.499 ug/L	99
59)	ethylbenzene	16.79	91	205815	5.098 ug/L	99
60)	mp-xylene	16.89	106	166547	10.174 ug/L	98
61)	o-xylene	17.42	106	79402	5.108 ug/L	99
62)	styrene	17.46	104	135580	4.916 ug/L	99
63)	bromoform	17.89	173	12522	3.058 ug/L	99
64)	iso-propylbenzene	17.83	105	189592	5.057 ug/L	99
67)	bromobenzene	18.38	156	50937	5.194 ug/L	98
68)	1,1,2,2-tetrachloroethane	18.03	83	38255	5.089 ug/L	99
69)	1,2,3-trichloropropane	18.21	110	11207	4.756 ug/L	99
71)	n-propylbenzene	18.29	91	238006	5.490 ug/L	100
72)	2-chlorotoluene	18.52	91	147615	5.304 ug/L	100
73)	4-chlorotoluene	18.56	91	143152	5.133 ug/L	96
74)	1,3,5-trimethylbenzene	18.46	105	168256	5.293 ug/L	98
75)	tert-butylbenzene	18.85	119	143765	5.345 ug/L	100
76)	1,2,4-trimethylbenzene	18.89	105	173844	5.253 ug/L	99
77)	sec-butylbenzene	19.06	105	209299	5.344 ug/L	99
78)	1,3-dichlorobenzeneV	19.32	146	96774	5.142 ug/L	98
79)	p-isopropyltoluene	19.19	119	177840	5.388 ug/L	99
80)	1,4-dichlorobenzeneV	19.42	146	95966	5.044 ug/L	95
81)	1,2-dichlorobenzeneV	19.78	146	87795	4.973 ug/L #	89
82)	n-butylbenzene	19.58	91	149233	5.213 ug/L	99
84)	1,2-dibromo-3-chloropropan	20.52	157	5837	4.268 ug/L	93
85)	1,3,5-trichlorobenzV	20.75	180	58368	5.153 ug/L	97
86)	1,2,4-trichlorobenzV	21.44	180	48094	5.175 ug/L	98
87)	hexachlorobutadieneV	21.56	225	22398	4.835 ug/L	98
88)	naphthaleneV	21.77	128	114323	5.203 ug/L	99
89)	1,2,3-trichlorobenzV	22.06	180	42194	5.043 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081110.D Vial: 10
Acq On : 11 Aug 2011 12:59 pm Operator: VG
Sample : STD5 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 14 16:10 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081111.D Vial: 11
Acq On : 11 Aug 2011 1:33 pm Operator: VG
Sample : STD10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:17 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	301429	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	240408	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	131124	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.26	111	71482	9.23	ug/L	-0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 92.31%			
35) SS 1,2-DCA-d4_MS	11.39	65	75779	8.23	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 82.33%			
48) SS Toluene-d8_MS	14.67	98	299514	9.75	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.55%			
65) SS 4-BFB_MS	18.14	95	113128	9.93	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.26%			
83) SS 1,2-DCB-D4_MS	19.76	152	115264	9.47	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.71%			
90) SS 2,5-DBT_MS	23.36	250	25623	11.38	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 28.44%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	159441	17.688	ug/L	99
3) chloromethane	3.33	50	179818	16.134	ug/L	99
4) vinyl chloride	3.48	62	101087	12.338	ug/L	99
5) bromomethane	4.14	94	85701	17.104	ug/L	98
6) chloroethane	4.26	64	94107	14.559	ug/L	98
7) trichlorofluoromethane	4.65	101	194743	16.005	ug/L	100
8) diethyl ether	5.14	59	56152	7.343	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	5.41	101	68962	8.510	ug/L	98
10) acrolein	5.40	56	4448	4.965	ug/L	99
11) acetone	5.51	43	21354	9.495	ug/L	93
12) 1,1-dichloroethene	5.74	96	64298	8.283	ug/L	87
13) tert-Butyl Alcohol (TBA)	5.89	59	21408	33.480	ug/L #	86
14) Iodomethane	6.33	142	122638	14.642	ug/L #	92
15) methylene chloride	6.67	84	70156	7.058	ug/L	93
16) carbon disulfide	6.70	76	211204	8.308	ug/L	98
17) acrylonitrile	6.93	53	26914	7.222	ug/L	98
18) Methyl-t-butyl ether (MTBE	6.96	73	304073	14.533	ug/L	95
19) trans-1,2-dichloroethene	7.26	96	71632	8.210	ug/L	89
20) hexane	7.38	57	101033	7.028	ug/L	98
21) Isopropyl ether (DIPE)	7.91	45	270569	9.639	ug/L	97
22) vinyl acetate	8.14	43	190806	17.111	ug/L	100
23) 1,1-dichloroethane	8.14	63	138713	9.138	ug/L	97
24) Ethyl-t-butyl ether (ETBE)	8.77	59	211916	9.394	ug/L	97
25) 2,2-dichloropropane	9.34	77	91520	9.643	ug/L	97
26) cis-1,2-dichloroethene	9.44	61	112895	9.486	ug/L	94
27) 2-butanone (MEK)	9.05	43	31676	10.975	ug/L	97
28) bromochloromethane	10.15	128	40241	10.144	ug/L	96
29) Tetrahydrofuran (THF)	10.22	42	18054	9.705	ug/L	99
30) chloroform	9.79	83	127158	9.042	ug/L	99
32) 1,1,1-trichloroethane	10.66	97	103594	9.310	ug/L	97
33) carbon tetrachloride	11.23	117	78396	8.446	ug/L	98
34) 1,1-dichloropropene	11.03	75	104671	9.760	ug/L	98
36) tert-amyl methyl ether (TA	11.29	73	163587	9.804	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081111.D Vial: 11
Acq On : 11 Aug 2011 1:33 pm Operator: VG
Sample : STD10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:17 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

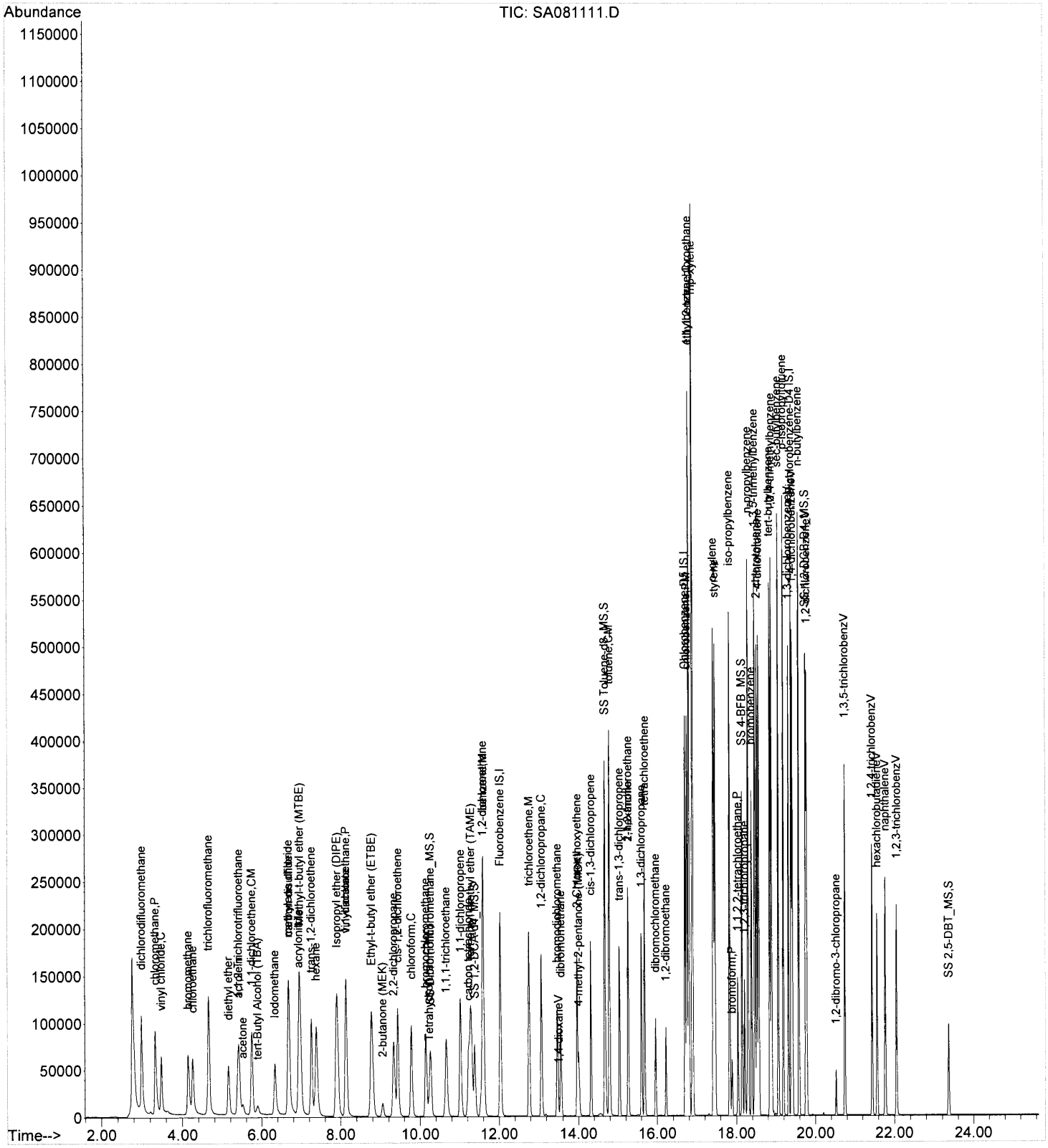
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37)	benzene	11.60	78	323268	10.166 ug/L	97
38)	1,2-dichloroethane	11.58	62	95325	8.354 ug/L	97
39)	trichloroethene	12.77	95	81781	10.101 ug/L	98
40)	1,2-dichloropropane	13.08	63	83435	9.559 ug/L	95
41)	1,4-dioxaneV	13.51	88	2464	43.274 ug/L	93
42)	dibromomethane	13.55	93	42987	9.482 ug/L	97
43)	bromodichloromethane	13.47	83	85228	8.402 ug/L	99
44)	2-Chloroethoxyethene	13.97	63	77969	23.013 ug/L #	94
45)	4-methyl-2-pentanone (MIBK	14.01	58	22853	10.586 ug/L	99
46)	cis-1,3-dichloropropene	14.32	75	106491	9.642 ug/L	97
49)	toluene	14.79	91	346379	9.775 ug/L	99
50)	trans-1,3-dichloropropene	15.04	75	91086	8.717 ug/L	99
51)	1,1,2-trichloroethane	15.26	83	51177	9.132 ug/L	94
52)	2-hexanone	15.26	43	42005	10.872 ug/L	98
53)	tetrachloroethene	15.69	166	88119	9.000 ug/L	98
54)	1,3-dichloropropane	15.60	76	104859	9.054 ug/L	97
55)	dibromochloromethane	15.96	129	55926	7.838 ug/L #	98
56)	1,2-dibromoethane	16.22	107	62494	9.108 ug/L	99
57)	chlorobenzene	16.75	112	233142	9.490 ug/L	98
58)	1,1,1,2-tetrachloroethane	16.79	131	66375	8.968 ug/L	99
59)	ethylbenzene	16.79	91	392932	9.937 ug/L	99
60)	mp-xylene	16.89	106	319220	19.908 ug/L	97
61)	o-xylene	17.42	106	152894	10.042 ug/L	98
62)	styrene	17.46	104	256591	9.498 ug/L	99
63)	bromoform	17.89	173	26582	6.626 ug/L	99
64)	iso-propylbenzene	17.83	105	368055	10.023 ug/L	99
67)	bromobenzene	18.38	156	95510	9.901 ug/L	98
68)	1,1,2,2-tetrachloroethane	18.04	83	70411	9.523 ug/L	98
69)	1,2,3-trichloropropane	18.21	110	20950	9.038 ug/L	99
71)	n-propylbenzene	18.29	91	459812	10.784 ug/L	100
72)	2-chlorotoluene	18.52	91	280191	10.236 ug/L	99
73)	4-chlorotoluene	18.56	91	270572	9.865 ug/L	96
74)	1,3,5-trimethylbenzene	18.46	105	324372	10.374 ug/L	98
75)	tert-butylbenzene	18.85	119	279323	10.559 ug/L	99
76)	1,2,4-trimethylbenzene	18.89	105	332064	10.202 ug/L	99
77)	sec-butylbenzene	19.06	105	408698	10.610 ug/L	99
78)	1,3-dichlorobenzeneV	19.32	146	181033	9.780 ug/L	99
79)	p-isopropyltoluene	19.19	119	344438	10.609 ug/L	99
80)	1,4-dichlorobenzeneV	19.42	146	180026	9.619 ug/L	95
81)	1,2-dichlorobenzeneV	19.78	146	166382	9.581 ug/L	97
82)	n-butylbenzene	19.58	91	295425	10.493 ug/L	100
84)	1,2-dibromo-3-chloropropan	20.52	157	11538	8.577 ug/L	94
85)	1,3,5-trichlorobenzV	20.75	180	111549	10.013 ug/L	98
86)	1,2,4-trichlorobenzV	21.44	180	93224	10.198 ug/L	97
87)	hexachlorobutadieneV	21.56	225	44595	9.787 ug/L	99
88)	naphthaleneV	21.77	128	221328	10.240 ug/L	98
89)	1,2,3-trichlorobenzV	22.06	180	80786	9.816 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081111.D Vial: 11
Acq On : 11 Aug 2011 1:33 pm Operator: VG
Sample : STD10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081113.D Vial: 13
Acq On : 11 Aug 2011 2:41 pm Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:23 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	306806	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	244823	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	135312	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	72560	9.21	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 92.06%			
35) SS 1,2-DCA-d4_MS	11.39	65	76495	8.17	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 81.66%			
48) SS Toluene-d8_MS	14.67	98	303346	9.70	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.01%			
65) SS 4-BFB_MS	18.14	95	116704	10.06	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.55%			
83) SS 1,2-DCB-D4_MS	19.76	152	118885	9.47	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.66%			
90) SS 2,5-DBT_MS	23.36	250	58364	20.60	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 51.50%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	3.00	85	338160	36.857	ug/L	98
3) chloromethane	3.33	50	380140	33.511	ug/L	100
4) vinyl chloride	3.48	62	202261	24.254	ug/L	100
5) bromomethane	4.14	94	188905	35.963	ug/L	100
6) chloroethane	4.26	64	196837	29.918	ug/L	98
7) trichlorofluoromethane	4.66	101	415066	33.515	ug/L	99
8) diethyl ether	5.15	59	119260	15.323	ug/L	97
9) 1,1,2-Trichlorotrifluoroet	5.41	101	148811	18.042	ug/L	98
10) acrolein	5.41	56	8281m	9.081	ug/L	
11) acetone	5.51	43	43494	19.001	ug/L	93
12) 1,1-dichloroethene	5.74	96	139899	17.706	ug/L	86
13) tert-Butyl Alcohol (TBA)	5.90	59	43772	67.256	ug/L	90
14) Iodomethane	6.33	142	282213	28.861	ug/L #	95
15) methylene chloride	6.67	84	146038	14.434	ug/L	93
16) carbon disulfide	6.70	76	446680	17.262	ug/L	98
17) acrylonitrile	6.93	53	55794	14.710	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.96	73	642306	30.161	ug/L	95
19) trans-1,2-dichloroethene	7.26	96	152663	17.190	ug/L	89
20) hexane	7.38	57	216745	14.813	ug/L	99
21) Isopropyl ether (DIPE)	7.90	45	574622	20.113	ug/L	97
22) vinyl acetate	8.15	43	406920	35.851	ug/L	99
23) 1,1-dichloroethane	8.14	63	296357	19.180	ug/L	97
24) Ethyl-t-butyl ether (ETBE)	8.77	59	454353	19.788	ug/L	96
25) 2,2-dichloropropane	9.34	77	198240	20.522	ug/L	95
26) cis-1,2-dichloroethene	9.44	61	240458	19.851	ug/L	94
27) 2-butanone (MEK)	9.04	43	64303	21.890	ug/L	97
28) bromochloromethane	10.15	128	85487	21.171	ug/L	96
29) Tetrahydrofuran (THF)	10.23	42	36749	19.408	ug/L	98
30) chloroform	9.78	83	272646	19.048	ug/L	99
32) 1,1,1-trichloroethane	10.67	97	227854	20.118	ug/L	97
33) carbon tetrachloride	11.23	117	180723	19.129	ug/L	99
34) 1,1-dichloropropene	11.03	75	228854	20.966	ug/L	97
36) tert-amyl methyl ether (TA	11.29	73	348733	20.533	ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081113.D Vial: 13
Acq On : 11 Aug 2011 2:41 pm Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:23 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

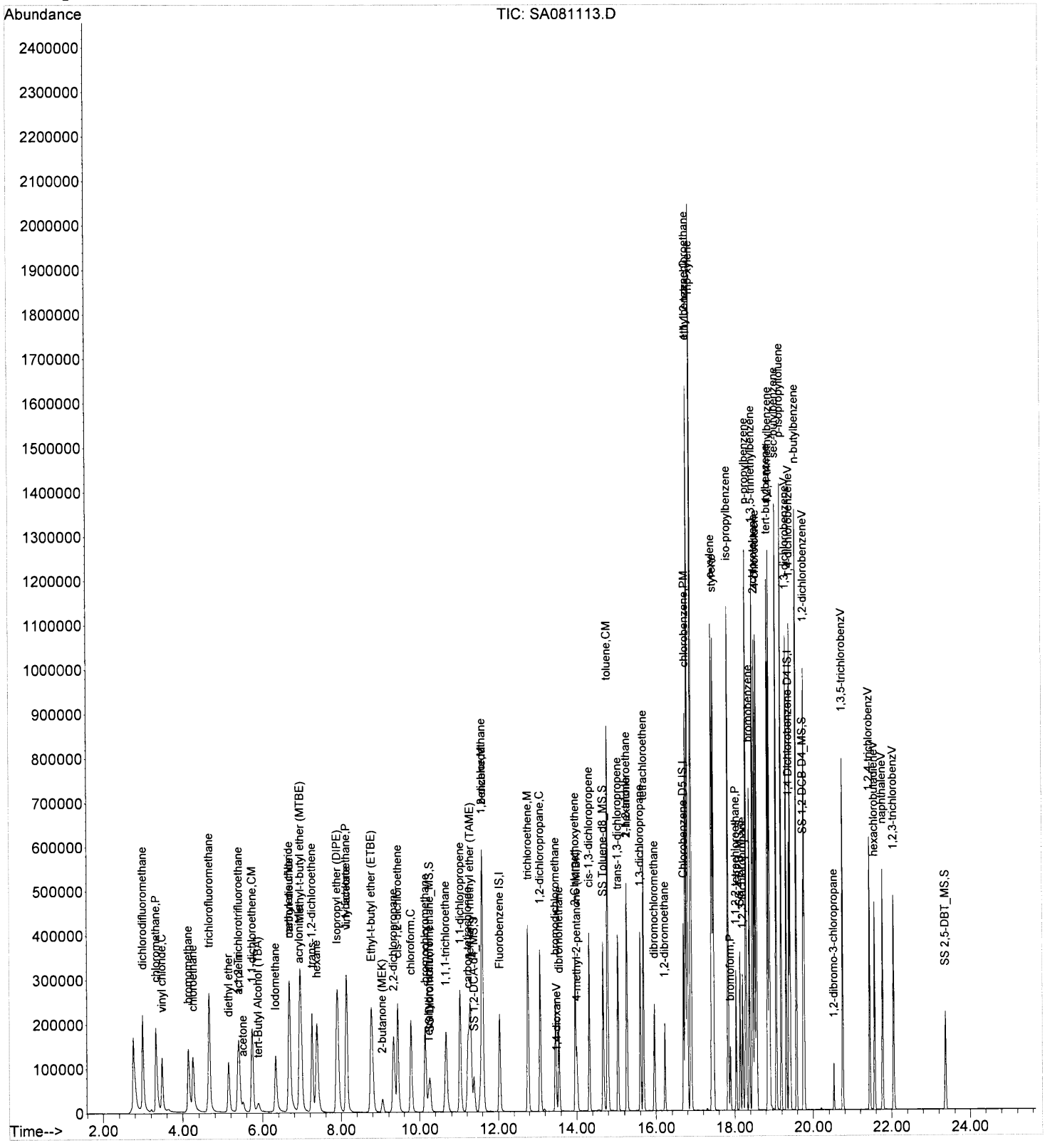
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37)	benzene	11.60	78	692122	21.385 ug/L	97
38)	1,2-dichloroethane	11.59	62	202187	17.409 ug/L	97
39)	trichloroethene	12.77	95	174919	21.227 ug/L	98
40)	1,2-dichloropropane	13.08	63	177998	20.036 ug/L	95
41)	1,4-dioxaneV	13.50	88	4991	86.118 ug/L	93
42)	dibromomethane	13.55	93	90861	19.691 ug/L	98
43)	bromodichloromethane	13.47	83	189797	18.383 ug/L	99
44)	2-Chloroethoxyethene	13.97	63	163058	43.156 ug/L	95
45)	4-methyl-2-pentanone (MIBK	14.01	58	48653	22.142 ug/L	96
46)	cis-1,3-dichloropropene	14.32	75	232783	20.708 ug/L	97
49)	toluene	14.79	91	738454	20.463 ug/L	99
50)	trans-1,3-dichloropropene	15.04	75	203552	19.128 ug/L	98
51)	1,1,2-trichloroethane	15.26	83	108808	19.065 ug/L	95
52)	2-hexanone	15.26	43	88132	22.400 ug/L	97
53)	tetrachloroethene	15.69	166	188452	18.901 ug/L	99
54)	1,3-dichloropropane	15.60	76	219145	18.581 ug/L	98
55)	dibromochloromethane	15.96	129	128660	17.706 ug/L #	99
56)	1,2-dibromoethane	16.22	107	134107	19.192 ug/L	99
57)	chlorobenzene	16.75	112	493484	19.726 ug/L	98
58)	1,1,1,2-tetrachloroethane	16.79	131	149044	19.775 ug/L	99
59)	ethylbenzene	16.79	91	843257	20.941 ug/L	99
60)	mp-xylene	16.89	106	674020	41.276 ug/L	98
61)	o-xylene	17.42	106	328347	21.176 ug/L	98
62)	styrene	17.46	104	549160	19.962 ug/L	99
63)	bromoform	17.89	173	65149	15.947 ug/L	99
64)	iso-propylbenzene	17.83	105	790165	21.130 ug/L	99
67)	bromobenzene	18.38	156	204966	20.590 ug/L	97
68)	1,1,2,2-tetrachloroethane	18.04	83	148861	19.510 ug/L	99
69)	1,2,3-trichloropropane	18.21	110	44883	18.764 ug/L	97
71)	n-propylbenzene	18.29	91	980756	22.290 ug/L	100
72)	2-chlorotoluene	18.52	91	592686	20.982 ug/L	99
73)	4-chlorotoluene	18.56	91	575143	20.320 ug/L	96
74)	1,3,5-trimethylbenzene	18.46	105	699374	21.676 ug/L	99
75)	tert-butylbenzene	18.85	119	599910	21.976 ug/L	99
76)	1,2,4-trimethylbenzene	18.89	105	709802	21.132 ug/L	99
77)	sec-butylbenzene	19.06	105	877316	22.071 ug/L	99
78)	1,3-dichlorobenzeneV	19.32	146	386859	20.253 ug/L	99
79)	p-isopropyltoluene	19.19	119	740925	22.115 ug/L	99
80)	1,4-dichlorobenzeneV	19.42	146	384343	19.901 ug/L	98
81)	1,2-dichlorobenzeneV	19.78	146	351486	19.614 ug/L	99
82)	n-butylbenzene	19.58	91	636695	21.914 ug/L	100
84)	1,2-dibromo-3-chloropropan	20.52	157	25967	18.705 ug/L	94
85)	1,3,5-trichlorobenzV	20.75	180	240479	20.919 ug/L	98
86)	1,2,4-trichlorobenzV	21.44	180	201425	21.353 ug/L	97
87)	hexachlorobutadieneV	21.56	225	98004	20.842 ug/L	98
88)	naphthaleneV	21.77	128	472261	21.174 ug/L	99
89)	1,2,3-trichlorobenzV	22.06	180	174242	20.517 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081113.D Vial: 13
Acq On : 11 Aug 2011 2:41 pm Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 14 16:13 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081115.D Vial: 15
Acq On : 11 Aug 2011 3:48 pm Operator: VG
Sample : 50 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:34 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	313860	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	250054	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	140253	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.26	111	75237	9.33	ug/L	-0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.31%			
35) SS 1,2-DCA-d4_MS	11.39	65	78548	8.20	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 81.96%			
48) SS Toluene-d8_MS	14.67	98	310564	9.72	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.24%			
65) SS 4-BFB_MS	18.14	95	119174	10.05	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.53%			
83) SS 1,2-DCB-D4_MS	19.76	152	123169	9.46	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.62%			
90) SS 2,5-DBT_MS	23.36	250	169831	51.08	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 127.69%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	910106	96.966	ug/L	98
3) chloromethane	3.33	50	1026877	88.489	ug/L	100
4) vinyl chloride	3.48	62	457550	53.634	ug/L	98
5) bromomethane	4.14	94	536692	98.235	ug/L	99
6) chloroethane	4.25	64	518393	77.022	ug/L	98
7) trichlorofluoromethane	4.65	101	1118903	88.317	ug/L	99
8) diethyl ether	5.15	59	320499	40.253	ug/L	97
9) 1,1,2-Trichlorotrifluoroet	5.40	101	397436	47.102	ug/L	98
10) acrolein	5.40	56	18095	19.397	ug/L	90
11) acetone	5.51	43	112854	48.194	ug/L	92
12) 1,1-dichloroethene	5.74	96	369118	45.667	ug/L	87
13) tert-Butyl Alcohol (TBA)	5.89	59	119310	179.201	ug/L #	86
14) Iodomethane	6.33	142	835607	77.162	ug/L #	95
15) methylene chloride	6.67	84	385634	37.259	ug/L	92
16) carbon disulfide	6.70	76	1181757	44.643	ug/L	99
17) acrylonitrile	6.93	53	148363	38.237	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.96	73	1734089	79.597	ug/L	94
19) trans-1,2-dichloroethene	7.25	96	407948	44.903	ug/L	89
20) hexane	7.38	57	562447	37.575	ug/L	98
21) Isopropyl ether (DIPE)	7.91	45	1533304	52.462	ug/L	97
23) 1,1-dichloroethane	8.13	63	787765	49.838	ug/L	97
24) Ethyl-t-butyl ether (ETBE)	8.77	59	1225455	52.172	ug/L	96
25) 2,2-dichloropropane	9.33	77	533408	53.978	ug/L	94
26) cis-1,2-dichloroethene	9.43	61	639784	51.631	ug/L	93
27) 2-butanone (MEK)	9.04	43	170477	56.728	ug/L	96
28) bromochloromethane	10.15	128	229803	55.632	ug/L	95
29) Tetrahydrofuran (THF)	10.22	42	100373	51.817	ug/L	98
30) chloroform	9.78	83	734909	50.191	ug/L	99
32) 1,1,1-trichloroethane	10.66	97	623884	53.848	ug/L	96
33) carbon tetrachloride	11.23	117	523843	54.201	ug/L	99
34) 1,1-dichloropropene	11.03	75	605974	54.268	ug/L	97
36) tert-amyl methyl ether (TA	11.29	73	954530	54.939	ug/L #	93
37) benzene	11.60	78	1813521	54.775	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081115.D Vial: 15
Acq On : 11 Aug 2011 3:48 pm Operator: VG
Sample : 50 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:34 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

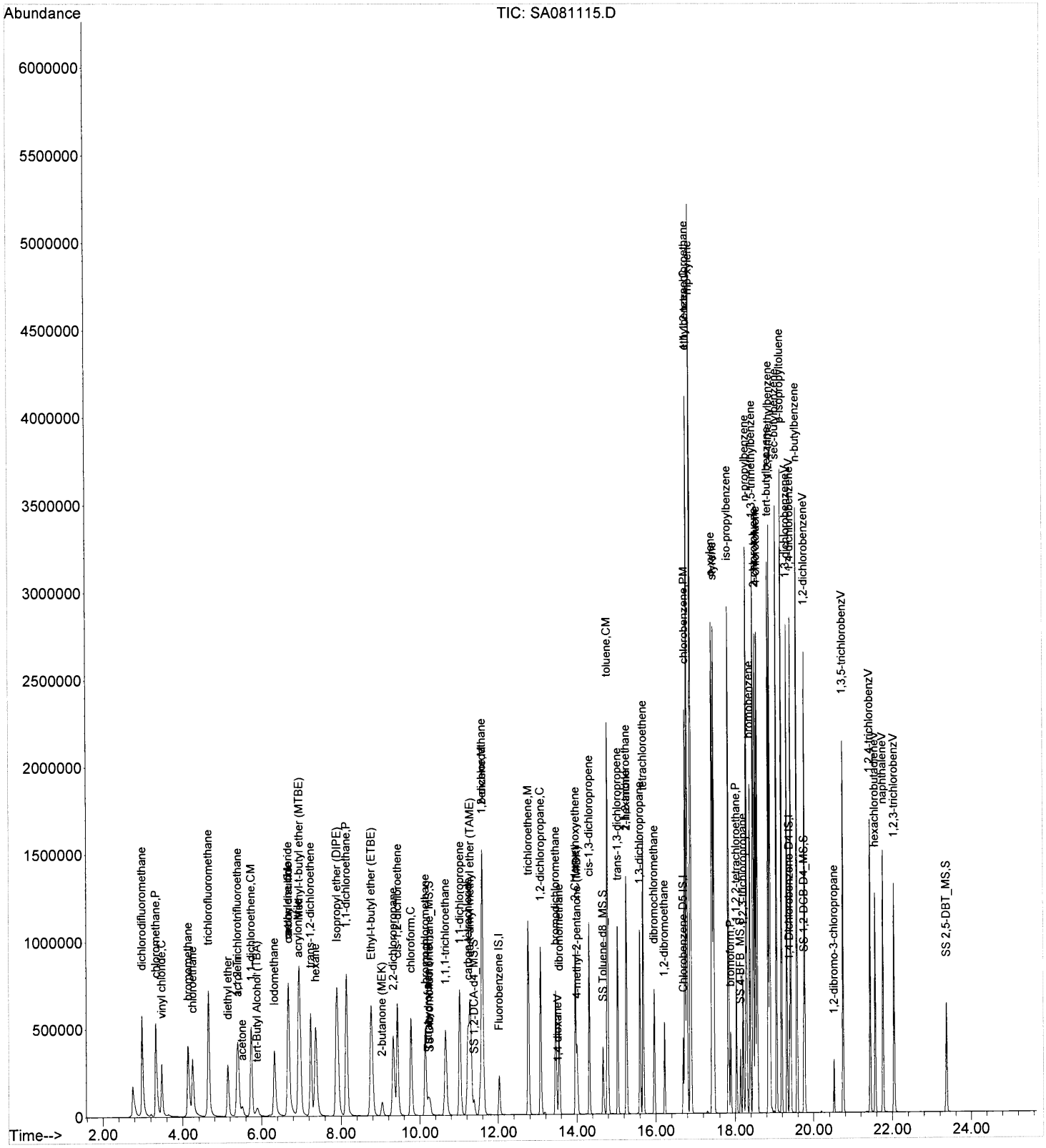
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
38)	1,2-dichloroethane	11.59	62	536091	45.121	ug/L		97
39)	trichloroethene	12.77	95	465472	55.217	ug/L		98
40)	1,2-dichloropropane	13.08	63	473959	52.152	ug/L		95
41)	1,4-dioxaneV	13.51	88	13983	235.850	ug/L		98
42)	dibromomethane	13.55	93	244496	51.794	ug/L		98
43)	bromodichloromethane	13.47	83	536448	50.791	ug/L		99
44)	2-Chloroethoxyethene	13.97	63	445867	108.804	ug/L		96
45)	4-methyl-2-pentanone (MIBK	14.01	58	132689	59.028	ug/L		83
46)	cis-1,3-dichloropropene	14.32	75	645929	56.168	ug/L		96
49)	toluene	14.79	91	1934627	52.488	ug/L		99
50)	trans-1,3-dichloropropene	15.05	75	573570	52.771	ug/L		97
51)	1,1,2-trichloroethane	15.26	83	288890	49.560	ug/L		94
52)	2-hexanone	15.26	43	235265	58.546	ug/L		97
53)	tetrachloroethene	15.69	166	499221	49.022	ug/L		98
54)	1,3-dichloropropane	15.60	76	592707	49.203	ug/L		96
55)	dibromochloromethane	15.96	129	387790	52.250	ug/L	#	99
56)	1,2-dibromoethane	16.22	107	361251	50.616	ug/L		100
57)	chlorobenzene	16.75	112	1297813	50.791	ug/L		98
58)	1,1,1,2-tetrachloroethane	16.79	131	409786	53.231	ug/L		99
59)	ethylbenzene	16.80	91	2182517	53.066	ug/L		99
60)	mp-xylene	16.89	106	1732731	103.891	ug/L		98
61)	o-xylene	17.42	106	854822	53.977	ug/L		99
62)	styrene	17.46	104	1448210	51.540	ug/L		98
63)	bromoform	17.89	173	210105	50.354	ug/L		99
64)	iso-propylbenzene	17.83	105	2069608	54.186	ug/L		99
67)	bromobenzene	18.38	156	547245	53.038	ug/L		96
68)	1,1,2,2-tetrachloroethane	18.04	83	402436	50.887	ug/L		98
69)	1,2,3-trichloropropane	18.21	110	119126	48.048	ug/L		98
71)	n-propylbenzene	18.29	91	2571647	56.388	ug/L		100
72)	2-chlorotoluene	18.52	91	1546469	52.819	ug/L		99
73)	4-chlorotoluene	18.56	91	1535158	52.327	ug/L		97
74)	1,3,5-trimethylbenzene	18.46	105	1832558	54.795	ug/L		99
75)	tert-butylbenzene	18.85	119	1570815	55.514	ug/L		99
76)	1,2,4-trimethylbenzene	18.89	105	1868507	53.668	ug/L		99
77)	sec-butylbenzene	19.06	105	2308290	56.026	ug/L		99
78)	1,3-dichlorobenzeneV	19.32	146	1023865	51.713	ug/L		98
79)	p-isopropyltoluene	19.19	119	1943995	55.980	ug/L		100
80)	1,4-dichlorobenzeneV	19.42	146	1016510	50.780	ug/L		97
81)	1,2-dichlorobenzeneV	19.78	146	940239	50.619	ug/L		97
82)	n-butylbenzene	19.58	91	1685728	55.976	ug/L		99
84)	1,2-dibromo-3-chloropropan	20.52	157	78659	54.665	ug/L		93
85)	1,3,5-trichlorobenzV	20.75	180	651648	54.688	ug/L		98
86)	1,2,4-trichlorobenzV	21.44	180	550179	56.269	ug/L		98
87)	hexachlorobutadieneV	21.57	225	265160	54.405	ug/L		98
88)	naphthaleneV	21.77	128	1309620	56.648	ug/L		99
89)	1,2,3-trichlorobenzV	22.06	180	477533	54.247	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081115.D Vial: 15
Acq On : 11 Aug 2011 3:48 pm Operator: VG
Sample : 50 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 10:12 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081116.D Vial: 16
Acq On : 11 Aug 2011 4:22 pm Operator: VG
Sample : STD 100 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:29 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	309767	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	246560	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	137003	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	73730	9.26	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 92.65%			
35) SS 1,2-DCA-d4_MS	11.39	65	75752	8.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 80.09%			
48) SS Toluene-d8_MS	14.67	98	305689	9.71	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.07%			
65) SS 4-BFB_MS	18.14	95	117450	10.05	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.48%			
83) SS 1,2-DCB-D4_MS	19.76	152	120992	9.51	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.15%			
90) SS 2,5-DBT_MS	23.36	250	349040	103.34	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 258.34%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	1841754	198.821	ug/L	98
3) chloromethane	3.33	50	2078540	181.480	ug/L	100
4) vinyl chloride	3.47	62	829085	98.469	ug/L	98
5) bromomethane	4.13	94	1114721	205.712	ug/L	99
6) chloroethane	4.24	64	1020599	153.644	ug/L	98
7) trichlorofluoromethane	4.65	101	2250414	179.977	ug/L	99
8) diethyl ether	5.15	59	627912	79.905	ug/L	96
9) 1,1,2-Trichlorotrifluoroet	5.40	101	781876	93.889	ug/L	97
10) acrolein	5.40	56	32011	34.768	ug/L	84
11) acetone	5.52	43	213351	92.315	ug/L	96
12) 1,1-dichloroethene	5.73	96	733773	91.981	ug/L	86
13) tert-Butyl Alcohol (TBA)	5.92	59	230624	350.969	ug/L #	86
14) Iodomethane	6.33	142	1732931	158.433	ug/L #	95
15) methylene chloride	6.67	84	750942	73.513	ug/L	91
16) carbon disulfide	6.69	76	2320762	88.830	ug/L	99
17) acrylonitrile	6.93	53	280365	73.211	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.96	73	3387456	157.543	ug/L #	94
19) trans-1,2-dichloroethene	7.25	96	801378	89.373	ug/L	89
20) hexane	7.38	57	1190154	80.561	ug/L	98
21) Isopropyl ether (DIPE)	7.91	45	2998926	103.963	ug/L	96
23) 1,1-dichloroethane	8.13	63	1536285	98.478	ug/L	97
24) Ethyl-t-butyl ether (ETBE)	8.77	59	2437100	105.127	ug/L	95
25) 2,2-dichloropropane	9.33	77	1077747	110.504	ug/L	92
26) cis-1,2-dichloroethene	9.43	61	1257487	102.821	ug/L	93
27) 2-butanone (MEK)	9.05	43	328427	110.732	ug/L	95
28) bromochloromethane	10.15	128	444613	109.057	ug/L	95
29) Tetrahydrofuran (THF)	10.22	42	192658	100.774	ug/L	97
30) chloroform	9.78	83	1447078	100.134	ug/L	99
32) 1,1,1-trichloroethane	10.66	97	1267925	110.881	ug/L	96
33) carbon tetrachloride	11.23	117	1104686	115.809	ug/L	99
34) 1,1-dichloropropene	11.03	75	1194603	108.395	ug/L	96
36) tert-amyl methyl ether (TA	11.29	73	1923568	112.176	ug/L #	91
37) benzene	11.60	78	3519797	107.715	ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081116.D Vial: 16
Acq On : 11 Aug 2011 4:22 pm Operator: VG
Sample : STD 100 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:29 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

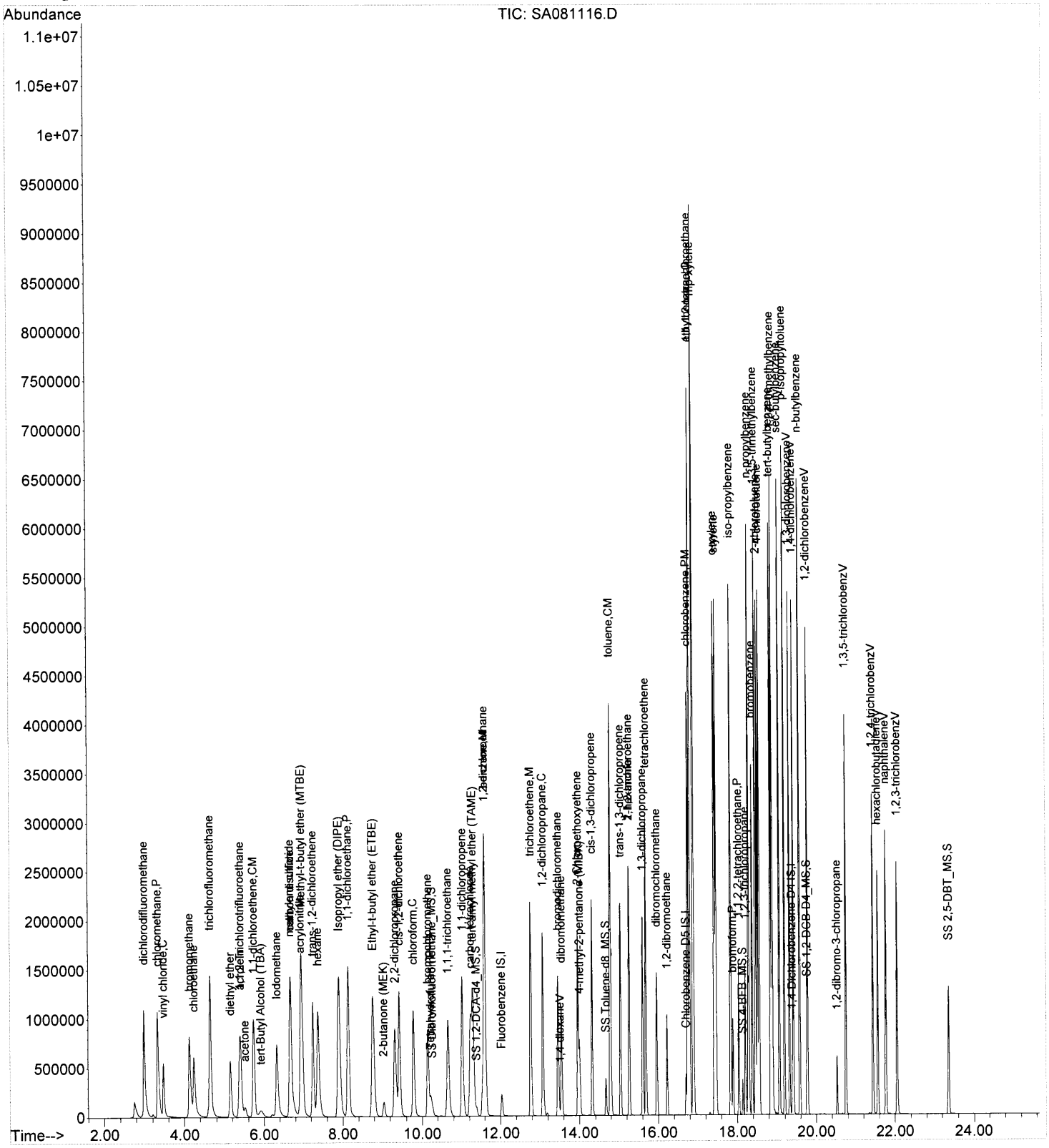
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
38)	1,2-dichloroethane	11.59	62	1030848	87.910	ug/L	98
39)	trichloroethene	12.77	95	923738	111.027	ug/L	98
40)	1,2-dichloropropane	13.08	63	928032	103.465	ug/L	94
41)	1,4-dioxaneV	13.52	88	28728	490.956	ug/L	100
42)	dibromomethane	13.55	93	480967	103.234	ug/L	97
43)	bromodichloromethane	13.47	83	1084083	103.998	ug/L	99
44)	2-Chloroethoxyethene	13.97	63	891970	216.520	ug/L	92
45)	4-methyl-2-pentanone (MIBK	14.01	58	257999	116.291	ug/L	85
46)	cis-1,3-dichloropropene	14.32	75	1290422	113.694	ug/L	96
49)	toluene	14.79	91	3739889	102.905	ug/L	99
50)	trans-1,3-dichloropropene	15.05	75	1150109	107.314	ug/L	97
51)	1,1,2-trichloroethane	15.26	83	558651	97.197	ug/L	94
52)	2-hexanone	15.27	43	437944	110.528	ug/L	96
53)	tetrachloroethene	15.69	166	976140	97.213	ug/L	98
54)	1,3-dichloropropane	15.61	76	1140878	96.051	ug/L	96
55)	dibromochloromethane	15.96	129	801048	109.460	ug/L #	99
56)	1,2-dibromoethane	16.23	107	708991	100.747	ug/L	100
57)	chlorobenzene	16.75	112	2471766	98.106	ug/L	98
58)	1,1,1,2-tetrachloroethane	16.79	131	796020	104.869	ug/L	100
59)	ethylbenzene	16.80	91	4068559	100.324	ug/L	99
60)	mp-xylene	16.89	106	3172714	192.925	ug/L	99
61)	o-xylene	17.42	106	1639952	105.020	ug/L	99
62)	styrene	17.46	104	2765473	99.815	ug/L	98
63)	bromoform	17.89	173	447424	108.750	ug/L	99
64)	iso-propylbenzene	17.83	105	3939495	104.605	ug/L	99
67)	bromobenzene	18.38	156	1062068	105.376	ug/L	96
68)	1,1,2,2-tetrachloroethane	18.04	83	774521	100.259	ug/L	98
69)	1,2,3-trichloropropane	18.21	110	230600	95.216	ug/L	97
71)	n-propylbenzene	18.29	91	4877533	109.486	ug/L	100
72)	2-chlorotoluene	18.52	91	2973410	103.965	ug/L	99
73)	4-chlorotoluene	18.56	91	2954328	103.089	ug/L	96
74)	1,3,5-trimethylbenzene	18.47	105	3534390	108.189	ug/L	99
75)	tert-butylbenzene	18.85	119	3079021	111.397	ug/L	98
76)	1,2,4-trimethylbenzene	18.89	105	3569262	104.950	ug/L	99
77)	sec-butylbenzene	19.06	105	4363491	108.421	ug/L	99
78)	1,3-dichlorobenzeneV	19.32	146	1965799	101.644	ug/L	99
79)	p-isopropyltoluene	19.19	119	3692175	108.843	ug/L	99
80)	1,4-dichlorobenzeneV	19.42	146	1951559	99.804	ug/L	96
81)	1,2-dichlorobenzeneV	19.78	146	1799929	99.200	ug/L	96
82)	n-butylbenzene	19.58	91	3216089	109.326	ug/L	99
84)	1,2-dibromo-3-chloropropan	20.52	157	159204	113.265	ug/L	93
85)	1,3,5-trichlorobenzV	20.75	180	1274694	109.513	ug/L	98
86)	1,2,4-trichlorobenzV	21.44	180	1088870	114.005	ug/L	97
87)	hexachlorobutadieneV	21.57	225	529709	111.262	ug/L	98
88)	naphthaleneV	21.77	128	2513544	111.304	ug/L	99
89)	1,2,3-trichlorobenzV	22.06	180	946513	110.074	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081116.D Vial: 16
Acq On : 11 Aug 2011 4:22 pm Operator: VG
Sample : STD 100 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 10:19 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081118.D Vial: 18
Acq On : 11 Aug 2011 5:30 pm Operator: VG
Sample : 200 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:45 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	320375	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	257458	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.40	152	142838	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	77129	9.37	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.71%			
35) SS 1,2-DCA-d4_MS	11.39	65	79822	8.16	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 81.60%			
48) SS Toluene-d8_MS	14.67	98	318836	9.70	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.96%			
65) SS 4-BFB_MS	18.14	95	121484	9.95	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.54%			
83) SS 1,2-DCB-D4_MS	19.76	152	124978	9.43	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.27%			
90) SS 2,5-DBT_MS	23.37	250	717737	200.17	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 500.44%#			
Target Compounds						Qvalue
8) diethyl ether	5.15	59	1253825	154.273	ug/L	95
9) 1,1,2-Trichlorotrifluoroet	5.39	101	1533856	178.089	ug/L	98
11) acetone	5.51	43	381142	159.455	ug/L	94
12) 1,1-dichloroethene	5.73	96	1423672	172.553	ug/L	86
13) tert-Butyl Alcohol (TBA)	5.92	59	481614	708.662	ug/L #	85
15) methylene chloride	6.66	84	1476375	139.743	ug/L	91
16) carbon disulfide	6.69	76	4484306	165.959	ug/L	99
17) acrylonitrile	6.93	53	568554	143.550	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.96	73	6797823	305.684	ug/L #	93
19) trans-1,2-dichloroethene	7.25	96	1565705	168.832	ug/L	88
20) hexane	7.38	57	2198956	143.918	ug/L	98
21) Isopropyl ether (DIPE)	7.91	45	5892267	197.503	ug/L	96
23) 1,1-dichloroethane	8.13	63	3069743	190.259	ug/L #	97
24) Ethyl-t-butyl ether (ETBE)	8.77	59	4874419	203.301	ug/L	95
25) 2,2-dichloropropane	9.33	77	2230103	221.086	ug/L	90
26) cis-1,2-dichloroethene	9.43	61	2447318	193.485	ug/L	92
27) 2-butanone (MEK)	9.05	43	655132	213.569	ug/L	96
28) bromochloromethane	10.15	128	880424	208.805	ug/L	94
29) Tetrahydrofuran (THF)	10.22	42	405165	204.912	ug/L	96
30) chloroform	9.78	83	2840147	190.023	ug/L	99
32) 1,1,1-trichloroethane	10.66	97	2497129	211.145	ug/L	96
33) carbon tetrachloride	11.23	117	2206131	223.621	ug/L	99
34) 1,1-dichloropropene	11.03	75	2320111	203.551	ug/L	96
36) tert-amyl methyl ether (TA	11.29	73	3881019	218.834	ug/L #	90
37) benzene	11.61	78	6690604	197.970	ug/L	96
38) 1,2-dichloroethane	11.59	62	2019501	166.520	ug/L	98
39) trichloroethene	12.77	95	1753904	203.828	ug/L	98
40) 1,2-dichloropropane	13.08	63	1808870	194.992	ug/L	95
42) dibromomethane	13.56	93	958990	199.021	ug/L	98
43) bromodichloromethane	13.47	83	2173053	201.562	ug/L	98
45) 4-methyl-2-pentanone (MIBK	14.01	58	513718	223.887	ug/L	98
46) cis-1,3-dichloropropene	14.32	75	2536172	216.053	ug/L	95
49) toluene	14.79	91	6914257	182.196	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081118.D Vial: 18
Acq On : 11 Aug 2011 5:30 pm Operator: VG
Sample : 200 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:45 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

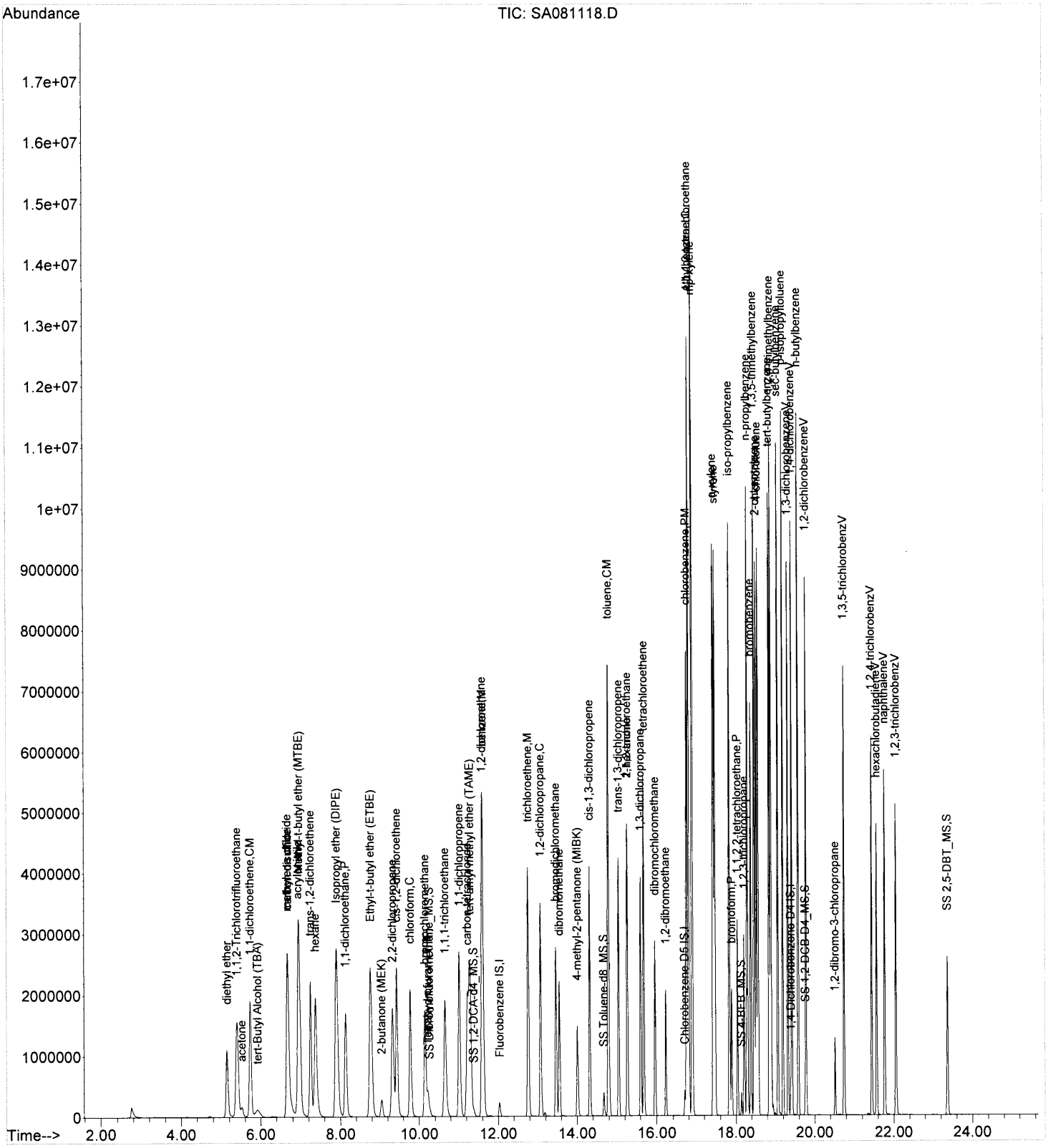
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	trans-1,3-dichloropropene	15.05	75	2294568	205.038	ug/L		96
51)	1,1,2-trichloroethane	15.27	83	1089440	181.523	ug/L		94
52)	2-hexanone	15.27	43	811134	196.048	ug/L		95
53)	tetrachloroethene	15.69	166	1815319	173.134	ug/L		98
54)	1,3-dichloropropane	15.61	76	2212305	178.372	ug/L		94
55)	dibromochloromethane	15.97	129	1631066	213.445	ug/L	#	99
56)	1,2-dibromoethane	16.23	107	1417886	192.953	ug/L		100
57)	chlorobenzene	16.75	112	4627668	175.900	ug/L		99
58)	1,1,1,2-tetrachloroethane	16.79	131	1475364	186.139	ug/L		99
59)	ethylbenzene	16.80	91	7167126	169.249	ug/L		99
60)	mp-xylene	16.90	106	5432340	316.344	ug/L		98
61)	o-xylene	17.43	106	3020176	185.221	ug/L		99
62)	styrene	17.47	104	5095430	176.126	ug/L		98
63)	bromoform	17.90	173	957406	222.855	ug/L		99
64)	iso-propylbenzene	17.83	105	7167600	182.265	ug/L		99
67)	bromobenzene	18.38	156	2044850	194.598	ug/L		94
68)	1,1,2,2-tetrachloroethane	18.04	83	1586735	197.007	ug/L		98
69)	1,2,3-trichloropropane	18.21	110	465973	184.543	ug/L		97
71)	n-propylbenzene	18.30	91	8705480	187.430	ug/L		98
72)	2-chlorotoluene	18.52	91	5377717	180.350	ug/L		99
73)	4-chlorotoluene	18.56	91	5535825	185.277	ug/L		99
74)	1,3,5-trimethylbenzene	18.47	105	6386530	187.508	ug/L		99
75)	tert-butylbenzene	18.85	119	5526772	191.786	ug/L		99
76)	1,2,4-trimethylbenzene	18.89	105	6415769	180.942	ug/L		99
77)	sec-butylbenzene	19.07	105	7713134	183.821	ug/L		98
78)	1,3-dichlorobenzeneV	19.33	146	3653904	181.212	ug/L		98
79)	p-isopropyltoluene	19.20	119	6545126	185.064	ug/L		98
80)	1,4-dichlorobenzeneV	19.43	146	3618910	177.513	ug/L	#	96
81)	1,2-dichlorobenzeneV	19.78	146	3359215	177.575	ug/L		95
82)	n-butylbenzene	19.59	91	5722572	186.583	ug/L		98
84)	1,2-dibromo-3-chloropropan	20.52	157	337010	229.969	ug/L		93
85)	1,3,5-trichlorobenzV	20.75	180	2409886	198.584	ug/L		98
86)	1,2,4-trichlorobenzV	21.44	180	2092135	210.099	ug/L		98
87)	hexachlorobutadieneV	21.57	225	1027763	207.057	ug/L		98
88)	naphthaleneV	21.77	128	5006213	212.628	ug/L		99
89)	1,2,3-trichlorobenzV	22.06	180	1849313	206.279	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081118.D Vial: 18
Acq On : 11 Aug 2011 5:30 pm Operator: VG
Sample : 200 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 14 16:18 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081121.D Vial: 21
Acq On : 11 Aug 2011 7:13 pm Operator: VG
Sample : 300 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:02:04 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	321220	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	256895	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.40	152	143964	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	77552	9.40	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.98%			
35) SS 1,2-DCA-d4_MS	11.39	65	79353	8.09	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 80.90%			
48) SS Toluene-d8_MS	14.67	98	318039	9.69	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.93%			
65) SS 4-BFB_MS	18.14	95	123272	10.12	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.22%			
83) SS 1,2-DCB-D4_MS	19.76	152	126649	9.48	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.78%			
90) SS 2,5-DBT_MS	23.37	250	1163491	319.68	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 799.20%#			
Target Compounds						Qvalue
8) diethyl ether	5.15	59	1849435	226.960	ug/L	94
9) 1,1,2-Trichlorotrifluoroet	5.39	101	2274225	263.356	ug/L	98
11) acetone	5.53	43	694808	289.917	ug/L	95
12) 1,1-dichloroethene	5.73	96	2097667	253.574	ug/L	86
13) tert-Butyl Alcohol (TBA)	6.05	59	812570m	1192.497	ug/L	
15) methylene chloride	6.66	84	2124708	200.581	ug/L	89
16) carbon disulfide	6.68	76	6542107	241.479	ug/L	99
17) acrylonitrile	6.94	53	826802	208.203	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.96	73	10193349	457.168	ug/L #	92
19) trans-1,2-dichloroethene	7.25	96	2371841	255.086	ug/L	88
20) hexane	7.38	57	3687233	240.688	ug/L	98
21) Isopropyl ether (DIPE)	7.91	45	8708218	291.123	ug/L	95
23) 1,1-dichloroethane	8.13	63	4571919	282.617	ug/L #	97
24) Ethyl-t-butyl ether (ETBE)	8.78	59	7479475	311.131	ug/L #	95
25) 2,2-dichloropropane	9.33	77	3389587	335.150	ug/L	89
26) cis-1,2-dichloroethene	9.43	61	3605621	284.310	ug/L	92
27) 2-butanone (MEK)	9.06	43	1127029	366.438	ug/L	95
28) bromochloromethane	10.15	128	1296749	306.733	ug/L	93
29) Tetrahydrofuran (THF)	10.23	42	650068	327.907	ug/L	96
30) chloroform	9.78	83	4253426	283.832	ug/L	99
32) 1,1,1-trichloroethane	10.66	97	3795598	320.093	ug/L	95
33) carbon tetrachloride	11.23	117	3380179	341.725	ug/L	99
34) 1,1-dichloropropene	11.03	75	3478624	304.388	ug/L	95
36) tert-amyl methyl ether (TA	11.29	73	6046007	340.011	ug/L #	89
37) benzene	11.61	78	9615355	283.762	ug/L	96
38) 1,2-dichloroethane	11.59	62	2963336	243.702	ug/L	99
39) trichloroethene	12.77	95	2603164	301.727	ug/L	98
40) 1,2-dichloropropane	13.08	63	2642098	284.062	ug/L	95
42) dibromomethane	13.56	93	1444462	298.984	ug/L	98
43) bromodichloromethane	13.47	83	3250533	300.710	ug/L	98
45) 4-methyl-2-pentanone (MIBK	14.01	58	826079	359.072	ug/L	99
46) cis-1,3-dichloropropene	14.32	75	3731031	317.006	ug/L	95
49) toluene	14.79	91	9847073	260.047	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081121.D Vial: 21
Acq On : 11 Aug 2011 7:13 pm Operator: VG
Sample : 300 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:02:04 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

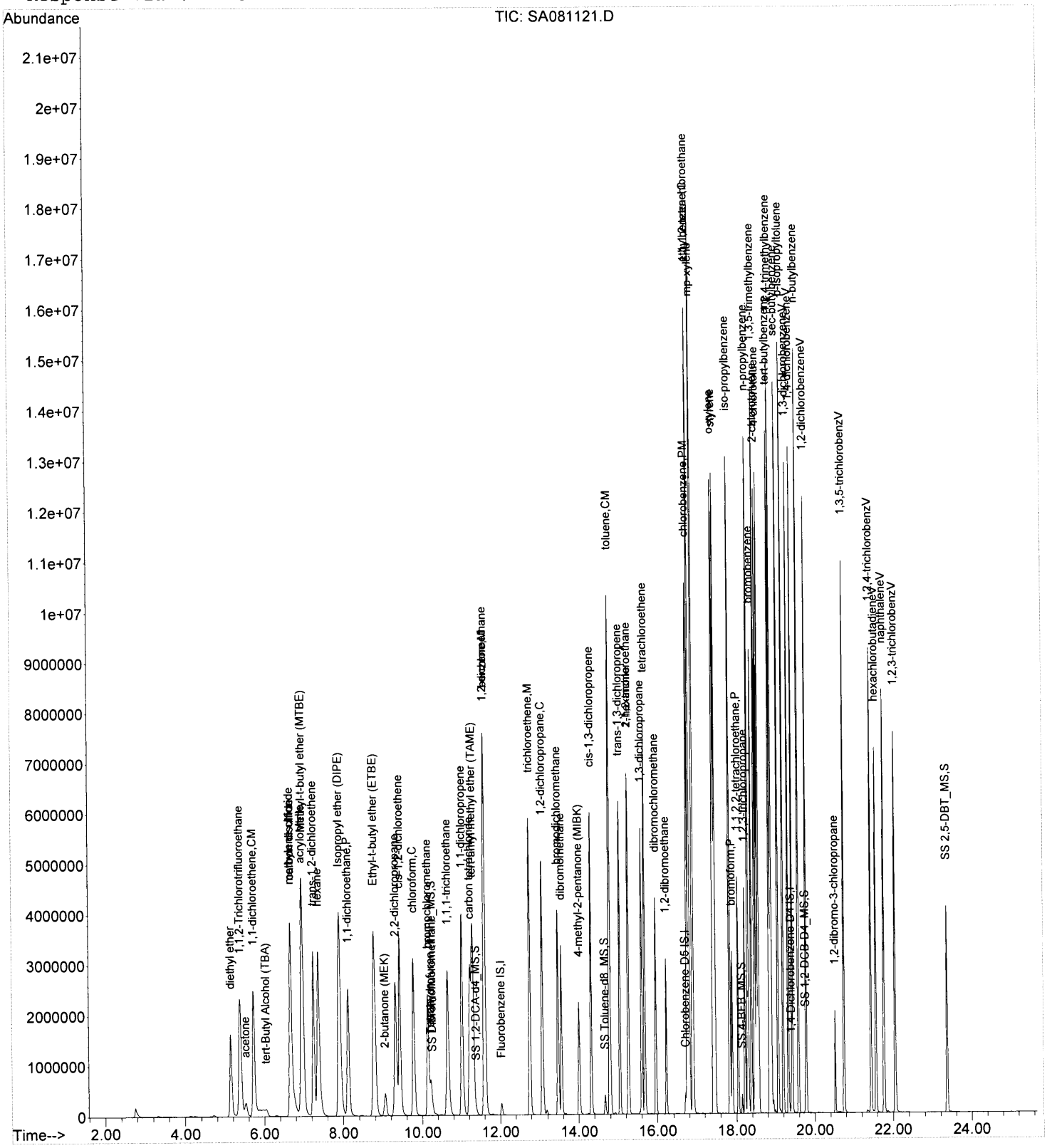
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	trans-1,3-dichloropropene	15.05	75	3426537	306.860	ug/L		95
51)	1,1,2-trichloroethane	15.27	83	1604721	267.965	ug/L		94
52)	2-hexanone	15.27	43	1308571	316.969	ug/L		93
53)	tetrachloroethene	15.69	166	2677698	255.942	ug/L		98
54)	1,3-dichloropropane	15.61	76	3271613	264.358	ug/L		93
55)	dibromochloromethane	15.97	129	2451574	321.521	ug/L	#	99
56)	1,2-dibromoethane	16.23	107	2137970	291.583	ug/L		99
57)	chlorobenzene	16.75	112	6507356	247.890	ug/L		98
58)	1,1,1,2-tetrachloroethane	16.79	131	2072772	262.084	ug/L		99
59)	ethylbenzene	16.81	91	9527506	225.482	ug/L		98
60)	mp-xylene	16.90	106	7254902	423.404	ug/L		96
61)	o-xylene	17.43	106	4245730	260.952	ug/L		99
62)	styrene	17.47	104	7082830	245.357	ug/L		97
63)	bromoform	17.90	173	1486463	346.761	ug/L		98
64)	iso-propylbenzene	17.83	105	9917525	252.746	ug/L		98
67)	bromobenzene	18.39	156	2978882	281.268	ug/L		93
68)	1,1,2,2-tetrachloroethane	18.04	83	2398229	295.432	ug/L		99
69)	1,2,3-trichloropropane	18.21	110	709286	278.707	ug/L		96
71)	n-propylbenzene	18.30	91	11667690	249.241	ug/L		96
72)	2-chlorotoluene	18.52	91	7633893	254.012	ug/L		99
73)	4-chlorotoluene	18.57	91	7472210	248.129	ug/L		95
74)	1,3,5-trimethylbenzene	18.47	105	8755169	255.041	ug/L		98
75)	tert-butylbenzene	18.86	119	7824824	269.408	ug/L		99
76)	1,2,4-trimethylbenzene	18.90	105	8708129	243.672	ug/L		98
77)	sec-butylbenzene	19.07	105	10352211	244.787	ug/L		96
78)	1,3-dichlorobenzeneV	19.33	146	5178872	254.832	ug/L		98
79)	p-isopropyltoluene	19.20	119	8900972	249.707	ug/L		96
80)	1,4-dichlorobenzeneV	19.43	146	5075690	247.023	ug/L	#	95
81)	1,2-dichlorobenzeneV	19.79	146	4772826	250.327	ug/L	#	95
82)	n-butylbenzene	19.59	91	7731210	250.103	ug/L		97
84)	1,2-dibromo-3-chloropropan	20.52	157	544010	368.318	ug/L		93
85)	1,3,5-trichlorobenzV	20.75	180	3557304	290.842	ug/L		98
86)	1,2,4-trichlorobenzV	21.44	180	3143974	313.259	ug/L		98
87)	hexachlorobutadieneV	21.57	225	1581331	316.089	ug/L		96
88)	naphthaleneV	21.77	128	7502235	316.149	ug/L		99
89)	1,2,3-trichlorobenzV	22.06	180	2820207	312.115	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081121.D Vial: 21
Acq On : 11 Aug 2011 7:13 pm Operator: VG
Sample : 300 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 14 16:34 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081120.D Vial: 20
Acq On : 11 Aug 2011 6:39 pm Operator: VG
Sample : G200 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:01:56 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

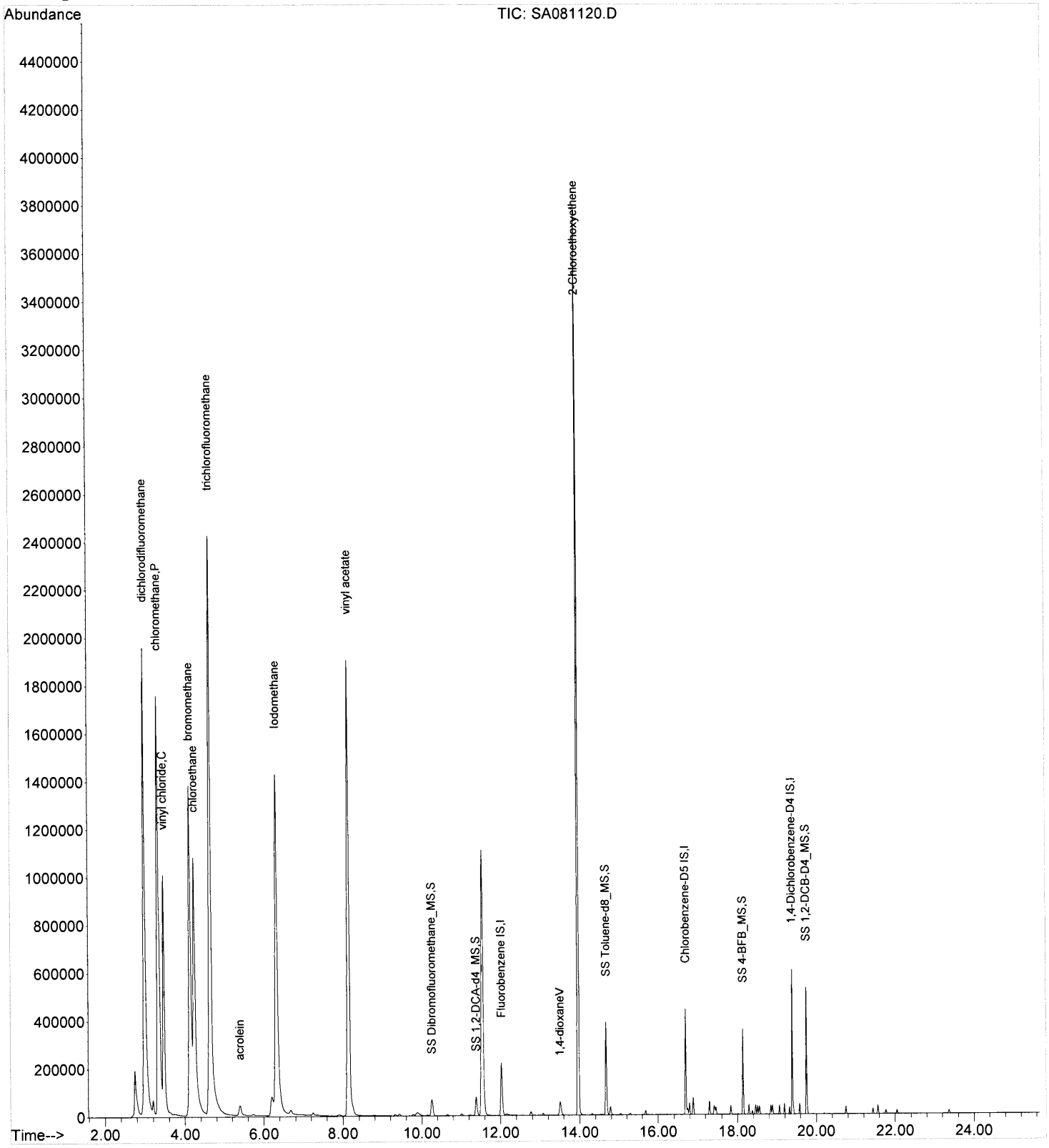
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	308458	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	248779	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	136279	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.26	111	73418	9.26	ug/L	-0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 92.65%			
35) SS 1,2-DCA-d4_MS	11.38	65	78309	8.31	ug/L	-0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 83.14%			
48) SS Toluene-d8_MS	14.67	98	308900	9.72	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.22%			
65) SS 4-BFB_MS	18.14	95	118590	10.06	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.55%			
83) SS 1,2-DCB-D4_MS	19.76	152	122579	9.69	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.91%			
90) SS 2,5-DBT_MS	0.00	250	0d	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.98	85	3619521	392.392	ug/L	98
3) chloromethane	3.32	50	3932169	344.779	ug/L	99
4) vinyl chloride	3.46	62	1541748	183.889	ug/L	98
5) bromomethane	4.13	94	2054975	380.050	ug/L	99
6) chloroethane	4.24	64	1876971	283.763	ug/L	98
7) trichlorofluoromethane	4.64	101	4307677	345.969	ug/L	99
10) acrolein	5.40	56	81529	88.927	ug/L	96
14) Iodomethane	6.32	142	3407964	309.615	ug/L #	94
22) vinyl acetate	8.14	43	5180879	454.009	ug/L	99
41) 1,4-dioxaneV	13.51	88	65546	1124.921	ug/L	92
44) 2-Chloroethoxyethene	13.97	63	1887393	455.694	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081120.D Vial: 20
Acq On : 11 Aug 2011 6:39 pm Operator: VG
Sample : G200 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 14 16:33 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081122.D Vial: 22
Acq On : 11 Aug 2011 7:47 pm Operator: VG
Sample : 300 G Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:02:09 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

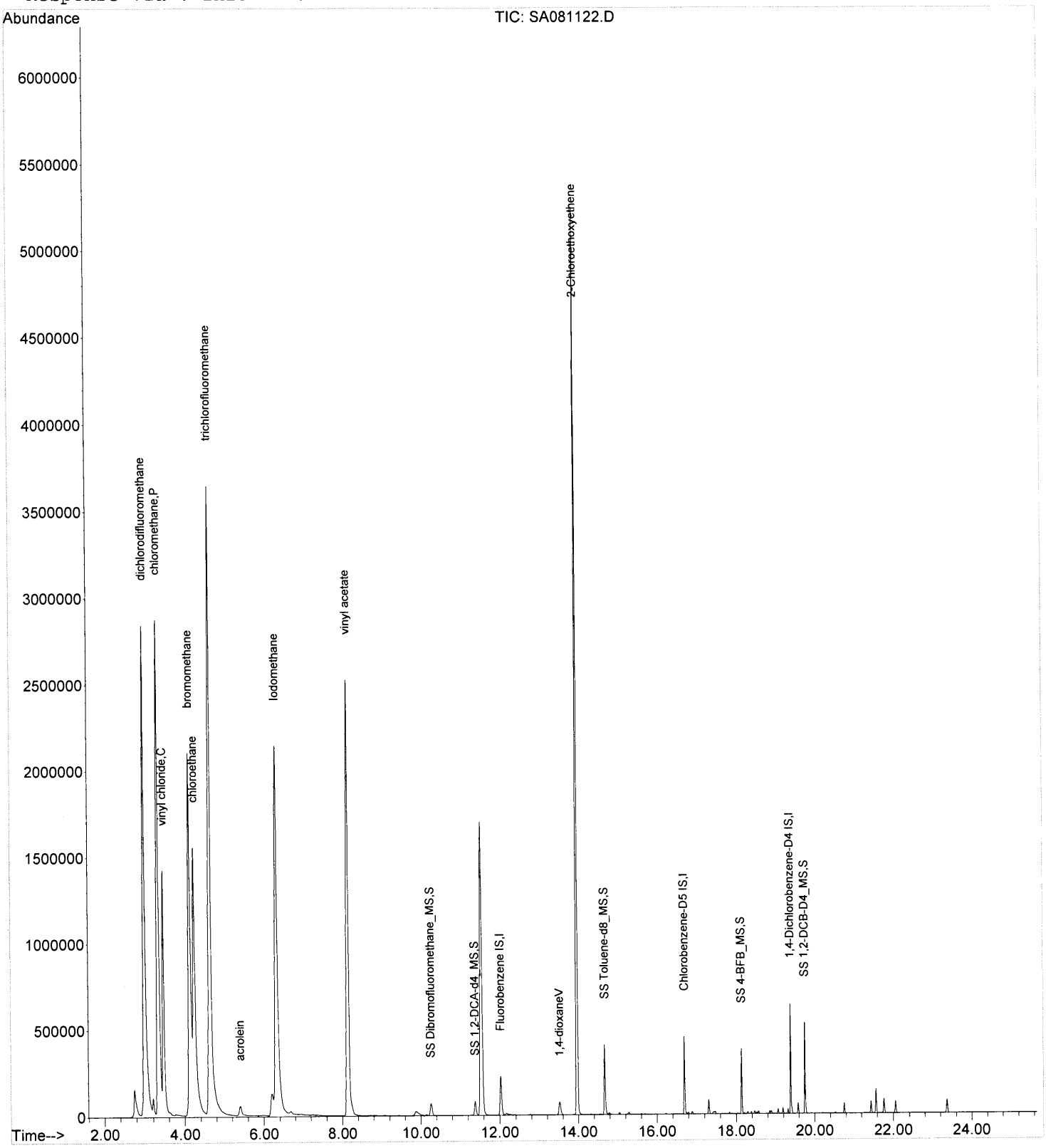
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	320986	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	257557	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	141659	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.26	111	75881	9.20	ug/L	-0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 92.02%			
35) SS 1,2-DCA-d4_MS	11.38	65	80186	8.18	ug/L	-0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 81.81%			
48) SS Toluene-d8_MS	14.67	98	318802	9.69	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.92%			
65) SS 4-BFB_MS	18.14	95	122164	10.01	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.05%			
83) SS 1,2-DCB-D4_MS	19.76	152	125193	9.52	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.22%			
90) SS 2,5-DBT_MS	0.00	250	0d	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.98	85	5376317	560.098	ug/L	98
3) chloromethane	3.33	50	6182909	520.968	ug/L	99
4) vinyl chloride	3.46	62	2239434	256.679	ug/L	98
5) bromomethane	4.12	94	3154563	560.200	ug/L	99
6) chloroethane	4.24	64	2808633	408.041	ug/L	97
7) trichlorofluoromethane	4.64	101	6522870	503.434	ug/L	99
10) acrolein	5.40	56	109699	114.983	ug/L	97
14) Iodomethane	6.32	142	5314718	462.322	ug/L #	94
22) vinyl acetate	8.14	43	7079813	596.201	ug/L	98
41) 1,4-dioxaneV	13.52	88	91232	1504.641	ug/L	92
44) 2-Chloroethoxyethene	13.97	63	2702122m	625.468	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081122.D Vial: 22
Acq On : 11 Aug 2011 7:47 pm Operator: VG
Sample : 300 G Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 14 16:37 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081123.D Vial: 23
Acq On : 11 Aug 2011 8:21 pm Operator: VG
Sample : 400 G Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 15:02:14 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jul 20 09:36:44 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

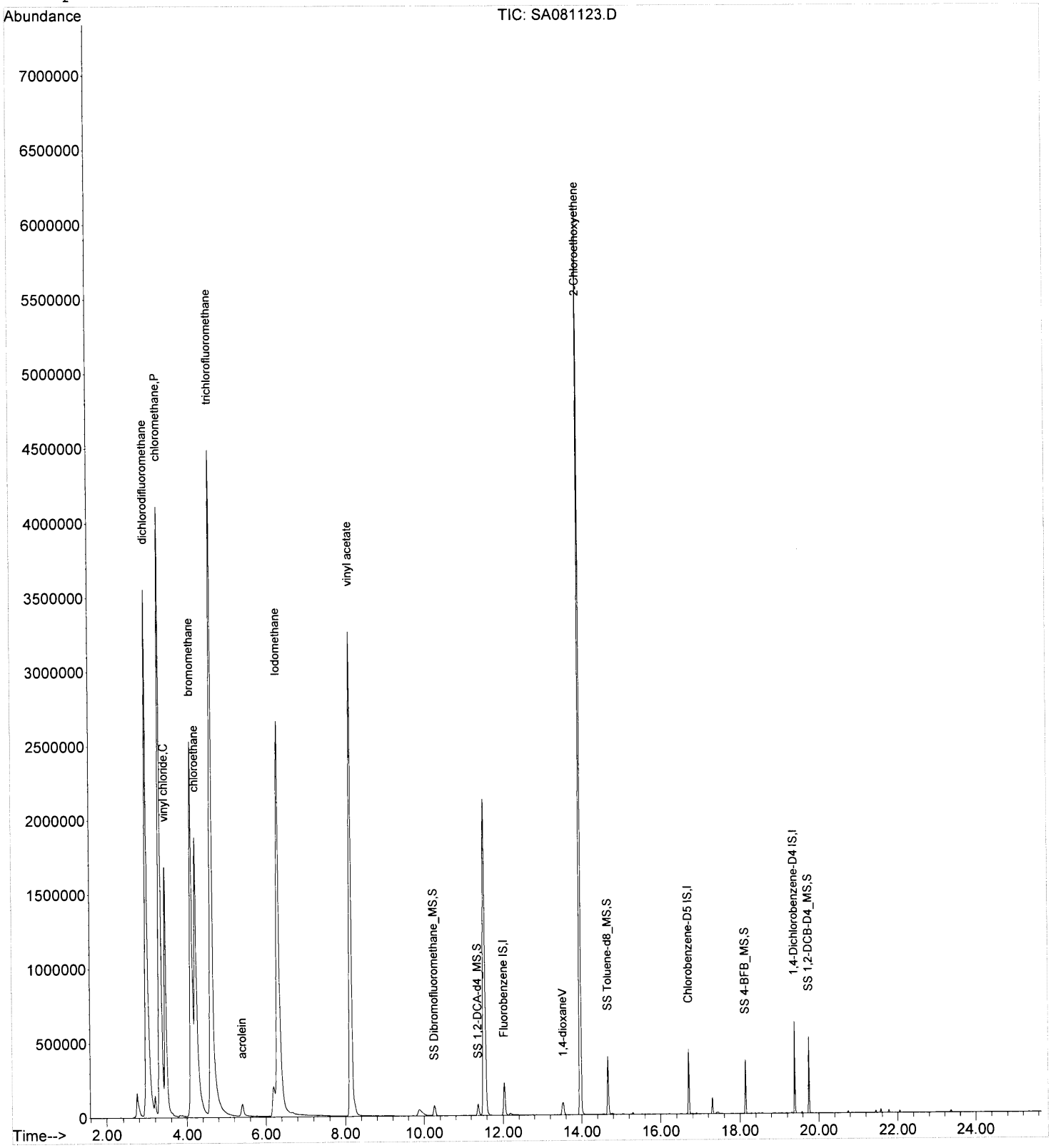
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	315056	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	254018	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	138777	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.26	111	73631	9.10	ug/L	-0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 90.97%			
35) SS 1,2-DCA-d4_MS	11.38	65	77580	8.06	ug/L	-0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 80.64%			
48) SS Toluene-d8_MS	14.67	98	314664	9.70	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.99%			
65) SS 4-BFB_MS	18.14	95	119706	9.94	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.41%			
83) SS 1,2-DCB-D4_MS	19.76	152	121609	9.44	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.41%			
90) SS 2,5-DBT_MS	0.00	250	0d	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.98	85	7046197	747.881	ug/L	98
3) chloromethane	3.32	50	8733473	749.728	ug/L	99
4) vinyl chloride	3.46	62	2809256	328.051	ug/L	99
5) bromomethane	4.12	94	4031259	729.082	ug/L	99
6) chloroethane	4.23	64	3587620	531.023	ug/L	97
7) trichlorofluoromethane	4.63	101	8359126	657.299	ug/L	99
10) acrolein	5.40	56	161247	172.195	ug/L	97
14) Iodomethane	6.32	142	6895970	610.081	ug/L #	93
22) vinyl acetate	8.15	43	9299806	797.891	ug/L	98
41) 1,4-dioxaneV	13.53	88	118026	1983.179	ug/L	93
44) 2-Chloroethoxyethene	13.97	63	3337476	786.064	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1111\SA081123.D Vial: 23
Acq On : 11 Aug 2011 8:21 pm Operator: VG
Sample : 400 G Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 14 16:38 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



1,4 Dioxane Analysis
Raw Initial Calibration Data
102343, 102455 and 102479

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081502.D Vial: 2
Acq On : 15 Aug 2011 11:39 am Operator: VG
Sample : STD0.25 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 15 13:04:52 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 25 14:58:42 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

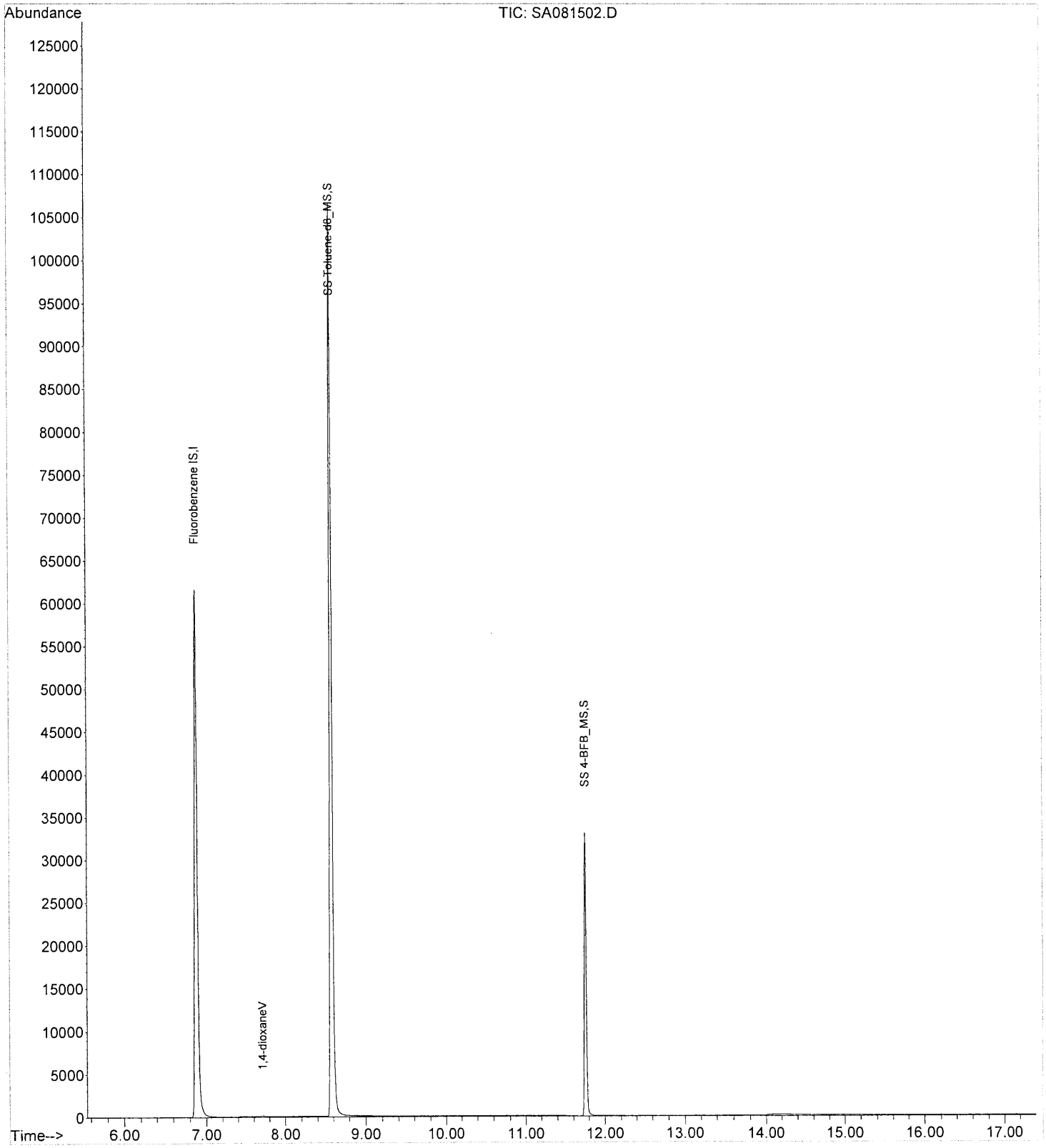
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	144587	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	135136	10.36	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.62%			
4) SS 4-BFB_MS	11.76	95	57530	10.90	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.99%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	119	0.193	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081502.D Vial: 2
Acq On : 15 Aug 2011 11:39 am Operator: VG
Sample : STD0.25 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 15 13:04 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081503.D Vial: 3
Acq On : 15 Aug 2011 12:27 pm Operator: VG
Sample : STD0.5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 15 13:05:06 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 25 14:58:42 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

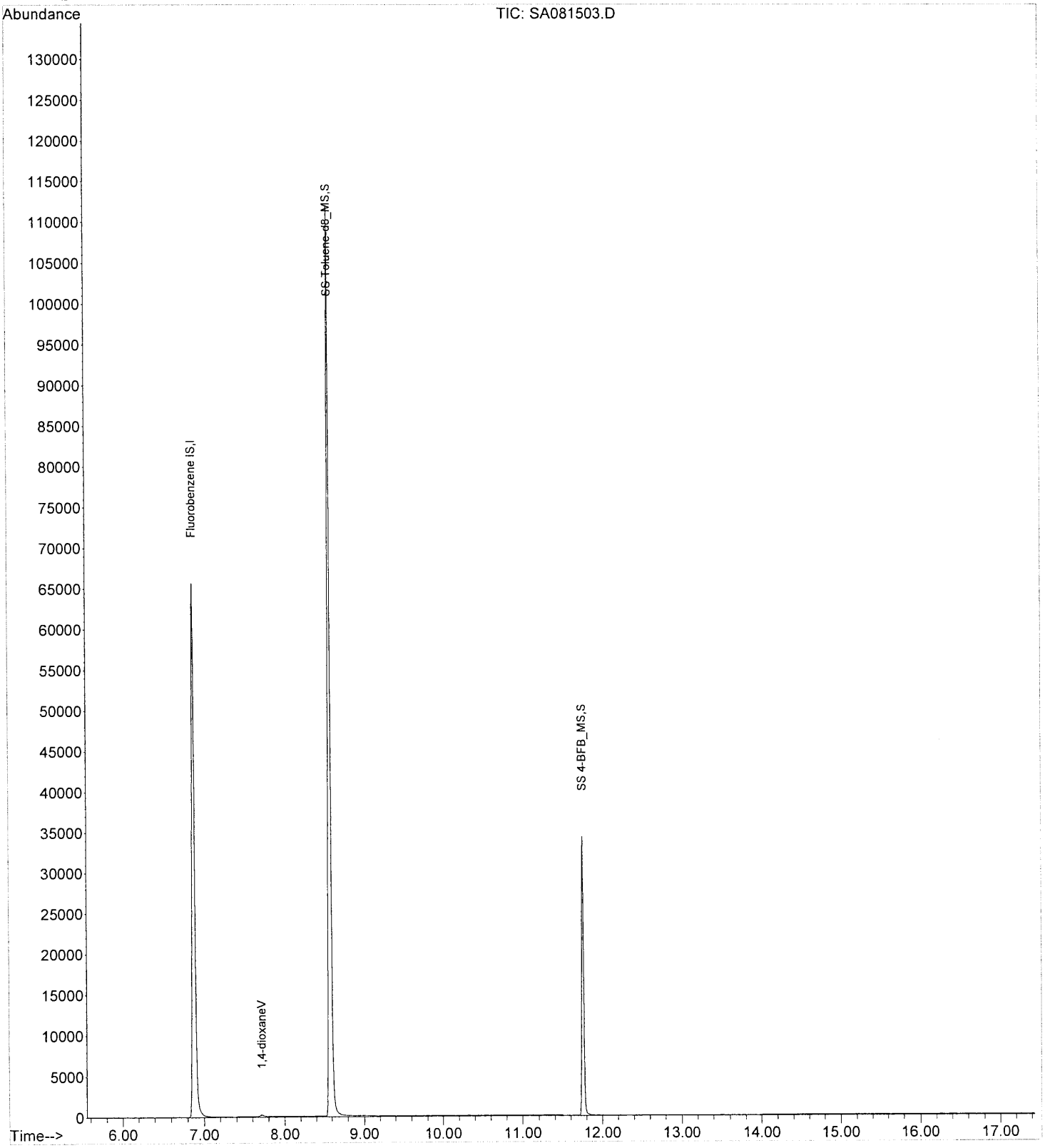
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	149226	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	138203	10.27	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.68%			
4) SS 4-BFB_MS	11.76	95	58560	10.75	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.49%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	325	0.511	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081503.D Vial: 3
Acq On : 15 Aug 2011 12:27 pm Operator: VG
Sample : STD0.5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 15 13:04 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081505.D Vial: 5
Acq On : 15 Aug 2011 2:02 pm Operator: VG
Sample : STD2 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 15 15:58:33 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 25 14:58:42 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

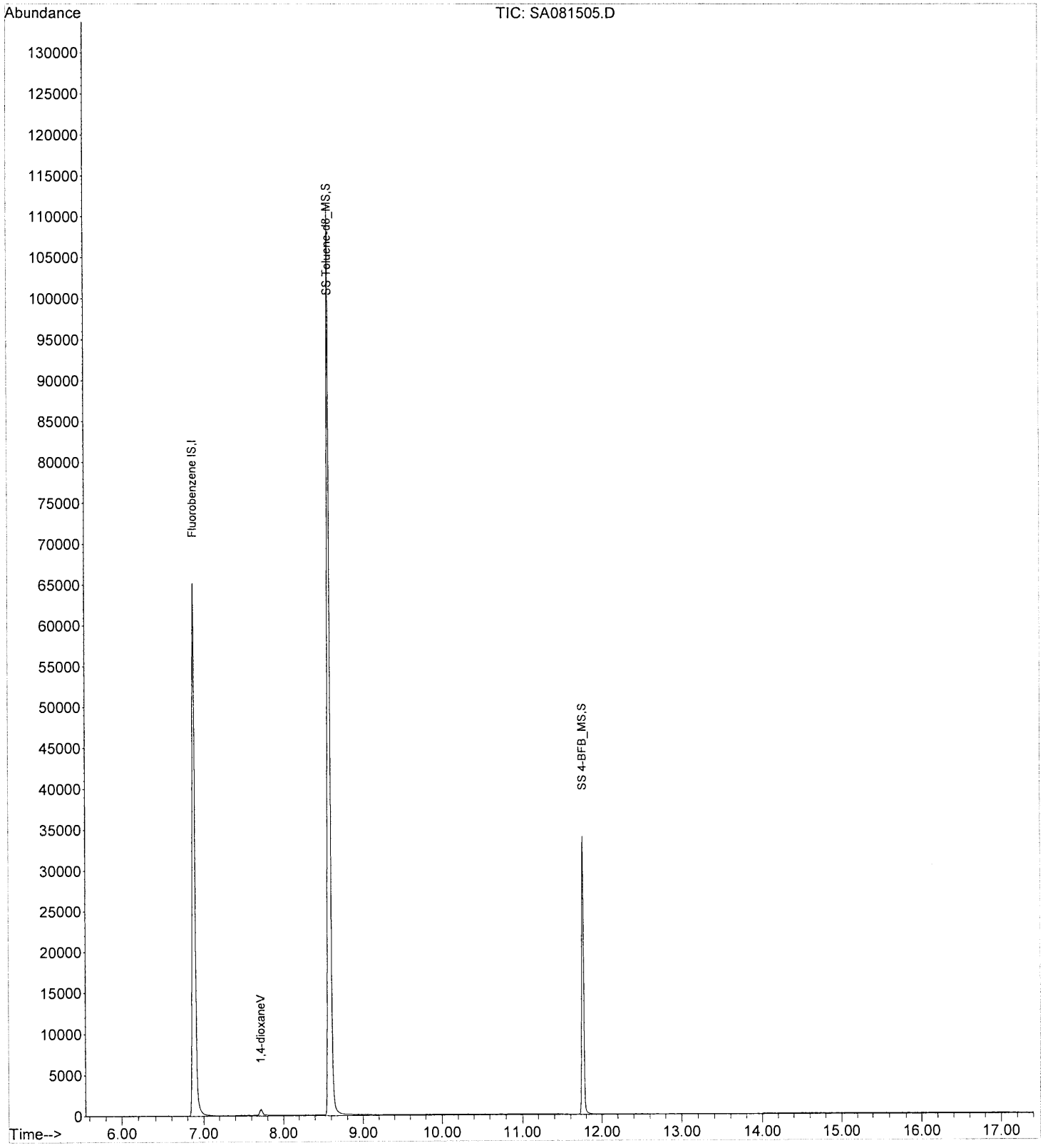
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	151801	10.000	ug/L	0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	138514	10.12	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.16%			
4) SS 4-BFB_MS	11.76	95	58321	10.52	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.24%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	1149	1.775	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081505.D Vial: 5
Acq On : 15 Aug 2011 2:02 pm Operator: VG
Sample : STD2 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 15 15:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081506.D Vial: 6
Acq On : 15 Aug 2011 2:49 pm Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 15 15:58:43 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 25 14:58:42 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

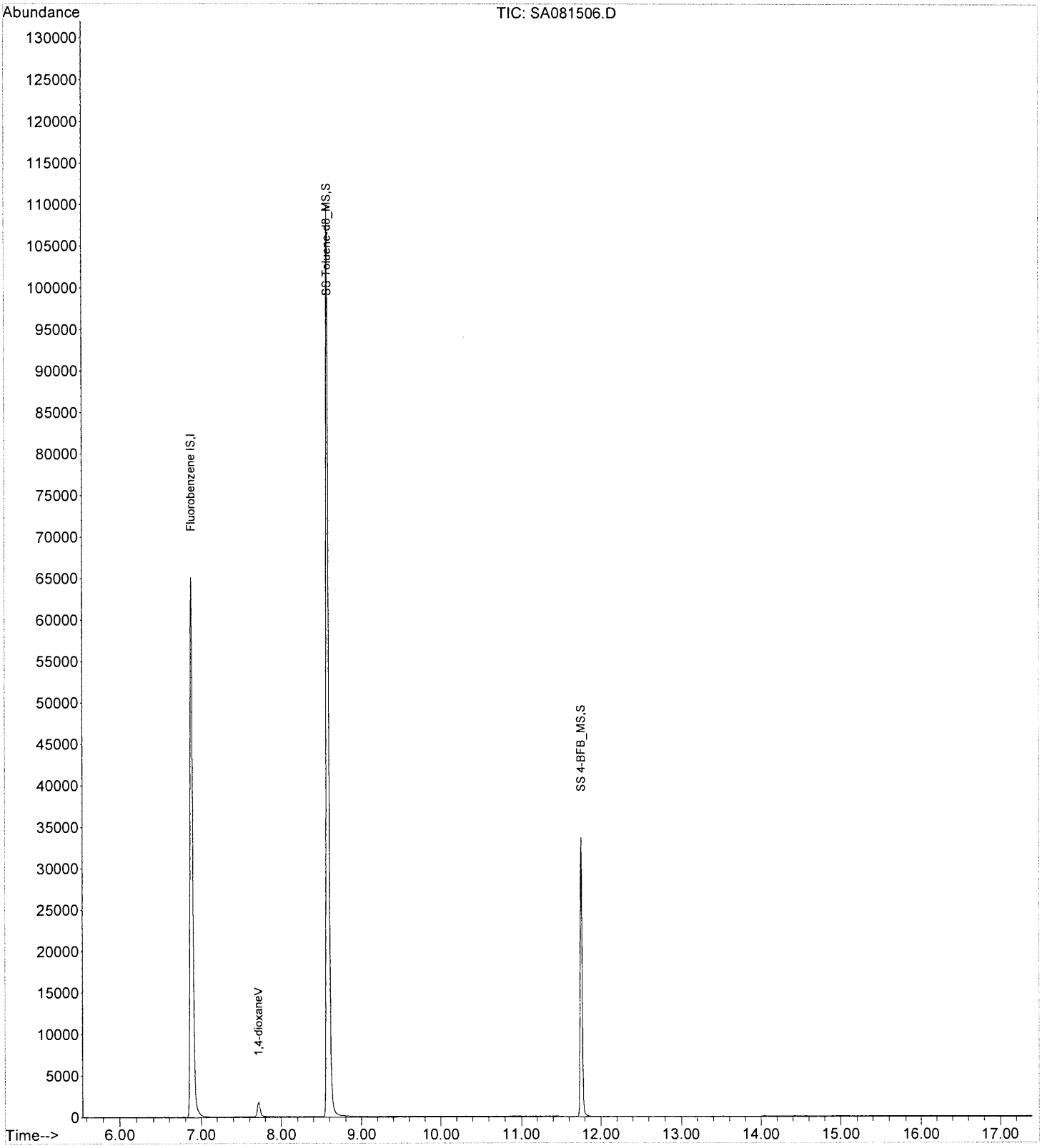
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	152282	10.000	ug/L	0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	140027	10.19	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.95%			
4) SS 4-BFB_MS	11.76	95	58101	10.45	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.51%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	2824	4.349	ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081506.D Vial: 6
Acq On : 15 Aug 2011 2:49 pm Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 15 15:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081507.D Vial: 7
Acq On : 15 Aug 2011 3:37 pm Operator: VG
Sample : STD10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 15 15:58:59 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 25 14:58:42 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

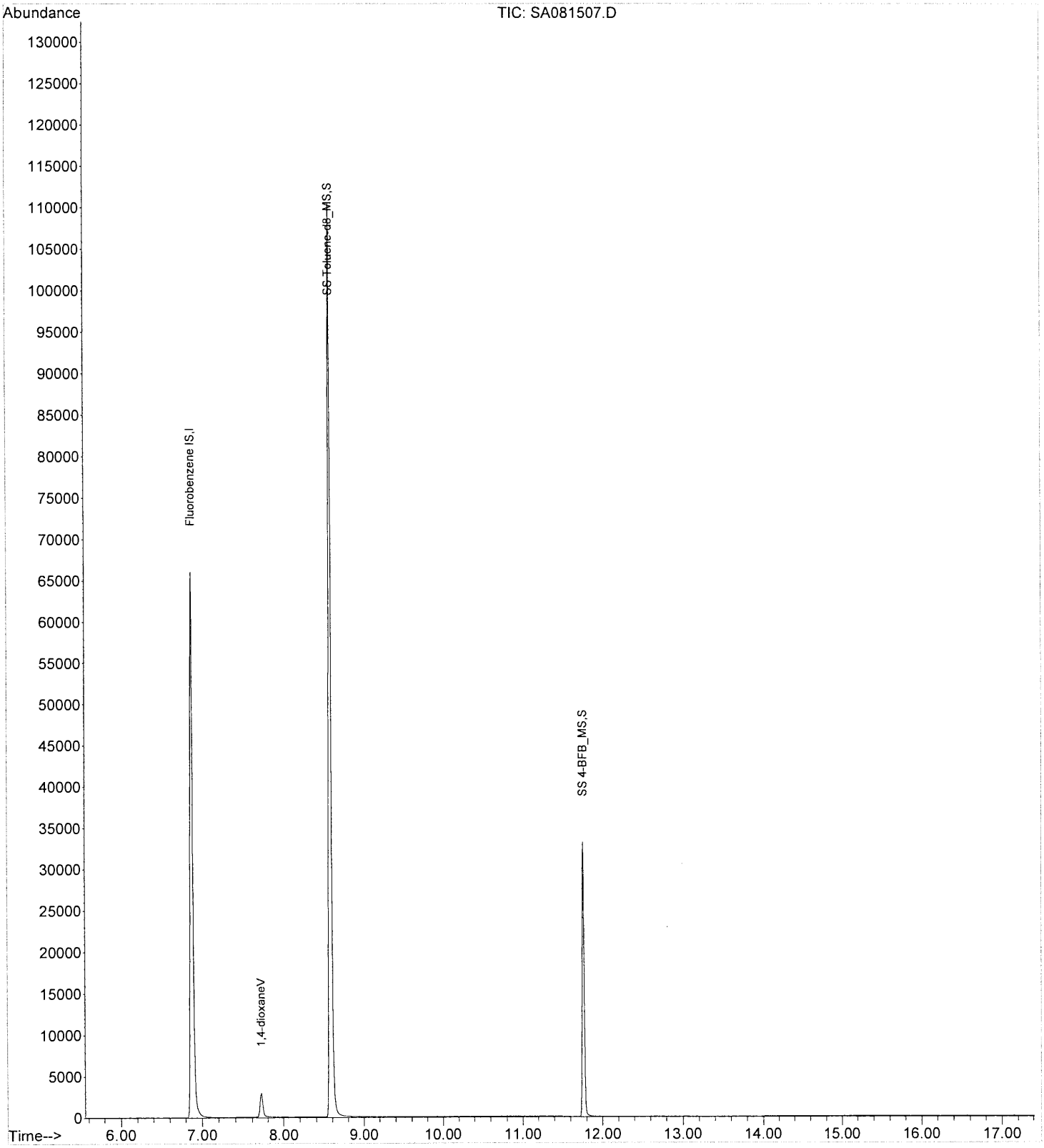
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	149889	10.000	ug/L	0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	136676	10.11	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.09%			
4) SS 4-BFB_MS	11.76	95	57279	10.47	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.67%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	4652	7.279	ug/L	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081507.D Vial: 7
Acq On : 15 Aug 2011 3:37 pm Operator: VG
Sample : STD10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 15 15:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081508.D Vial: 8
Acq On : 15 Aug 2011 4:24 pm Operator: VG
Sample : STD20 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 15 16:42:49 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 25 14:58:42 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

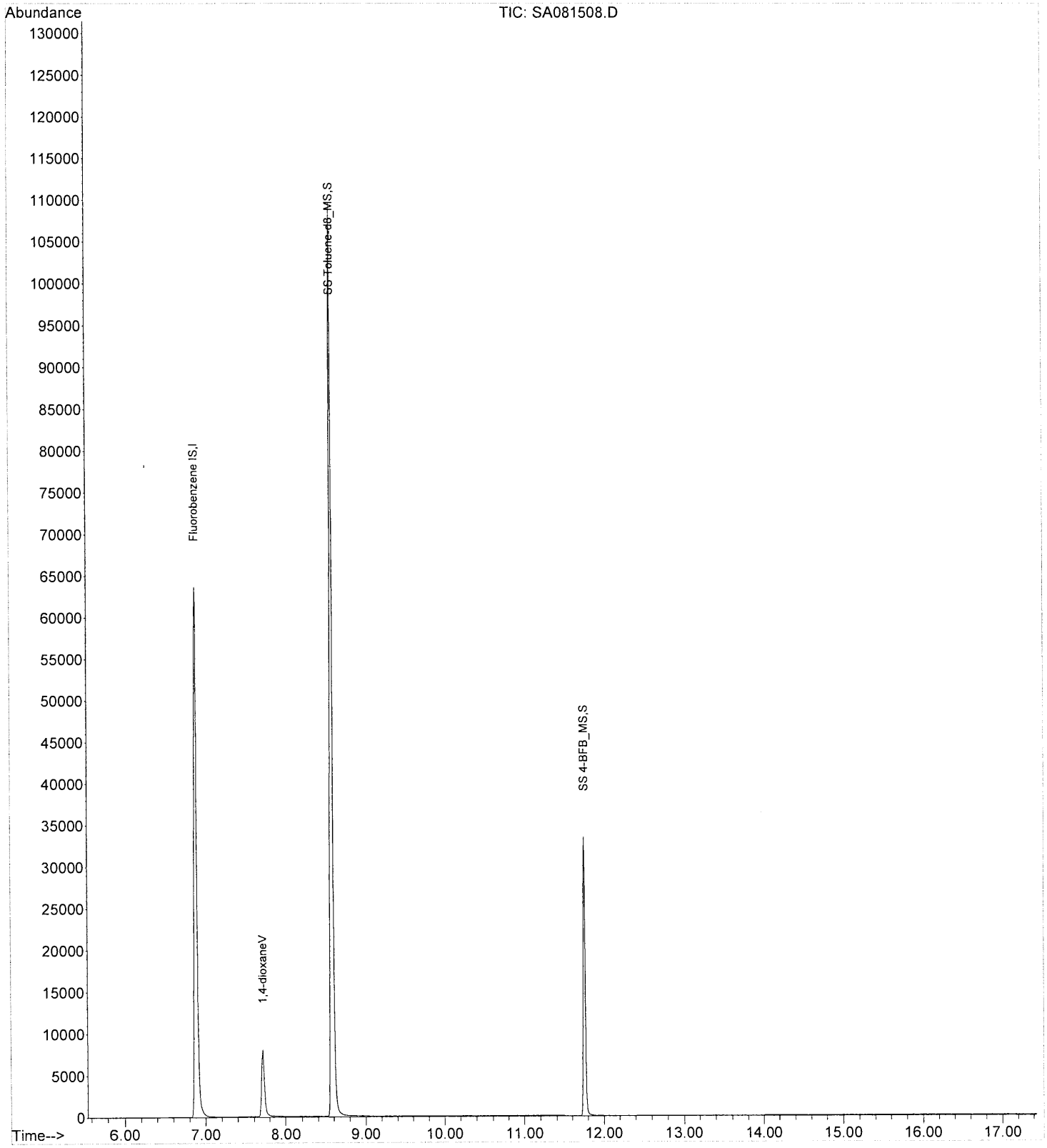
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	149482	10.000	ug/L	0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	138066	10.24	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.40%			
4) SS 4-BFB_MS	11.76	95	57458	10.53	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.29%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	12739	19.987	ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081508.D Vial: 8
Acq On : 15 Aug 2011 4:24 pm Operator: VG
Sample : STD20 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 15 16:42 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081509.D Vial: 9
Acq On : 15 Aug 2011 5:11 pm Operator: VG
Sample : STD50 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 16 10:11:35 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 25 14:58:42 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

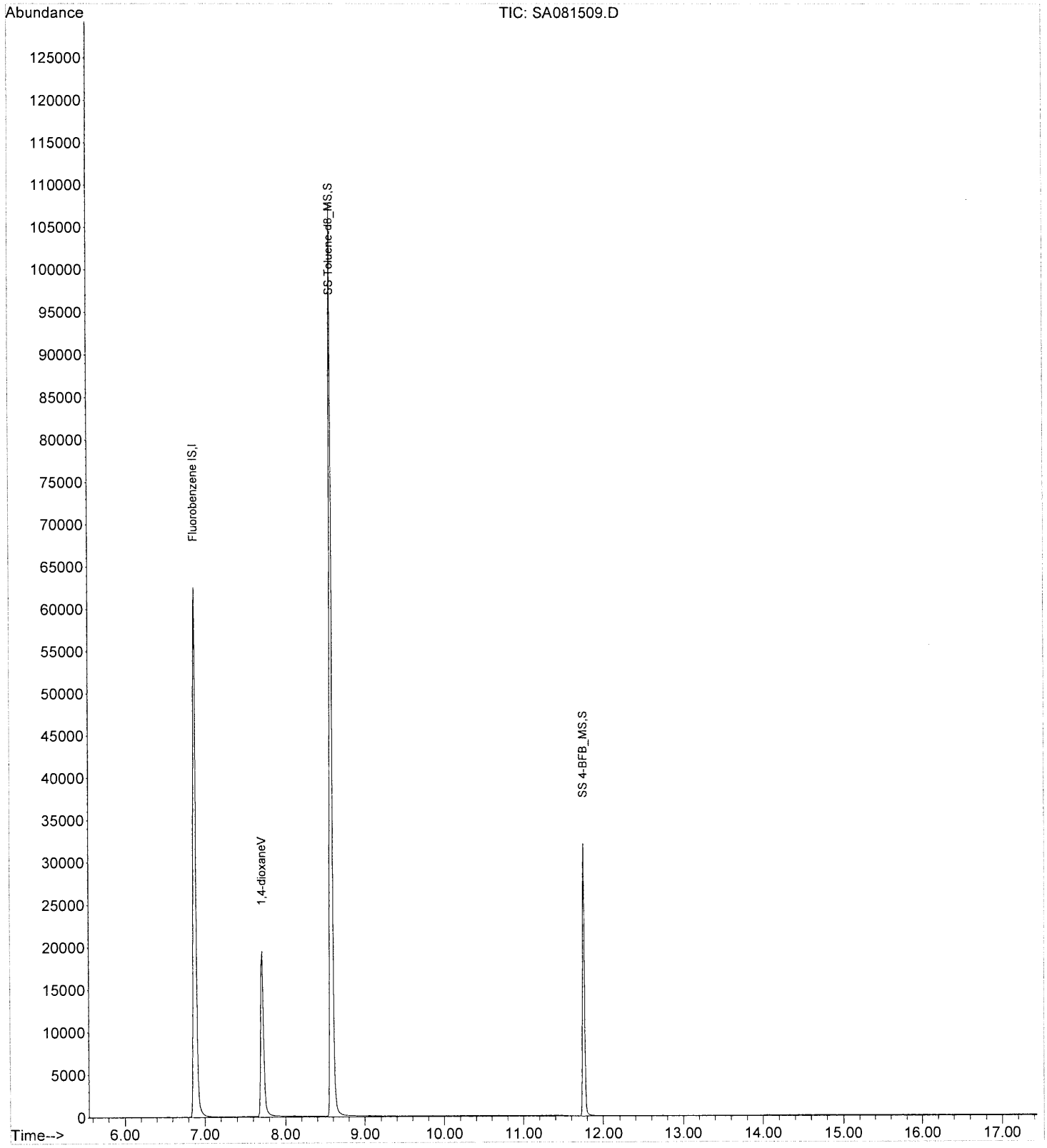
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	142451	10.000	ug/L	0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	131730	10.25	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.52%			
4) SS 4-BFB_MS	11.76	95	55031	10.58	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.82%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	31116	51.230	ug/L	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2011\AUG11\AUG1511\SA081509.D Vial: 9
Acq On : 15 Aug 2011 5:11 pm Operator: VG
Sample : STD50 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 16 10:11 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Volatile Organic Analysis
Raw Sample and QC Data
102455

IS/SS ID= V- 3815
Standard ID= V- 3816A
Gas Standard ID= V- 3817
LCS/LCSD and/or MS/MSD Standard ID= V- 3821(g)VB806(L)

Analyst: VB

Date: 8/24/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	5806101	BFB		✓		x1	VOCMS		(autofail)		
2	2	STD20		✓			VOCMS	5VD08II			
3	3	STD1		✓			VOCMS				
4	4	BLANK		✓			VOCMS				
5	5	102455.01		✓			VOCMS				
6	6	02		✓			VOCMS				
7	7	06		✓			VOCMS				
8	8	07		✓			VOCMS				
9	9	08		✓			VOCMS				
10	10	09		✓			VOCMS				
11	11	10		✓			VOCMS				
12	12	11		✓			VOCMS				
13	13	12		✓			VOCMS				
14	14	13		✓			VOCMS				
15	15	14		✓			VOCMS				
16	16	16		✓			VOCMS				
17	17	17		✓			VOCMS				
18	18	20		✓			VOCMS				
19	19	LCS20		✓			VOCMS				
20	20	LCSD20		✓			VOCMS				
21	21	25ng BFB					VOCMS				
22	22	STD10					VOCMS	5L10D811			
23	23	STD0.5					VOCMS				
24	24	MB					VOCMS				
25	25	LCS10					VOCMS				
26	26	LCSd10					VOCMS				
27	27	102448.01		✓		x1	VOCMS				
28	28	.02		✓			VOCMS				
29	29	.03		✓			VOCMS				
30	30	.04		✓			VOCMS				
31	31	102340.01		✓			VOCMS				
32	32	.02		✓			VOCMS				
33	33	102336.01		✓			VOCMS				
34	34	.02		✓			VOCMS				
35	35	102388.01		✓			VOCMS				
36	36	102389.01		✓			VOCMS				
37	37	.02		✓			VOCMS				
38	38	102390.01		✓			VOCMS				
39	39	.02		✓			VOCMS				
40	40	102396.01		✓			VOCMS				
41	41	102426.02		✓			VOCMS				
							VOCMS				

Samples removed from autosampler, order and pH verified by removed, order'd 8/22/11 MAP

GC/MS QA-QC Check Report

Tune File : W:\1\DATA\AUG1911\SA081901.D
Tune Time : 19 Aug 2011 9:09 am

Daily Calibration File : W:\1\DATA\AUG1911\SA081902.D

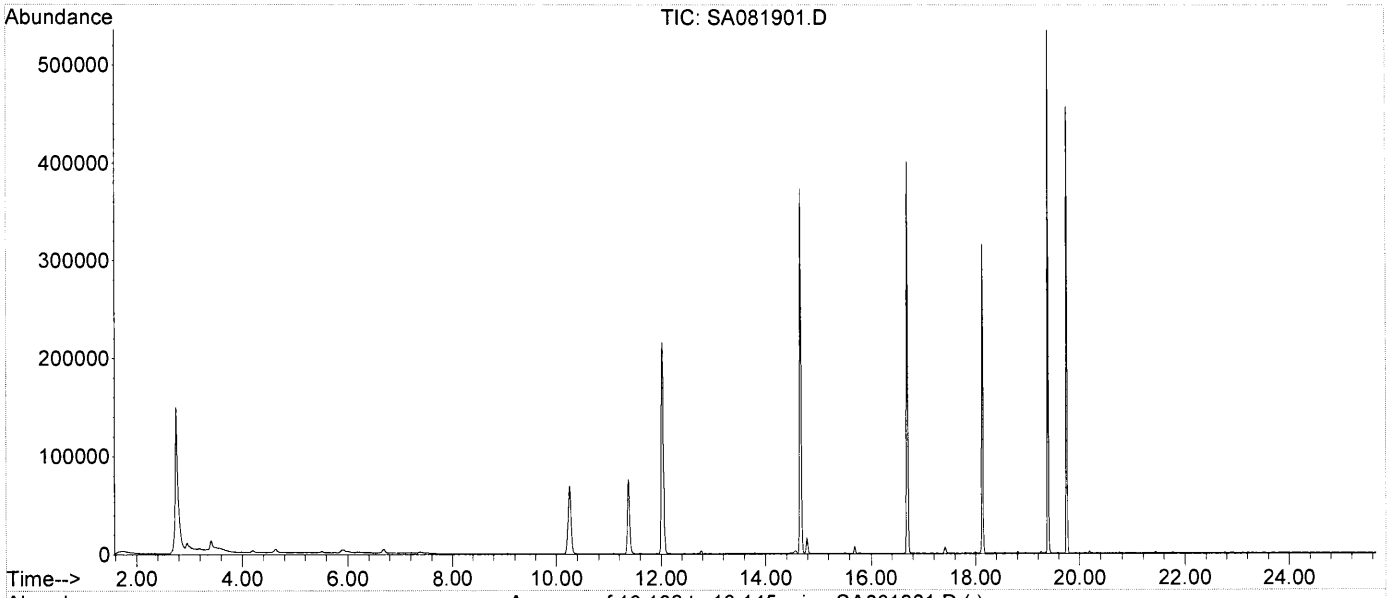
						282650	214340	114858

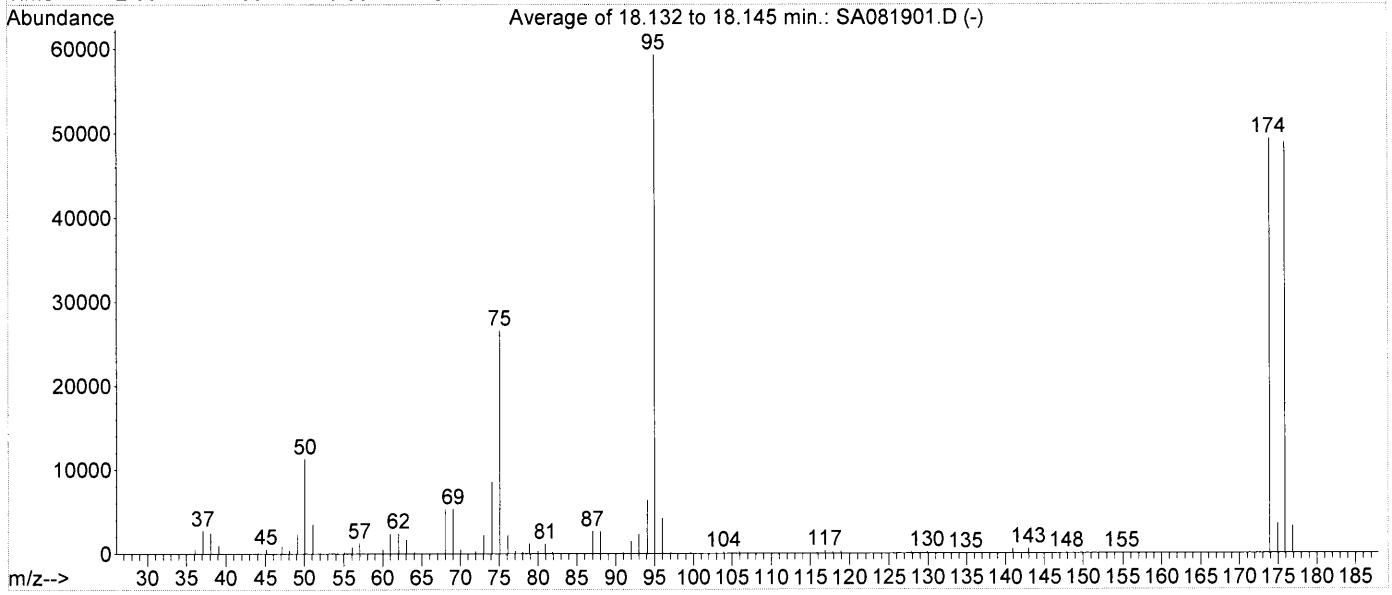
File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA081902.D	STD 20	101	108	104	99	282650	214340	114858
		102	43*					
SA081903.D	STD 2	100	108	106	98	281749	211982	111782
		104	5*					
SA081904.D	MB	98	109	105	97	274639	207139	106570
		104	0*					
SA081905.D	102455.01	98	108	105	98	277911	210201	107027
		105	0*					
SA081906.D	102455.02	101	109	105	98	280856	211460	108587
		105	0*					
SA081907.D	102455.06	100	109	105	98	276421	208182	107761
		104	0*					
SA081908.D	102455.07	99	111	105	97	277563	209314	107127
		106	0*					
SA081909.D	102455.08	98	110	105	97	281371	209810	108395
		104	0*					
SA081910.D	102455.09	98	109	105	96	276166	209040	106838
		104	0*					
SA081911.D	102455.10	100	111	106	98	285443	214211	112153
		103	0*					
SA081912.D	102455.11	98	109	104	96	279338	211227	109036
		104	0*					
SA081913.D	102455.12	101	111	105	99	283617	215279	111723
		105	0*					
SA081914.D	102455.13	101	110	105	98	272880	205364	105023
		106	0*					
SA081915.D	102455.14	99	109	106	97	284929	213978	109557
		104	0*					
SA081916.D	102455.16	101	111	105	99	279810	210036	108783
		105	0*					
SA081917.D	102455.17	100	109	105	98	274469	207015	108379
		103	0*					
SA081918.D	102455.20	99	110	104	97	272907	206995	104471
		106	0*					
SA081919.D	LCS20	102	109	105	100	271895	207086	110402
		102	0*					
SA081920.D	LCSD20	102	108	104	98	275414	212241	112172
		102	0*					

t - fails 12hr time check * - fails criteria

Created: Tue Aug 23 09:58:06 2011 VOAMS5

Data File : W:\1\DATA\AUG1911\SA081901.D Vial: 1
Acq On : 19 Aug 2011 9:09 am Operator: VG
Sample : BFB Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010





Spectrum Information: Average of 18.132 to 18.145 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	11323	PASS
75	95	30	60	44.9	26632	PASS
95	95	100	100	100.0	59354	PASS
96	95	5	9	7.2	4283	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.0	49272	PASS
175	174	5	9	7.2	3523	PASS
176	174	95	101	99.2	48885	PASS
177	176	5	9	6.6	3222	PASS

Evaluate Continuing Calibration Report

Data File : W:\1\DATA\AUG1911\SA081902.D Vial: 2
Acq On : 19 Aug 2011 9:43 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	10.000	10.000	0.0	92	0.00
2		dichlorodifluoromethane	40.000	32.003	20.0	73	0.00
3	P	chloromethane	40.000	34.645	13.4	80	0.00
4	C	vinyl chloride	40.000	38.823	2.9	84	0.00
5		bromomethane	40.000	37.553	6.1	84	0.00
6		chloroethane	40.000	37.965	5.1	83	0.00
7		trichlorofluoromethane	40.000	38.136	4.7	87	0.00
8		diethyl ether	20.000	19.693	1.5	90	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	19.475	2.6	88	0.00
10		acrolein	40.000	49.939	-24.8#	100	0.00
11		acetone	20.000	16.296	18.5	76	0.00
12	CM	1,1-dichloroethene	20.000	19.341	3.3	86	0.00
13		tert-Butyl Alcohol (TBA)	100.000	85.456	14.5	83	0.01
14		Iodomethane	40.000	32.401	19.0	82	0.00
15		methylene chloride	20.000	18.116	9.4	87	0.00
16		carbon disulfide	20.000	18.313	8.4	86	0.00
17		acrylonitrile	20.000	20.976	-4.9	95	0.00
18		Methyl-t-butyl ether (MTBE)	40.000	37.027	7.4	85	0.00
19		trans-1,2-dichloroethene	20.000	19.116	4.4	86	0.00
20		hexane	20.000	18.768	6.2	86	0.00
21		Isopropyl ether (DIPE)	20.000	19.192	4.0	87	0.00
22		vinyl acetate	40.000	29.694	25.8#	70	0.00
23	P	1,1-dichloroethane	20.000	19.049	4.8	87	0.00
24		Ethyl-t-butyl ether (ETBE)	20.000	14.921	25.4#	68	0.00
25		2,2-dichloropropane	20.000	9.861	50.7#	45	0.00
26		cis-1,2-dichloroethene	20.000	19.431	2.8	88	0.00
27		2-butanone (MEK)	20.000	17.660	11.7	85	0.00
28		bromochloromethane	20.000	19.603	2.0	88	0.00
29		Tetrahydrofuran (THF)	20.000	19.191	4.0	95	0.00
30	C	chloroform	20.000	18.978	5.1	89	0.00
31	S	SS Dibromofluoromethane_MS	10.000	10.060	-0.6	93	0.00
32		1,1,1-trichloroethane	20.000	15.103	24.5#	68	0.00
33		carbon tetrachloride	20.000	11.842	40.8#	58	0.00
34		1,1-dichloropropene	20.000	19.334	3.3	86	0.00
35	S	SS 1,2-DCA-d4_MS	10.000	10.785	-7.9	99	0.00
36		tert-amyl methyl ether (TAM	20.000	16.162	19.2	75	0.00
37	M	benzene	20.000	19.341	3.3	86	0.00
38		1,2-dichloroethane	20.000	20.288	-1.4	93	0.00
39	M	trichloroethene	20.000	19.226	3.9	86	0.00
40	C	1,2-dichloropropane	20.000	19.154	4.2	87	0.00
41		1,4-dioxaneV	80.000	68.773	14.0	85	0.00
42		dibromomethane	20.000	19.609	2.0	90	0.00
43		bromodichloromethane	20.000	18.335	8.3	82	0.00
44		2-Chloroethoxyethene	40.000	32.098	19.8	72	0.00
45		4-methyl-2-pentanone (MIBK)	20.000	19.797	1.0	90	0.00
46		cis-1,3-dichloropropene	20.000	16.418	17.9	73	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	88	0.00
48	S	SS Toluene-d8_MS	10.000	10.389	-3.9	91	0.00
49	CM	toluene	20.000	20.312	-1.6	86	0.00
50		trans-1,3-dichloropropene	20.000	15.703	21.5#	66	0.00
51		1,1,2-trichloroethane	20.000	20.684	-3.4	89	0.00
52		2-hexanone	20.000	20.028	-0.1	84	0.00
53		tetrachloroethene	20.000	19.872	0.6	85	0.00
54		1,3-dichloropropane	20.000	20.700	-3.5	90	0.00
55		dibromochloromethane	20.000	15.904	20.5#	78	0.00
56		1,2-dibromoethane	20.000	19.680	1.6	85	0.00

57	PM	chlorobenzene	20.000	20.279	-1.4	86	0.00
58		1,1,1,2-tetrachloroethane	20.000	17.624	11.9	70	0.00
59	C	ethylbenzene	20.000	21.278	-6.4	87	0.00
60		mp-xylene	40.000	42.451	-6.1	86	0.00
61		o-xylene	20.000	20.759	-3.8	86	0.00
62		styrene	20.000	20.762	-3.8	86	0.00
63	P	bromoform	20.000	14.823	25.9#	73	0.00
64		iso-propylbenzene	20.000	20.972	-4.9	86	0.00
65	S	SS 4-BFB_MS	10.000	9.865	1.3	86	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	85	0.00
67		bromobenzene	20.000	20.420	-2.1	85	0.00
68	P	1,1,2,2-tetrachloroethane	20.000	21.091	-5.5	90	0.00
69		1,2,3-trichloropropane	20.000	21.478	-7.4	91	0.00
70		trans-1,4-dichloro-2-butene	20.000	13.567	32.2#	57	0.00
71		n-propylbenzene	20.000	21.755	-8.8	87	0.00
72		2-chlorotoluene	20.000	21.372	-6.9	87	0.00
73		4-chlorotoluene	20.000	21.061	-5.3	87	0.00
74		1,3,5-trimethylbenzene	20.000	21.737	-8.7	87	0.00
75		tert-butylbenzene	20.000	21.371	-6.9	86	0.00
76		1,2,4-trimethylbenzene	20.000	21.602	-8.0	87	0.00
77		sec-butylbenzene	20.000	21.856	-9.3	87	0.00
78		1,3-dichlorobenzeneV	20.000	20.884	-4.4	86	0.00
79		p-isopropyltoluene	20.000	21.946	-9.7	86	0.00
80		1,4-dichlorobenzeneV	20.000	21.029	-5.1	86	0.00
81		1,2-dichlorobenzeneV	20.000	21.061	-5.3	87	0.00
82		n-butylbenzene	20.000	22.055	-10.3	87	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	10.223	-2.2	87	0.00
84		1,2-dibromo-3-chloropropane	20.000	15.622	21.9#	70	0.00
85		1,3,5-trichlorobenzV	20.000	20.401	-2.0	85	0.00
86		1,2,4-trichlorobenzV	20.000	20.510	-2.6	85	0.00
87		hexachlorobutadieneV	20.000	19.591	2.0	81	0.00
88		naphthaleneV	20.000	21.626	-8.1	89	0.00
89		1,2,3-trichlorobenzV	20.000	20.541	-2.7	86	0.00
90	S	SS 2,5-DBT_MS	20.000	17.022	14.9	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

SA081113.D 5VID0811.M Thu Sep 01 10:38:44 2011

Evaluate Continuing Calibration Report

Data File : W:\1\DATA\AUG1911\SA081902.D Vial: 2
Acq On : 19 Aug 2011 9:43 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene IS	1.000	1.000	0.0	92	0.00
2		dichlorodifluoromethane	0.271	0.217	19.9	73	0.00
3	P	chloromethane	0.312	0.270	13.5	80	0.00
4	C	vinyl chloride	0.154	0.150	2.6	84	0.00
5		bromomethane	0.150	0.141	6.0	84	0.00
6		chloroethane	0.153	0.145	5.2	83	0.00
7		trichlorofluoromethane	0.333	0.318	4.5	87	0.00
8		diethyl ether	0.192	0.189	1.6	90	0.00
9		1,1,2-Trichlorotrifluoroeth	0.237	0.231	2.5	88	0.00
10		acrolein	0.007	0.007	0.0	100	0.00
11		acetone	0.071	0.058	18.3	76	0.00
12	CM	1,1-dichloroethene	0.220	0.213	3.2	86	0.00
13		tert-Butyl Alcohol (TBA)	0.015	0.013	13.3	83	0.01
14		Iodomethane	0.235	0.204	13.2	82	0.00
15		methylene chloride	0.249	0.225	9.6	87	0.00
16		carbon disulfide	0.744	0.682	8.3	86	0.00
17		acrylonitrile	0.090	0.094	-4.4	95	0.00
18		Methyl-t-butyl ether (MTBE)	0.524	0.485	7.4	85	0.00
19		trans-1,2-dichloroethene	0.244	0.233	4.5	86	0.00
20		hexane	0.351	0.330	6.0	86	0.00
21		Isopropyl ether (DIPE)	0.924	0.887	4.0	87	0.00
22		vinyl acetate	0.341	0.253	25.8#	70	0.00
23	P	1,1-dichloroethane	0.478	0.456	4.6	87	0.00
24		Ethyl-t-butyl ether (ETBE)	0.738	0.550	25.5#	68	0.00
25		2,2-dichloropropane	0.321	0.158	50.8#	45#	0.00
26		cis-1,2-dichloroethene	0.385	0.374	2.9	88	0.00
27		2-butanone (MEK)	0.110	0.097	11.8	85	0.00
28		bromochloromethane	0.136	0.133	2.2	88	0.00
29		Tetrahydrofuran (THF)	0.064	0.062	3.1	95	0.00
30	C	chloroform	0.450	0.427	5.1	89	0.00
31	S	SS Dibromofluoromethane_MS	0.237	0.238	-0.4	93	0.00
32		1,1,1-trichloroethane	0.364	0.275	24.5#	68	0.00
33		carbon tetrachloride	0.289	0.184	36.3#	58	0.00
34		1,1-dichloropropene	0.360	0.348	3.3	86	0.00
35	S	SS 1,2-DCA-d4_MS	0.249	0.268	-7.6	99	0.00
36		tert-amyl methyl ether (TAM	0.576	0.466	19.1	75	0.00
37	M	benzene	1.092	1.056	3.3	86	0.00
38		1,2-dichloroethane	0.326	0.331	-1.5	93	0.00
39	M	trichloroethene	0.278	0.267	4.0	86	0.00
40	C	1,2-dichloropropane	0.285	0.273	4.2	87	0.00
41		1,4-dioxaneV	0.002	0.002	0.0	85	0.00
42		dibromomethane	0.148	0.145	2.0	90	0.00
43		bromodichloromethane	0.273	0.275	-0.7	82	0.00
44		2-Chloroethoxyethene	0.130	0.104	20.0#	72	0.00
45		4-methyl-2-pentanone (MIBK)	0.078	0.077	1.3	90	0.00
46		cis-1,3-dichloropropene	0.364	0.299	17.9	73	0.00
47	I	Chlorobenzene-D5 IS	1.000	1.000	0.0	88	0.00
48	S	SS Toluene-d8_MS	1.243	1.292	-3.9	91	0.00
49	CM	toluene	1.466	1.489	-1.6	86	0.00
50		trans-1,3-dichloropropene	0.362	0.313	13.5	66	0.00
51		1,1,2-trichloroethane	0.220	0.227	-3.2	89	0.00
52		2-hexanone	0.173	0.173	0.0	84	0.00
53		tetrachloroethene	0.374	0.371	0.8	85	0.00
54		1,3-dichloropropane	0.446	0.462	-3.6	90	0.00
55		dibromochloromethane	0.255	0.234	8.2	78	0.00
56		1,2-dibromoethane	0.269	0.265	1.5	85	0.00

57	PM	chlorobenzene	0.981	0.994	-1.3	86	0.00
58		1,1,1,2-tetrachloroethane	0.277	0.244	11.9	70	0.00
59	C	ethylbenzene	1.600	1.702	-6.4	87	0.00
60		mp-xylene	0.635	0.674	-6.1	86	0.00
61		o-xylene	0.631	0.655	-3.8	86	0.00
62		styrene	1.058	1.099	-3.9	86	0.00
63	P	bromoform	0.132	0.111	15.9	73	0.00
64		iso-propylbenzene	1.513	1.586	-4.8	86	0.00
65	S	SS 4-BFB_MS	0.472	0.466	1.3	86	0.00
66	I	1,4-Dichlorobenzene-D4 IS	1.000	1.000	0.0	85	0.00
67		bromobenzene	0.745	0.760	-2.0	85	0.00
68	P	1,1,2,2-tetrachloroethane	0.555	0.585	-5.4	90	0.00
69		1,2,3-trichloropropane	0.165	0.177	-7.3	91	0.00
70		trans-1,4-dichloro-2-butene	0.096	0.061	36.5#	57	0.00
71		n-propylbenzene	3.405	3.704	-8.8	87	0.00
72		2-chlorotoluene	2.113	2.258	-6.9	87	0.00
73		4-chlorotoluene	2.065	2.175	-5.3	87	0.00
74		1,3,5-trimethylbenzene	2.425	2.635	-8.7	87	0.00
75		tert-butylbenzene	2.106	2.250	-6.8	86	0.00
76		1,2,4-trimethylbenzene	2.479	2.677	-8.0	87	0.00
77		sec-butylbenzene	3.024	3.304	-9.3	87	0.00
78		1,3-dichlorobenzeneV	1.384	1.445	-4.4	86	0.00
79		p-isopropyltoluene	2.535	2.781	-9.7	86	0.00
80		1,4-dichlorobenzeneV	1.376	1.447	-5.2	86	0.00
81		1,2-dichlorobenzeneV	1.270	1.338	-5.4	87	0.00
82		n-butylbenzene	2.180	2.404	-10.3	87	0.00
83	S	SS 1,2-DCB-D4_MS	0.882	0.902	-2.3	87	0.00
84		1,2-dibromo-3-chloropropane	0.096	0.079	17.7	70	0.00
85		1,3,5-trichlorobenzV	0.868	0.885	-2.0	85	0.00
86		1,2,4-trichlorobenzV	0.728	0.747	-2.6	85	0.00
87		hexachlorobutadieneV	0.321	0.346	-7.8	81	0.00
88		naphthaleneV	1.693	1.830	-8.1	89	0.00
89		1,2,3-trichlorobenzV	0.636	0.653	-2.7	86	0.00
90	S	SS 2,5-DBT_MS	0.232	0.197	15.1	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

SA081113.D 5VID0811.M Thu Sep 01 10:39:16 2011

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1911\SA081902.D Vial: 2
Acq On : 19 Aug 2011 9:43 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 19 10:09:02 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	282650	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	214340	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	114858	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	67276	10.06	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.60%			
35) SS 1,2-DCA-d4_MS	11.39	65	75848	10.78	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.85%			
48) SS Toluene-d8_MS	14.67	98	276853	10.39	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.89%			
65) SS 4-BFB_MS	18.14	95	99871	9.86	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.65%			
83) SS 1,2-DCB-D4_MS	19.76	152	103592	10.22	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.23%			
90) SS 2,5-DBT_MS	23.36	250	45279	17.02	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 42.56%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	245527	32.003	ug/L	100
3) chloromethane	3.33	50	305636	34.645	ug/L	100
4) vinyl chloride	3.48	62	169397	38.823	ug/L	99
5) bromomethane	4.13	94	159582	37.553	ug/L	99
6) chloroethane	4.25	64	163930	37.965	ug/L	99
7) trichlorofluoromethane	4.65	101	359281	38.136	ug/L	100
8) diethyl ether	5.14	59	107034	19.693	ug/L	99
9) 1,1,2-Trichlorotrifluoroet	5.41	101	130622	19.475	ug/L	100
10) acrolein	5.40	56	8315	49.939	ug/L	91
11) acetone	5.52	43	32926m	16.296	ug/L	
12) 1,1-dichloroethene	5.74	96	120404	19.341	ug/L	99
13) tert-Butyl Alcohol (TBA)	5.90	59	36535	85.456	ug/L #	78
14) Iodomethane	6.33	142	230078	32.401	ug/L	98
15) methylene chloride	6.67	84	127384	18.116	ug/L	96
16) carbon disulfide	6.70	76	385277	18.313	ug/L	99
17) acrylonitrile	6.92	53	53140	20.976	ug/L	98
18) Methyl-t-butyl ether (MTBE	6.96	73	548314	37.027	ug/L #	95
19) trans-1,2-dichloroethene	7.26	96	131969	19.116	ug/L	98
20) hexane	7.38	57	186378	18.768	ug/L	97
21) Isopropyl ether (DIPE)	7.91	45	501281	19.192	ug/L	98
22) vinyl acetate	8.14	43	285849	29.694	ug/L	98
23) 1,1-dichloroethane	8.14	63	257560	19.049	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	8.77	59	311118	14.921	ug/L #	93
25) 2,2-dichloropropane	9.34	77	89529	9.861	ug/L #	49
26) cis-1,2-dichloroethene	9.43	61	211692	19.431	ug/L	99
27) 2-butanone (MEK)	9.05	43	54962	17.660	ug/L	96
28) bromochloromethane	10.14	128	75300	19.603	ug/L	96
29) Tetrahydrofuran (THF)	10.23	42	34816	19.191	ug/L	97
30) chloroform	9.78	83	241348	18.978	ug/L	99
32) 1,1,1-trichloroethane	10.67	97	155568	15.103	ug/L	97
33) carbon tetrachloride	11.23	117	104037	11.842	ug/L	99
34) 1,1-dichloropropene	11.03	75	196965	19.334	ug/L	97
36) tert-amyl methyl ether (TA	11.29	73	263237	16.162	ug/L #	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1911\SA081902.D Vial: 2
Acq On : 19 Aug 2011 9:43 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 19 10:09:02 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

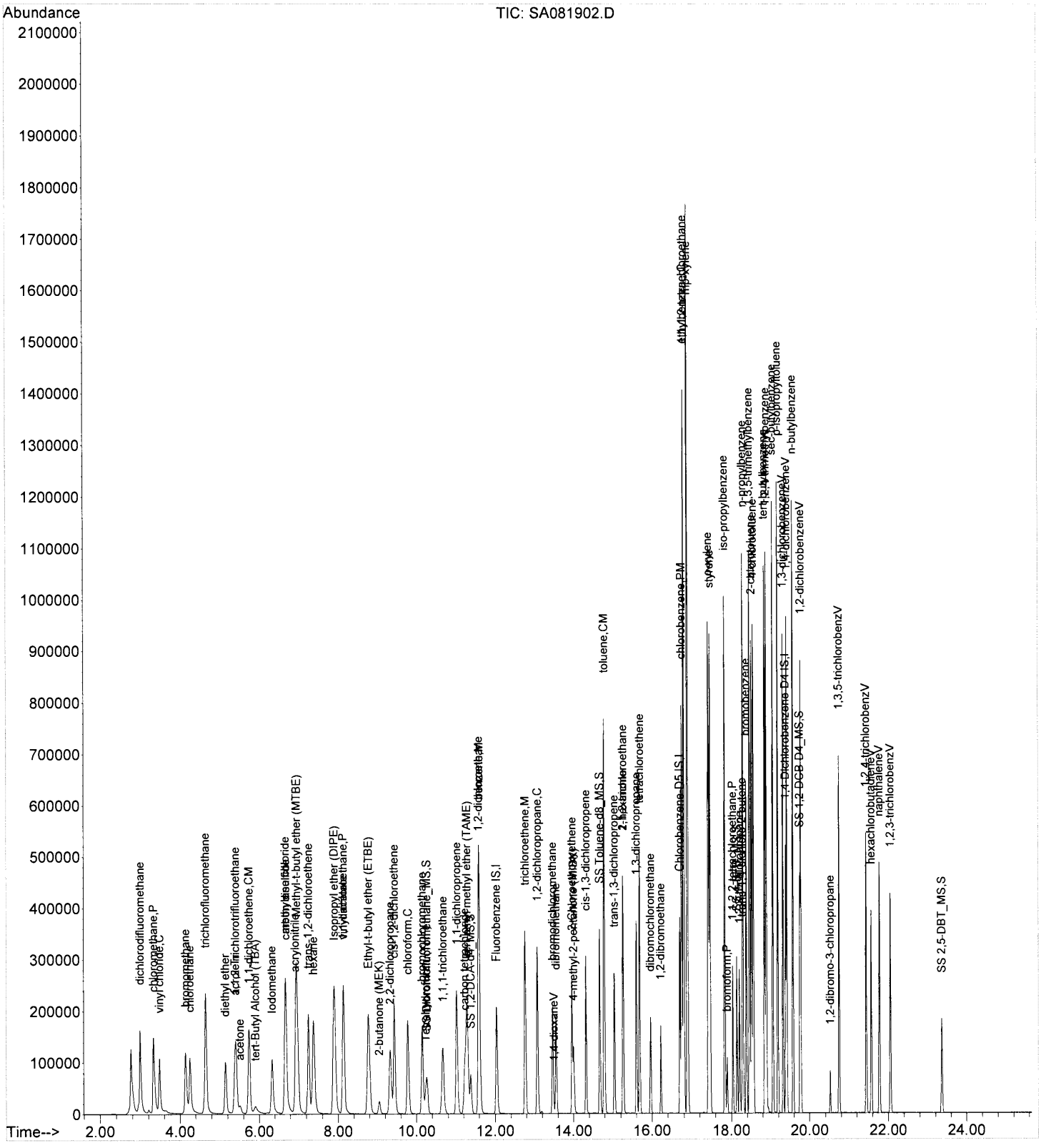
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37)	benzene	11.60	78	596758	19.341 ug/L	99
38)	1,2-dichloroethane	11.58	62	187035	20.288 ug/L	100
39)	trichloroethene	12.77	95	151124	19.226 ug/L	98
40)	1,2-dichloropropane	13.08	63	154296	19.154 ug/L	97
41)	1,4-dioxaneV	13.51	88	4266m	68.773 ug/L	
42)	dibromomethane	13.55	93	82126	19.609 ug/L	98
43)	bromodichloromethane	13.47	83	155495	18.335 ug/L	99
44)	2-Chloroethoxyethene	13.97	63	117773	32.098 ug/L	96
45)	4-methyl-2-pentanone (MIBK	14.01	58	43619	19.797 ug/L	84
46)	cis-1,3-dichloropropene	14.32	75	169145	16.418 ug/L	96
49)	toluene	14.79	91	638164	20.312 ug/L	99
50)	trans-1,3-dichloropropene	15.04	75	134037	15.703 ug/L	95
51)	1,1,2-trichloroethane	15.26	83	97322	20.684 ug/L	98
52)	2-hexanone	15.26	43	74136	20.028 ug/L	97
53)	tetrachloroethene	15.69	166	159254	19.872 ug/L	97
54)	1,3-dichloropropane	15.60	76	197995	20.700 ug/L	96
55)	dibromochloromethane	15.96	129	100312	15.904 ug/L #	100
56)	1,2-dibromoethane	16.22	107	113652	19.680 ug/L	100
57)	chlorobenzene	16.75	112	426221	20.279 ug/L	99
58)	1,1,1,2-tetrachloroethane	16.79	131	104583	17.624 ug/L	100
59)	ethylbenzene	16.79	91	729653	21.278 ug/L	99
60)	mp-xylene	16.89	106	578187	42.451 ug/L	99
61)	o-xylene	17.42	106	280951	20.759 ug/L	99
62)	styrene	17.46	104	470994	20.762 ug/L	98
63)	bromoform	17.89	173	47460	14.823 ug/L	98
64)	iso-propylbenzene	17.83	105	680054	20.972 ug/L	99
67)	bromobenzene	18.38	156	174633	20.420 ug/L	96
68)	1,1,2,2-tetrachloroethane	18.04	83	134450	21.091 ug/L	99
69)	1,2,3-trichloropropane	18.21	110	40754	21.478 ug/L	99
70)	trans-1,4-dichloro-2-buten	18.27	75	13954	13.567 ug/L #	49
71)	n-propylbenzene	18.29	91	850792	21.755 ug/L	99
72)	2-chlorotoluene	18.52	91	518591	21.372 ug/L	99
73)	4-chlorotoluene	18.56	91	499521	21.061 ug/L	100
74)	1,3,5-trimethylbenzene	18.46	105	605393	21.737 ug/L	100
75)	tert-butylbenzene	18.85	119	516931	21.371 ug/L	100
76)	1,2,4-trimethylbenzene	18.89	105	615020	21.602 ug/L	100
77)	sec-butylbenzene	19.06	105	759067	21.856 ug/L	100
78)	1,3-dichlorobenzeneV	19.32	146	331949	20.884 ug/L	98
79)	p-isopropyltoluene	19.19	119	638948	21.946 ug/L	100
80)	1,4-dichlorobenzeneV	19.42	146	332432	21.029 ug/L	97
81)	1,2-dichlorobenzeneV	19.78	146	307269	21.061 ug/L	96
82)	n-butylbenzene	19.58	91	552342	22.055 ug/L	99
84)	1,2-dibromo-3-chloropropan	20.52	157	18245	15.622 ug/L	96
85)	1,3,5-trichlorobenzV	20.75	180	203396	20.401 ug/L	99
86)	1,2,4-trichlorobenzV	21.44	180	171596	20.510 ug/L	99
87)	hexachlorobutadieneV	21.56	225	79430	19.591 ug/L	97
88)	naphthaleneV	21.77	128	420429	21.626 ug/L	100
89)	1,2,3-trichlorobenzV	22.05	180	150035	20.541 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1911\SA081902.D Vial: 2
Acq On : 19 Aug 2011 9:43 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 19 10:10 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1911\SA081904.D Vial: 4
Acq On : 19 Aug 2011 10:51 am Operator: VG
Sample : BlnkA081911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:55:30 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	274639	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	207139	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	106570	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	63940	9.84	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.40%			
35) SS 1,2-DCA-d4_MS	11.39	65	74720	10.93	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.34%			
48) SS Toluene-d8_MS	14.67	98	271111	10.53	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.27%			
65) SS 4-BFB_MS	18.14	95	95113	9.72	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.21%			
83) SS 1,2-DCB-D4_MS	19.75	152	97667	10.39	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.88%			
90) SS 2,5-DBT_MS	23.36	250	114	0.05	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.11%#			

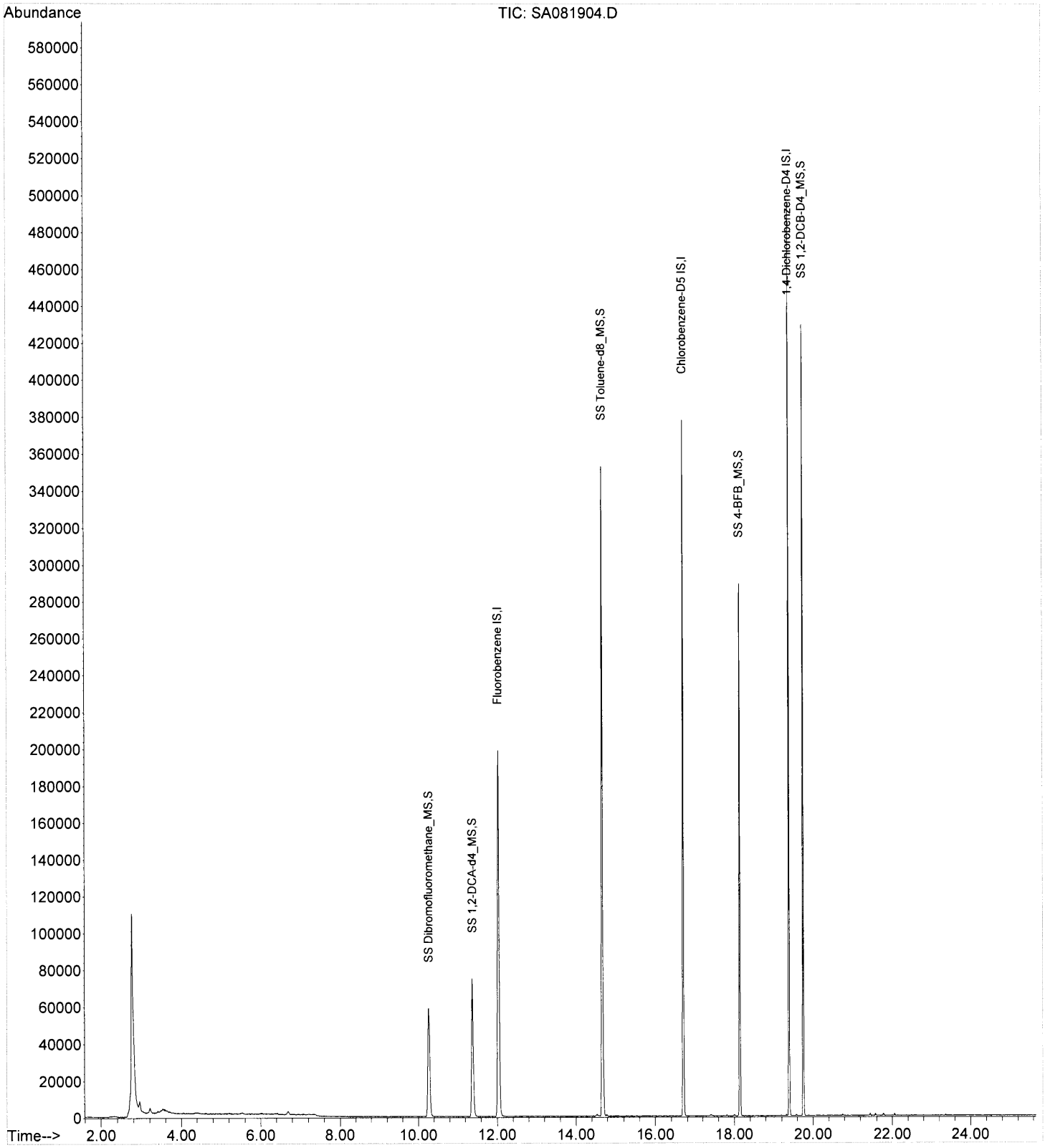
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1911\SA081904.D Vial: 4
Acq On : 19 Aug 2011 10:51 am Operator: VG
Sample : BlnkA081911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 25 12:40 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1911\SA081919.D Vial: 19
Acq On : 19 Aug 2011 7:32 pm Operator: VG
Sample : LCSaA081911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:55:44 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	271895	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	207086	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	110402	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.26	111	65675	10.21	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.09%			
35) SS 1,2-DCA-d4_MS	11.39	65	73618	10.88	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.82%			
48) SS Toluene-d8_MS	14.67	98	269851	10.48	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.81%			
65) SS 4-BFB_MS	18.14	95	97626	9.98	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.81%			
83) SS 1,2-DCB-D4_MS	19.75	152	99206	10.19	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.86%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	149628	20.275	ug/L	100
3) chloromethane	3.33	50	172348	20.309	ug/L	100
4) vinyl chloride	3.48	62	96486	22.987	ug/L	98
5) bromomethane	4.13	94	62775	15.357	ug/L	98
6) chloroethane	4.25	64	92007	22.151	ug/L	99
7) trichlorofluoromethane	4.65	101	199725	22.038	ug/L	99
8) diethyl ether	5.15	59	101823	19.475	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	5.41	101	121889	18.892	ug/L	99
11) acetone	5.52	43	30593	15.740	ug/L	95
12) 1,1-dichloroethene	5.74	96	113687	18.984	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.90	59	36891	89.702	ug/L	95
14) Iodomethane	6.33	142	103229	16.672	ug/L #	96
15) methylene chloride	6.67	84	126120	18.645	ug/L	95
16) carbon disulfide	6.69	76	315199	15.574	ug/L	99
17) acrylonitrile	6.93	53	45435	18.644	ug/L	96
18) Methyl-t-butyl ether (MTBE	6.96	73	265227	18.619	ug/L #	94
19) trans-1,2-dichloroethene	7.26	96	129657	19.524	ug/L	98
21) Isopropyl ether (DIPE)	7.91	45	504452	20.077	ug/L	97
22) vinyl acetate	8.14	43	187937	20.295	ug/L	99
23) 1,1-dichloroethane	8.14	63	257381	19.789	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	8.77	59	301501	15.031	ug/L #	91
25) 2,2-dichloropropane	9.34	77	82503	9.446	ug/L #	40
26) cis-1,2-dichloroethene	9.43	61	222308	21.212	ug/L	93
27) 2-butanone (MEK)	9.05	43	54499	18.204	ug/L	97
28) bromochloromethane	10.15	128	72397	19.593	ug/L	95
29) Tetrahydrofuran (THF)	10.22	42	36494	20.912	ug/L	96
30) chloroform	9.78	83	246032	20.112	ug/L	99
32) 1,1,1-trichloroethane	10.66	97	154837	15.627	ug/L	97
33) carbon tetrachloride	11.23	117	104639	12.320	ug/L	98
34) 1,1-dichloropropene	11.03	75	194835	19.881	ug/L	97
36) tert-amyl methyl ether (TA	11.29	73	269615	17.208	ug/L #	43
37) benzene	11.60	78	596599	20.101	ug/L	99
38) 1,2-dichloroethane	11.58	62	185410	20.907	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1911\SA081919.D Vial: 19
Acq On : 19 Aug 2011 7:32 pm Operator: VG
Sample : LCSaA081911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:55:44 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

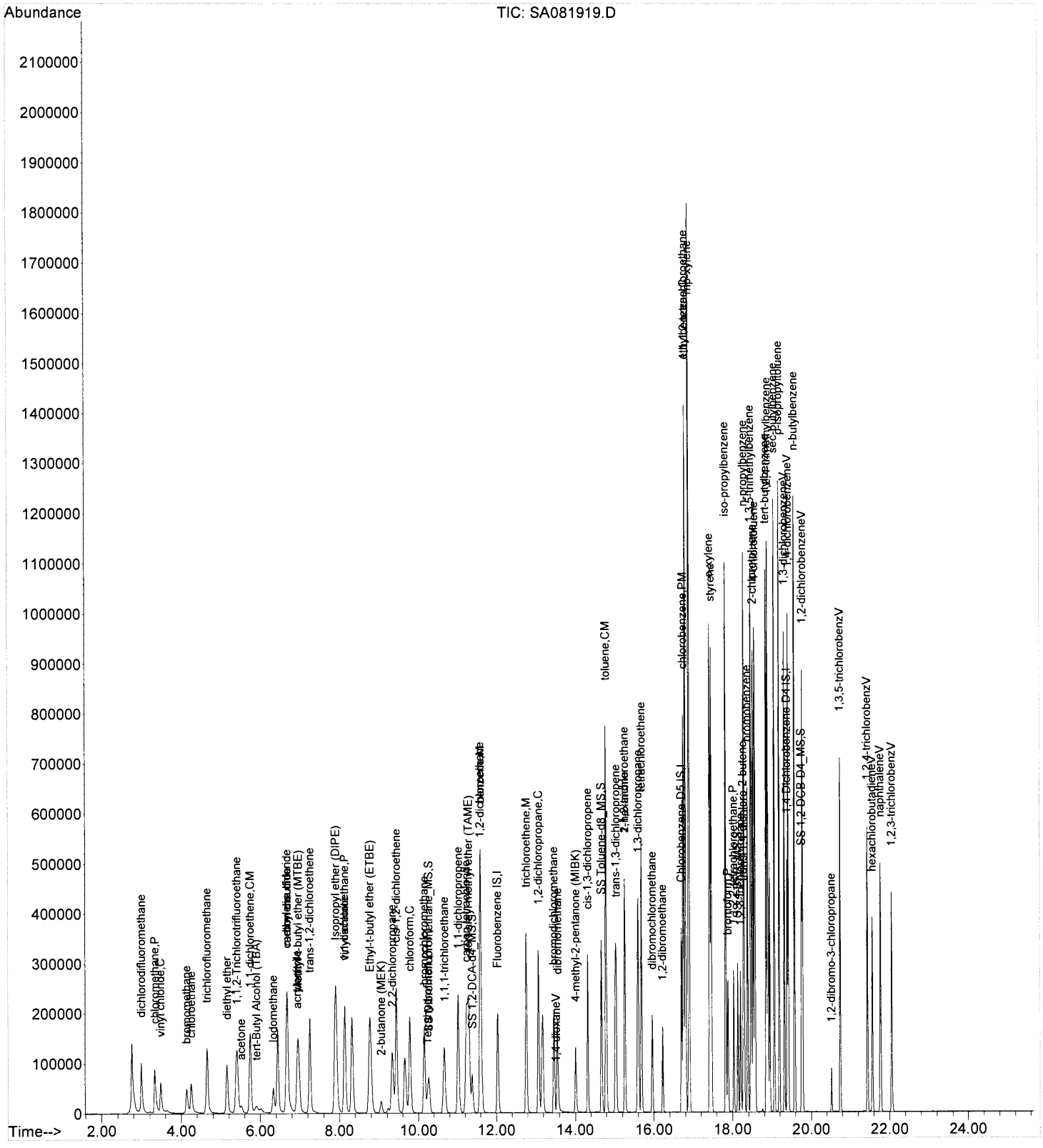
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.77	95	150038	19.843	ug/L		98
40)	1,2-dichloropropane	13.08	63	154265	19.908	ug/L		97
41)	1,4-dioxaneV	13.52	88	1627m	27.267	ug/L		
42)	dibromomethane	13.55	93	82202	20.404	ug/L		97
43)	bromodichloromethane	13.47	83	152644	18.711	ug/L		99
45)	4-methyl-2-pentanone (MIBK	14.01	58	42560	20.081	ug/L	#	75
46)	cis-1,3-dichloropropene	14.32	75	176422	17.802	ug/L		95
49)	toluene	14.79	91	645813	21.276	ug/L		99
50)	trans-1,3-dichloropropene	15.04	75	136136	16.508	ug/L	#	68
51)	1,1,2-trichloroethane	15.26	83	100045	22.008	ug/L		98
52)	2-hexanone	15.26	43	76962	21.520	ug/L		96
53)	tetrachloroethene	15.69	166	168475	21.759	ug/L		97
54)	1,3-dichloropropane	15.60	76	199780	21.618	ug/L	#	80
55)	dibromochloromethane	15.96	129	103626	16.917	ug/L	#	100
56)	1,2-dibromoethane	16.22	107	113768	20.390	ug/L		100
57)	chlorobenzene	16.75	112	430485	21.200	ug/L		98
58)	1,1,1,2-tetrachloroethane	16.79	131	104897	18.296	ug/L		100
59)	ethylbenzene	16.79	91	741185	22.372	ug/L		100
60)	mp-xylene	16.89	106	585360	44.484	ug/L		99
61)	o-xylene	17.42	106	285197	21.811	ug/L		99
62)	styrene	17.46	104	469392	21.417	ug/L		98
63)	bromoform	17.89	173	53055	16.629	ug/L	#	93
64)	iso-propylbenzene	17.83	105	746605	23.830	ug/L		99
67)	bromobenzene	18.38	156	173561	21.113	ug/L		96
68)	1,1,2,2-tetrachloroethane	18.04	83	134596	21.966	ug/L		99
69)	1,2,3-trichloropropane	18.21	110	40498	22.204	ug/L		99
70)	trans-1,4-dichloro-2-buten	18.27	75	29810	26.025	ug/L	#	78
71)	n-propylbenzene	18.29	91	871230	23.176	ug/L		99
72)	2-chlorotoluene	18.52	91	515542	22.104	ug/L		99
73)	4-chlorotoluene	18.56	91	505108	22.156	ug/L		99
74)	1,3,5-trimethylbenzene	18.46	105	607904	22.709	ug/L		100
75)	tert-butylbenzene	18.84	119	527771	22.700	ug/L		99
76)	1,2,4-trimethylbenzene	18.89	105	634390	23.181	ug/L		100
77)	sec-butylbenzene	19.06	105	775370	23.227	ug/L		100
78)	1,3-dichlorobenzeneV	19.32	146	341511	22.353	ug/L		99
79)	p-isopropyltoluene	19.19	119	655061	23.408	ug/L		100
80)	1,4-dichlorobenzeneV	19.42	146	341153	22.451	ug/L		97
81)	1,2-dichlorobenzeneV	19.78	146	308687	22.012	ug/L		96
82)	n-butylbenzene	19.58	91	569534	23.659	ug/L		99
84)	1,2-dibromo-3-chloropropan	20.52	157	19989	17.408	ug/L		98
85)	1,3,5-trichlorobenzV	20.75	180	208829	21.791	ug/L		99
86)	1,2,4-trichlorobenzV	21.44	180	180051	22.389	ug/L		99
87)	hexachlorobutadieneV	21.56	225	77219	19.815	ug/L		96
88)	naphthaleneV	21.76	128	420783	22.518	ug/L		99
89)	1,2,3-trichlorobenzV	22.05	180	151581	21.590	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1911\SA081919.D Vial: 19
Acq On : 19 Aug 2011 7:32 pm Operator: VG
Sample : LCSaA081911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 11:47 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1911\SA081920.D Vial: 20
Acq On : 19 Aug 2011 8:07 pm Operator: VG
Sample : LCSDA081911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:56:01 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	275414	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	212241	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	112172	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	66776	10.25	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.47%			
35) SS 1,2-DCA-d4_MS	11.39	65	74239	10.83	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.33%			
48) SS Toluene-d8_MS	14.67	98	274222	10.39	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.92%			
65) SS 4-BFB_MS	18.14	95	97903	9.77	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.66%			
83) SS 1,2-DCB-D4_MS	19.76	152	101237	10.23	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.30%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	146352	19.577	ug/L	100
3) chloromethane	3.33	50	168172	19.564	ug/L	100
4) vinyl chloride	3.48	62	94939	22.330	ug/L	99
5) bromomethane	4.14	94	68683	16.587	ug/L	99
6) chloroethane	4.25	64	89495	21.271	ug/L	98
7) trichlorofluoromethane	4.66	101	197468	21.511	ug/L	99
8) diethyl ether	5.15	59	103134	19.474	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	5.41	101	119261	18.248	ug/L	99
11) acetone	5.52	43	30434	15.458	ug/L	96
12) 1,1-dichloroethene	5.74	96	111164	18.326	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.89	59	40210	96.523	ug/L #	85
14) Iodomethane	6.33	142	122252	18.998	ug/L #	98
15) methylene chloride	6.66	84	126448	18.455	ug/L	96
16) carbon disulfide	6.70	76	308758	15.061	ug/L	99
17) acrylonitrile	6.93	53	46054	18.657	ug/L	96
18) Methyl-t-butyl ether (MTBE	6.96	73	270995	18.781	ug/L	95
19) trans-1,2-dichloroethene	7.25	96	127412	18.941	ug/L	98
21) Isopropyl ether (DIPE)	7.91	45	505481	19.861	ug/L	98
22) vinyl acetate	8.14	43	212365	22.640	ug/L	99
23) 1,1-dichloroethane	8.14	63	255015	19.356	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	8.78	59	342383	16.852	ug/L #	94
25) 2,2-dichloropropane	9.33	77	103074	11.651	ug/L #	63
26) cis-1,2-dichloroethene	9.43	61	220994	20.818	ug/L	93
27) 2-butanone (MEK)	9.04	43	55131	18.180	ug/L	97
28) bromochloromethane	10.14	128	73380	19.606	ug/L	96
29) Tetrahydrofuran (THF)	10.22	42	36645	20.730	ug/L	98
30) chloroform	9.79	83	246457	19.889	ug/L	99
32) 1,1,1-trichloroethane	10.67	97	169771	16.915	ug/L	97
33) carbon tetrachloride	11.23	117	119178	13.683	ug/L	99
34) 1,1-dichloropropene	11.03	75	192039	19.346	ug/L	97
36) tert-amyl methyl ether (TA	11.29	73	288747	18.194	ug/L #	46
37) benzene	11.60	78	594527	19.775	ug/L	99
38) 1,2-dichloroethane	11.59	62	186723	20.786	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1911\SA081920.D Vial: 20
Acq On : 19 Aug 2011 8:07 pm Operator: VG
Sample : LCSDA081911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:56:01 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

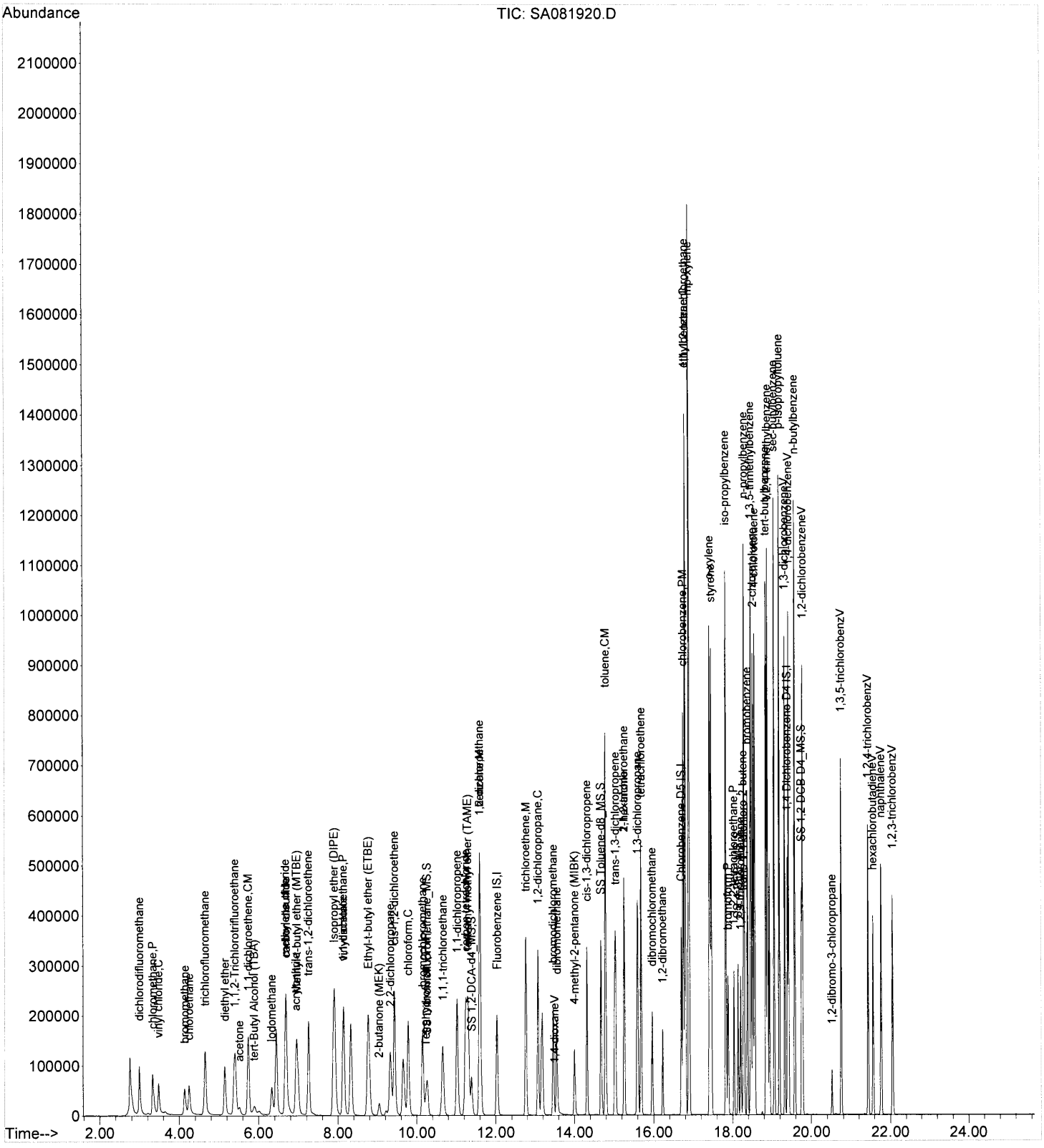
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.77	95	148414	19.377	ug/L		98
40)	1,2-dichloropropane	13.08	63	156067	19.883	ug/L		98
41)	1,4-dioxaneV	13.51	88	1527m	25.264	ug/L		
42)	dibromomethane	13.55	93	82484	20.212	ug/L		98
43)	bromodichloromethane	13.47	83	158815	19.219	ug/L		99
45)	4-methyl-2-pentanone (MIBK	14.01	58	42631	19.857	ug/L	#	75
46)	cis-1,3-dichloropropene	14.32	75	188577	18.785	ug/L		96
49)	toluene	14.79	91	639437	20.554	ug/L		99
50)	trans-1,3-dichloropropene	15.05	75	147557	17.458	ug/L	#	69
51)	1,1,2-trichloroethane	15.26	83	99861	21.434	ug/L		98
52)	2-hexanone	15.26	43	76944	20.993	ug/L		97
53)	tetrachloroethene	15.69	166	168145	21.189	ug/L		97
54)	1,3-dichloropropane	15.60	76	200742	21.195	ug/L	#	80
55)	dibromochloromethane	15.96	129	110073	17.487	ug/L	#	100
56)	1,2-dibromoethane	16.22	107	116001	20.285	ug/L		99
57)	chlorobenzene	16.75	112	431403	20.729	ug/L		99
58)	1,1,1,2-tetrachloroethane	16.79	131	111655	19.001	ug/L		99
59)	ethylbenzene	16.80	91	735187	21.652	ug/L		99
60)	mp-xylene	16.89	106	581005	43.080	ug/L		98
61)	o-xylene	17.42	106	283888	21.184	ug/L		99
62)	styrene	17.46	104	467766	20.824	ug/L		99
63)	bromoform	17.89	173	56290	17.098	ug/L	#	92
64)	iso-propylbenzene	17.83	105	745073	23.204	ug/L		99
67)	bromobenzene	18.38	156	175494	21.012	ug/L		97
68)	1,1,2,2-tetrachloroethane	18.04	83	134470	21.599	ug/L		99
69)	1,2,3-trichloropropane	18.21	110	40259	21.725	ug/L		99
70)	trans-1,4-dichloro-2-buten	18.27	75	32873	27.958	ug/L	#	78
71)	n-propylbenzene	18.29	91	869814	22.774	ug/L		99
72)	2-chlorotoluene	18.52	91	513463	21.667	ug/L		99
73)	4-chlorotoluene	18.56	91	510083	22.021	ug/L		99
74)	1,3,5-trimethylbenzene	18.46	105	609723	22.417	ug/L		99
75)	tert-butylbenzene	18.85	119	524498	22.203	ug/L		99
76)	1,2,4-trimethylbenzene	18.89	105	630695	22.683	ug/L		99
77)	sec-butylbenzene	19.06	105	775087	22.852	ug/L		100
78)	1,3-dichlorobenzeneV	19.32	146	341357	21.990	ug/L		99
79)	p-isopropyltoluene	19.19	119	655125	23.041	ug/L		99
80)	1,4-dichlorobenzeneV	19.42	146	341653	22.129	ug/L		96
81)	1,2-dichlorobenzeneV	19.78	146	311717	21.877	ug/L		96
82)	n-butylbenzene	19.58	91	567598	23.207	ug/L		100
84)	1,2-dibromo-3-chloropropan	20.52	157	21553	18.299	ug/L		97
85)	1,3,5-trichlorobenzV	20.75	180	211133	21.684	ug/L		99
86)	1,2,4-trichlorobenzV	21.44	180	180815	22.129	ug/L		98
87)	hexachlorobutadieneV	21.56	225	78448	19.813	ug/L		97
88)	naphthaleneV	21.76	128	429796	22.638	ug/L		100
89)	1,2,3-trichlorobenzV	22.05	180	154280	21.628	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1911\SA081920.D Vial: 20
Acq On : 19 Aug 2011 8:07 pm Operator: VG
Sample : LCSDA081911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 11:47 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration

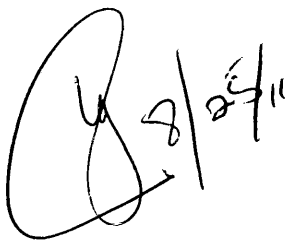


Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081905.D Vial: 5
Acq On : 19 Aug 2011 11:25 am Operator: VG
Sample : 102455.01 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:56:23 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	277911	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	210201	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	107027	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	64730	9.84	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.44%			
35) SS 1,2-DCA-d4_MS	11.39	65	74655	10.80	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.96%			
48) SS Toluene-d8_MS	14.67	98	275228	10.53	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.32%			
65) SS 4-BFB_MS	18.14	95	96915	9.76	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.61%			
83) SS 1,2-DCB-D4_MS	19.76	152	98760	10.46	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.60%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
6) chloroethane	4.26	64	3846	0.906	ug/L	96
8) diethyl ether	5.15	59	33958	6.354	ug/L	97
11) acetone	5.52	43	1274	0.641	ug/L #	51
13) tert-Butyl Alcohol (TBA)	5.90	59	1292	3.074	ug/L	91
18) Methyl-t-butyl ether (MTBE	6.96	73	27451	1.885	ug/L #	93
29) Tetrahydrofuran (THF)	10.24	42	17500	9.811	ug/L	97
37) benzene	11.60	78	33267	1.097	ug/L	98
41) 1,4-dioxaneV	13.52	88	654	10.723	ug/L	89
57) chlorobenzene	16.75	112	55813	2.708	ug/L	99
64) iso-propylbenzene	17.83	105	12712	0.400	ug/L	99
70) trans-1,4-dichloro-2-buten	18.13	75	43373	37.368	ug/L #	1
78) 1,3-dichlorobenzeneV	19.42	146	14284	0.964	ug/L #	93
80) 1,4-dichlorobenzeneV	19.42	146	14284	0.970	ug/L #	90

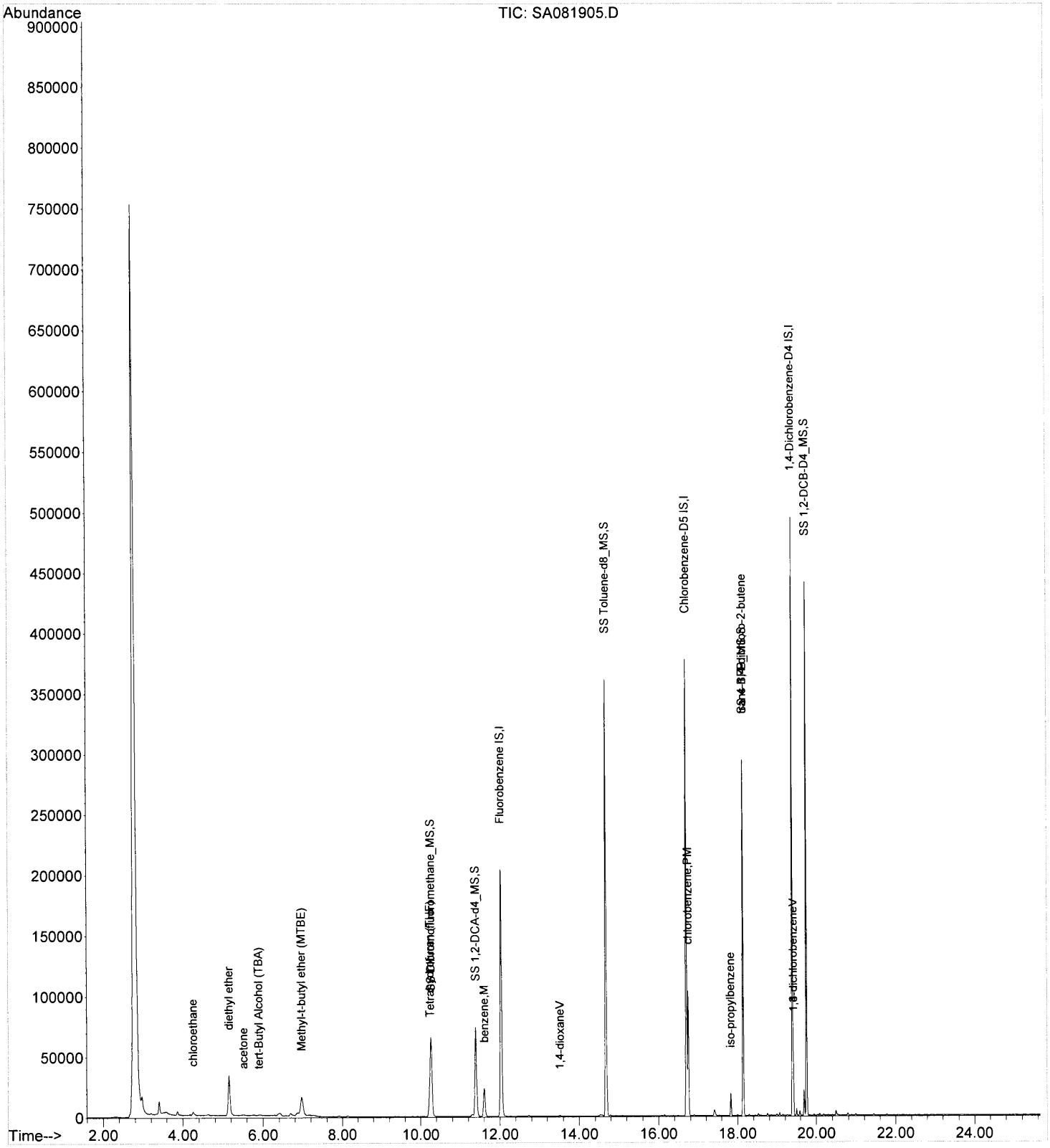


(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081905.D Vial: 5
Acq On : 19 Aug 2011 11:25 am Operator: VG
Sample : 102455.01 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:56 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081906.D Vial: 6
Acq On : 19 Aug 2011 11:59 am Operator: VG
Sample : 102455.02 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:56:29 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	280856	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	211460	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	108587	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS Dibromofluoromethane_MS	10.27	111	67019	10.09 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.85%		
35) SS 1,2-DCA-d4_MS	11.39	65	76201	10.90 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.04%		
48) SS Toluene-d8_MS	14.67	98	276755	10.53 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.27%		
65) SS 4-BFB_MS	18.14	95	97869	9.80 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.99%		
83) SS 1,2-DCB-D4_MS	19.76	152	101060	10.55 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.49%		
90) SS 2,5-DBT_MS	0.00	250	0	0.00 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#		
Target Compounds					Qvalue
6) chloroethane	4.25	64	15919	3.710 ug/L	98
8) diethyl ether	5.15	59	110403	20.443 ug/L	98
13) tert-Butyl Alcohol (TBA)	5.90	59	6417	15.105 ug/L #	82
18) Methyl-t-butyl ether (MTBE	6.96	73	44616	3.032 ug/L #	92
29) Tetrahydrofuran (THF)	10.22	42	49693	27.567 ug/L	96
37) benzene	11.60	78	44684	1.457 ug/L	98
41) 1,4-dioxaneV	13.51	88	3808	61.781 ug/L	89
52) 2-hexanone	15.15	43	1763	0.483 ug/L #	38
57) chlorobenzene	16.75	112	47691	2.300 ug/L	99
64) iso-propylbenzene	17.83	105	13184	0.412 ug/L	99
70) trans-1,4-dichloro-2-buten	18.13	75	44748	37.941 ug/L #	1
78) 1,3-dichlorobenzeneV	19.42	146	12367	0.823 ug/L #	76
80) 1,4-dichlorobenzeneV	19.42	146	12367	0.827 ug/L #	74

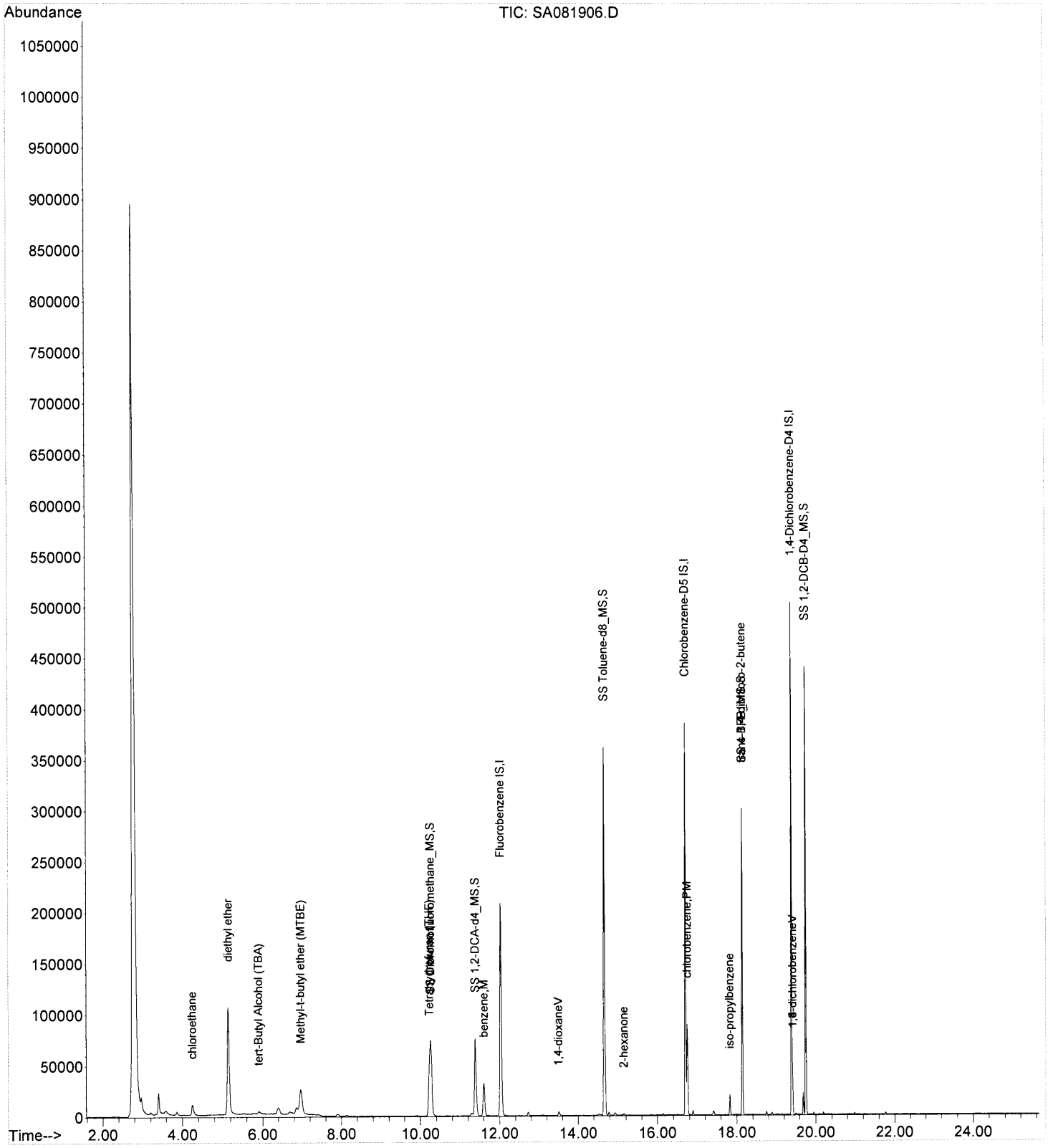
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081906.D Vial: 6
Acq On : 19 Aug 2011 11:59 am Operator: VG
Sample : 102455.02 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:56 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081907.D Vial: 7
Acq On : 19 Aug 2011 12:33 pm Operator: VG
Sample : 102455.06 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:56:33 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene IS	12.03	96	276421	10.000	ug/L		0.00
47) Chlorobenzene-D5 IS	16.70	117	208182	10.000	ug/L		0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	107761	10.000	ug/L		0.00
System Monitoring Compounds							
31) SS Dibromofluoromethane_MS	10.27	111	65362	9.99	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.94%				
35) SS 1,2-DCA-d4_MS	11.39	65	75114	10.92	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.21%				
48) SS Toluene-d8_MS	14.67	98	271476	10.49	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.89%				
65) SS 4-BFB_MS	18.13	95	96397	9.80	ug/L		0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.03%				
83) SS 1,2-DCB-D4_MS	19.75	152	98927	10.41	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.06%				
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L		
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#				
Target Compounds							Qvalue
6) chloroethane	4.26	64	35466	8.399	ug/L		99
8) diethyl ether	5.15	59	67095	12.623	ug/L		97
11) acetone	5.51	43	807	0.408	ug/L		91
13) tert-Butyl Alcohol (TBA)	5.90	59	3560	8.515	ug/L	#	86
18) Methyl-t-butyl ether (MTBE	6.97	73	4403	0.304	ug/L	#	86
29) Tetrahydrofuran (THF)	10.23	42	7900	4.453	ug/L		93
37) benzene	11.60	78	44121	1.462	ug/L		98
41) 1,4-dioxaneV	13.51	88	1006	16.583	ug/L	#	84
57) chlorobenzene	16.75	112	138945	6.807	ug/L		98
64) iso-propylbenzene	17.83	105	20697	0.657	ug/L		99
70) trans-1,4-dichloro-2-buten	18.13	75	43754	37.433	ug/L	#	1
78) 1,3-dichlorobenzeneV	19.42	146	16678	1.118	ug/L	#	92
80) 1,4-dichlorobenzeneV	19.42	146	16678	1.124	ug/L	#	89
81) 1,2-dichlorobenzeneV	19.78	146	6954	0.508	ug/L	#	1

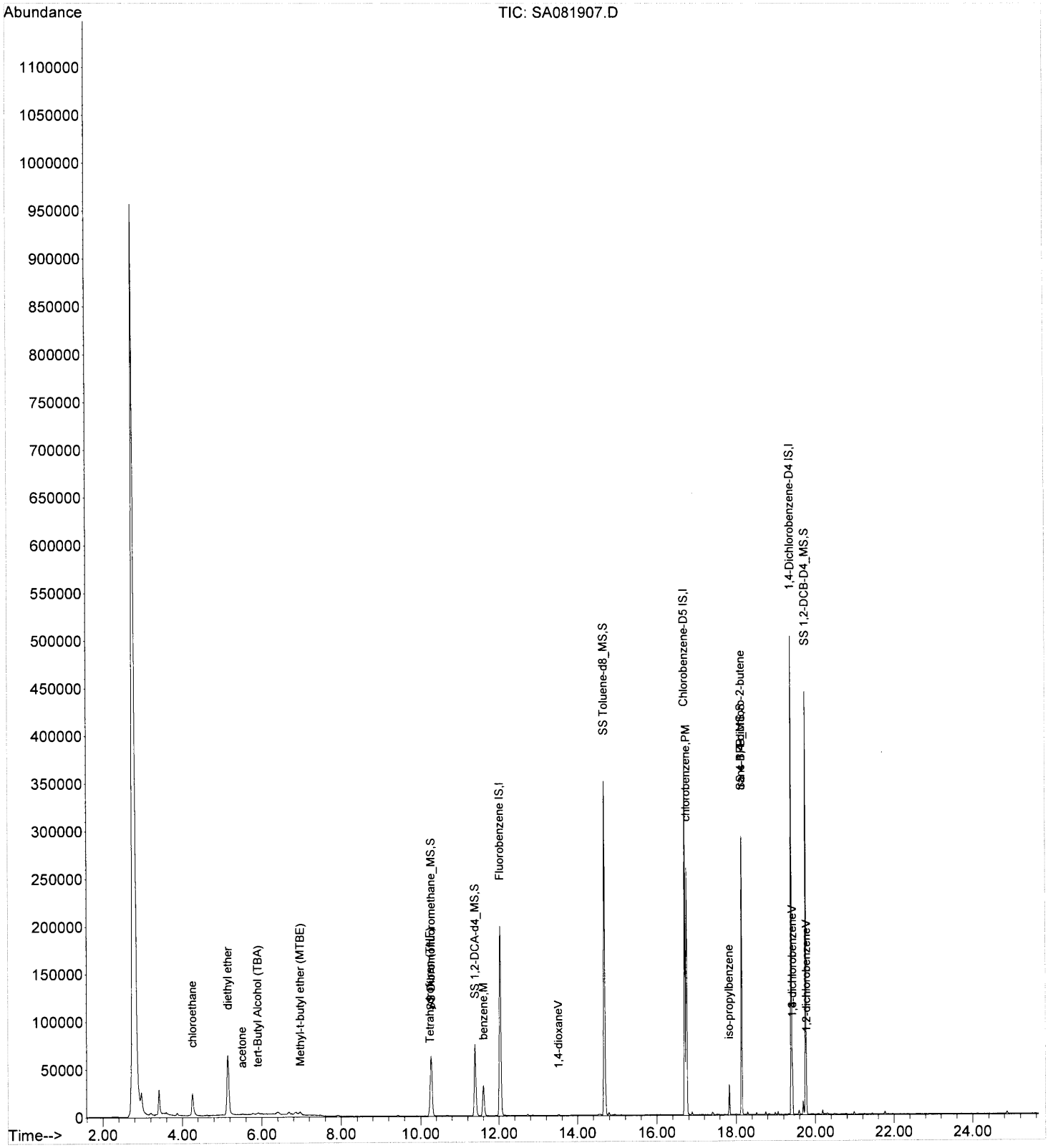
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081907.D Vial: 7
Acq On : 19 Aug 2011 12:33 pm Operator: VG
Sample : 102455.06 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:56 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081908.D Vial: 8
Acq On : 19 Aug 2011 1:07 pm Operator: VG
Sample : 102455.07 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:56:37 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	277563	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	209314	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	107127	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	65035	9.90	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.03%			
35) SS 1,2-DCA-d4_MS	11.39	65	76502	11.08	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.77%			
48) SS Toluene-d8_MS	14.67	98	271971	10.45	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.51%			
65) SS 4-BFB_MS	18.14	95	95999	9.71	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.10%			
83) SS 1,2-DCB-D4_MS	19.76	152	99760	10.56	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.56%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.53	43	1234	0.622	ug/L #	57
70) trans-1,4-dichloro-2-buten	18.14	75	44127	37.926	ug/L #	1

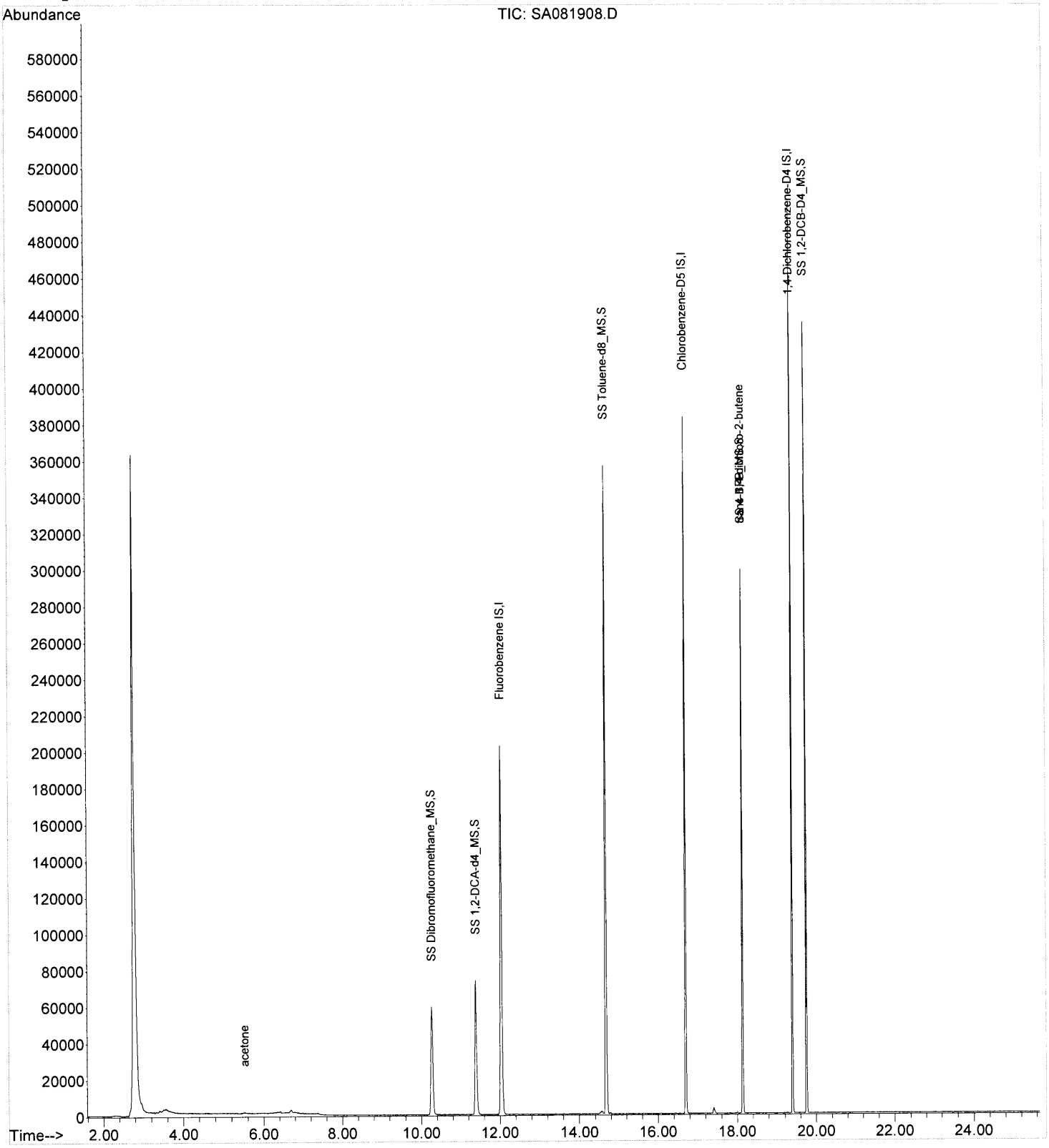
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081908.D Vial: 8
Acq On : 19 Aug 2011 1:07 pm Operator: VG
Sample : 102455.07 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:56 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081909.D Vial: 9
Acq On : 19 Aug 2011 1:41 pm Operator: VG
Sample : 102455.08 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:56:40 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	281371	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	209810	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	108395	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	65509	9.84	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.40%			
35) SS 1,2-DCA-d4_MS	11.39	65	76708	10.96	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.57%			
48) SS Toluene-d8_MS	14.67	98	274571	10.53	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.26%			
65) SS 4-BFB_MS	18.14	95	96005	9.69	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.88%			
83) SS 1,2-DCB-D4_MS	19.76	152	99199	10.37	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.74%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.52	43	1148	0.571	ug/L #	47
70) trans-1,4-dichloro-2-buten	18.14	75	44113	37.511	ug/L #	1

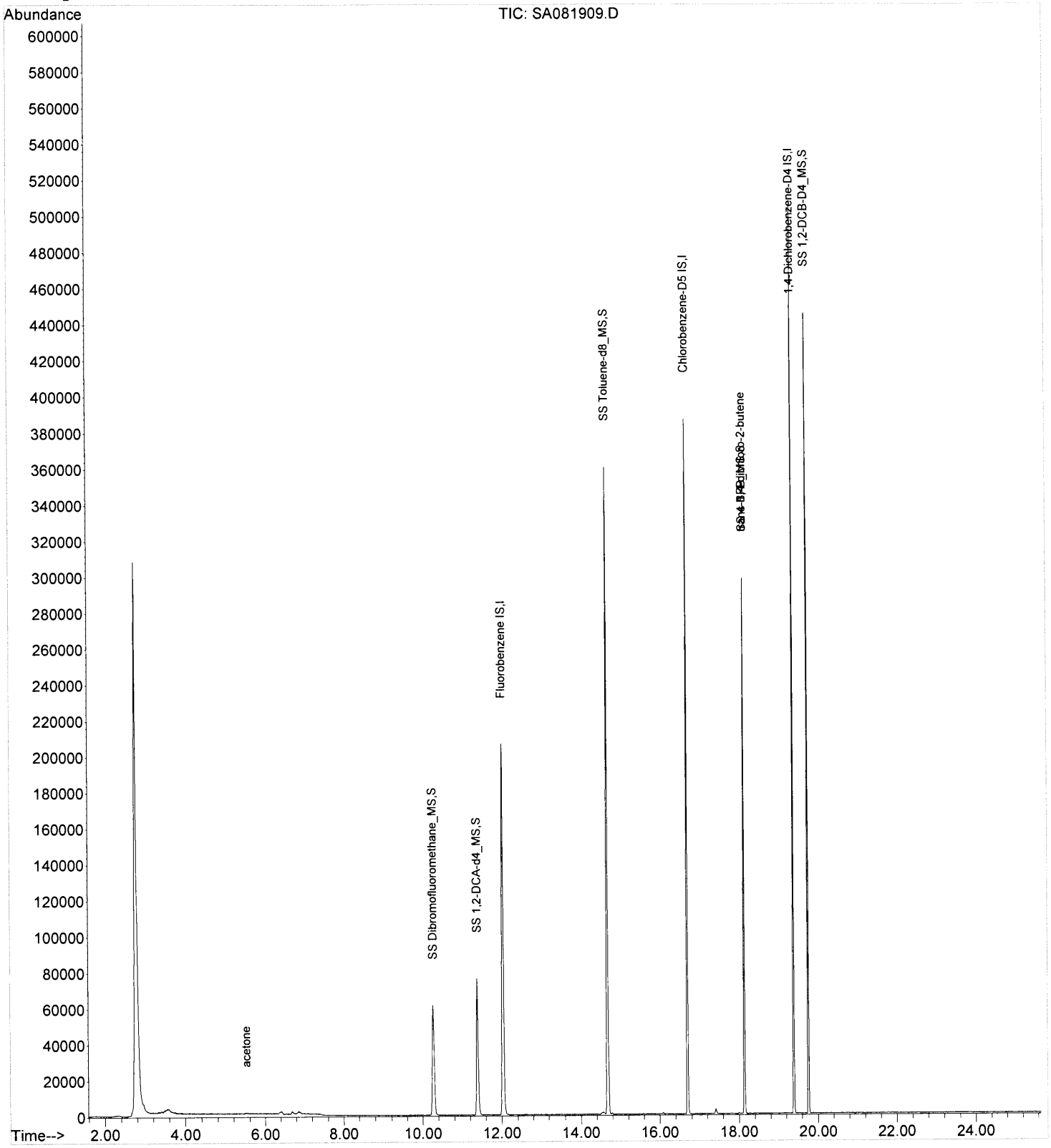
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081909.D Vial: 9
Acq On : 19 Aug 2011 1:41 pm Operator: VG
Sample : 102455.08 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:56 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081910.D Vial: 10
Acq On : 19 Aug 2011 2:16 pm Operator: VG
Sample : 102455.09 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:56:44 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	276166	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	209040	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	106838	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.26	111	64190	9.82	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.24%			
35) SS 1,2-DCA-d4_MS	11.39	65	74756	10.88	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.79%			
48) SS Toluene-d8_MS	14.67	98	272119	10.47	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.71%			
65) SS 4-BFB_MS	18.14	95	94901	9.61	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.11%			
83) SS 1,2-DCB-D4_MS	19.76	152	97620	10.36	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.57%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.51	43	1011	0.512	ug/L #	48
70) trans-1,4-dichloro-2-buten	18.13	75	43312	37.380	ug/L #	1

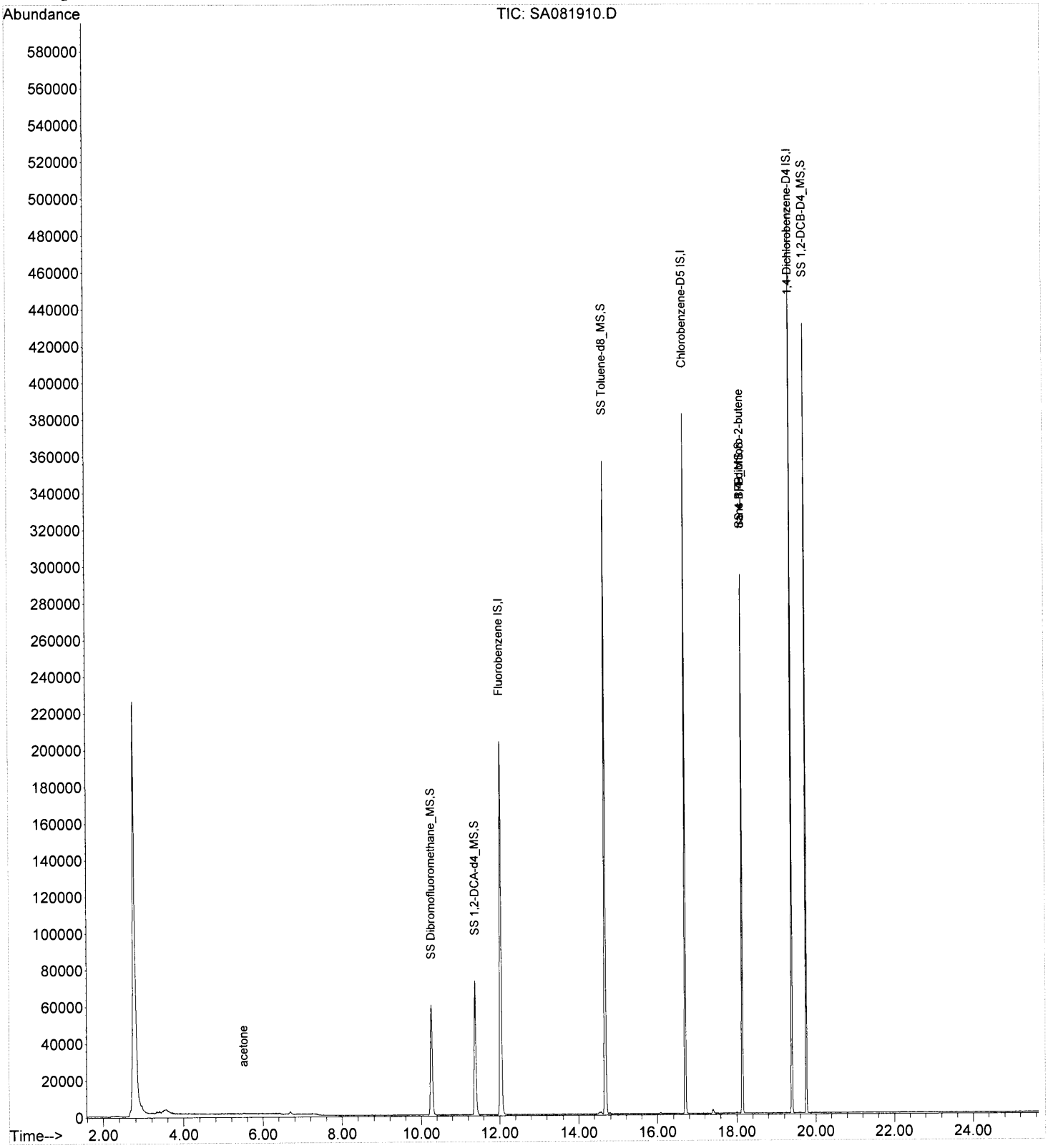
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081910.D Vial: 10
Acq On : 19 Aug 2011 2:16 pm Operator: VG
Sample : 102455.09 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:56 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081911.D Vial: 11
Acq On : 19 Aug 2011 2:50 pm Operator: VG
Sample : 102455.10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:56:48 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	285443	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	214211	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	112153	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	67362	9.97	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.74%			
35) SS 1,2-DCA-d4_MS	11.39	65	79105	11.14	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.38%			
48) SS Toluene-d8_MS	14.67	98	281299	10.56	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.62%			
65) SS 4-BFB_MS	18.13	95	99260	9.81	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.10%			
83) SS 1,2-DCB-D4_MS	19.75	152	102037	10.31	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.13%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.53	43	1285	0.630	ug/L #	46
18) Methyl-t-butyl ether (MTBE	6.98	73	14157	0.947	ug/L #	91
70) trans-1,4-dichloro-2-buten	18.13	75	45156	37.147	ug/L #	1

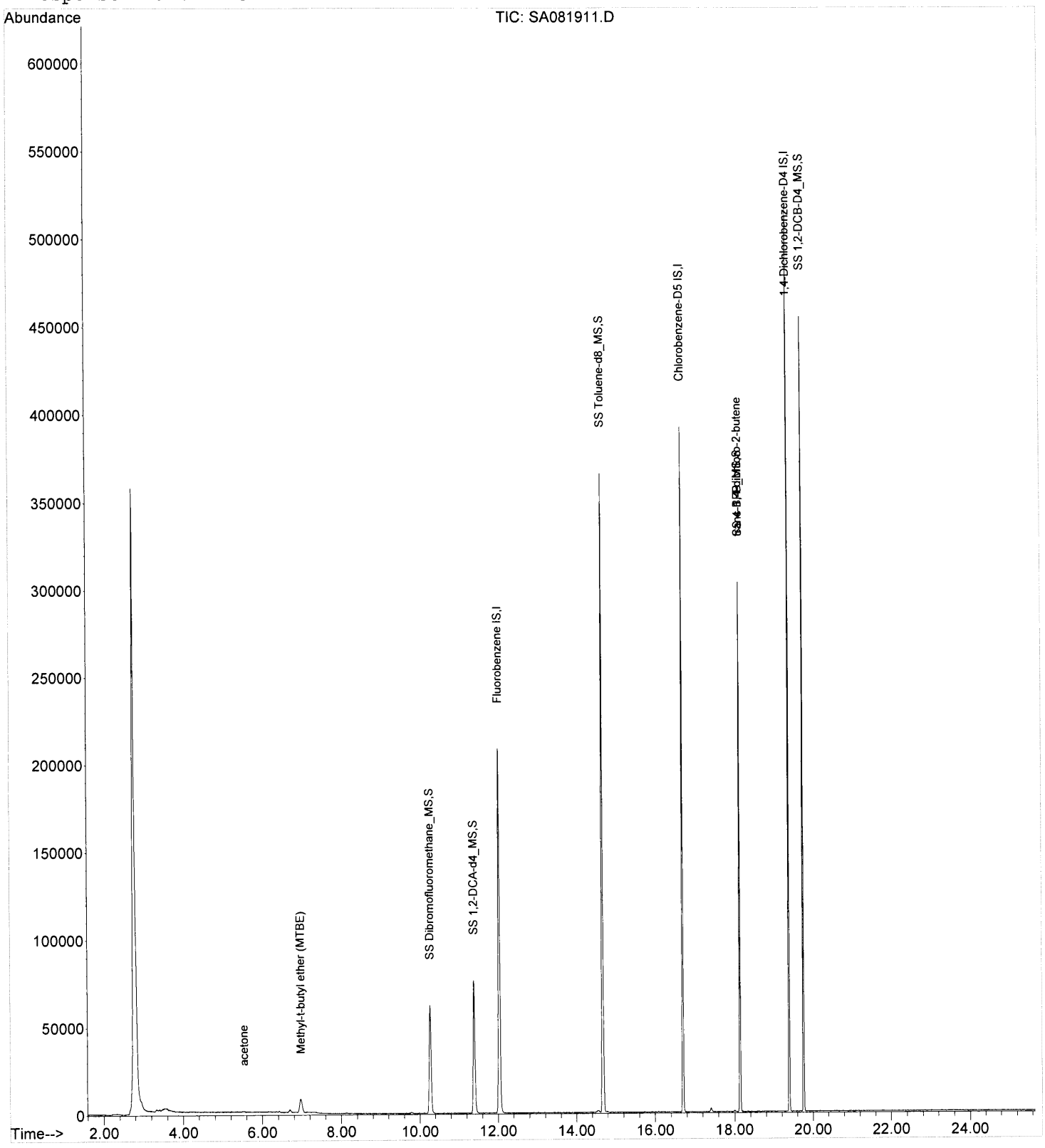
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081911.D Vial: 11
Acq On : 19 Aug 2011 2:50 pm Operator: VG
Sample : 102455.10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:56 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081912.D Vial: 12
Acq On : 19 Aug 2011 3:24 pm Operator: VG
Sample : 102455.11 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:56:51 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	279338	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	211227	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	109036	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	64663	9.78	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.84%			
35) SS 1,2-DCA-d4_MS	11.39	65	75721	10.89	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.94%			
48) SS Toluene-d8_MS	14.67	98	273621	10.42	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.19%			
65) SS 4-BFB_MS	18.14	95	95539	9.58	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.76%			
83) SS 1,2-DCB-D4_MS	19.76	152	99955	10.39	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.91%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
3) chloromethane	3.33	50	2952	0.339	ug/L	93
11) acetone	5.52	43	1630	0.816	ug/L #	69
70) trans-1,4-dichloro-2-buten	18.13	75	43413	36.772	ug/L #	1

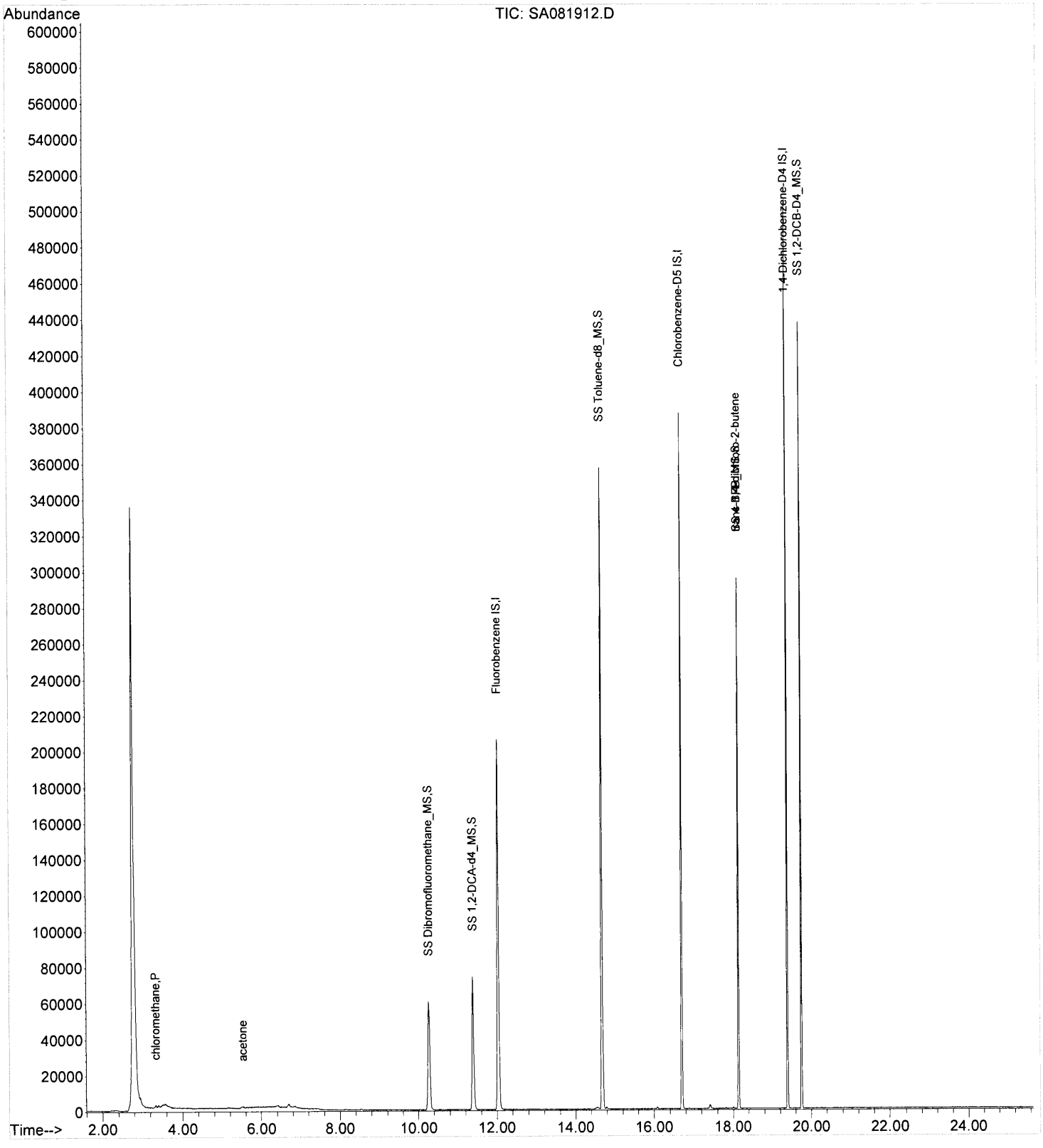
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081912.D Vial: 12
Acq On : 19 Aug 2011 3:24 pm Operator: VG
Sample : 102455.11 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:56 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081913.D Vial: 13
Acq On : 19 Aug 2011 3:58 pm Operator: VG
Sample : 102455.12 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:56:54 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	283617	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	215279	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	111723	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.26	111	67772	10.10	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.99%			
35) SS 1,2-DCA-d4_MS	11.39	65	78140	11.07	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.73%			
48) SS Toluene-d8_MS	14.67	98	281156	10.50	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.05%			
65) SS 4-BFB_MS	18.13	95	100371	9.87	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.71%			
83) SS 1,2-DCB-D4_MS	19.75	152	103623	10.51	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.13%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
6) chloroethane	4.25	64	45647	10.535	ug/L	98
8) diethyl ether	5.15	59	293531	53.823	ug/L	98
11) acetone	5.52	43	2981	1.470	ug/L #	76
13) tert-Butyl Alcohol (TBA)	5.90	59	9258	21.581	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.97	73	5181	0.349	ug/L #	82
29) Tetrahydrofuran (THF)	10.22	42	122505	67.297	ug/L	97
37) benzene	11.60	78	185538	5.993	ug/L	98
38) 1,2-dichloroethane	11.58	62	3988	0.431	ug/L #	13
41) 1,4-dioxaneV	13.51	88	4837	77.712	ug/L #	85
52) 2-hexanone	15.15	43	4001	1.076	ug/L #	40
57) chlorobenzene	16.75	112	224934	10.656	ug/L	98
60) mp-xylene	16.89	106	11823	0.864	ug/L #	88
64) iso-propylbenzene	17.83	105	92722	2.847	ug/L	98
70) trans-1,4-dichloro-2-buten	18.14	75	45616	37.623	ug/L #	1
76) 1,2,4-trimethylbenzene	18.89	105	13410	0.484	ug/L #	98
78) 1,3-dichlorobenzeneV	19.42	146	77568	5.017	ug/L	97
80) 1,4-dichlorobenzeneV	19.42	146	77568	5.044	ug/L	97
88) naphthaleneV	21.77	128	36174	1.913	ug/L	99

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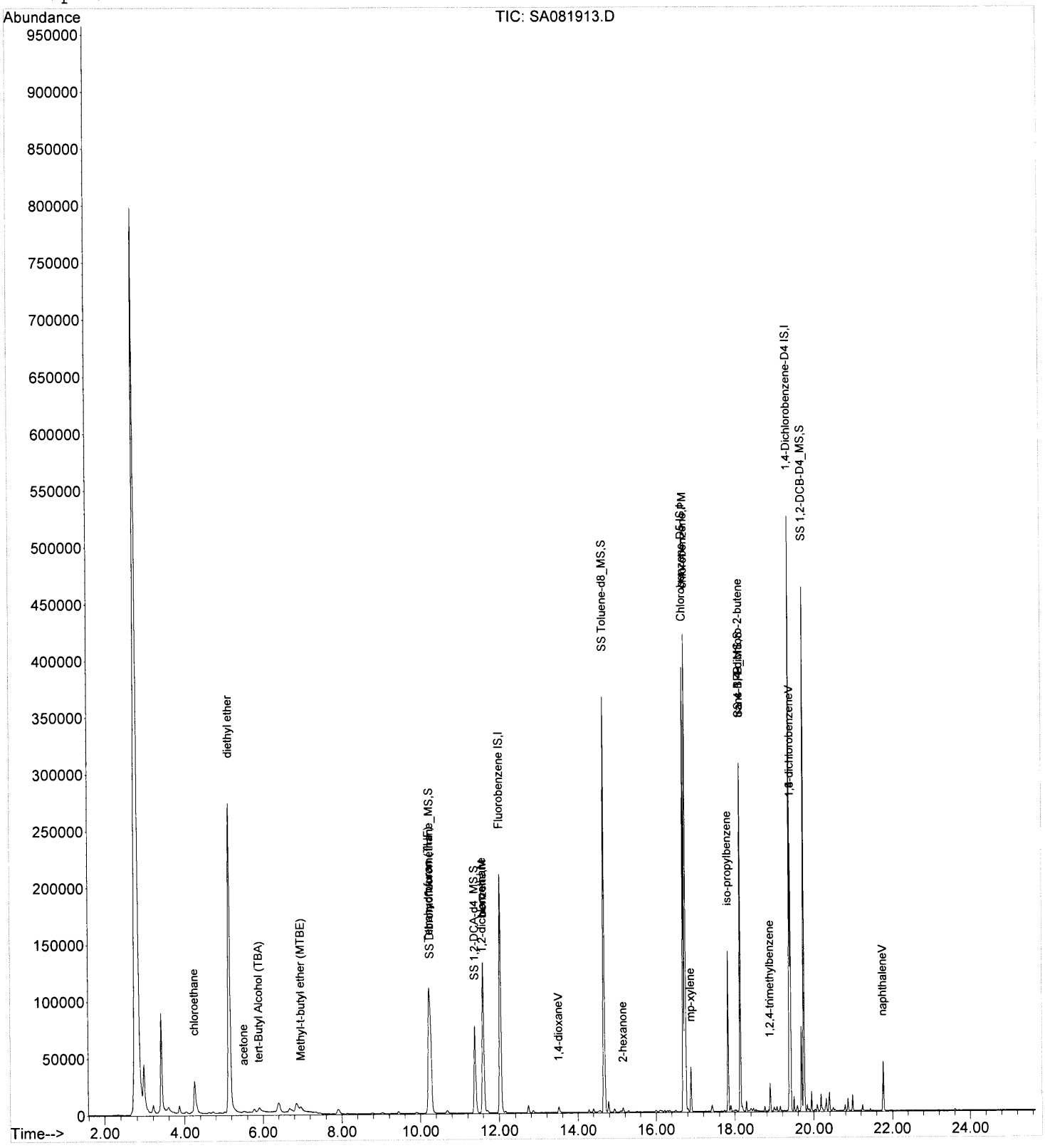
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081913.D Vial: 13
Acq On : 19 Aug 2011 3:58 pm Operator: VG
Sample : 102455.12 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:56 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081914.D Vial: 14
Acq On : 19 Aug 2011 4:32 pm Operator: VG
Sample : 102455.13 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:56:58 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	272880	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	205364	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	105023	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	65488	10.14	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.43%			
35) SS 1,2-DCA-d4_MS	11.39	65	74639	10.99	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.93%			
48) SS Toluene-d8_MS	14.67	98	268887	10.53	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.31%			
65) SS 4-BFB_MS	18.14	95	95016	9.80	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.95%			
83) SS 1,2-DCB-D4_MS	19.76	152	97831	10.56	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.59%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.51	43	1286	0.659	ug/L #	62
29) Tetrahydrofuran (THF)	10.23	42	526	0.300	ug/L #	39
70) trans-1,4-dichloro-2-buten	18.14	75	43072	37.776	ug/L #	1

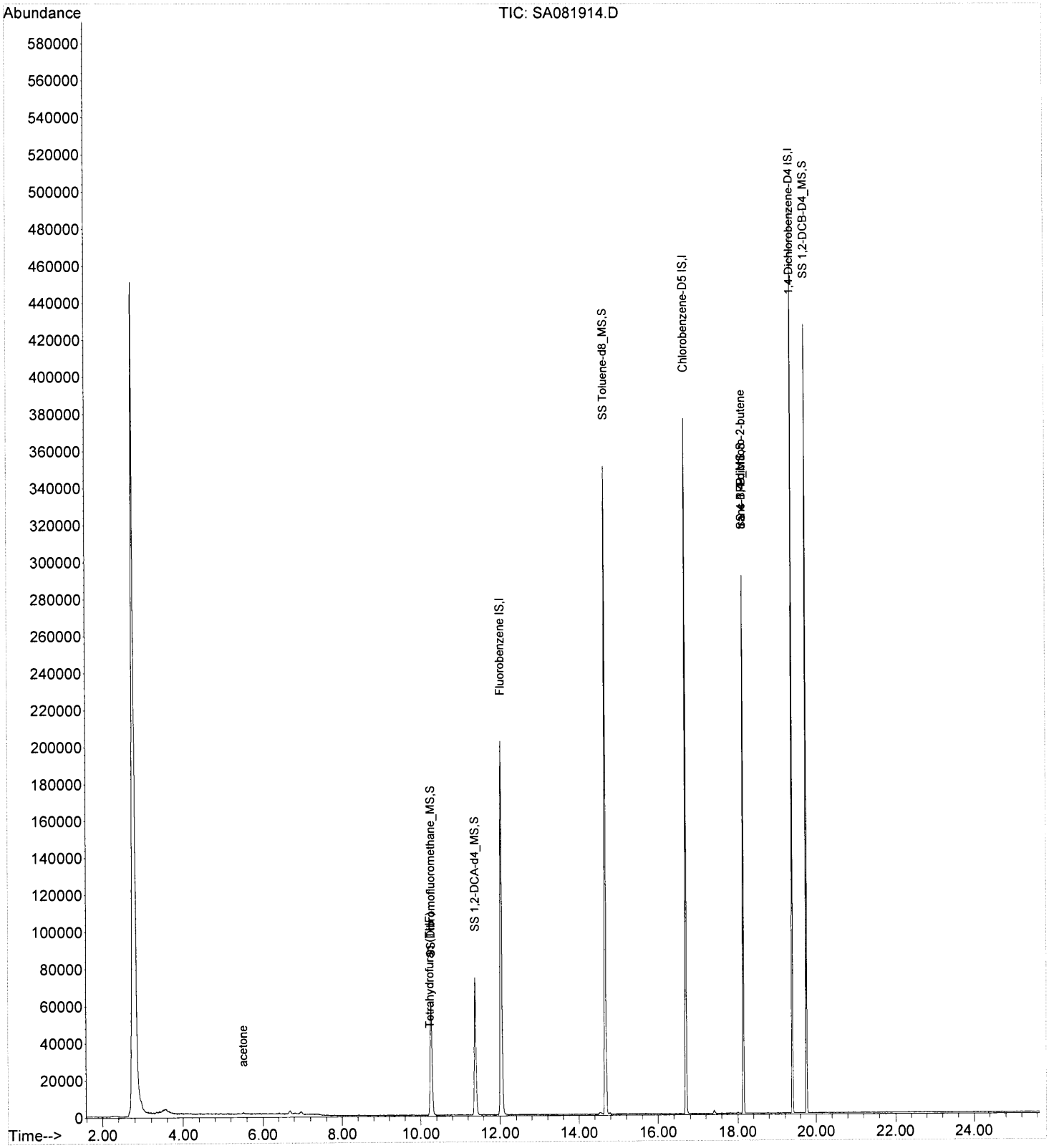
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081914.D Vial: 14
Acq On : 19 Aug 2011 4:32 pm Operator: VG
Sample : 102455.13 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:56 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081915.D Vial: 15
Acq On : 19 Aug 2011 5:07 pm Operator: VG
Sample : 102455.14 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:57:01 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	284929	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	213978	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	109557	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	66716	9.90	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.96%			
35) SS 1,2-DCA-d4_MS	11.39	65	77062	10.87	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.70%			
48) SS Toluene-d8_MS	14.67	98	281247	10.57	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.72%			
65) SS 4-BFB_MS	18.13	95	98233	9.72	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.19%			
83) SS 1,2-DCB-D4_MS	19.75	152	100817	10.43	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.31%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.52	43	2009	0.986	ug/L #	65
70) trans-1,4-dichloro-2-buten	18.13	75	44952	37.792	ug/L #	1

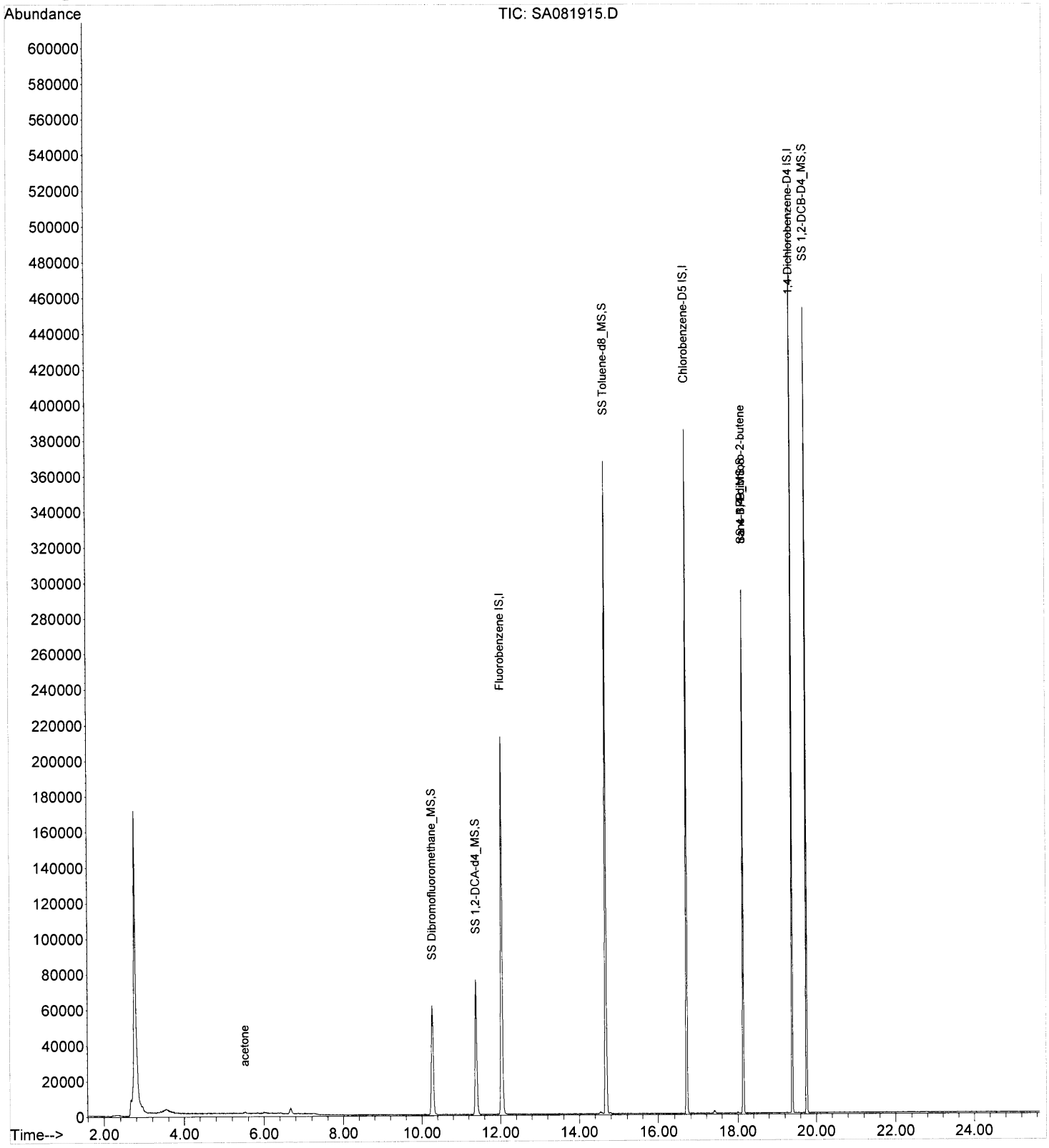
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081915.D Vial: 15
Acq On : 19 Aug 2011 5:07 pm Operator: VG
Sample : 102455.14 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:57 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081916.D Vial: 16
Acq On : 19 Aug 2011 5:50 pm Operator: VG
Sample : 102455.16 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:57:05 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	279810	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	210036	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	108783	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS Dibromofluoromethane_MS	10.27	111	66844	10.10 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.97%		
35) SS 1,2-DCA-d4_MS	11.39	65	77182	11.09 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.86%		
48) SS Toluene-d8_MS	14.67	98	272894	10.45 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.51%		
65) SS 4-BFB_MS	18.14	95	98124	9.89 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.91%		
83) SS 1,2-DCB-D4_MS	19.76	152	101094	10.53 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.34%		
90) SS 2,5-DBT_MS	0.00	250	0	0.00 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#		
Target Compounds					Qvalue
6) chloroethane	4.26	64	161540	37.791 ug/L	99
8) diethyl ether	5.15	59	537751	99.945 ug/L	99
11) acetone	5.51	43	3134	1.567 ug/L	91
13) tert-Butyl Alcohol (TBA)	5.90	59	19739	46.639 ug/L #	86
15) methylene chloride	6.67	84	2858	0.411 ug/L #	80
18) Methyl-t-butyl ether (MTBE	6.97	73	9370	0.639 ug/L #	89
21) Isopropyl ether (DIPE)	7.92	45	17525	0.678 ug/L	95
23) 1,1-dichloroethane	8.14	63	8830	0.660 ug/L #	94
29) Tetrahydrofuran (THF)	10.22	42	188715	105.080 ug/L	98
37) benzene	11.60	78	70169	2.297 ug/L	99
38) 1,2-dichloroethane	11.59	62	6896	0.756 ug/L #	84
41) 1,4-dioxaneV	13.51	88	7259	118.211 ug/L #	85
52) 2-hexanone	15.16	43	2109	0.581 ug/L #	41
57) chlorobenzene	16.75	112	65537	3.182 ug/L	99
64) iso-propylbenzene	17.83	105	31301	0.985 ug/L	98
70) trans-1,4-dichloro-2-buten	18.14	75	44617	37.778 ug/L #	1
78) 1,3-dichlorobenzeneV OC→	19.42	146	31548	2.096 ug/L	96
80) 1,4-dichlorobenzeneV	19.42	146	31548	2.107 ug/L	94
81) 1,2-dichlorobenzeneV	19.78	146	4229	0.306 ug/L #	73

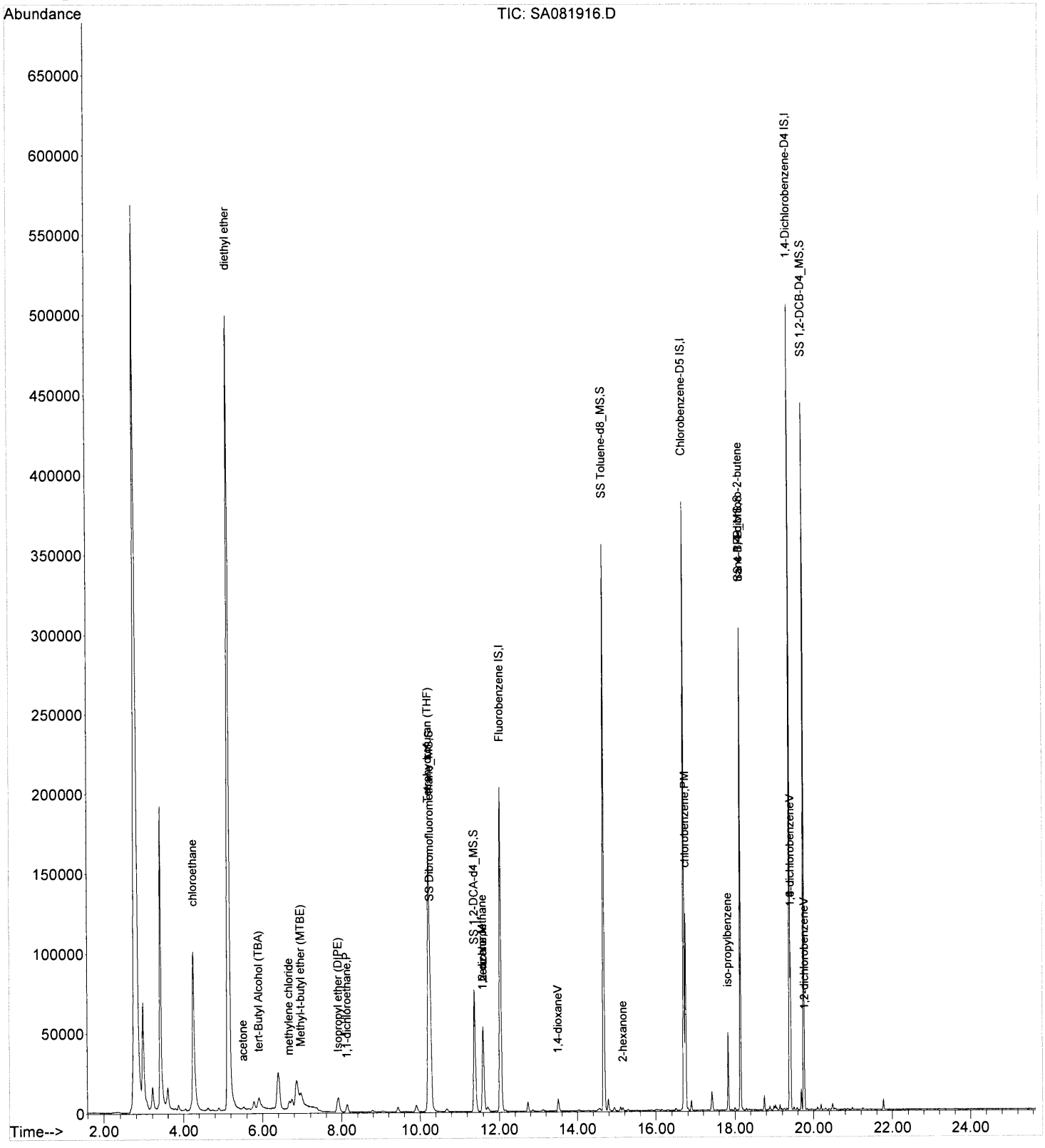
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081916.D Vial: 16
Acq On : 19 Aug 2011 5:50 pm Operator: VG
Sample : 102455.16 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:57 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081917.D Vial: 17
Acq On : 19 Aug 2011 6:24 pm Operator: VG
Sample : 102455.17 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:57:09 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	274469	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	207015	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	108379	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS Dibromofluoromethane_MS	10.27	111	65111	10.03 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.26%		
35) SS 1,2-DCA-d4_MS	11.39	65	74358	10.89 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.88%		
48) SS Toluene-d8_MS	14.67	98	269938	10.49 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.88%		
65) SS 4-BFB_MS	18.14	95	96303	9.85 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.49%		
83) SS 1,2-DCB-D4_MS	19.76	152	98150	10.27 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.65%		
90) SS 2,5-DBT_MS	0.00	250	0	0.00 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#		
Target Compounds					Qvalue
6) chloroethane	4.26	64	114970	27.420 ug/L	98
8) diethyl ether	5.15	59	462793	87.687 ug/L	99
11) acetone	5.52	43	7091	3.614 ug/L	96
13) tert-Butyl Alcohol (TBA)	5.90	59	20006	48.189 ug/L #	83
15) methylene chloride	6.67	84	3309	0.485 ug/L	86
18) Methyl-t-butyl ether (MTBE	6.98	73	8781	0.611 ug/L #	92
21) Isopropyl ether (DIPE)	7.91	45	14408	0.568 ug/L #	92
23) 1,1-dichloroethane	8.13	63	6915	0.527 ug/L #	83
29) Tetrahydrofuran (THF)	10.22	42	241299	136.974 ug/L	98
37) benzene	11.60	78	193203	6.448 ug/L	98
38) 1,2-dichloroethane	11.59	62	2970	0.332 ug/L #	1
41) 1,4-dioxaneV	13.51	88	9876	163.958 ug/L	88
49) toluene	14.79	91	19425	0.640 ug/L	98
52) 2-hexanone	15.15	43	5599	1.566 ug/L #	32
57) chlorobenzene	16.75	112	235615	11.607 ug/L	98
60) mp-xylene	16.89	106	19660	1.495 ug/L	96
61) o-xylene	17.42	106	13883	1.062 ug/L	98
64) iso-propylbenzene	17.83	105	73997	2.363 ug/L	99
70) trans-1,4-dichloro-2-buten	18.13	75	43631	37.143 ug/L #	1
76) 1,2,4-trimethylbenzene	18.89	105	39398	1.467 ug/L	99
78) 1,3-dichlorobenzeneV	19.42	146	50085	3.339 ug/L	96
80) 1,4-dichlorobenzeneV	19.42	146	50085	3.358 ug/L	97
81) 1,2-dichlorobenzeneV	19.78	146	5538	0.402 ug/L #	1
88) naphthaleneV	21.77	128	31820	1.735 ug/L #	99

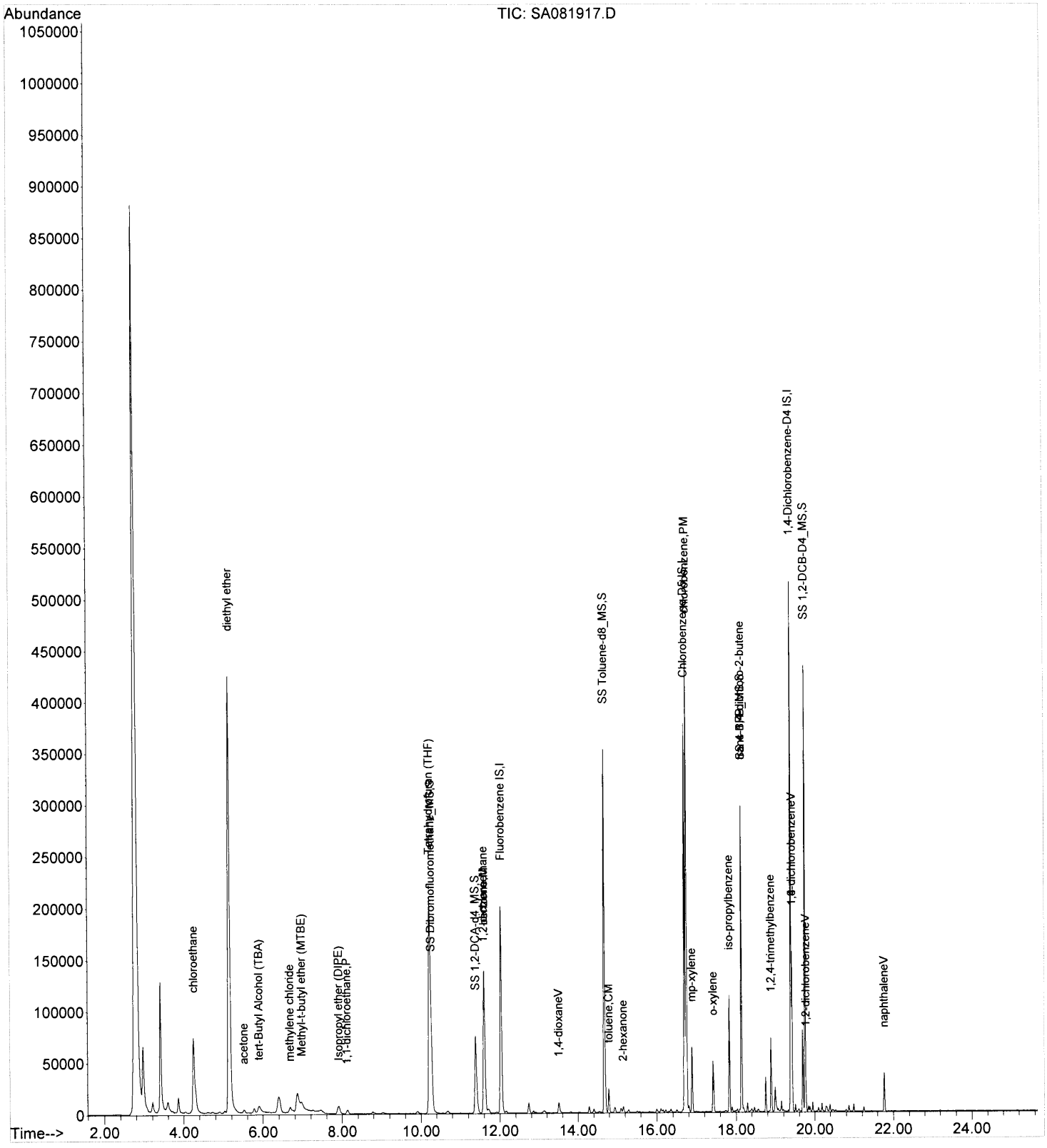
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081917.D Vial: 17
Acq On : 19 Aug 2011 6:24 pm Operator: VG
Sample : 102455.17 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:57 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081918.D Vial: 18
Acq On : 19 Aug 2011 6:58 pm Operator: VG
Sample : 102455.20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 09:57:13 2011 Quant Results File: 5VID0811.RES

Quant Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	272907	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	206995	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	104471	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	63841	9.89	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.87%			
35) SS 1,2-DCA-d4_MS	11.39	65	74609	10.99	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.87%			
48) SS Toluene-d8_MS	14.67	98	267467	10.39	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.93%			
65) SS 4-BFB_MS	18.14	95	95024	9.72	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.19%			
83) SS 1,2-DCB-D4_MS	19.76	152	97769	10.61	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.08%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.52	43	1063	0.545	ug/L #	53
29) Tetrahydrofuran (THF)	10.23	42	664	0.379	ug/L #	39
70) trans-1,4-dichloro-2-buten	18.13	75	43220	38.076	ug/L #	1

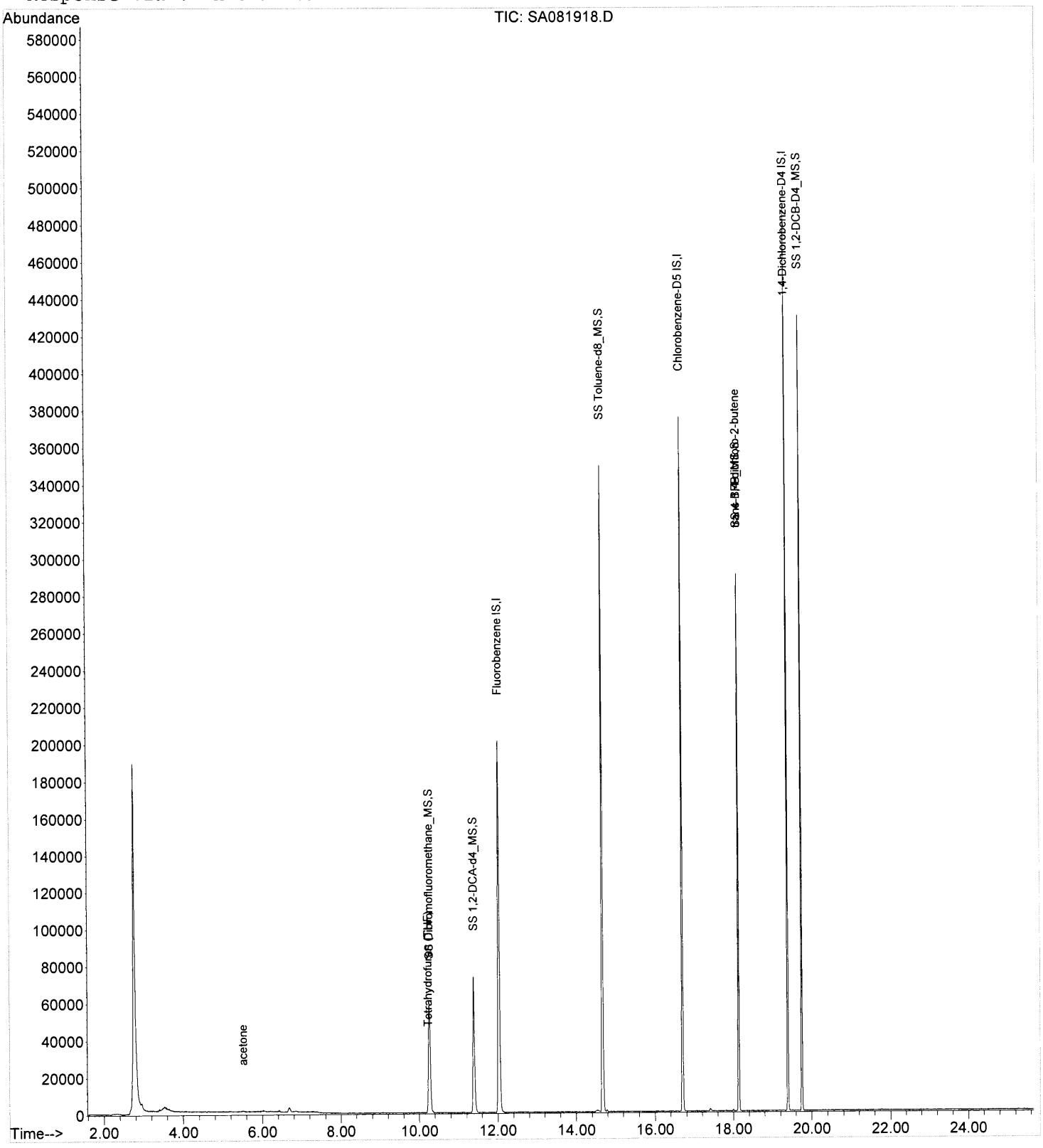
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG1911\SA081918.D Vial: 18
Acq On : 19 Aug 2011 6:58 pm Operator: VG
Sample : 102455.20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 23 9:57 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 9:58 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 29 10:37:09 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	263111	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	200435	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	107644	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	63611	10.22	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.18%			
35) SS 1,2-DCA-d4_MS	11.39	65	71483	10.92	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.19%			
48) SS Toluene-d8_MS	14.67	98	262108	10.52	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.18%			
65) SS 4-BFB_MS	18.14	95	95117	10.05	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.47%			
83) SS 1,2-DCB-D4_MS	19.76	152	98330	10.35	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.54%			
90) SS 2,5-DBT_MS	23.36	250	47094	18.89	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 47.23%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	207863	29.106	ug/L	100
3) chloromethane	3.33	50	280921	34.208	ug/L	100
4) vinyl chloride	3.48	62	171199	42.149	ug/L	99
5) bromomethane	4.14	94	122663	31.009	ug/L	97
6) chloroethane	4.25	64	161023	40.061	ug/L	99
7) trichlorofluoromethane	4.66	101	355899	40.582	ug/L	99
8) diethyl ether	5.15	59	105194	20.792	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	5.41	101	128620	20.600	ug/L	99
10) acrolein	5.39	56	9381	59.997	ug/L #	81
11) acetone	5.51	43	46934	24.954	ug/L	94
12) 1,1-dichloroethene	5.74	96	117195	20.223	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.90	59	38806	97.509	ug/L #	88
14) Iodomethane	6.33	142	199377	30.365	ug/L #	99
15) methylene chloride	6.66	84	127469	19.474	ug/L	96
16) carbon disulfide	6.69	76	367107	18.745	ug/L	99
17) acrylonitrile	6.93	53	50952	21.606	ug/L	98
18) Methyl-t-butyl ether (MTBE	6.96	73	565012	40.988	ug/L	97
19) trans-1,2-dichloroethene	7.25	96	129602	20.167	ug/L	97
20) hexane	7.38	57	184650	19.975	ug/L	96
21) Isopropyl ether (DIPE)	7.90	45	512917	21.096	ug/L	98
22) vinyl acetate	8.14	43	377646	42.143	ug/L	99
23) 1,1-dichloroethane	8.14	63	259787	20.640	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	8.77	59	382191	19.690	ug/L	97
25) 2,2-dichloropropane	9.33	77	141536	16.746	ug/L #	83
26) cis-1,2-dichloroethene	9.43	61	211859	20.890	ug/L	97
27) 2-butanone (MEK)	9.05	43	65469	22.598	ug/L	97
28) bromochloromethane	10.15	128	73560	20.573	ug/L	95
29) Tetrahydrofuran (THF)	10.23	42	35082	20.774	ug/L	97
30) chloroform	9.78	83	248751	21.013	ug/L	99
32) 1,1,1-trichloroethane	10.66	97	189024	19.714	ug/L	98
33) carbon tetrachloride	11.23	117	150421	17.641	ug/L	99
34) 1,1-dichloropropene	11.03	75	195549	20.620	ug/L	97
36) tert-amyl methyl ether (TA	11.29	73	296587	19.562	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 9:58 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 29 10:37:09 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

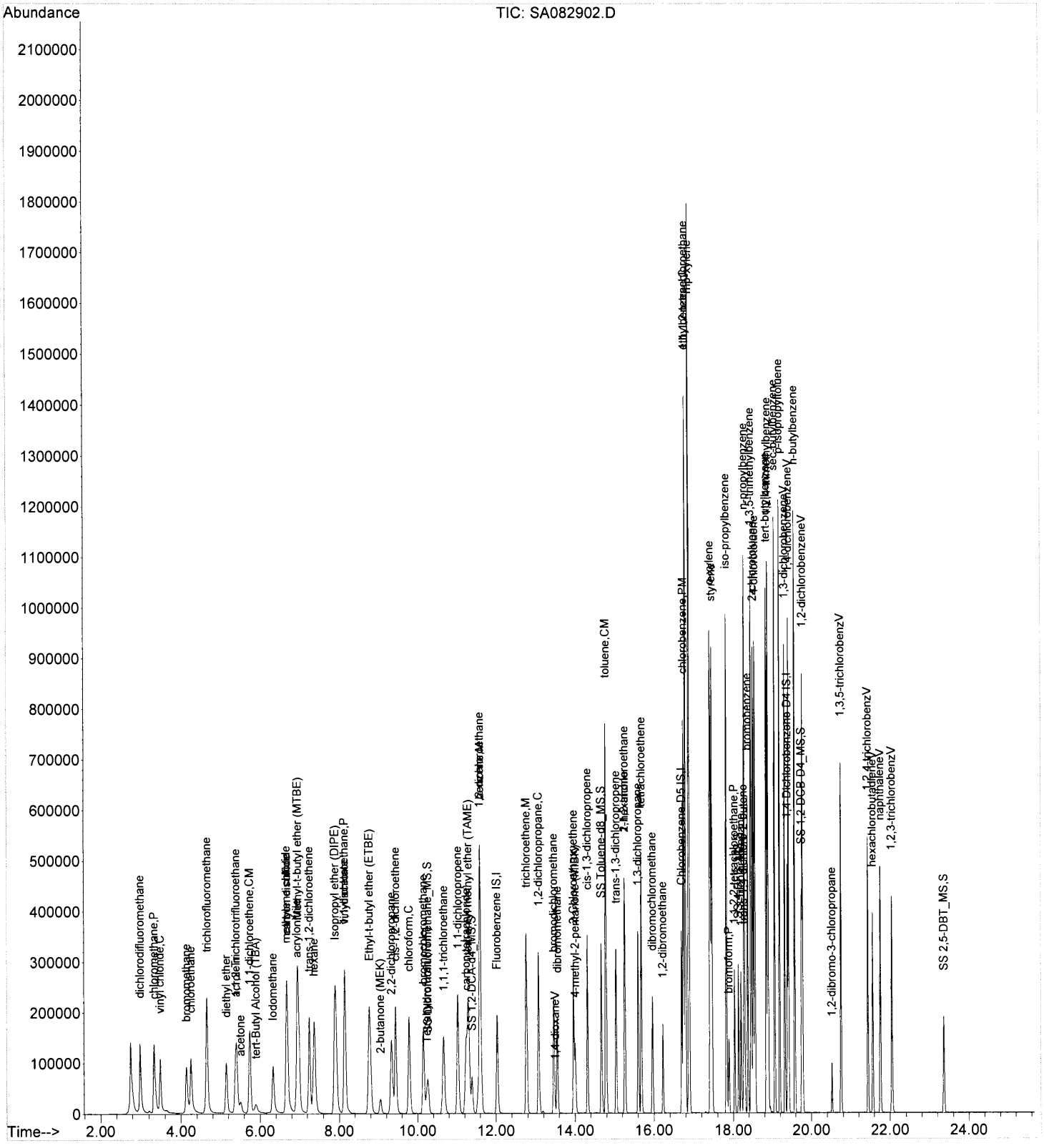
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
37)	benzene	11.60	78	591884	20.607 ug/L		99
38)	1,2-dichloroethane	11.59	62	185206	21.581 ug/L		100
39)	trichloroethene	12.77	95	150211	20.529 ug/L		99
40)	1,2-dichloropropane	13.08	63	153321	20.447 ug/L		98
41)	1,4-dioxaneV	13.51	88	4578	79.283 ug/L		97
42)	dibromomethane	13.55	93	80979	20.771 ug/L		99
43)	bromodichloromethane	13.47	83	173870	22.025 ug/L		99
44)	2-Chloroethoxyethene	13.97	63	124694	36.508 ug/L		96
45)	4-methyl-2-pentanone (MIBK	14.01	58	44808	21.847 ug/L		84
46)	cis-1,3-dichloropropene	14.32	75	196635	20.503 ug/L		96
49)	toluene	14.79	91	632672	21.534 ug/L		99
50)	trans-1,3-dichloropropene	15.05	75	166087	20.808 ug/L		97
51)	1,1,2-trichloroethane	15.26	83	95688	21.748 ug/L		98
52)	2-hexanone	15.26	43	85004	24.558 ug/L		97
53)	tetrachloroethene	15.69	166	158327	21.127 ug/L		98
54)	1,3-dichloropropane	15.60	76	193726	21.659 ug/L		95
55)	dibromochloromethane	15.96	129	122929	20.448 ug/L	#	100
56)	1,2-dibromoethane	16.22	107	117174	21.697 ug/L		100
57)	chlorobenzene	16.75	112	423823	21.564 ug/L		98
58)	1,1,1,2-tetrachloroethane	16.79	131	126009	22.707 ug/L		99
59)	ethylbenzene	16.80	91	725986	22.640 ug/L		100
60)	mp-xylene	16.89	106	574069	45.073 ug/L		98
61)	o-xylene	17.42	106	278224	21.984 ug/L		97
62)	styrene	17.46	104	470058	22.159 ug/L		98
63)	bromoform	17.89	173	64644	20.074 ug/L		99
64)	iso-propylbenzene	17.83	105	675739	22.284 ug/L		99
67)	bromobenzene	18.38	156	172515	21.524 ug/L		97
68)	1,1,2,2-tetrachloroethane	18.04	83	132534	22.183 ug/L		99
69)	1,2,3-trichloropropane	18.21	110	39676	22.311 ug/L		98
70)	trans-1,4-dichloro-2-buten	18.27	75	18839	18.057 ug/L	#	78
71)	n-propylbenzene	18.29	91	842618	22.990 ug/L		99
72)	2-chlorotoluene	18.52	91	509199	22.391 ug/L		99
73)	4-chlorotoluene	18.56	91	497843	22.397 ug/L		100
74)	1,3,5-trimethylbenzene	18.46	105	596363	22.848 ug/L		99
75)	tert-butylbenzene	18.85	119	510919	22.538 ug/L		99
76)	1,2,4-trimethylbenzene	18.89	105	612247	22.945 ug/L		99
77)	sec-butylbenzene	19.06	105	746996	22.950 ug/L		100
78)	1,3-dichlorobenzeneV	19.32	146	328930	22.081 ug/L		98
79)	p-isopropyltoluene	19.19	119	631746	23.153 ug/L		100
80)	1,4-dichlorobenzeneV	19.42	146	326168	22.015 ug/L		96
81)	1,2-dichlorobenzeneV	19.78	146	301007	22.014 ug/L		96
82)	n-butylbenzene	19.58	91	547839	23.341 ug/L		100
84)	1,2-dibromo-3-chloropropan	20.52	157	24103	20.853 ug/L		97
85)	1,3,5-trichlorobenzV	20.75	180	203204	21.747 ug/L		99
86)	1,2,4-trichlorobenzV	21.44	180	169799	21.655 ug/L		99
87)	hexachlorobutadieneV	21.56	225	80626	21.219 ug/L		98
88)	naphthaleneV	21.77	128	420177	23.062 ug/L		100
89)	1,2,3-trichlorobenzV	22.05	180	150839	22.035 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 9:58 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 29 10:37 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG2911\SA082904.D Vial: 4
Acq On : 29 Aug 2011 11:06 am Operator: VG
Sample : BlnkA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:13:06 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	268833	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	203060	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	103959	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	63633	10.00	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.04%			
35) SS 1,2-DCA-d4_MS	11.39	65	72934	10.90	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.03%			
48) SS Toluene-d8_MS	14.67	98	263577	10.44	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.41%			
65) SS 4-BFB_MS	18.14	95	92717	9.67	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.67%			
83) SS 1,2-DCB-D4_MS	19.76	152	96730	10.55	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.47%			
90) SS 2,5-DBT_MS	23.36	250	196	0.08	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.20%#			

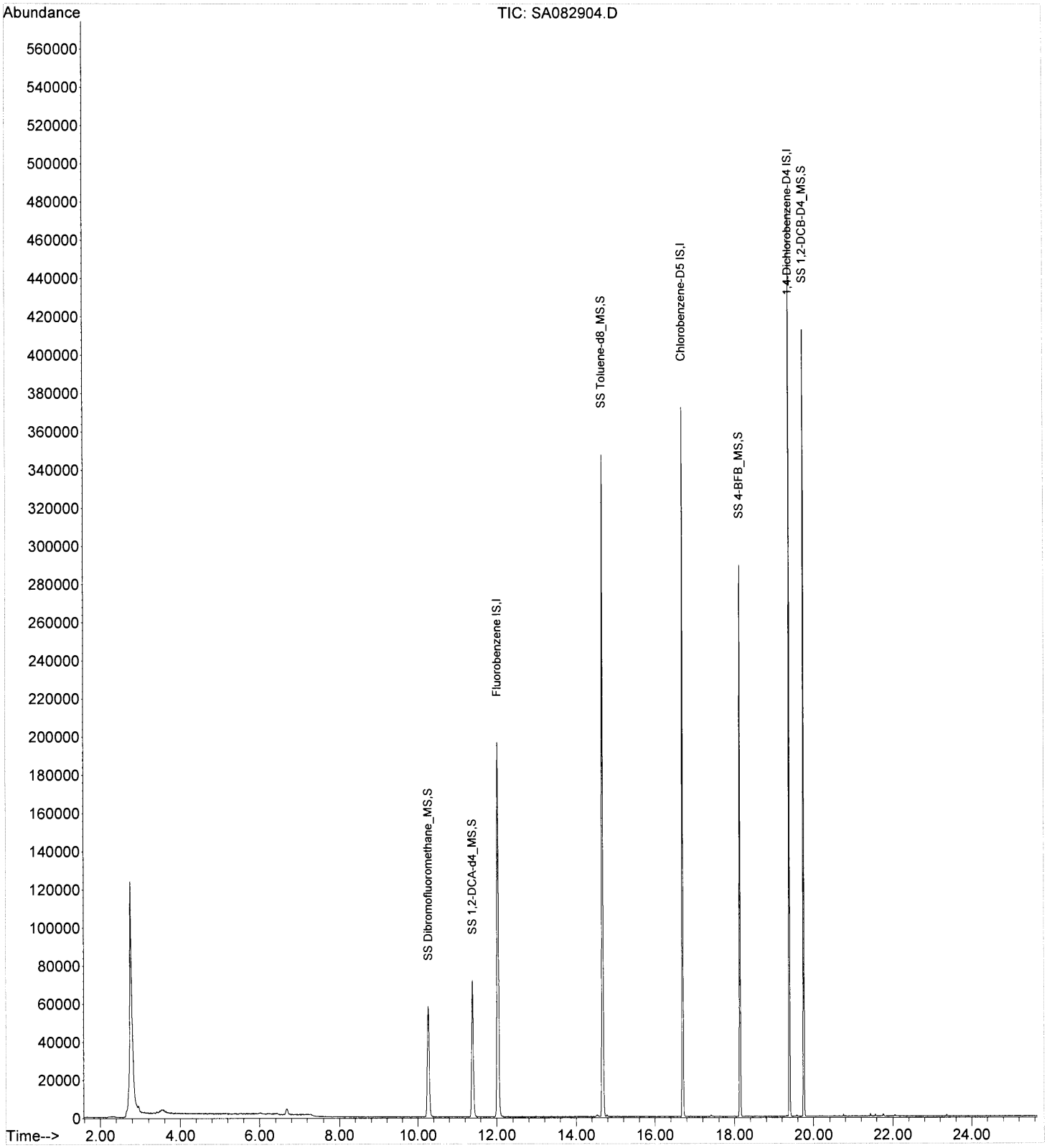
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG2911\SA082904.D Vial: 4
Acq On : 29 Aug 2011 11:06 am Operator: VG
Sample : BlnkA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 12:26 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG2911\SA082918.D Vial: 18
Acq On : 29 Aug 2011 7:04 pm Operator: VG
Sample : LCSaA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:03:23 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	266864	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	203278	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	108952	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	63821	10.11	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.08%			
35) SS 1,2-DCA-d4_MS	11.39	65	73207	11.03	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.25%			
48) SS Toluene-d8_MS	14.67	98	263609	10.43	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.31%			
65) SS 4-BFB_MS	18.14	95	97231	10.13	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.27%			
83) SS 1,2-DCB-D4_MS	19.76	152	98907	10.29	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.90%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	131668	18.177	ug/L	99
3) chloromethane	3.33	50	158762	19.061	ug/L	100
4) vinyl chloride	3.48	62	91316	22.166	ug/L	99
5) bromomethane	4.13	94	56358	14.047	ug/L	98
6) chloroethane	4.25	64	86996	21.339	ug/L	98
7) trichlorofluoromethane	4.65	101	190493	21.416	ug/L	99
8) diethyl ether	5.14	59	97783	19.055	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	5.40	101	113020	17.847	ug/L	99
11) acetone	5.51	43	32049	16.800	ug/L	92
12) 1,1-dichloroethene	5.74	96	105372	17.927	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.89	59	40542	100.438	ug/L #	84
14) Iodomethane	6.33	142	86151	14.614	ug/L #	98
15) methylene chloride	6.66	84	120186	18.103	ug/L	95
16) carbon disulfide	6.69	76	284222	14.309	ug/L	99
17) acrylonitrile	6.92	53	45735	19.121	ug/L	96
18) Methyl-t-butyl ether (MTBE	6.96	73	263342	18.835	ug/L #	94
19) trans-1,2-dichloroethene	7.25	96	121146	18.586	ug/L	98
21) Isopropyl ether (DIPE)	7.90	45	484916	19.664	ug/L	97
22) vinyl acetate	8.14	43	222704	24.503	ug/L	98
23) 1,1-dichloroethane	8.13	63	243821	19.099	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	8.77	59	363217	18.450	ug/L #	97
25) 2,2-dichloropropane	9.33	77	116795	13.625	ug/L #	77
26) cis-1,2-dichloroethene	9.43	61	210782	20.492	ug/L	93
27) 2-butanone (MEK)	9.04	43	56054	19.076	ug/L	96
28) bromochloromethane	10.14	128	68633	18.925	ug/L	95
29) Tetrahydrofuran (THF)	10.22	42	36985	21.593	ug/L	96
30) chloroform	9.78	83	234698	19.547	ug/L	99
32) 1,1,1-trichloroethane	10.66	97	169224	17.401	ug/L	97
33) carbon tetrachloride	11.23	117	127270	14.941	ug/L	99
34) 1,1-dichloropropene	11.02	75	182533	18.977	ug/L	96
36) tert-amyl methyl ether (TA	11.29	73	287047	18.666	ug/L #	46
37) benzene	11.60	78	563284	19.336	ug/L	99
38) 1,2-dichloroethane	11.58	62	175770	20.194	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG2911\SA082918.D Vial: 18
Acq On : 29 Aug 2011 7:04 pm Operator: VG
Sample : LCSaA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:03:23 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

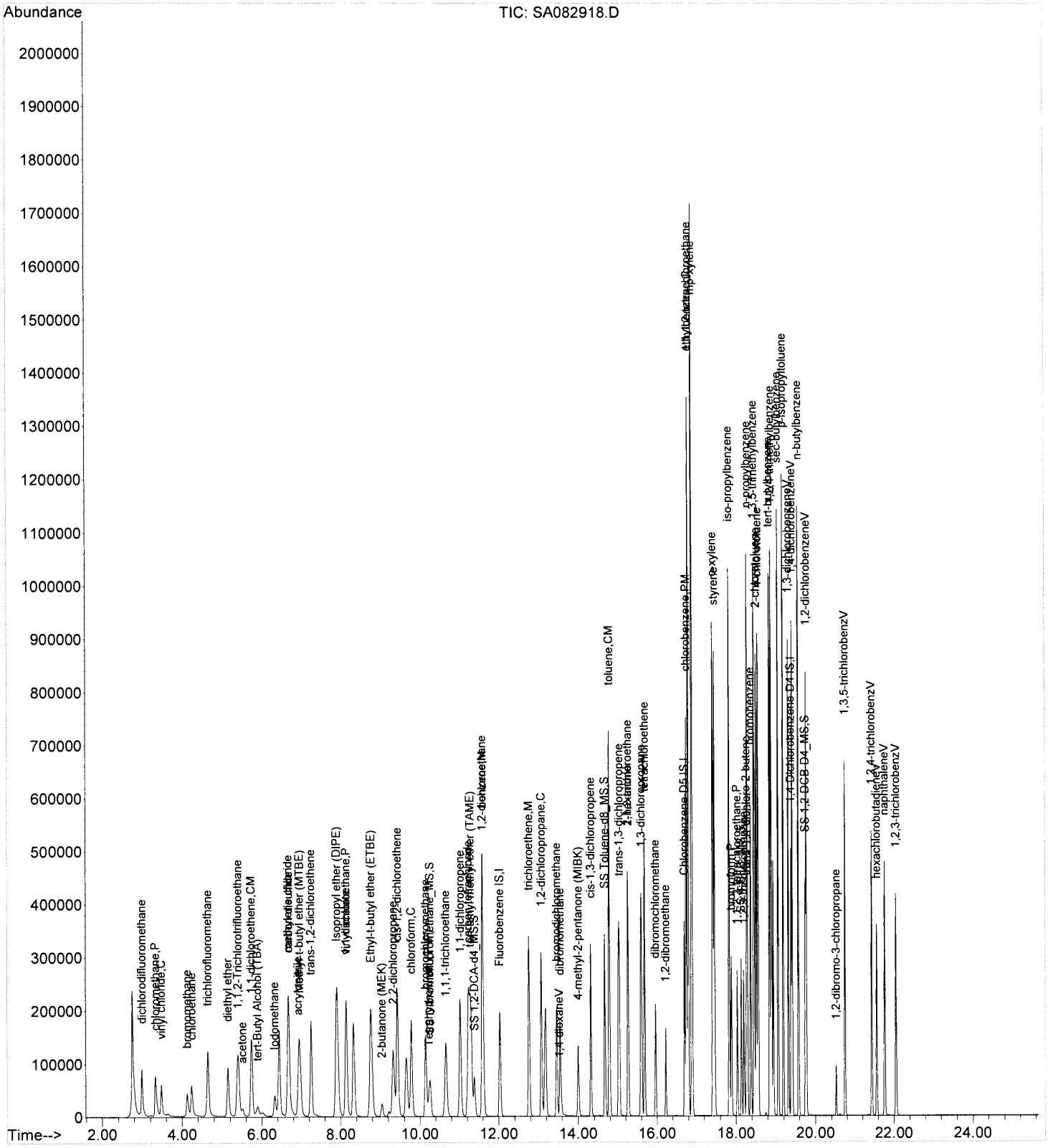
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.77	95	141079	19.010	ug/L		99
40)	1,2-dichloropropane	13.08	63	147069	19.337	ug/L		97
41)	1,4-dioxaneV	13.52	88	1504m	25.680	ug/L		
42)	dibromomethane	13.55	93	77635	19.634	ug/L		98
43)	bromodichloromethane	13.47	83	154813	19.335	ug/L		99
45)	4-methyl-2-pentanone (MIBK	14.01	58	43207	20.770	ug/L	#	75
46)	cis-1,3-dichloropropene	14.32	75	182932	18.806	ug/L		96
49)	toluene	14.79	91	602527	20.222	ug/L		99
50)	trans-1,3-dichloropropene	15.04	75	150019	18.532	ug/L	#	70
51)	1,1,2-trichloroethane	15.26	83	96407	21.605	ug/L		98
52)	2-hexanone	15.26	43	78934	22.485	ug/L		96
53)	tetrachloroethene	15.69	166	162140	21.334	ug/L		97
54)	1,3-dichloropropane	15.60	76	192266	21.195	ug/L	#	78
55)	dibromochloromethane	15.96	129	111181	18.372	ug/L	#	99
56)	1,2-dibromoethane	16.22	107	111110	20.286	ug/L		100
57)	chlorobenzene	16.75	112	403670	20.252	ug/L		98
58)	1,1,1,2-tetrachloroethane	16.79	131	111370	19.789	ug/L		99
59)	ethylbenzene	16.79	91	698545	21.479	ug/L		99
60)	mp-xylene	16.89	106	551569	42.701	ug/L		99
61)	o-xylene	17.42	106	267969	20.877	ug/L		99
62)	styrene	17.46	104	441412	20.517	ug/L		98
63)	bromoform	17.89	173	61376	19.005	ug/L	#	93
64)	iso-propylbenzene	17.83	105	704956	22.923	ug/L		99
67)	bromobenzene	18.38	156	164088	20.227	ug/L		96
68)	1,1,2,2-tetrachloroethane	18.04	83	130353	21.556	ug/L		99
69)	1,2,3-trichloropropane	18.21	110	39962	22.202	ug/L		99
70)	trans-1,4-dichloro-2-buten	18.27	75	35962	31.062	ug/L	#	54
71)	n-propylbenzene	18.29	91	823513	22.199	ug/L		99
72)	2-chlorotoluene	18.52	91	485015	21.072	ug/L		99
73)	4-chlorotoluene	18.56	91	475076	21.116	ug/L		100
74)	1,3,5-trimethylbenzene	18.46	105	574640	21.752	ug/L		99
75)	tert-butylbenzene	18.85	119	496291	21.630	ug/L		99
76)	1,2,4-trimethylbenzene	18.89	105	598745	22.170	ug/L		99
77)	sec-butylbenzene	19.06	105	725147	22.012	ug/L		100
78)	1,3-dichlorobenzeneV	19.32	146	320048	21.227	ug/L		99
79)	p-isopropyltoluene	19.19	119	622359	22.535	ug/L		100
80)	1,4-dichlorobenzeneV	19.42	146	319002	21.273	ug/L		96
81)	1,2-dichlorobenzeneV	19.78	146	293682	21.220	ug/L		96
82)	n-butylbenzene	19.58	91	530032	22.311	ug/L		99
84)	1,2-dibromo-3-chloropropan	20.52	157	22601	19.529	ug/L		97
85)	1,3,5-trichlorobenzV	20.75	180	195429	20.664	ug/L		99
86)	1,2,4-trichlorobenzV	21.44	180	169951	21.414	ug/L		99
87)	hexachlorobutadieneV	21.56	225	74012	19.245	ug/L		98
88)	naphthaleneV	21.77	128	413548	22.426	ug/L		100
89)	1,2,3-trichlorobenzV	22.05	180	145085	20.940	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG2911\SA082918.D Vial: 18
Acq On : 29 Aug 2011 7:04 pm Operator: VG
Sample : LCSaA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 31 8:18 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG2911\SA082919.D Vial: 19
Acq On : 29 Aug 2011 7:38 pm Operator: VG
Sample : LCSDA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:03:43 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	274828	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	209182	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	112694	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	66831	10.28	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.78%			
35) SS 1,2-DCA-d4_MS	11.39	65	74453	10.89	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.88%			
48) SS Toluene-d8_MS	14.67	98	272540	10.48	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.80%			
65) SS 4-BFB_MS	18.14	95	99640	10.08	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.85%			
83) SS 1,2-DCB-D4_MS	19.76	152	100130	10.07	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.71%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	122858	16.470	ug/L	100
3) chloromethane	3.33	50	149405	17.418	ug/L	99
4) vinyl chloride	3.48	62	82873	19.534	ug/L	100
5) bromomethane	4.13	94	52779	12.774	ug/L	97
6) chloroethane	4.25	64	81960	19.522	ug/L	99
7) trichlorofluoromethane	4.65	101	178680	19.506	ug/L	100
8) diethyl ether	5.15	59	94387	17.861	ug/L	99
9) 1,1,2-Trichlorotrifluoroet	5.40	101	105442	16.168	ug/L	100
11) acetone	5.51	43	28621	14.568	ug/L	97
12) 1,1-dichloroethene	5.74	96	99343	16.412	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.89	59	41200	99.111	ug/L #	87
14) Iodomethane	6.33	142	77359	13.117	ug/L #	98
15) methylene chloride	6.66	84	114628	16.766	ug/L	96
16) carbon disulfide	6.69	76	262130	12.814	ug/L	98
17) acrylonitrile	6.92	53	43728	17.752	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.96	73	256590	17.820	ug/L	95
19) trans-1,2-dichloroethene	7.25	96	113641	16.930	ug/L	97
21) Isopropyl ether (DIPE)	7.90	45	472719	18.614	ug/L	97
22) vinyl acetate	8.14	43	224654	24.001	ug/L	99
23) 1,1-dichloroethane	8.13	63	235017	17.876	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	8.77	59	357156	17.616	ug/L #	97
25) 2,2-dichloropropane	9.33	77	115136	13.042	ug/L #	81
26) cis-1,2-dichloroethene	9.43	61	202160	19.084	ug/L	93
27) 2-butanone (MEK)	9.05	43	54321	17.951	ug/L	96
28) bromochloromethane	10.14	128	68140	18.244	ug/L	96
29) Tetrahydrofuran (THF)	10.22	42	35489	20.119	ug/L	98
30) chloroform	9.78	83	226926	18.352	ug/L	99
32) 1,1,1-trichloroethane	10.67	97	165249	16.500	ug/L	98
33) carbon tetrachloride	11.23	117	124845	14.296	ug/L	99
34) 1,1-dichloropropene	11.02	75	174720	17.639	ug/L	97
36) tert-amyl methyl ether (TA	11.29	73	284779	17.982	ug/L #	47
37) benzene	11.60	78	542337	18.077	ug/L	99
38) 1,2-dichloroethane	11.58	62	171792	19.165	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG2911\SA082919.D Vial: 19
Acq On : 29 Aug 2011 7:38 pm Operator: VG
Sample : LCSDA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:03:43 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

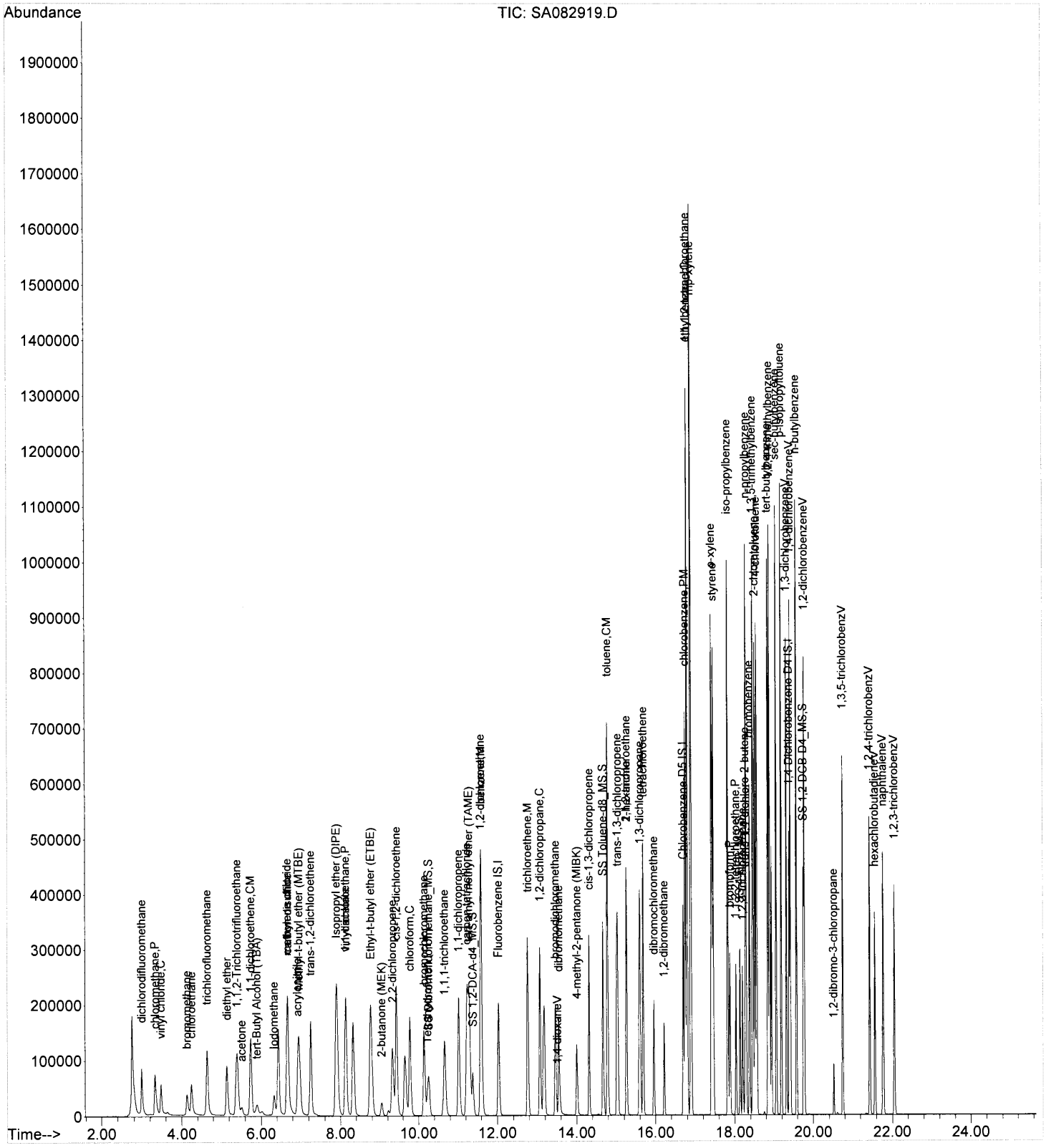
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	trichloroethene	12.76	95	134324	17.575 ug/L	99
40)	1,2-dichloropropane	13.08	63	144321	18.426 ug/L	97
41)	1,4-dioxaneV	13.51	88	1608	26.661 ug/L #	84
42)	dibromomethane	13.55	93	76697	18.834 ug/L	98
43)	bromodichloromethane	13.47	83	151429	18.364 ug/L	99
45)	4-methyl-2-pentanone (MIBK	14.01	58	41566	19.402 ug/L #	74
46)	cis-1,3-dichloropropene	14.32	75	180332	18.002 ug/L	96
49)	toluene	14.79	91	584642	19.068 ug/L	99
50)	trans-1,3-dichloropropene	15.04	75	148848	17.868 ug/L #	70
51)	1,1,2-trichloroethane	15.26	83	93758	20.418 ug/L	98
52)	2-hexanone	15.26	43	75731	20.964 ug/L	96
53)	tetrachloroethene	15.69	166	152370	19.482 ug/L	97
54)	1,3-dichloropropane	15.60	76	186928	20.025 ug/L #	78
55)	dibromochloromethane	15.96	129	110196	17.742 ug/L #	100
56)	1,2-dibromoethane	16.22	107	110366	19.582 ug/L	99
57)	chlorobenzene	16.75	112	394052	19.211 ug/L	99
58)	1,1,1,2-tetrachloroethane	16.79	131	110611	19.099 ug/L	99
59)	ethylbenzene	16.79	91	674607	20.158 ug/L	99
60)	mp-xylene	16.89	106	528827	39.785 ug/L	98
61)	o-xylene	17.42	106	260094	19.692 ug/L	98
62)	styrene	17.46	104	428981	19.377 ug/L	98
63)	bromoform	17.89	173	60556	18.359 ug/L #	92
64)	iso-propylbenzene	17.83	105	676889	21.389 ug/L	99
67)	bromobenzene	18.38	156	161840	19.287 ug/L	96
68)	1,1,2,2-tetrachloroethane	18.03	83	128452	20.537 ug/L	99
69)	1,2,3-trichloropropane	18.21	110	39097	21.000 ug/L	99
70)	trans-1,4-dichloro-2-buten	18.27	75	36097	30.243 ug/L #	55
71)	n-propylbenzene	18.29	91	796309	20.753 ug/L	99
72)	2-chlorotoluene	18.52	91	473527	19.889 ug/L	99
73)	4-chlorotoluene	18.56	91	463061	19.898 ug/L	100
74)	1,3,5-trimethylbenzene	18.46	105	555737	20.338 ug/L	100
75)	tert-butylbenzene	18.84	119	478099	20.145 ug/L	100
76)	1,2,4-trimethylbenzene	18.89	105	579752	20.754 ug/L	99
77)	sec-butylbenzene	19.06	105	697078	20.457 ug/L	100
78)	1,3-dichlorobenzeneV	19.32	146	311036	19.944 ug/L	98
79)	p-isopropyltoluene	19.19	119	596627	20.886 ug/L	100
80)	1,4-dichlorobenzeneV	19.42	146	316360	20.396 ug/L	97
81)	1,2-dichlorobenzeneV	19.78	146	289495	20.223 ug/L	96
82)	n-butylbenzene	19.58	91	514147	20.924 ug/L	99
84)	1,2-dibromo-3-chloropropan	20.52	157	22182	18.676 ug/L	98
85)	1,3,5-trichlorobenzV	20.75	180	194029	19.835 ug/L	99
86)	1,2,4-trichlorobenzV	21.44	180	168770	20.559 ug/L	99
87)	hexachlorobutadieneV	21.56	225	72520	18.231 ug/L	97
88)	naphthaleneV	21.77	128	406875	21.331 ug/L	99
89)	1,2,3-trichlorobenzV	22.05	180	144212	20.123 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG2911\SA082919.D Vial: 19
Acq On : 29 Aug 2011 7:38 pm Operator: VG
Sample : LCSDA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:03 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082905.D Vial: 5
Acq On : 29 Aug 2011 11:40 am Operator: VG
Sample : 102455.05 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:07 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	263704	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	198487	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	101890	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS Dibromofluoromethane_MS	10.27	111	62931	10.09 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.86%		
35) SS 1,2-DCA-d4_MS	11.39	65	71572	10.91 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.08%		
48) SS Toluene-d8_MS	14.67	98	258325	10.47 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.68%		
65) SS 4-BFB_MS	18.13	95	92172	9.83 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.31%		
83) SS 1,2-DCB-D4_MS	19.76	152	94475	10.51 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.10%		
90) SS 2,5-DBT_MS	0.00	250	0	0.00 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#		
Target Compounds					Qvalue
6) chloroethane	4.26	64	34401	8.539 ug/L	97
8) diethyl ether	5.15	59	65183	12.855 ug/L	97
11) acetone	5.51	43	1698	0.901 ug/L #	65
13) tert-Butyl Alcohol (TBA)	5.89	59	3952	9.908 ug/L #	75
18) Methyl-t-butyl ether (MTBE	6.96	73	4223	0.306 ug/L #	81
29) Tetrahydrofuran (THF)	10.23	42	7732	4.568 ug/L	93
37) benzene	11.60	78	43487	1.511 ug/L	98
41) 1,4-dioxaneV	13.51	88	895	15.465 ug/L	90
57) chlorobenzene	16.75	112	133800	6.875 ug/L	98
64) iso-propylbenzene	17.83	105	19917	0.663 ug/L	99
70) trans-1,4-dichloro-2-buten	18.13	75	41861	37.837 ug/L #	1
78) 1,3-dichlorobenzeneV	19.42	146	15668	1.111 ug/L	98
80) 1,4-dichlorobenzeneV	19.42	146	15668	1.117 ug/L	96
81) 1,2-dichlorobenzeneV	19.78	146	6496	0.502 ug/L #	1

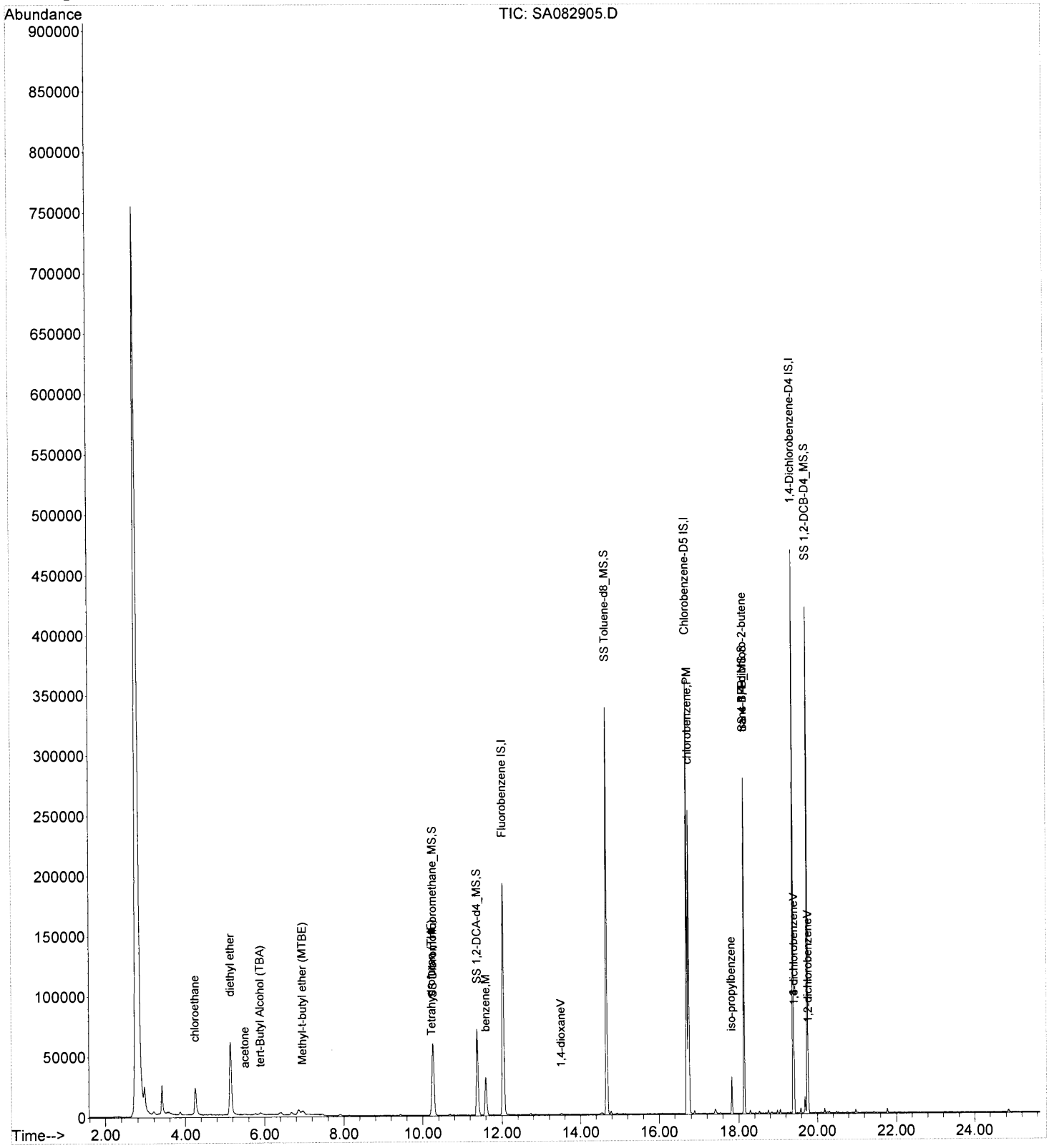
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082905.D Vial: 5
Acq On : 29 Aug 2011 11:40 am Operator: VG
Sample : 102455.05 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:04 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082907.D Vial: 7
Acq On : 29 Aug 2011 12:48 pm Operator: VG
Sample : 102455.05MS Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:15 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

8/30/11

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	265412	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	201179	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	108223	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	64693	10.30	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.02%			
35) SS 1,2-DCA-d4_MS	11.39	65	71524	10.83	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.31%			
48) SS Toluene-d8_MS	14.67	98	264680	10.58	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.82%			
65) SS 4-BFB_MS	18.14	95	95535	10.05	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.54%			
83) SS 1,2-DCB-D4_MS	19.75	152	98486	10.32	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.15%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	136848	18.996	ug/L	100
3) chloromethane	3.33	50	162305	19.593	ug/L	100
4) vinyl chloride	3.48	62	95342	23.270	ug/L	99
5) bromomethane	4.13	94	55933	14.017	ug/L	99
6) chloroethane	4.25	64	121680	30.010	ug/L	98
7) trichlorofluoromethane	4.65	101	195653	22.116	ug/L	99
8) diethyl ether	5.14	59	161490	31.642	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	5.40	101	116080	18.431	ug/L	99
11) acetone	5.51	43	28410	14.974	ug/L	98
12) 1,1-dichloroethene	5.74	96	107941	18.465	ug/L	97
13) tert-Butyl Alcohol (TBA)	5.89	59	38955	97.035	ug/L #	84
14) Iodomethane	6.33	142	95276	15.923	ug/L #	98
15) methylene chloride	6.67	84	119426	18.087	ug/L	95
16) carbon disulfide	6.69	76	297858	15.077	ug/L	99
17) acrylonitrile	6.93	53	42224	17.750	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.96	73	258294	18.575	ug/L	95
19) trans-1,2-dichloroethene	7.26	96	123334	19.026	ug/L	97
21) Isopropyl ether (DIPE)	7.91	45	481815	19.645	ug/L	98
22) vinyl acetate	8.14	43	226927	25.104	ug/L	98
23) 1,1-dichloroethane	8.13	63	248602	19.581	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	8.78	59	355813	18.172	ug/L #	97
25) 2,2-dichloropropane	9.33	77	129174	15.151	ug/L #	80
26) cis-1,2-dichloroethene	9.43	61	212500	20.772	ug/L	93
27) 2-butanone (MEK)	9.04	43	51309	17.557	ug/L	97
28) bromochloromethane	10.15	128	68478	18.985	ug/L	96
29) Tetrahydrofuran (THF)	10.22	42	41288	24.237	ug/L	96
30) chloroform	9.78	83	235308	19.705	ug/L	99
32) 1,1,1-trichloroethane	10.67	97	177034	18.304	ug/L	98
33) carbon tetrachloride	11.23	117	134714	15.814	ug/L	99
34) 1,1-dichloropropene	11.02	75	188956	19.752	ug/L	97
36) tert-amyl methyl ether (TA	11.29	73	282199	18.452	ug/L #	47
37) benzene	11.60	78	613042	21.159	ug/L	99
38) 1,2-dichloroethane	11.58	62	173959	20.095	ug/L	99

(#) = qualifier out of range (m) = manual integration
SA082907.D 5VID0811.M Tue Aug 30 09:04:16 2011

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082907.D Vial: 7
Acq On : 29 Aug 2011 12:48 pm Operator: VG
Sample : 102455.05MS Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:15 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

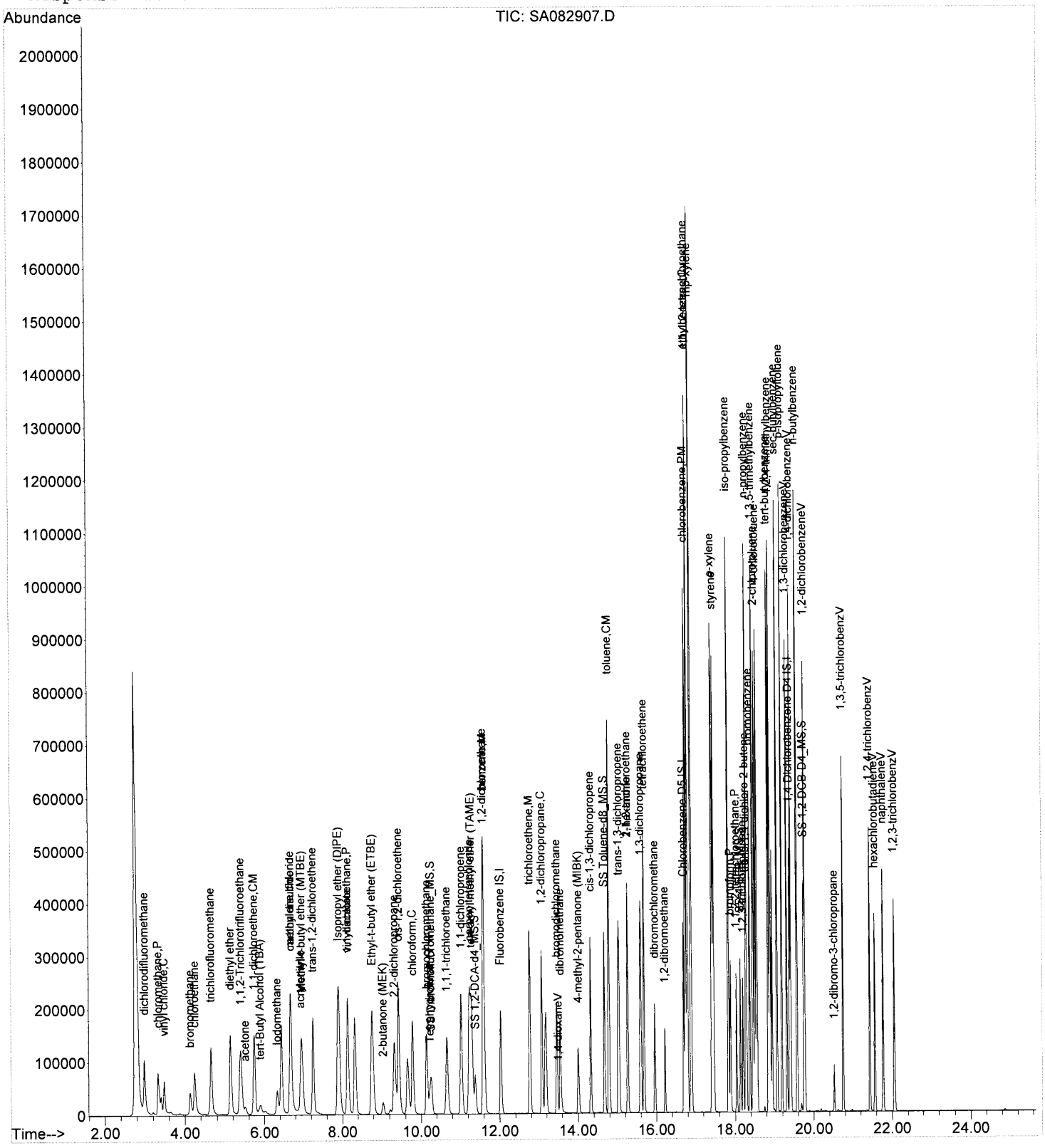
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.77	95	143739	19.474	ug/L		98
40)	1,2-dichloropropane	13.08	63	146781	19.405	ug/L		97
41)	1,4-dioxaneV	13.51	88	2553	43.830	ug/L	#	95
42)	dibromomethane	13.55	93	76361	19.417	ug/L		98
43)	bromodichloromethane	13.47	83	155636	19.544	ug/L		99
45)	4-methyl-2-pentanone (MIBK	14.01	58	39842	19.258	ug/L	#	74
46)	cis-1,3-dichloropropene	14.32	75	186946	19.324	ug/L		96
49)	toluene	14.79	91	615005	20.856	ug/L		99
50)	trans-1,3-dichloropropene	15.04	75	150312	18.762	ug/L	#	71
51)	1,1,2-trichloroethane	15.26	83	92397	20.922	ug/L		99
52)	2-hexanone	15.26	43	72699	20.925	ug/L		96
53)	tetrachloroethene	15.69	166	161768	21.507	ug/L		97
54)	1,3-dichloropropane	15.60	76	185965	20.714	ug/L	#	79
55)	dibromochloromethane	15.96	129	109362	18.268	ug/L	#	99
56)	1,2-dibromoethane	16.22	107	106615	19.669	ug/L		100
57)	chlorobenzene	16.75	112	536823	27.213	ug/L		98
58)	1,1,1,2-tetrachloroethane	16.79	131	113114	20.308	ug/L		100
59)	ethylbenzene	16.79	91	702725	21.833	ug/L		99
60)	mp-xylene	16.89	106	555030	43.417	ug/L		98
61)	o-xylene	17.42	106	268203	21.114	ug/L		99
62)	styrene	17.46	104	439789	20.655	ug/L		98
63)	bromoform	17.89	173	59299	18.632	ug/L	#	93
64)	iso-propylbenzene	17.83	105	736990	24.214	ug/L		99
67)	bromobenzene	18.38	156	163279	20.262	ug/L		96
68)	1,1,2,2-tetrachloroethane	18.04	83	123279	20.524	ug/L		99
69)	1,2,3-trichloropropane	18.21	110	37204	20.809	ug/L		99
70)	trans-1,4-dichloro-2-buten	18.27	75	35992	31.272	ug/L	#	57
71)	n-propylbenzene	18.29	91	834462	22.645	ug/L		99
72)	2-chlorotoluene	18.52	91	488240	21.355	ug/L		99
73)	4-chlorotoluene	18.56	91	477173	21.352	ug/L		100
74)	1,3,5-trimethylbenzene	18.46	105	580059	22.105	ug/L		99
75)	tert-butylbenzene	18.85	119	503404	22.088	ug/L		99
76)	1,2,4-trimethylbenzene	18.89	105	597328	22.266	ug/L		100
77)	sec-butylbenzene	19.06	105	738397	22.565	ug/L		100
78)	1,3-dichlorobenzeneV	19.32	146	318919	21.294	ug/L		99
79)	p-isopropyltoluene	19.19	119	621926	22.671	ug/L		100
80)	1,4-dichlorobenzeneV	19.42	146	334355	22.447	ug/L		96
81)	1,2-dichlorobenzeneV	19.78	146	299367	21.777	ug/L		97
82)	n-butylbenzene	19.58	91	543768	23.043	ug/L		99
84)	1,2-dibromo-3-chloropropan	20.52	157	21069	18.503	ug/L		97
85)	1,3,5-trichlorobenzV	20.75	180	196922	20.962	ug/L		99
86)	1,2,4-trichlorobenzV	21.44	180	170320	21.605	ug/L		99
87)	hexachlorobutadieneV	21.56	225	75381	19.733	ug/L		98
88)	naphthaleneV	21.77	128	392623	21.434	ug/L		100
89)	1,2,3-trichlorobenzV	22.06	180	142413	20.692	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082907.D Vial: 7
Acq On : 29 Aug 2011 12:48 pm Operator: VG
Sample : 102455.05MS Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:04 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082908.D Vial: 8
Acq On : 29 Aug 2011 1:22 pm Operator: VG
Sample : 102455.05MSD Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:20 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	273655	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	205944	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	110721	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.26	111	66139	10.21	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.15%			
35) SS 1,2-DCA-d4_MS	11.39	65	73553	10.80	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.02%			
48) SS Toluene-d8_MS	14.67	98	268701	10.49	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.94%			
65) SS 4-BFB_MS	18.14	95	98314	10.11	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.07%			
83) SS 1,2-DCB-D4_MS	19.76	152	100803	10.32	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.20%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	147400	19.844	ug/L	100
3) chloromethane	3.33	50	174855	20.472	ug/L	100
4) vinyl chloride	3.48	62	103846	24.582	ug/L	99
5) bromomethane	4.14	94	67693	16.453	ug/L	97
6) chloroethane	4.25	64	132293	31.645	ug/L	98
7) trichlorofluoromethane	4.65	101	215007	23.572	ug/L	99
8) diethyl ether	5.15	59	172940	32.865	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	5.40	101	126594	19.495	ug/L	100
11) acetone	5.51	43	32920	16.828	ug/L	96
12) 1,1-dichloroethene	5.74	96	117957	19.571	ug/L	97
13) tert-Butyl Alcohol (TBA)	5.89	59	46774	113.002	ug/L #	90
14) Iodomethane	6.33	142	115256	18.176	ug/L #	99
15) methylene chloride	6.67	84	131181	19.269	ug/L	97
16) carbon disulfide	6.70	76	322795	15.847	ug/L	100
17) acrylonitrile	6.93	53	46794	19.078	ug/L	96
18) Methyl-t-butyl ether (MTBE	6.96	73	288831	20.146	ug/L	96
19) trans-1,2-dichloroethene	7.25	96	134361	20.102	ug/L	97
21) Isopropyl ether (DIPE)	7.90	45	527198	20.848	ug/L	98
22) vinyl acetate	8.14	43	254281	27.283	ug/L	99
23) 1,1-dichloroethane	8.14	63	269869	20.615	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	8.77	59	395741	19.603	ug/L	97
25) 2,2-dichloropropane	9.33	77	147705	16.803	ug/L #	84
26) cis-1,2-dichloroethene	9.43	61	232295	22.023	ug/L	92
27) 2-butanone (MEK)	9.05	43	58132	19.293	ug/L	97
28) bromochloromethane	10.15	128	74543	20.044	ug/L	95
29) Tetrahydrofuran (THF)	10.22	42	44699	25.449	ug/L	97
30) chloroform	9.78	83	256435	20.828	ug/L	99
32) 1,1,1-trichloroethane	10.67	97	196644	19.719	ug/L	98
33) carbon tetrachloride	11.23	117	154100	17.397	ug/L	98
34) 1,1-dichloropropene	11.03	75	204528	20.736	ug/L	97
36) tert-amyl methyl ether (TA	11.29	73	313913	19.907	ug/L #	47
37) benzene	11.60	78	659471	22.076	ug/L	99
38) 1,2-dichloroethane	11.59	62	188059	21.069	ug/L	99

8/30/11

(#) = qualifier out of range (m) = manual integration
SA082908.D 5VID0811.M Tue Aug 30 09:04:21 2011

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082908.D Vial: 8
Acq On : 29 Aug 2011 1:22 pm Operator: VG
Sample : 102455.05MSD Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:20 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

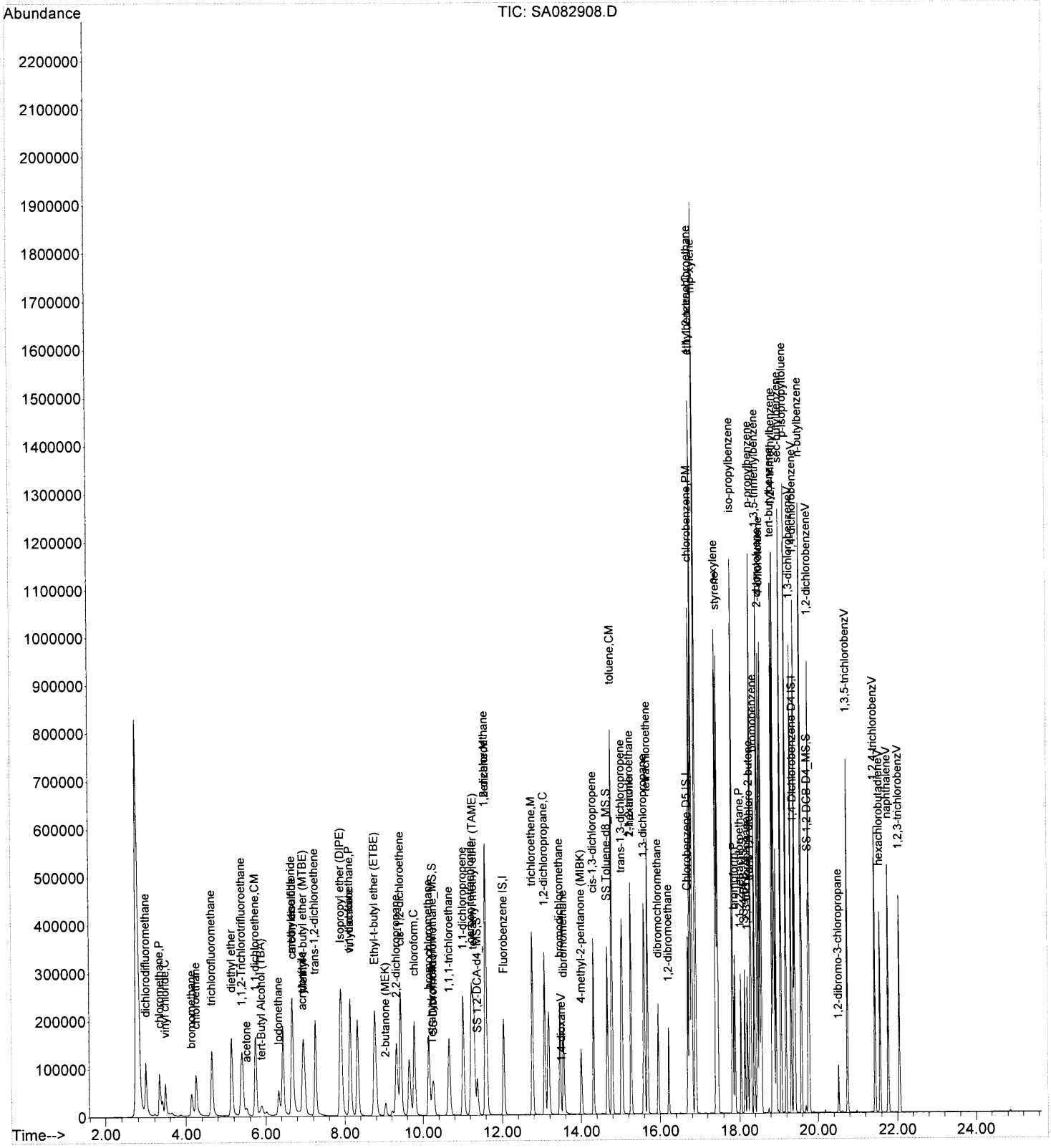
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) trichloroethene	12.77	95	156306	20.539 ug/L	98
40) 1,2-dichloropropane	13.08	63	160564	20.588 ug/L	98
41) 1,4-dioxaneV	13.51	88	2740	45.624 ug/L #	90
42) dibromomethane	13.55	93	82897	20.444 ug/L	98
43) bromodichloromethane	13.47	83	171195	20.850 ug/L	99
45) 4-methyl-2-pentanone (MIBK	14.01	58	44410	20.819 ug/L #	73
46) cis-1,3-dichloropropene	14.32	75	205897	20.642 ug/L	96
49) toluene	14.79	91	668018	22.129 ug/L	99
50) trans-1,3-dichloropropene	15.05	75	168754	20.576 ug/L #	72
51) 1,1,2-trichloroethane	15.26	83	101800	22.518 ug/L	98
52) 2-hexanone	15.26	43	81595	22.942 ug/L	98
53) tetrachloroethene	15.69	166	176035	22.862 ug/L	98
54) 1,3-dichloropropane	15.60	76	202942	22.082 ug/L #	78
55) dibromochloromethane	15.96	129	122923	19.934 ug/L #	100
56) 1,2-dibromoethane	16.22	107	119496	21.535 ug/L	100
57) chlorobenzene	16.75	112	570924	28.272 ug/L	98
58) 1,1,1,2-tetrachloroethane	16.79	131	125628	22.033 ug/L	99
59) ethylbenzene	16.79	91	768011	23.310 ug/L	99
60) mp-xylene	16.89	106	605736	46.287 ug/L	99
61) o-xylene	17.42	106	293984	22.608 ug/L	99
62) styrene	17.46	104	482859	22.153 ug/L	98
63) bromoform	17.89	173	67257	20.285 ug/L #	92
64) iso-propylbenzene	17.83	105	794114	25.487 ug/L	99
67) bromobenzene	18.38	156	178698	21.676 ug/L	97
68) 1,1,2,2-tetrachloroethane	18.04	83	138085	22.470 ug/L	99
69) 1,2,3-trichloropropane	18.21	110	41136	22.489 ug/L	99
70) trans-1,4-dichloro-2-buten	18.27	75	40934	34.386 ug/L #	57
71) n-propylbenzene	18.29	91	905372	24.015 ug/L	99
72) 2-chlorotoluene	18.52	91	530453	22.677 ug/L	99
73) 4-chlorotoluene	18.56	91	519003	22.700 ug/L	100
74) 1,3,5-trimethylbenzene	18.46	105	628358	23.405 ug/L	99
75) tert-butylbenzene	18.85	119	548346	23.517 ug/L	99
76) 1,2,4-trimethylbenzene	18.89	105	650472	23.700 ug/L	100
77) sec-butylbenzene	19.06	105	807153	24.109 ug/L	100
78) 1,3-dichlorobenzeneV	19.32	146	347753	22.696 ug/L	98
79) p-isopropyltoluene	19.19	119	682419	24.315 ug/L	100
80) 1,4-dichlorobenzeneV	19.42	146	365796	24.004 ug/L	97
81) 1,2-dichlorobenzeneV	19.78	146	325170	23.120 ug/L	97
82) n-butylbenzene	19.58	91	590905	24.476 ug/L	99
84) 1,2-dibromo-3-chloropropan	20.52	157	24179	20.408 ug/L	97
85) 1,3,5-trichlorobenzV	20.75	180	215776	22.451 ug/L	99
86) 1,2,4-trichlorobenzV	21.44	180	190325	23.598 ug/L	99
87) hexachlorobutadieneV	21.56	225	83780	21.436 ug/L	97
88) naphthaleneV	21.77	128	445139	23.753 ug/L	100
89) 1,2,3-trichlorobenzV	22.06	180	159254	22.617 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082908.D Vial: 8
Acq On : 29 Aug 2011 1:22 pm Operator: VG
Sample : 102455.05MSD Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:04 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



1,4 Dioxane Analysis
Raw Sample and QC Data
102455

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082402.D Vial: 2
Acq On : 24 Aug 2011 10:08 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:57:48 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

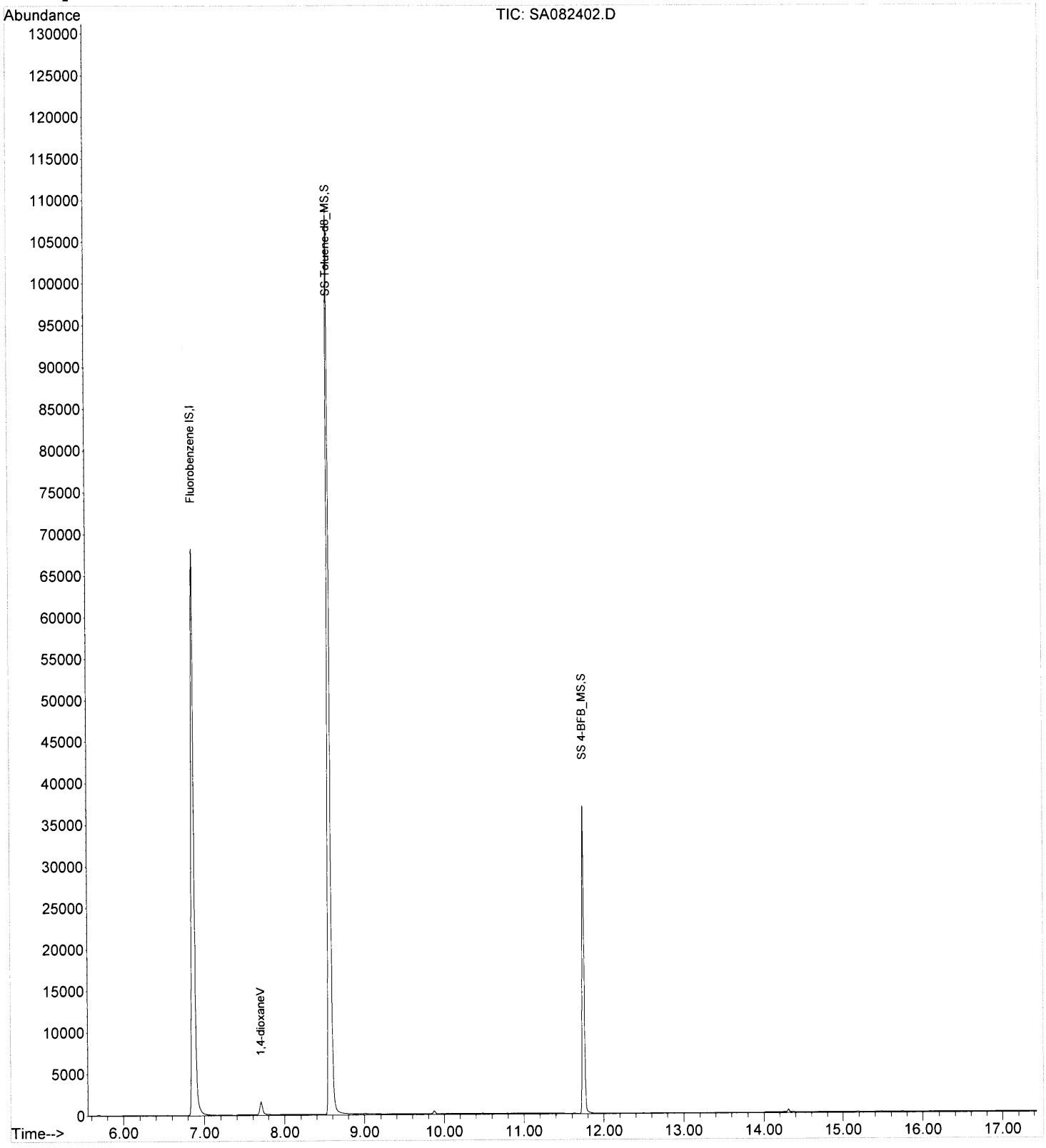
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	157272	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	132246	9.12	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.22%			
4) SS 4-BFB_MS	11.74	95	61676	10.13	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.34%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	2415m	4.000	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082402.D Vial: 2
Acq On : 24 Aug 2011 10:08 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082403.D Vial: 3
Acq On : 24 Aug 2011 10:56 am Operator: VG
Sample : LCSaA082411V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 11:51:58 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

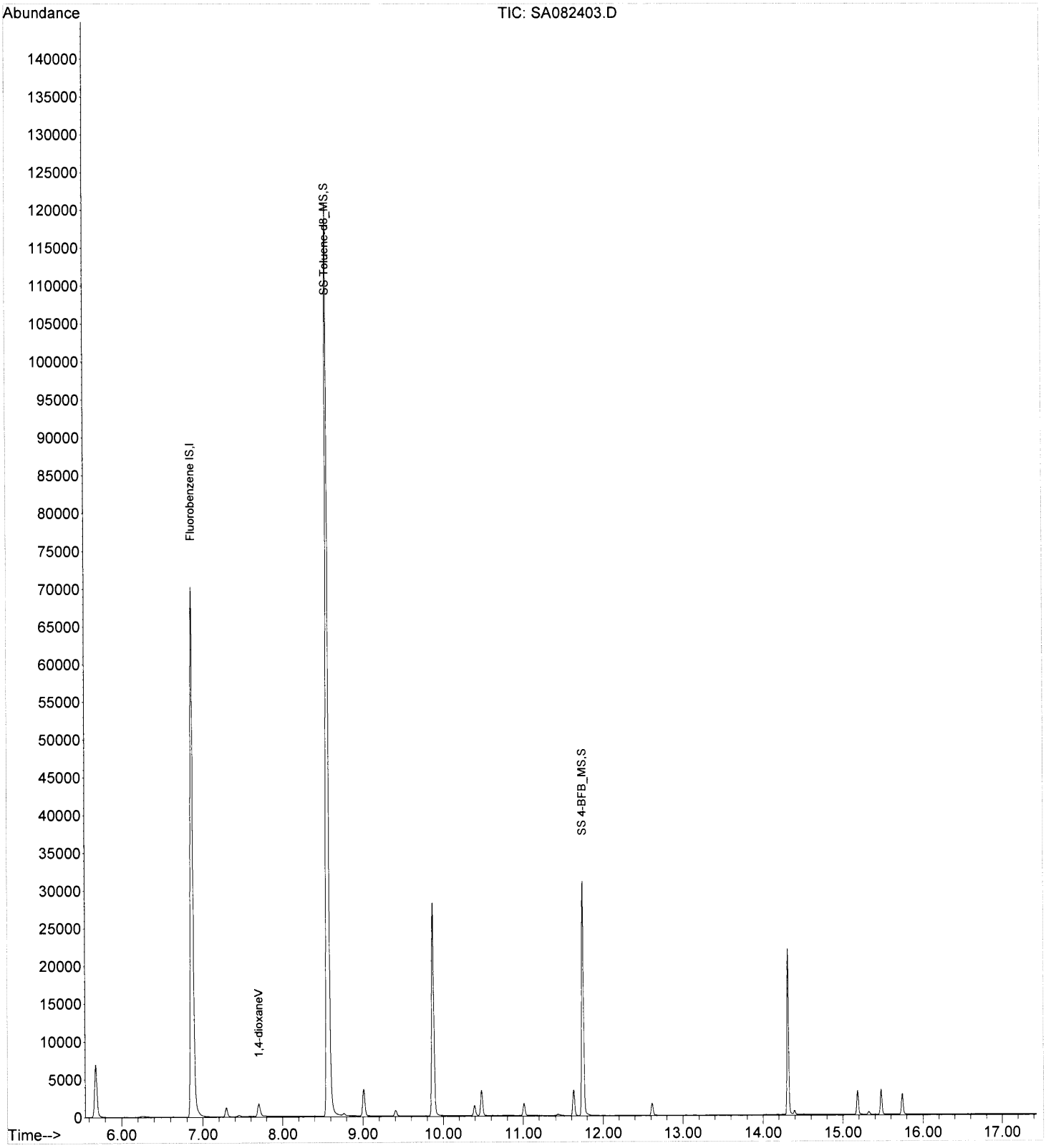
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	156814	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	143465	9.92	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.24%			
4) SS 4-BFB_MS	11.75	95	52518	8.65	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.54%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	2486m	4.129	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082403.D Vial: 3
Acq On : 24 Aug 2011 10:56 am Operator: VG
Sample : LCSaA082411V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 14:37 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082404.D Vial: 4
Acq On : 24 Aug 2011 11:44 am Operator: VG
Sample : LCSDA082411V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 12:07:47 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

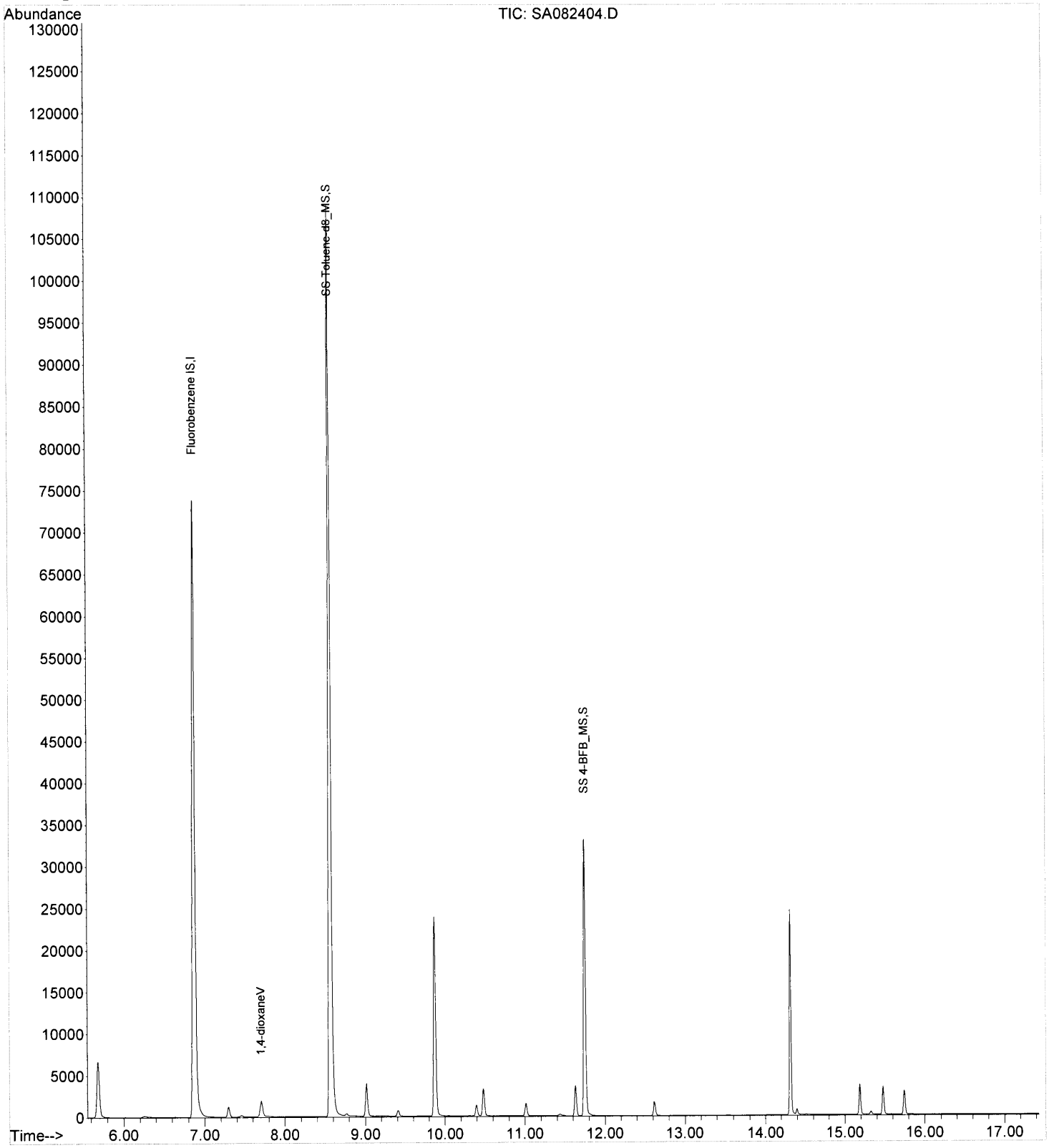
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	166523	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	131132	8.54	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.42%			
4) SS 4-BFB_MS	11.75	95	55163	8.56	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.60%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	2776m	4.342	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082404.D Vial: 4
Acq On : 24 Aug 2011 11:44 am Operator: VG
Sample : LCSDA082411V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 14:37 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082405.D Vial: 5
Acq On : 24 Aug 2011 12:31 pm Operator: VG
Sample : BlnkA082411V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 13:14:24 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

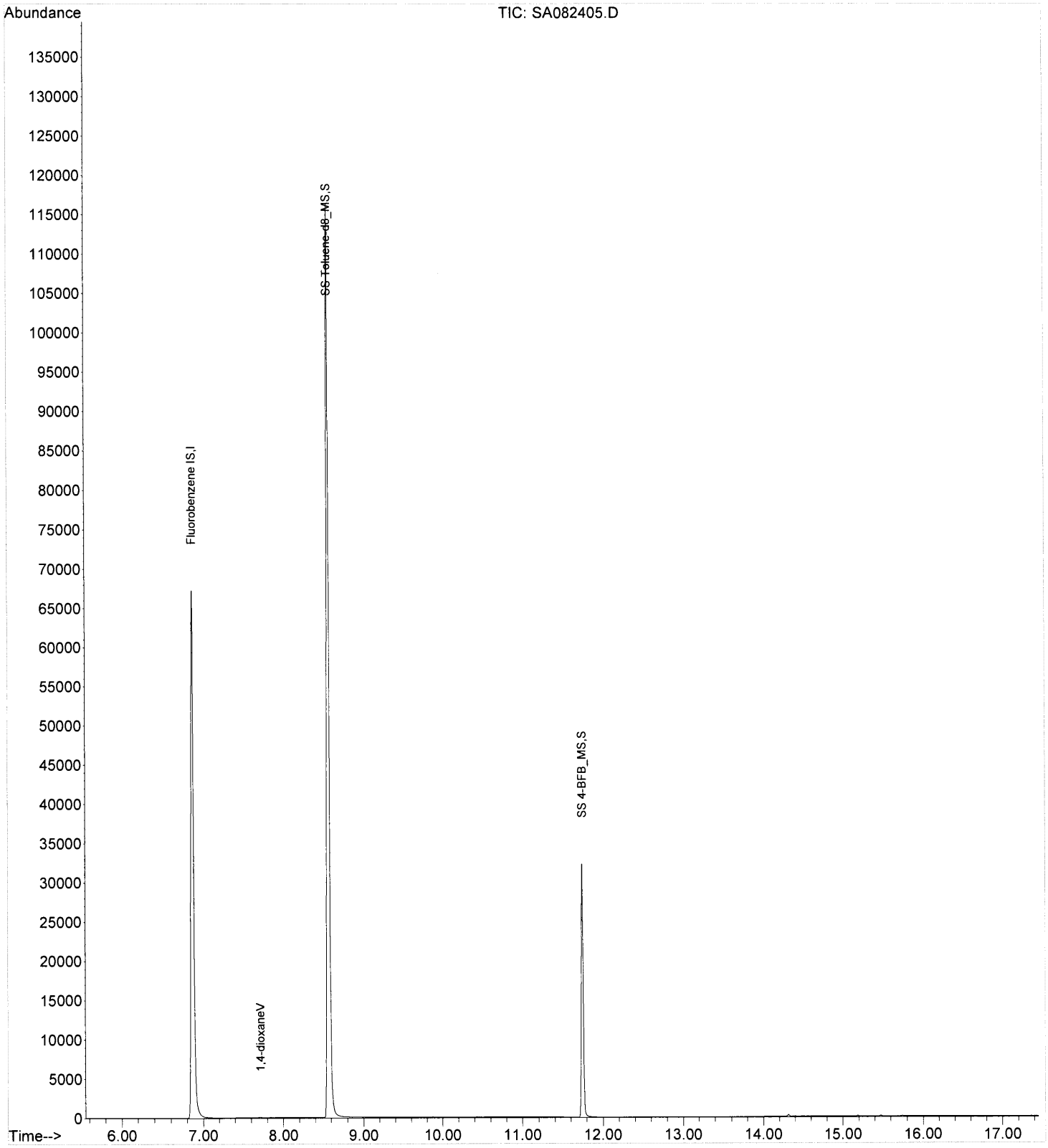
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	151530	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	140501	10.06	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.58%			
4) SS 4-BFB_MS	11.75	95	53703	9.16	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.58%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	53	0.091	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082405.D Vial: 5
Acq On : 24 Aug 2011 12:31 pm Operator: VG
Sample : BlnkA082411V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 13:14 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082412.D Vial: 12
Acq On : 24 Aug 2011 6:05 pm Operator: VG
Sample : 102455.01 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:24:09 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	152072	10.000 ug/L	0.00
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.58	98	138511	9.88 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.80%		
4) SS 4-BFB_MS	11.75	95	53033	9.01 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.12%		
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.70	88	8219	14.077 ug/L	87

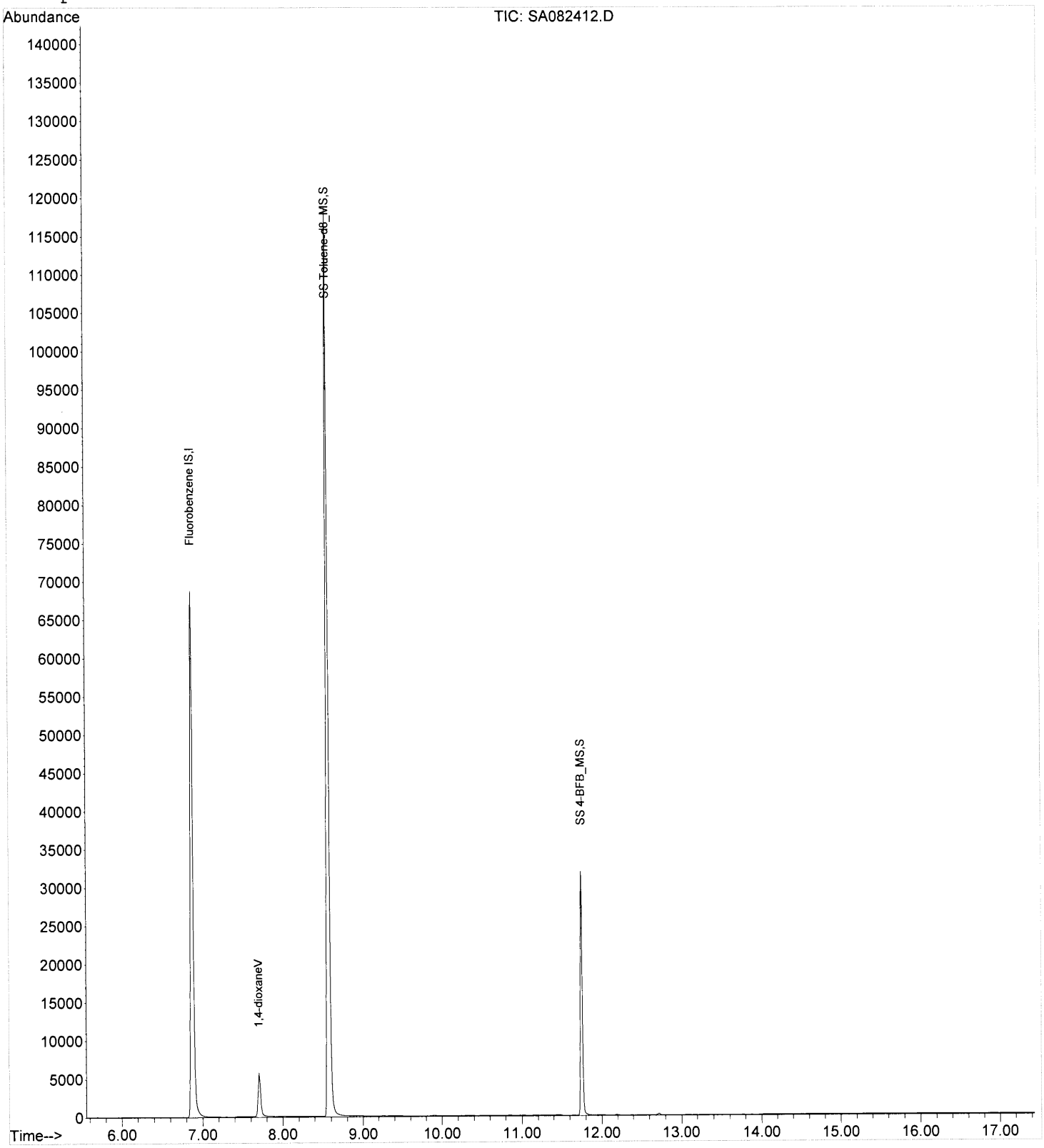
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082412.D Vial: 12
Acq On : 24 Aug 2011 6:05 pm Operator: VG
Sample : 102455.01 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:24 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082415.D Vial: 15
Acq On : 24 Aug 2011 8:28 pm Operator: VG
Sample : 102455.02 Inst : VOAMS2
Misc : X10;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:24:18 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	145964	10.000 ug/L	0.00
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.57	98	138013	10.26 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.57%		
4) SS 4-BFB_MS	11.75	95	55429	9.81 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.13%		
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.70	88	4322	7.712 ug/L	87

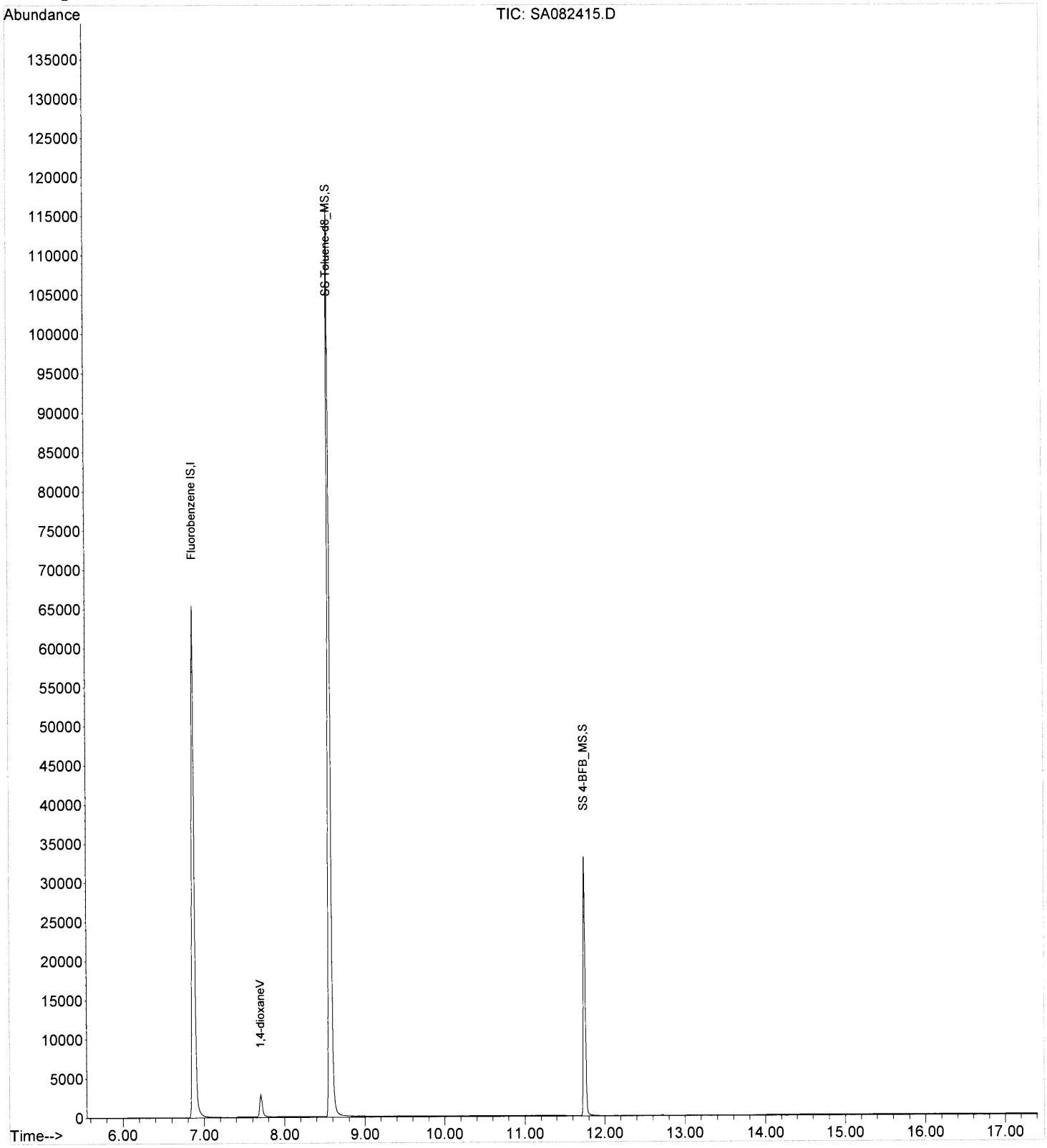
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082415.D Vial: 15
Acq On : 24 Aug 2011 8:28 pm Operator: VG
Sample : 102455.02 Inst : VOAMS2
Misc : X10;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:24 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082413.D Vial: 13
Acq On : 24 Aug 2011 6:53 pm Operator: VG
Sample : 102455.03 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:24:12 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	151542	10.000 ug/L	0.00
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.57	98	132156	9.46 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.60%		
4) SS 4-BFB_MS	11.75	95	54294	9.26 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.58%		
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.70	88	781	1.342 ug/L	81

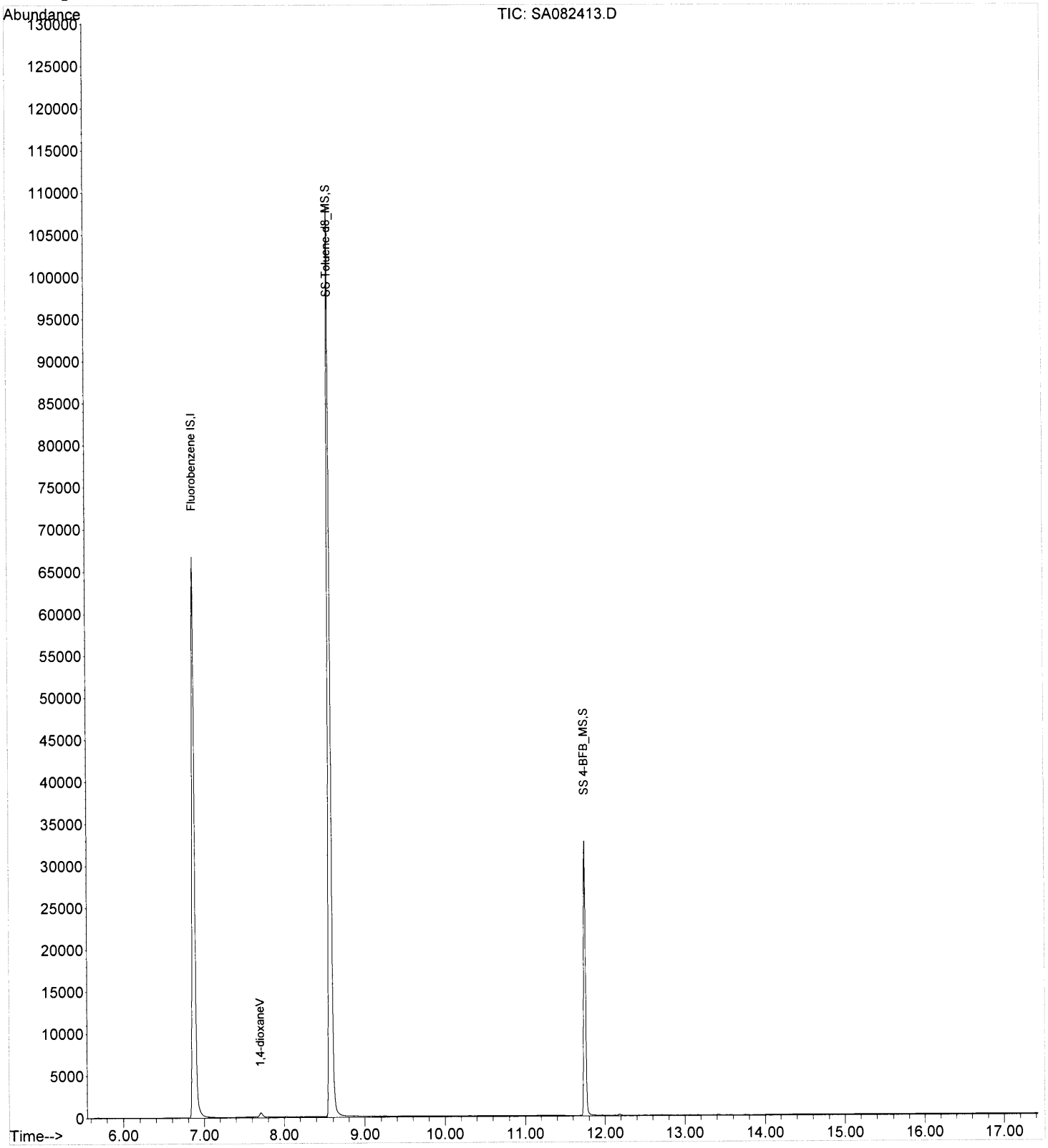
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082413.D Vial: 13
Acq On : 24 Aug 2011 6:53 pm Operator: VG
Sample : 102455.03 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:24 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082414.D Vial: 14
Acq On : 24 Aug 2011 7:40 pm Operator: VG
Sample : 102455.04 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:24:15 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	152273	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	121287	8.64	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.40%			
4) SS 4-BFB_MS	11.75	95	52059	8.83	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.34%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	52	0.089	ug/L	92

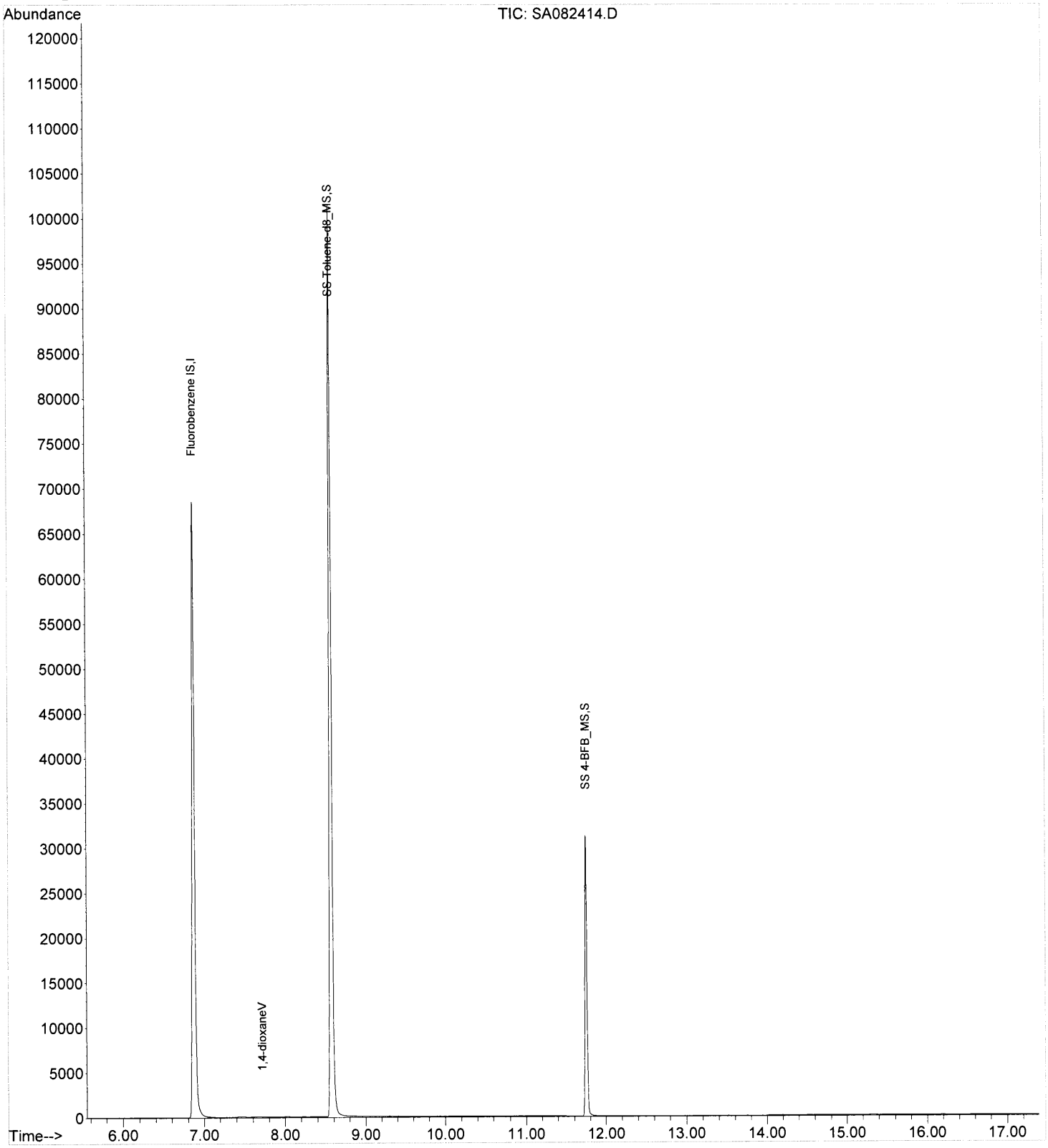
VG 8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082414.D Vial: 14
Acq On : 24 Aug 2011 7:40 pm Operator: VG
Sample : 102455.04 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:24 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2511\SA082502.D Vial: 2
Acq On : 25 Aug 2011 10:11 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 11:21:50 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

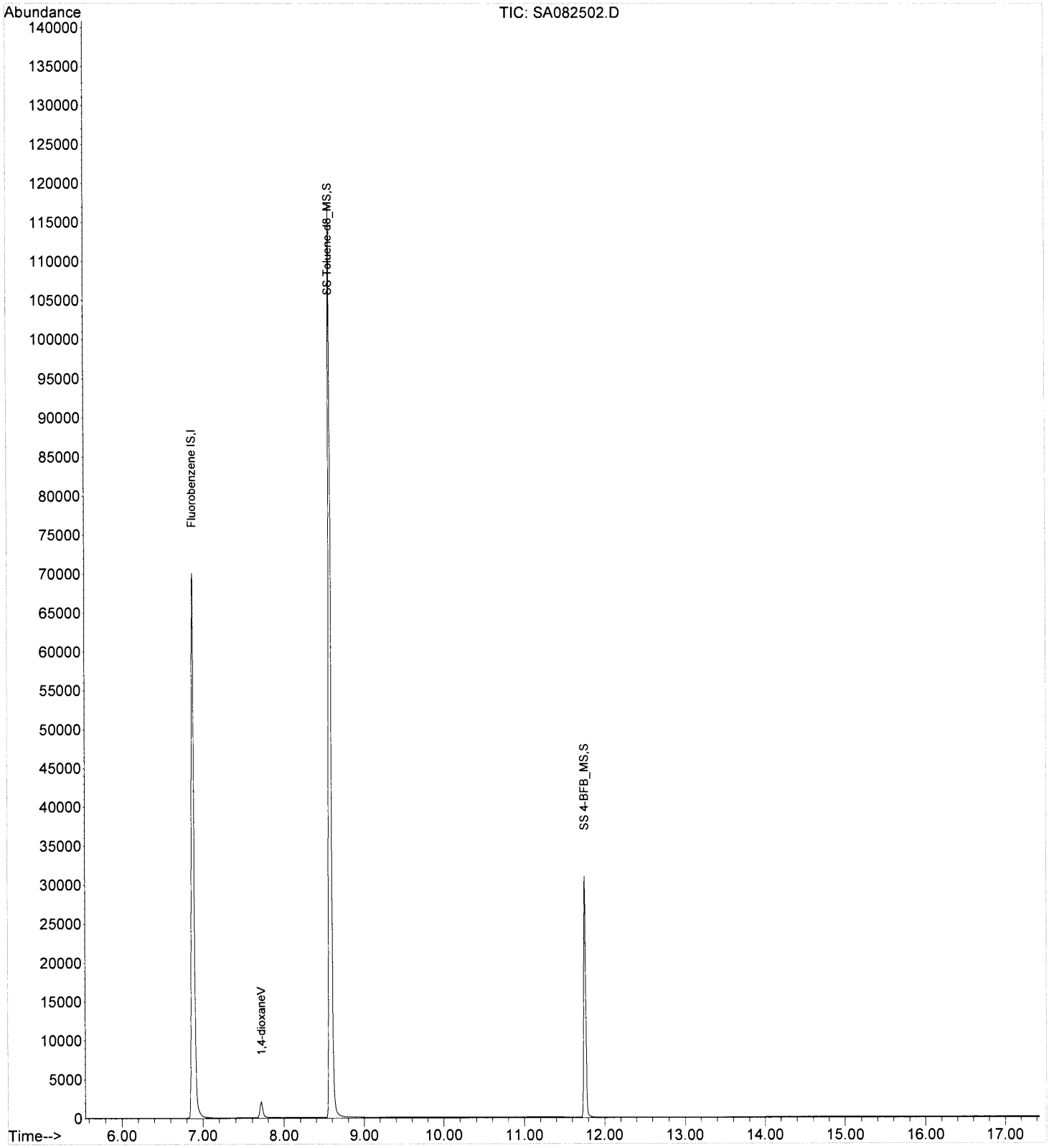
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	159980	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	143866	9.76	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.55%			
4) SS 4-BFB_MS	11.76	95	52477	8.48	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.76%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	3228	5.256	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2511\SA082502.D Vial: 2
Acq On : 25 Aug 2011 10:11 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 11:21 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2511\SA082503.D Vial: 3
Acq On : 25 Aug 2011 10:58 am Operator: VG
Sample : LCSaA082511V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 11:22:06 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

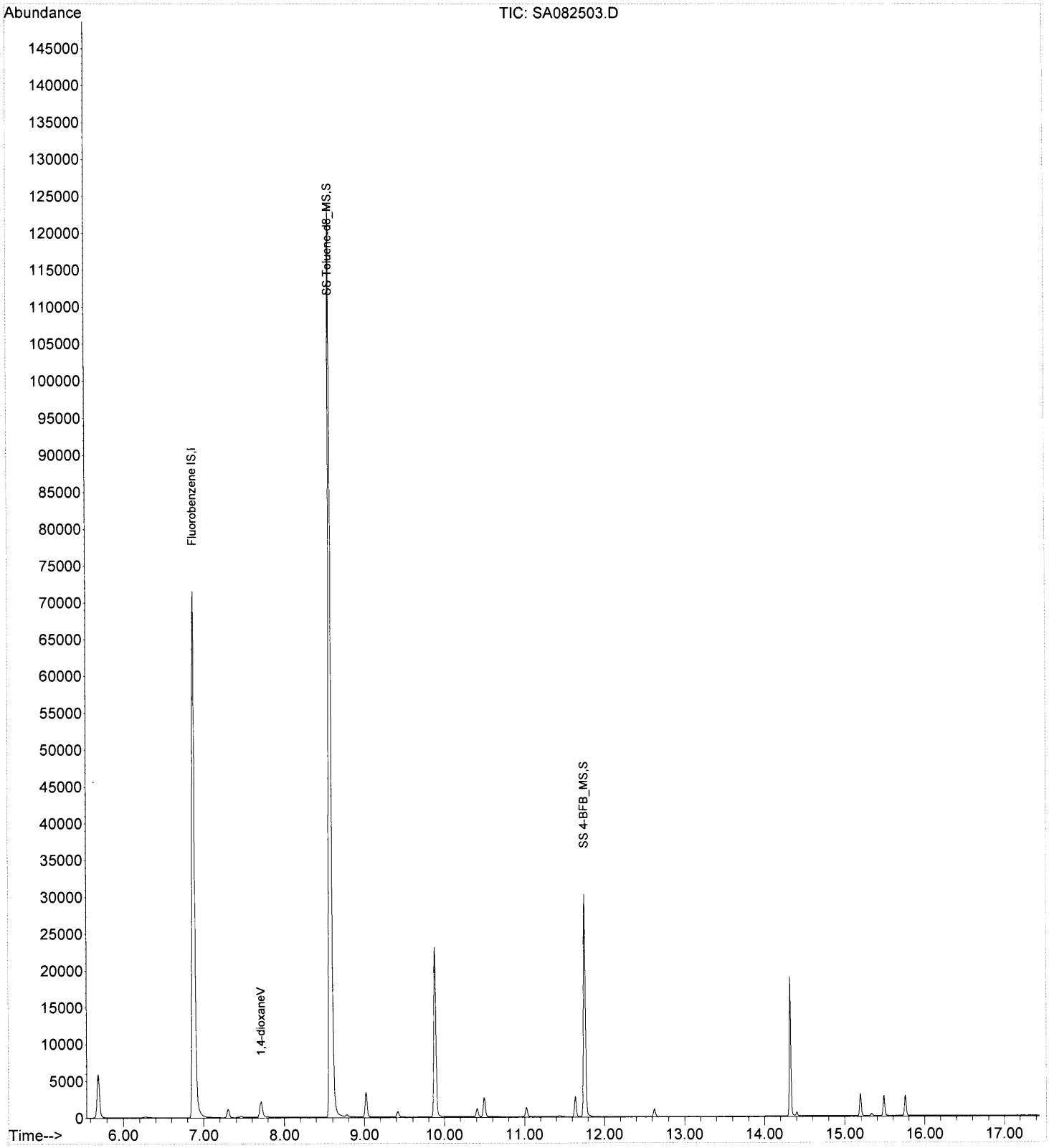
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	160987	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	148064	9.98	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.77%			
4) SS 4-BFB_MS	11.76	95	50083	8.04	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 80.39%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	3157m	5.108	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2511\SA082503.D Vial: 3
Acq On : 25 Aug 2011 10:58 am Operator: VG
Sample : LCSaA082511V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:09 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2511\SA082504.D Vial: 4
Acq On : 25 Aug 2011 11:45 am Operator: VG
Sample : LCSDA082511V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 12:35:23 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

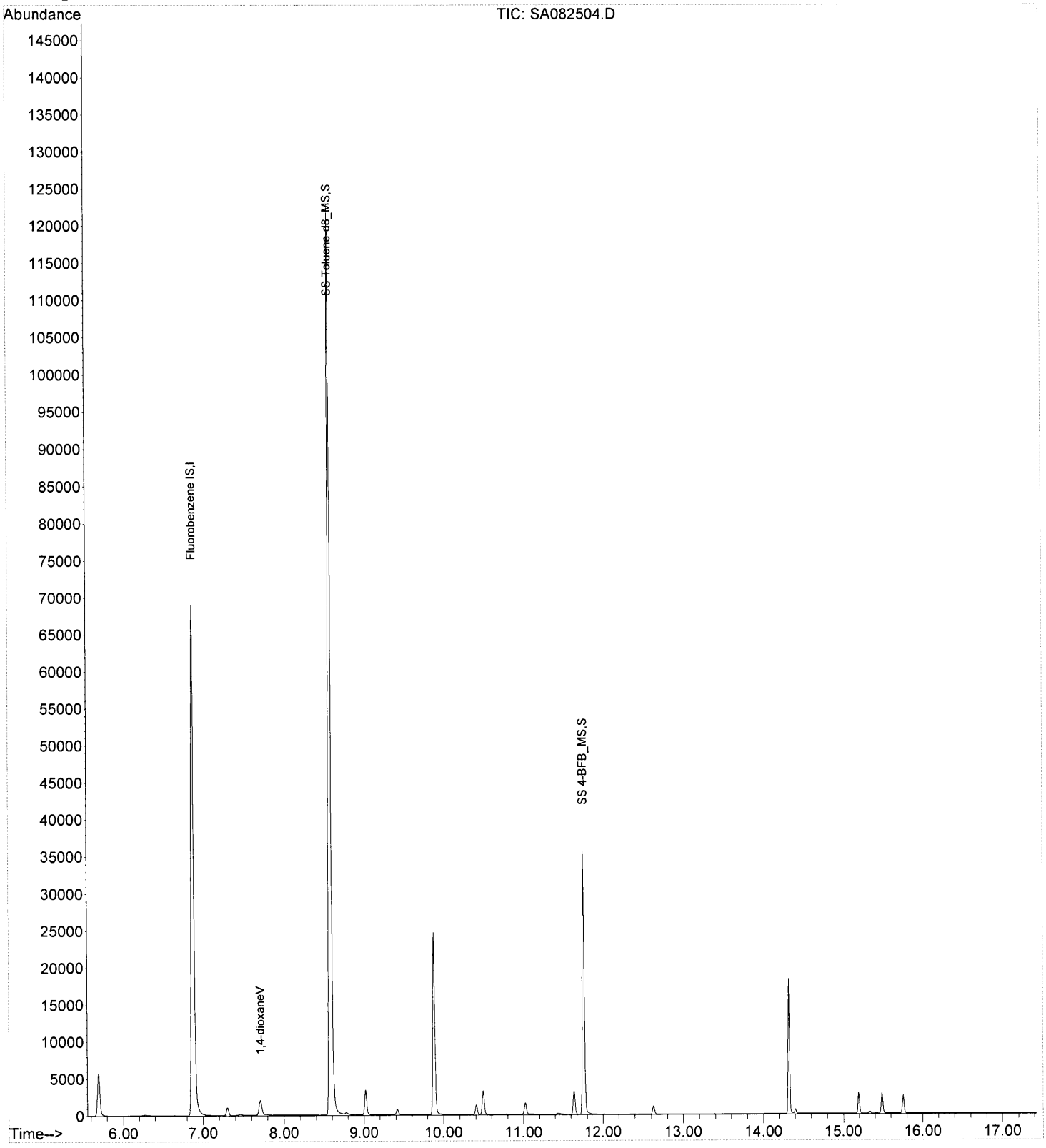
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	156678	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	146966	10.18	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.75%			
4) SS 4-BFB_MS	11.76	95	59177	9.76	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.60%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	3096m	5.147	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2511\SA082504.D Vial: 4
Acq On : 25 Aug 2011 11:45 am Operator: VG
Sample : LCSDA082511V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:09 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2511\SA082505.D Vial: 5
Acq On : 25 Aug 2011 12:32 pm Operator: VG
Sample : BlnkA082511V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 13:50:02 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

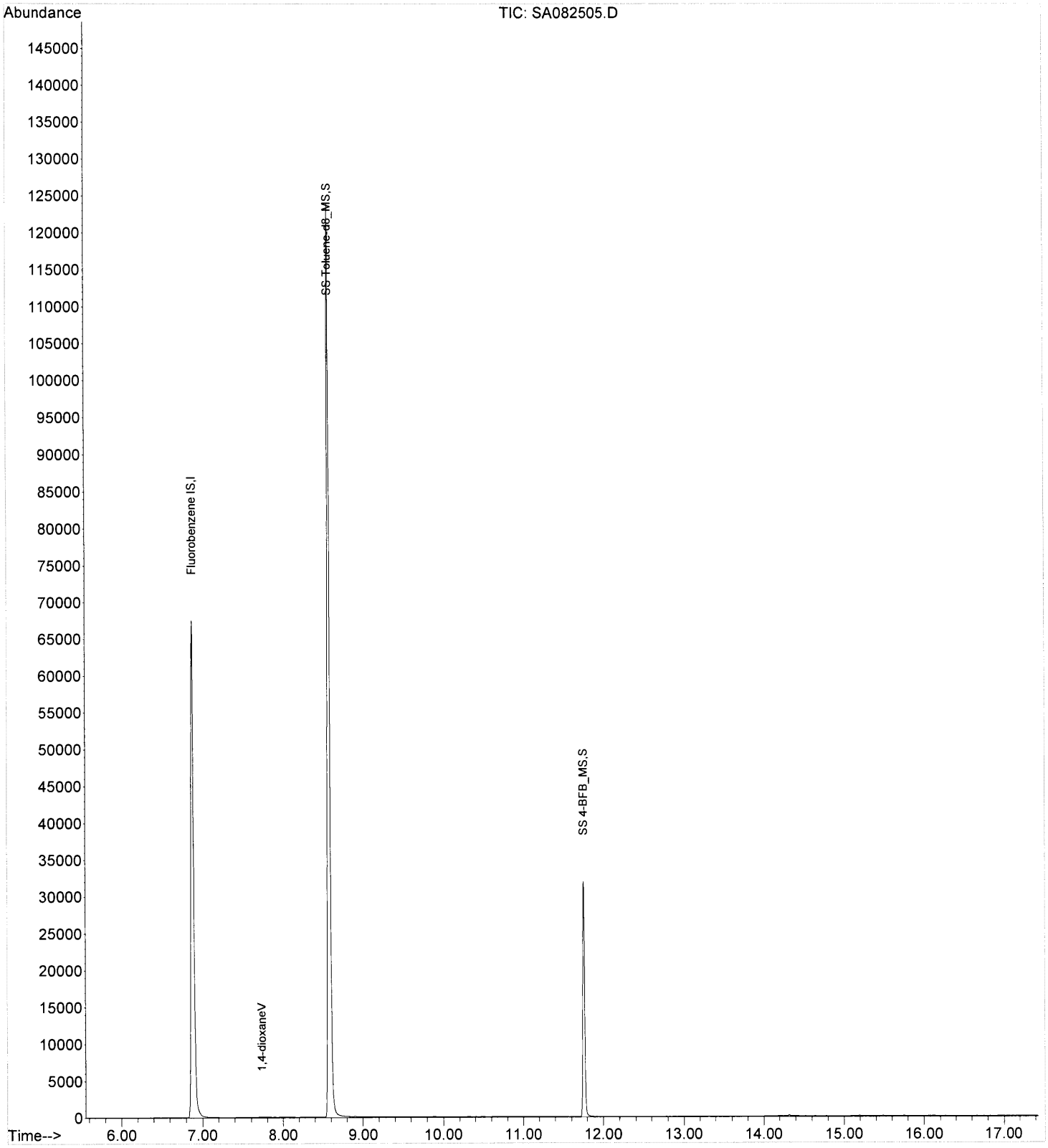
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	156725	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	148507	10.28	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.79%			
4) SS 4-BFB_MS	11.76	95	53956	8.90	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.96%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.73	88	42	0.070	ug/L	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2511\SA082505.D Vial: 5
Acq On : 25 Aug 2011 12:32 pm Operator: VG
Sample : BlnkA082511V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 13:49 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082506.D Vial: 6
Acq On : 25 Aug 2011 1:19 pm Operator: VG
Sample : 102455.05 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 07:58:02 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	154511	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	140719	9.88	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.79%			
4) SS 4-BFB_MS	11.76	95	49844	8.34	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.36%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	11536	19.447	ug/L	96

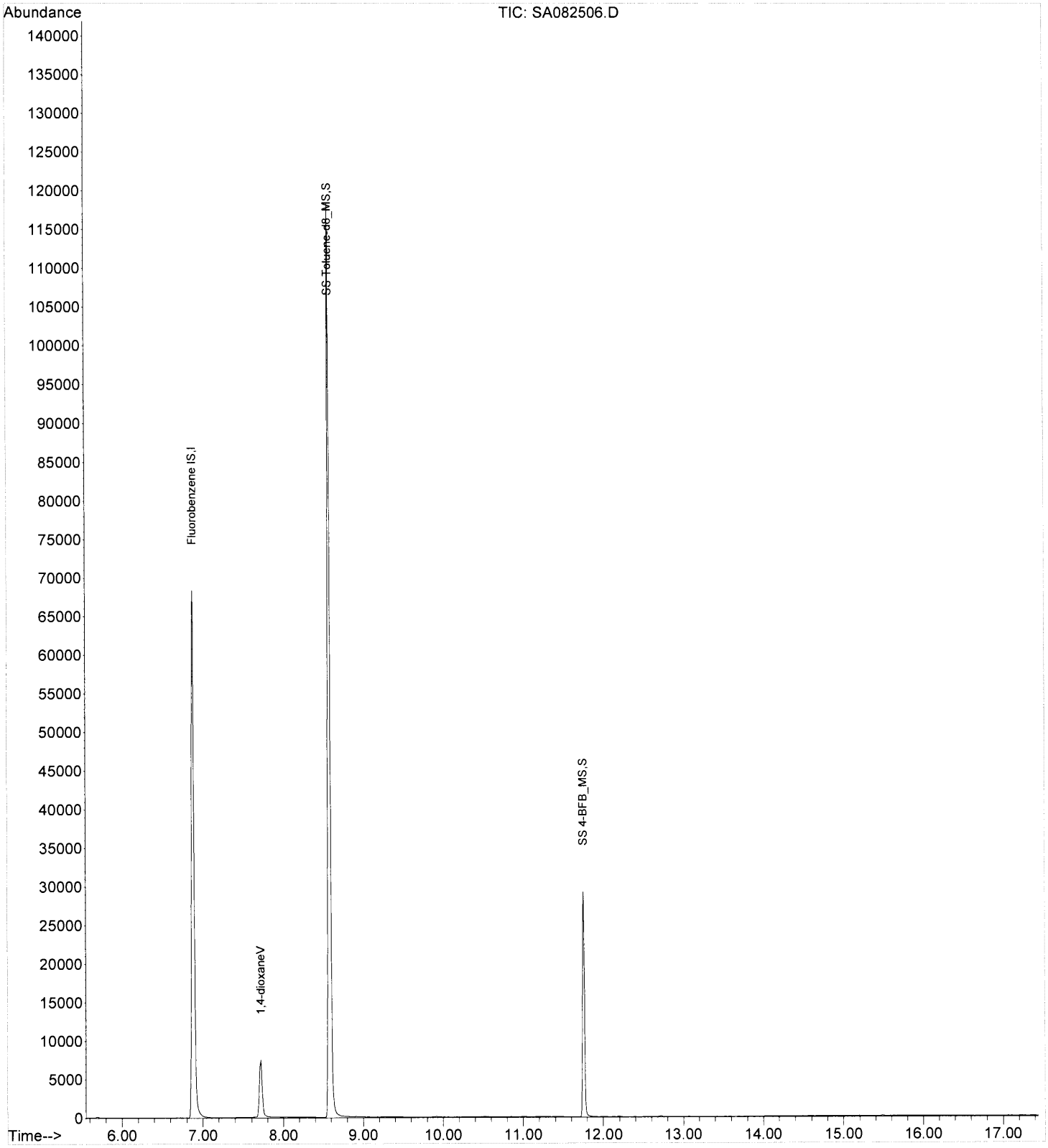
8/26/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082506.D Vial: 6
Acq On : 25 Aug 2011 1:19 pm Operator: VG
Sample : 102455.05 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 7:57 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082507.D Vial: 7
Acq On : 25 Aug 2011 2:06 pm Operator: VG
Sample : 102455.05MS Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 07:58:16 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	159252	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	148324	10.10	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.03%			
4) SS 4-BFB_MS	11.76	95	50607	8.21	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.12%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	15076	24.658	ug/L	94

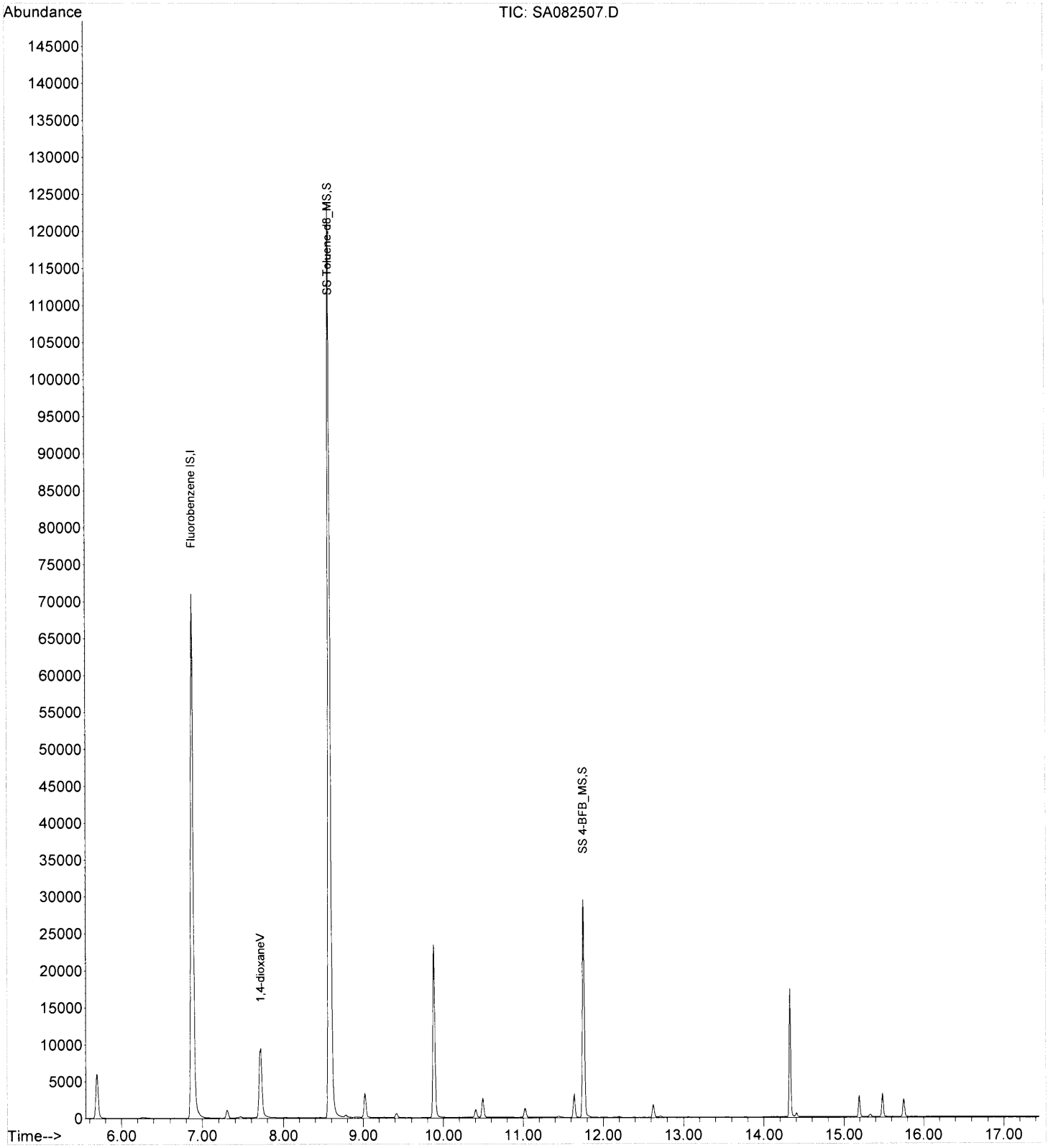
8/26/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082507.D Vial: 7
Acq On : 25 Aug 2011 2:06 pm Operator: VG
Sample : 102455.05MS Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 7:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082508.D Vial: 8
Acq On : 25 Aug 2011 2:54 pm Operator: VG
Sample : 102455.05MSD Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 07:58:19 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	154449	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	139827	9.82	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.21%			
4) SS 4-BFB_MS	11.76	95	57121	9.56	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.57%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	13994	23.600	ug/L	93

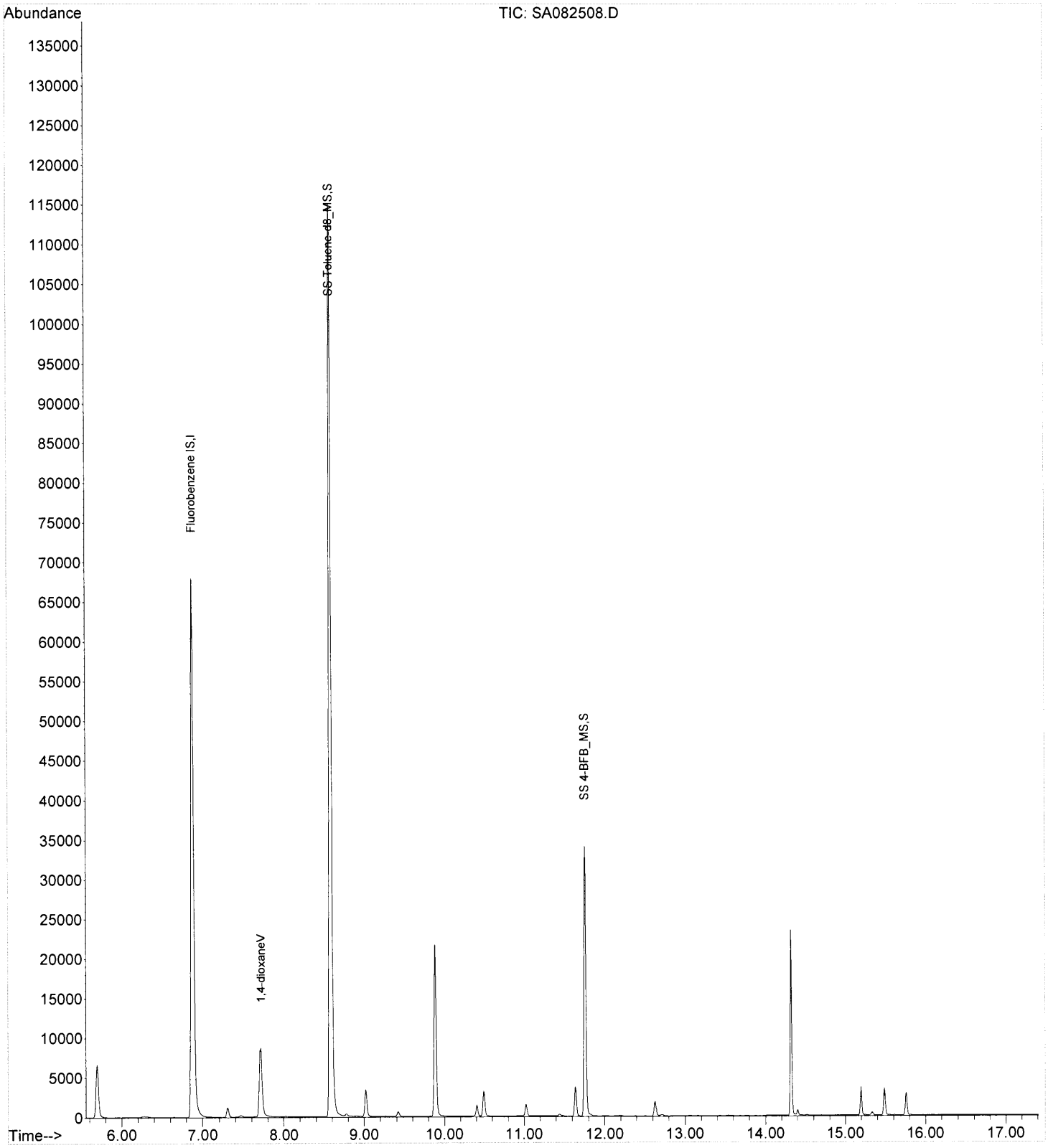
8/26/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082508.D Vial: 8
Acq On : 25 Aug 2011 2:54 pm Operator: VG
Sample : 102455.05MSD Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 7:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082509.D Vial: 9
Acq On : 25 Aug 2011 3:41 pm Operator: VG
Sample : 102455.06 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 07:58:22 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	160782	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	127683	8.61	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.15%			
4) SS 4-BFB_MS	11.76	95	53966	8.67	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.73%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	12239	19.827	ug/L	97

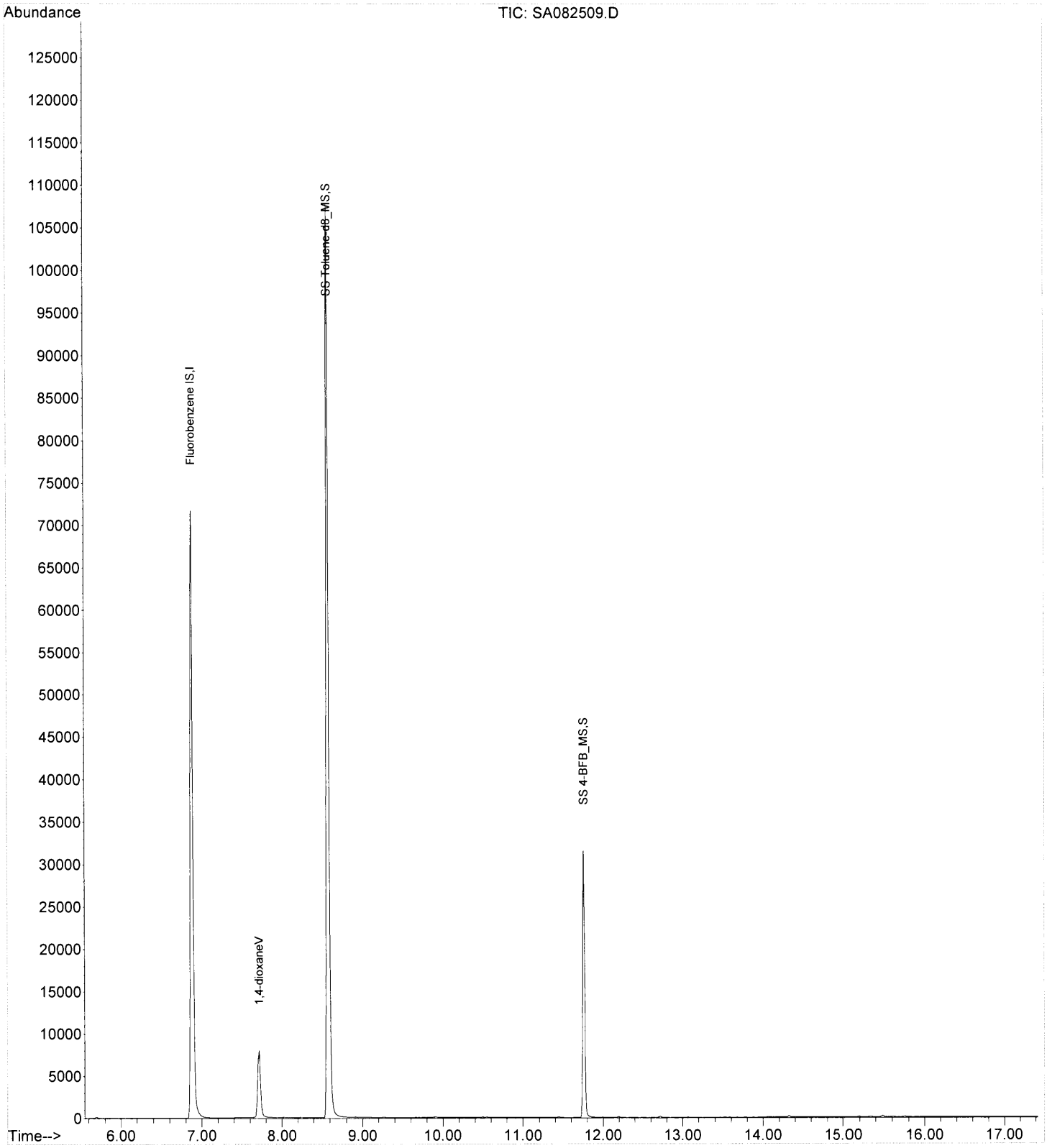
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082509.D Vial: 9
Acq On : 25 Aug 2011 3:41 pm Operator: VG
Sample : 102455.06 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 7:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082510.D Vial: 10
Acq On : 25 Aug 2011 4:28 pm Operator: VG
Sample : 102455.10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 07:58:25 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	162940	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	144098	9.59	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.93%			
4) SS 4-BFB_MS	11.76	95	52905	8.39	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.90%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	493	0.788	ug/L	92

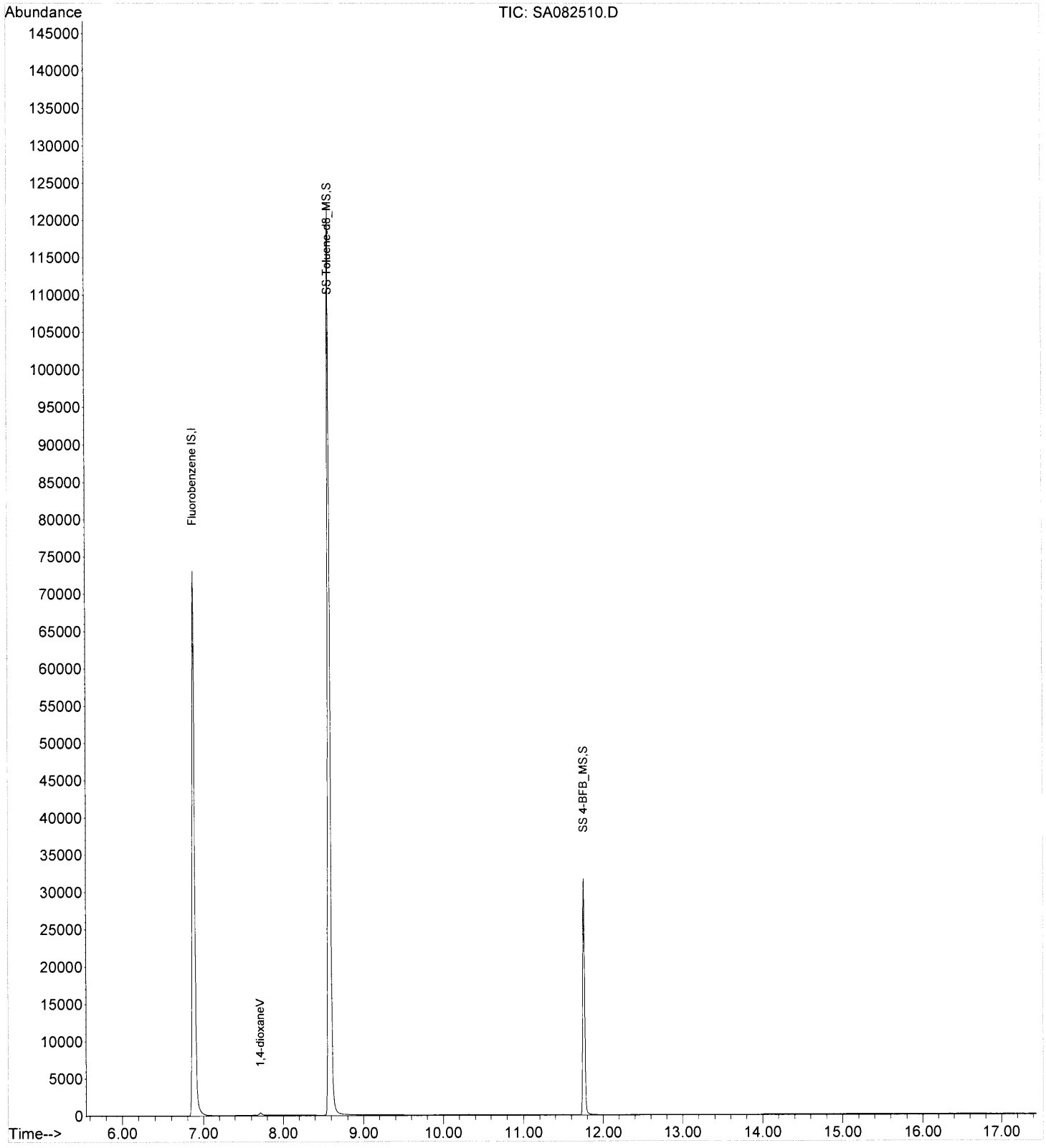
8/26/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082510.D Vial: 10
Acq On : 25 Aug 2011 4:28 pm Operator: VG
Sample : 102455.10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 7:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082511.D Vial: 11
Acq On : 25 Aug 2011 5:15 pm Operator: VG
Sample : 102455.11 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 07:58:28 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	158712	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	138803	9.49	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.87%			
4) SS 4-BFB_MS	11.76	95	61139	9.95	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.54%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	574	0.942	ug/L	87

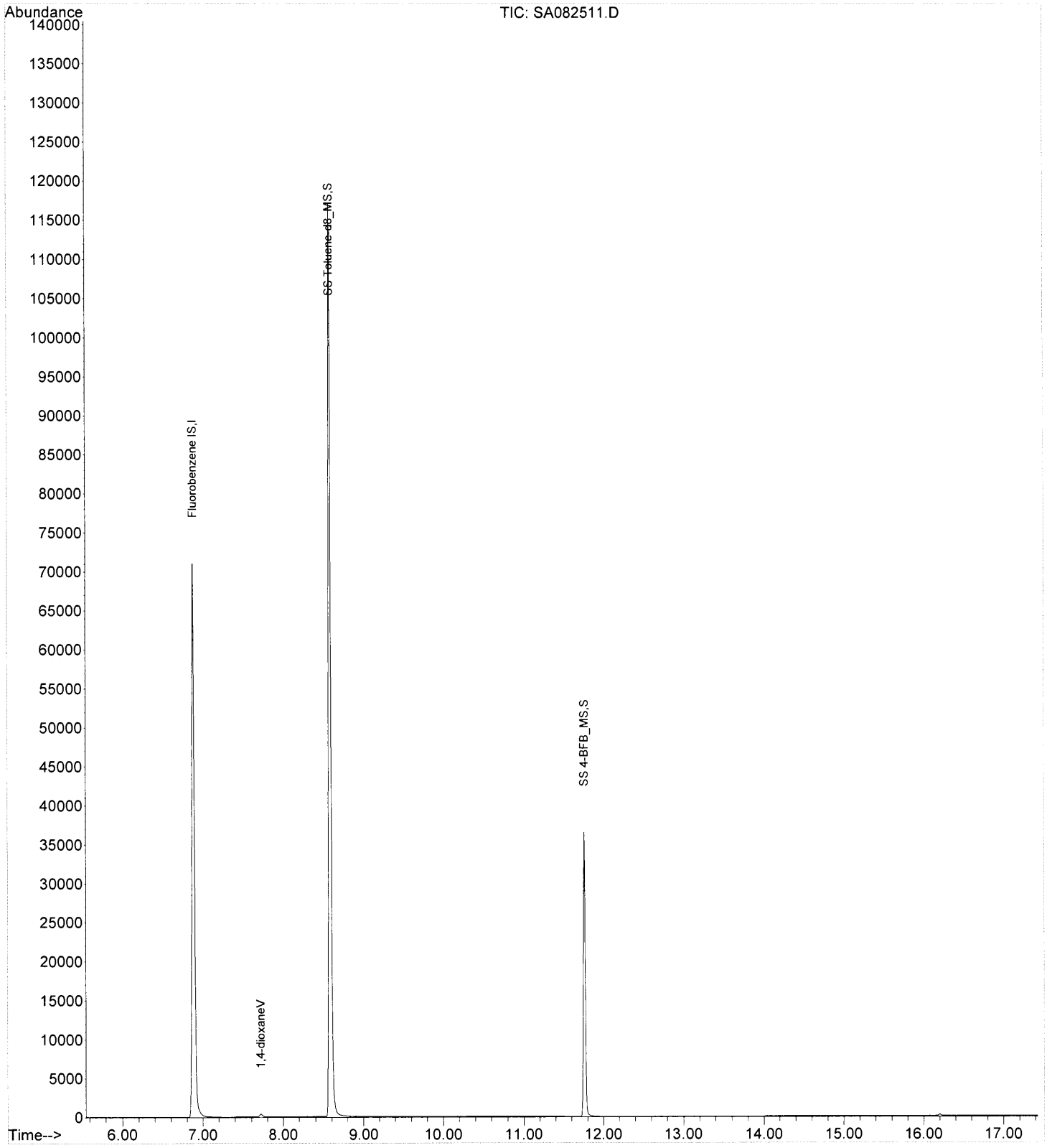
8/26/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082511.D Vial: 11
Acq On : 25 Aug 2011 5:15 pm Operator: VG
Sample : 102455.11 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 7:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082512.D Vial: 12
Acq On : 25 Aug 2011 6:02 pm Operator: VG
Sample : 102455.14 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 07:58:31 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	160171	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	146598	9.93	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.28%			
4) SS 4-BFB_MS	11.75	95	57505	9.28	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.77%			
Target Compounds						Qvalue

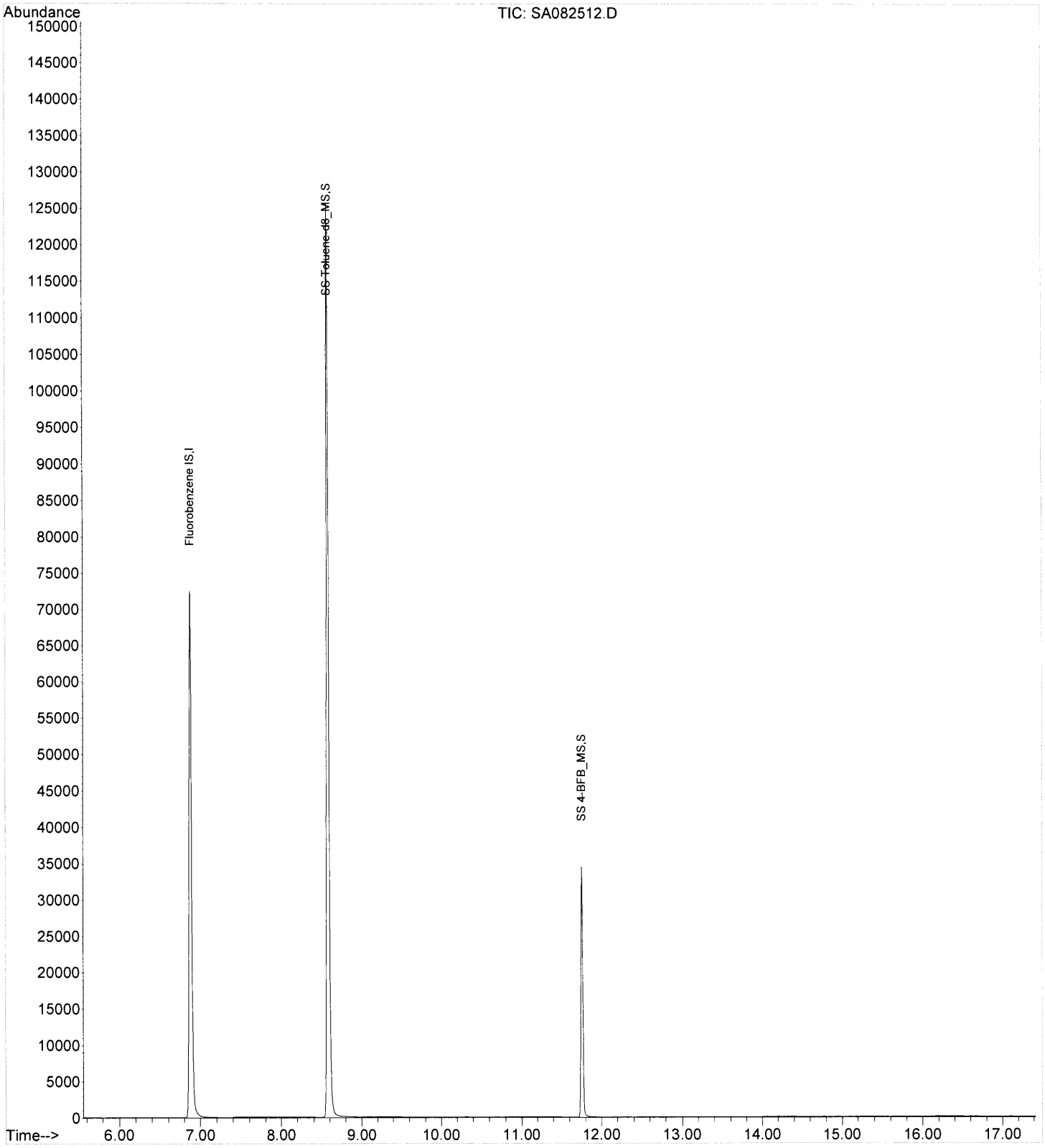
8/26/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082512.D Vial: 12
Acq On : 25 Aug 2011 6:02 pm Operator: VG
Sample : 102455.14 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 7:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082513.D Vial: 13
Acq On : 25 Aug 2011 6:51 pm Operator: VG
Sample : 102455.15 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 07:58:34 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS		6.88	96	143113	10.000	ug/L	0.00
System Monitoring Compounds							
3) SS Toluene-d8_MS		8.58	98	135807	10.29	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130		Recovery = 102.94%			
4) SS 4-BFB_MS		11.75	95	48086	8.68	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130		Recovery = 86.83%			
Target Compounds							Qvalue
2) 1,4-dioxaneV		7.70	88	3318	6.039	ug/L	80

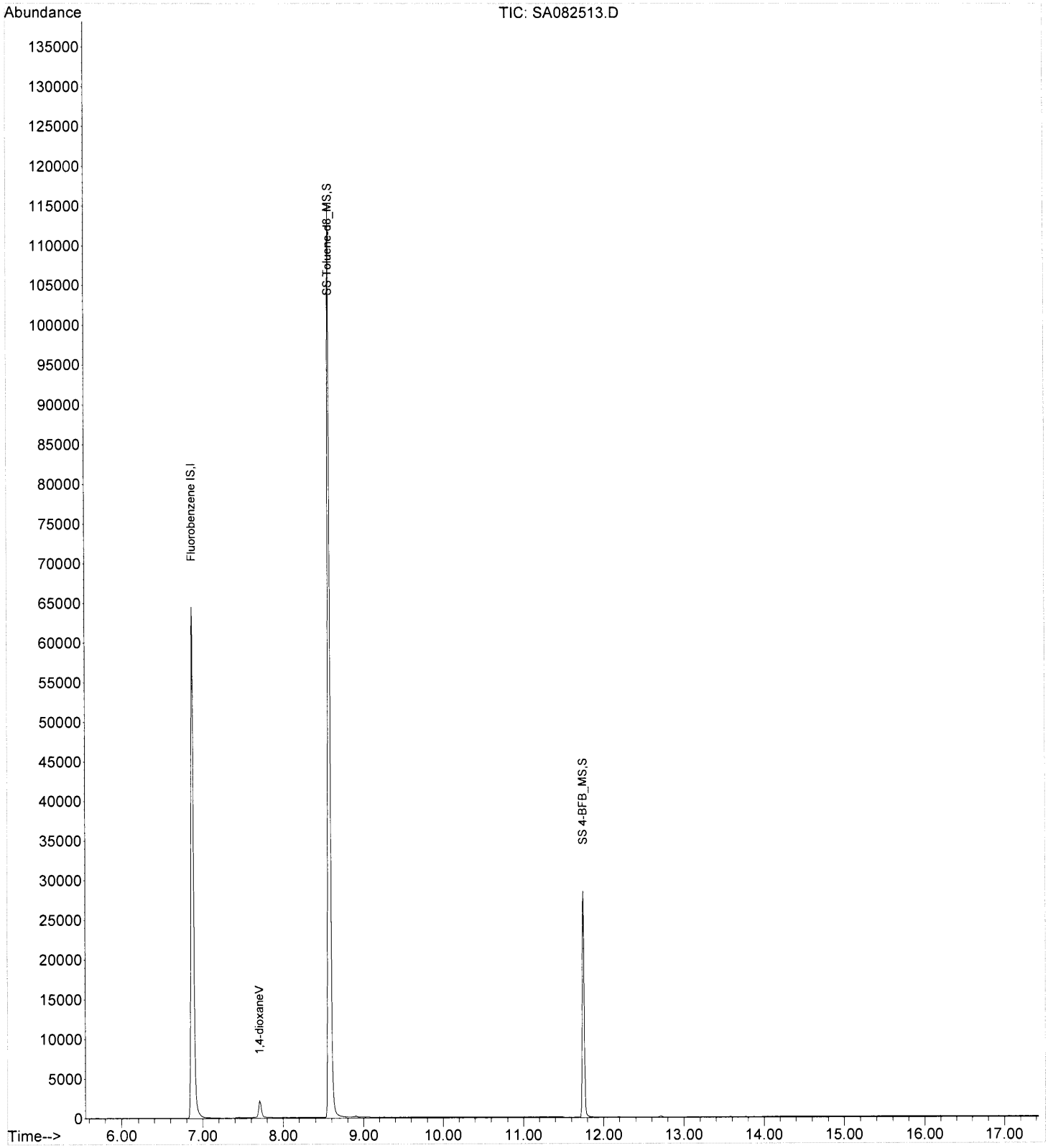
8/26/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082513.D 2SIM0815.M Fri Aug 26 07:58:34 2011

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082513.D Vial: 13
Acq On : 25 Aug 2011 6:51 pm Operator: VG
Sample : 102455.15 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 7:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082514.D Vial: 14
Acq On : 25 Aug 2011 7:39 pm Operator: VG
Sample : 102455.16 Inst : VOAMS2
Misc : X10;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 07:58:37 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	156690	10.000 ug/L	0.00
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.58	98	143080	9.91 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.05%		
4) SS 4-BFB_MS	11.75	95	50490	8.33 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.27%		
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.70	88	8710	14.479 ug/L	82

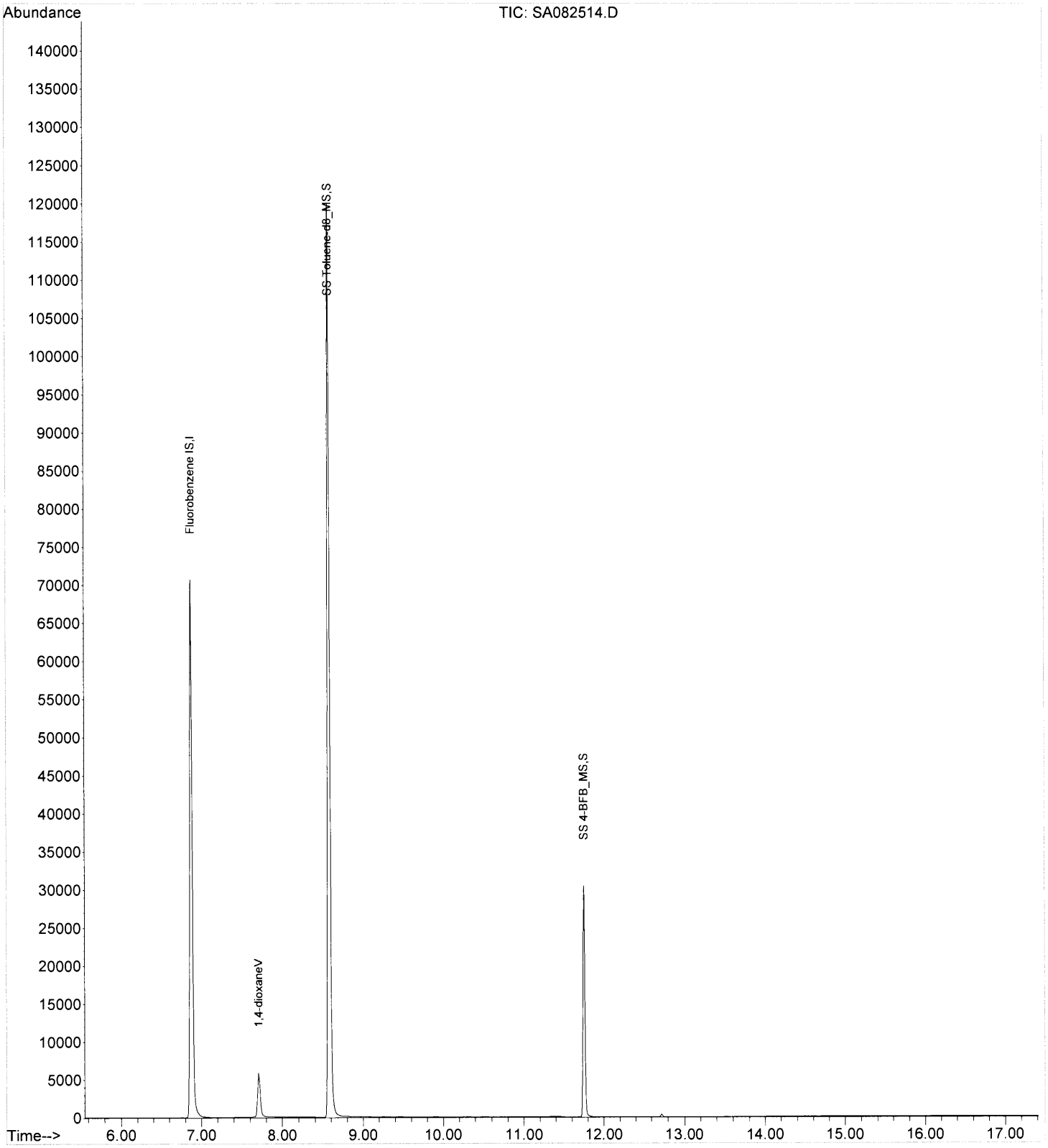
8/26/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082514.D Vial: 14
Acq On : 25 Aug 2011 7:39 pm Operator: VG
Sample : 102455.16 Inst : VOAMS2
Misc : X10;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 7:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082515.D Vial: 15
Acq On : 25 Aug 2011 8:27 pm Operator: VG
Sample : 102455.17 Inst : VOAMS2
Misc : X10;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 07:58:40 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	142579	10.000 ug/L	0.00
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.58	98	123951	9.43 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.30%		
4) SS 4-BFB_MS	11.75	95	48467	8.78 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.84%		
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.70	88	10997	20.090 ug/L	82

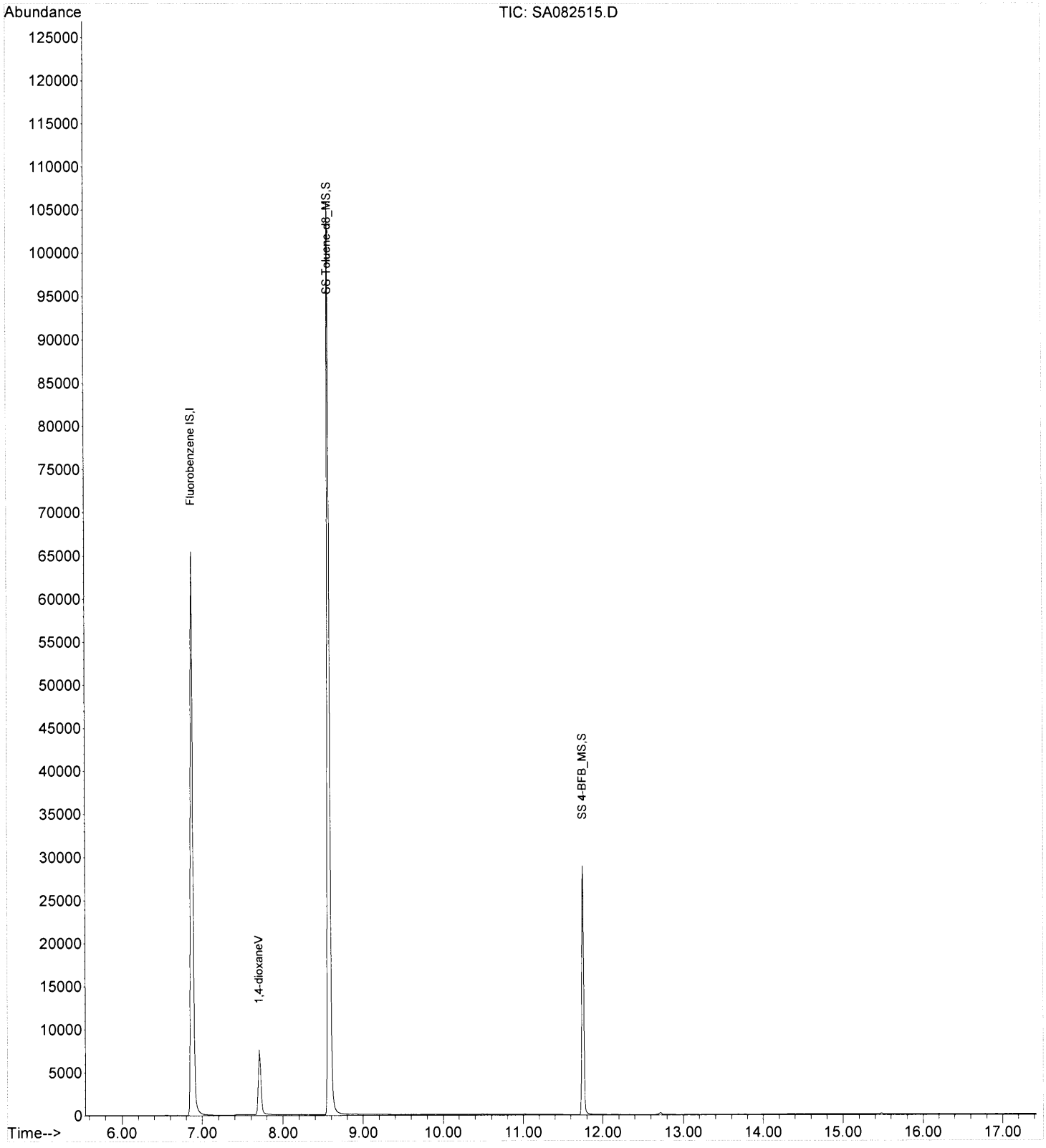
8/26/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082515.D 2SIM0815.M Fri Aug 26 07:58:40 2011

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2511\SA082515.D Vial: 15
Acq On : 25 Aug 2011 8:27 pm Operator: VG
Sample : 102455.17 Inst : VOAMS2
Misc : X10;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 7:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082602.D Vial: 2
Acq On : 26 Aug 2011 11:45 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 12:16:50 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

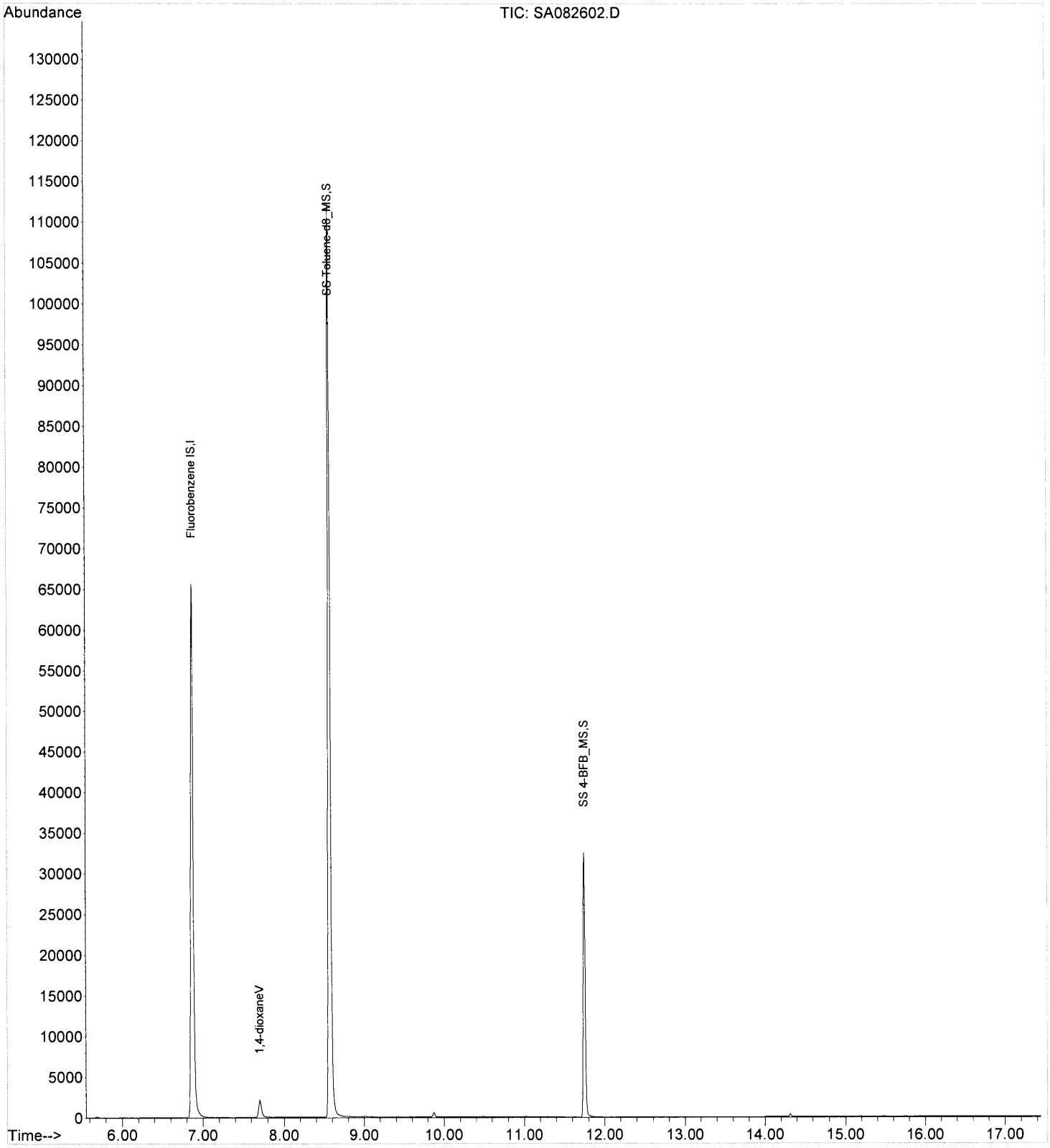
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	144399	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	131969	9.91	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.14%			
4) SS 4-BFB_MS	11.75	95	53776	9.62	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.23%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	3229	5.824	ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082602.D Vial: 2
Acq On : 26 Aug 2011 11:45 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 12:16 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082603.D Vial: 3
Acq On : 26 Aug 2011 12:32 pm Operator: VG
Sample : LCSaA082611V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 13:42:35 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

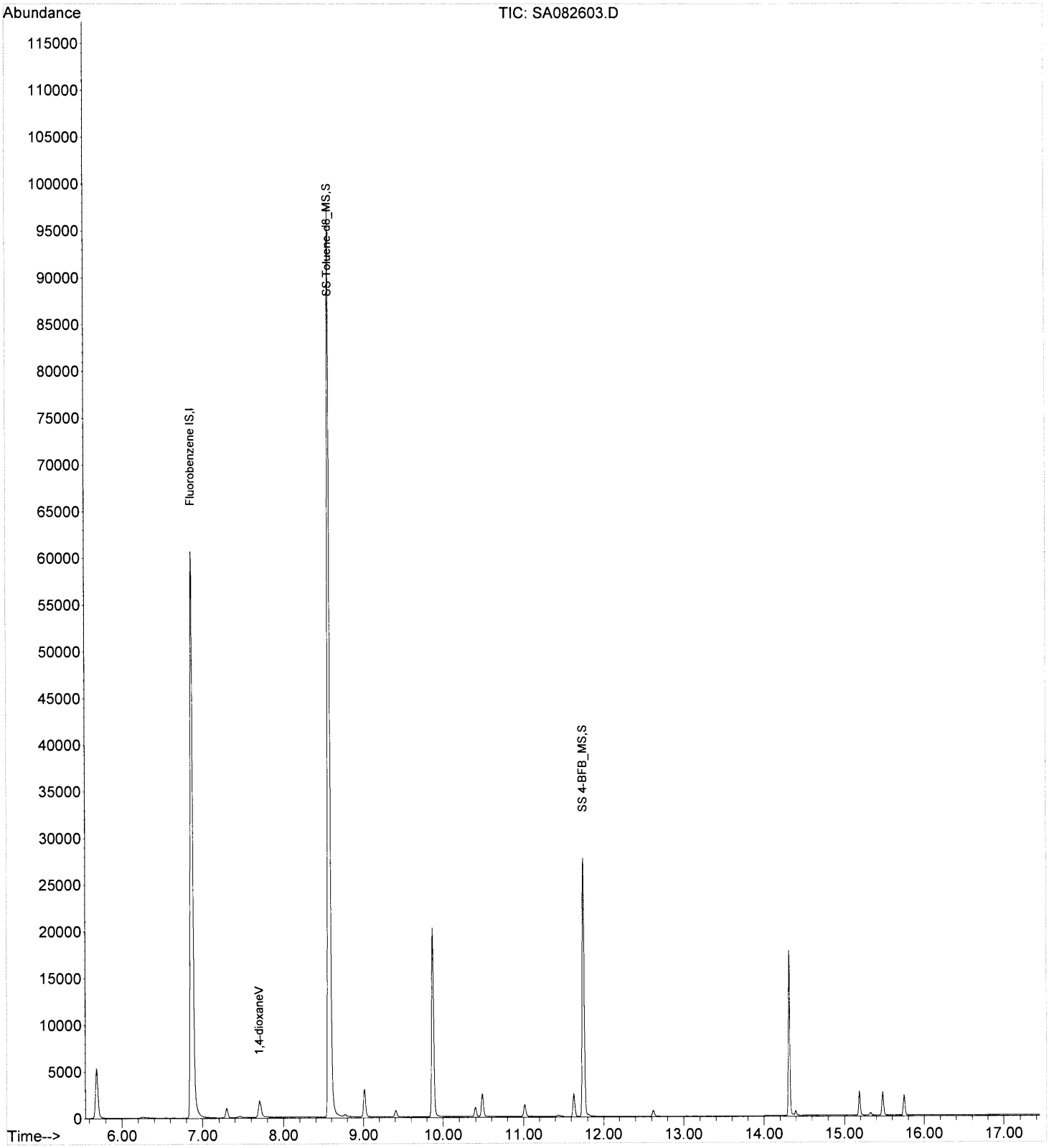
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	137313	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	119000	9.40	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.01%			
4) SS 4-BFB_MS	11.75	95	45697	8.60	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.00%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	2665m	5.055	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082603.D Vial: 3
Acq On : 26 Aug 2011 12:32 pm Operator: VG
Sample : LCSaA082611V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 13:43 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082604.D Vial: 4
Acq On : 26 Aug 2011 1:20 pm Operator: VG
Sample : LCSDA082611V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 13:42:45 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

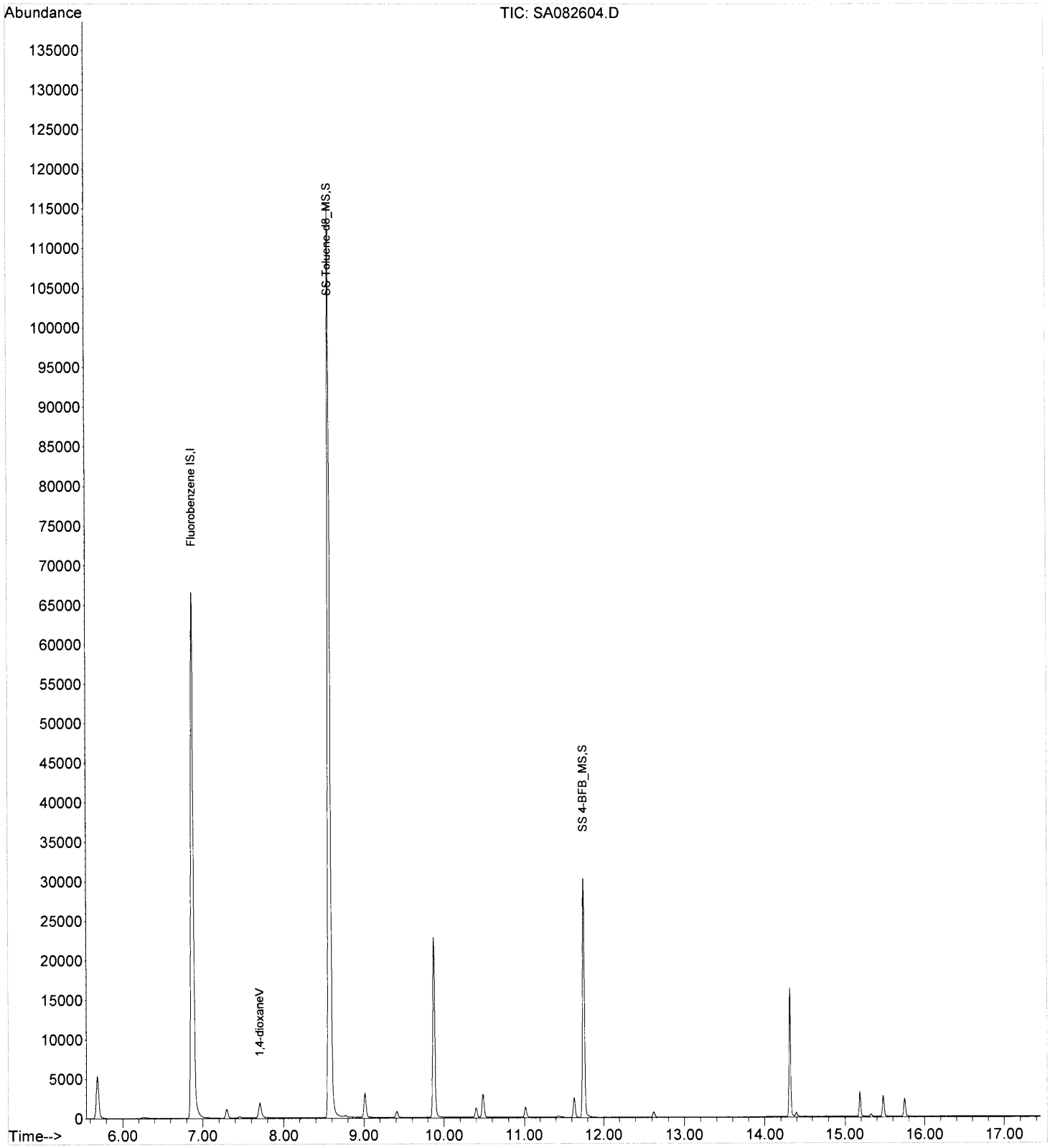
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	153074	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	140450	9.95	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.53%			
4) SS 4-BFB_MS	11.75	95	50855	8.58	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.85%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	2912m	4.955	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082604.D Vial: 4
Acq On : 26 Aug 2011 1:20 pm Operator: VG
Sample : LCSDA082611V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 13:42 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082605.D Vial: 5
Acq On : 26 Aug 2011 2:07 pm Operator: VG
Sample : BlnkA082611V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 09:53:15 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

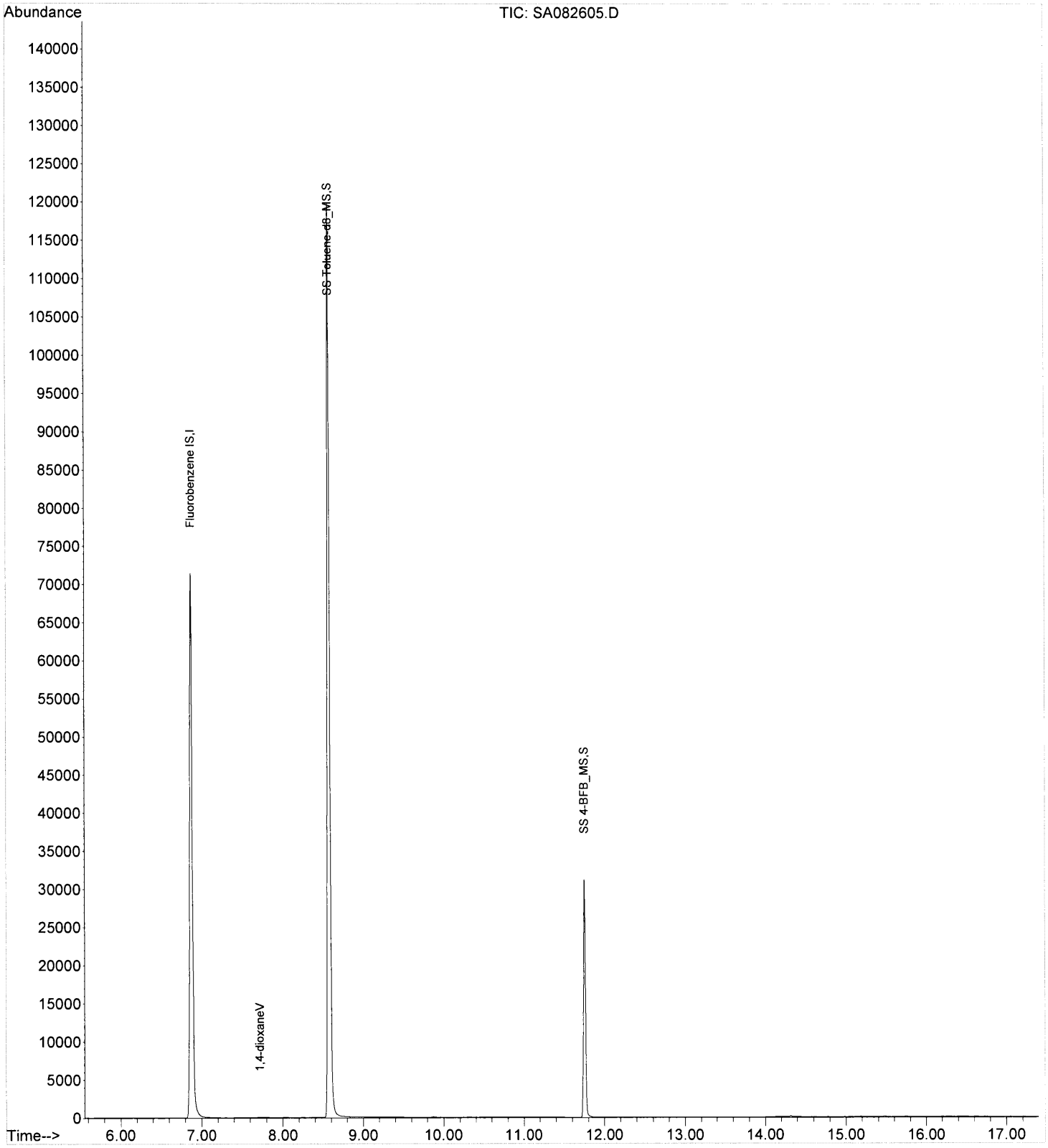
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	161716	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	144150	9.67	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.69%			
4) SS 4-BFB_MS	11.75	95	52443	8.38	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.80%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	57	0.092	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082605.D Vial: 5
Acq On : 26 Aug 2011 2:07 pm Operator: VG
Sample : BlnkA082611V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 9:53 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2611\SA082611.D Vial: 11
Acq On : 26 Aug 2011 6:51 pm Operator: VG
Sample : 102455.18 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 09:54:11 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	158684	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	129550	8.86	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.56%			
4) SS 4-BFB_MS	11.75	95	55270	9.00	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.00%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	41	0.067	ug/L	86

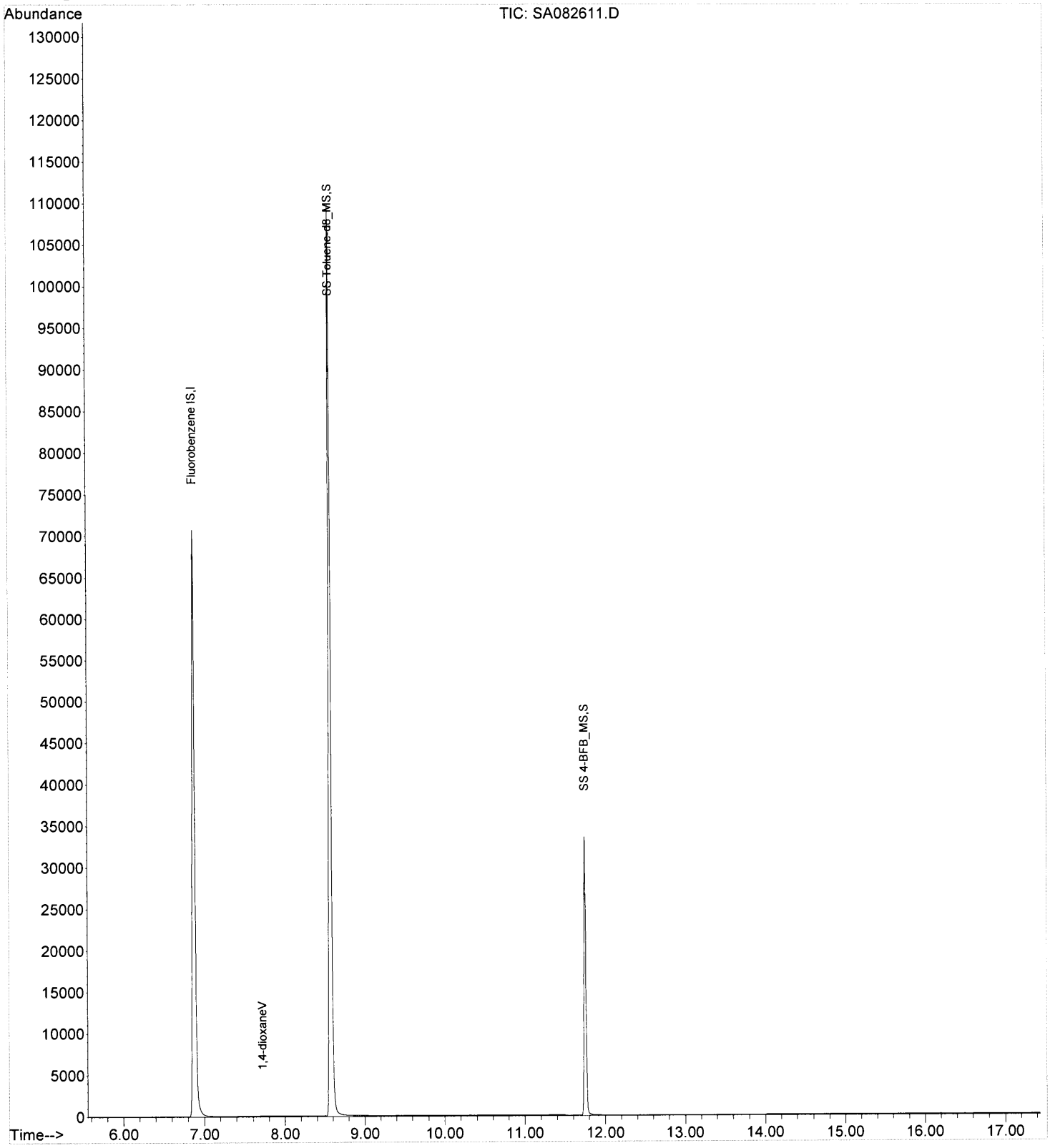
8/29/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2611\SA082611.D Vial: 11
Acq On : 26 Aug 2011 6:51 pm Operator: VG
Sample : 102455.18 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 9:54 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2611\SA082612.D Vial: 12
Acq On : 26 Aug 2011 7:39 pm Operator: VG
Sample : 102455.19 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 09:54:14 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	159922	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	143461	9.73	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.31%			
4) SS 4-BFB_MS	11.75	95	54525	8.81	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.10%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	43	0.070	ug/L	99

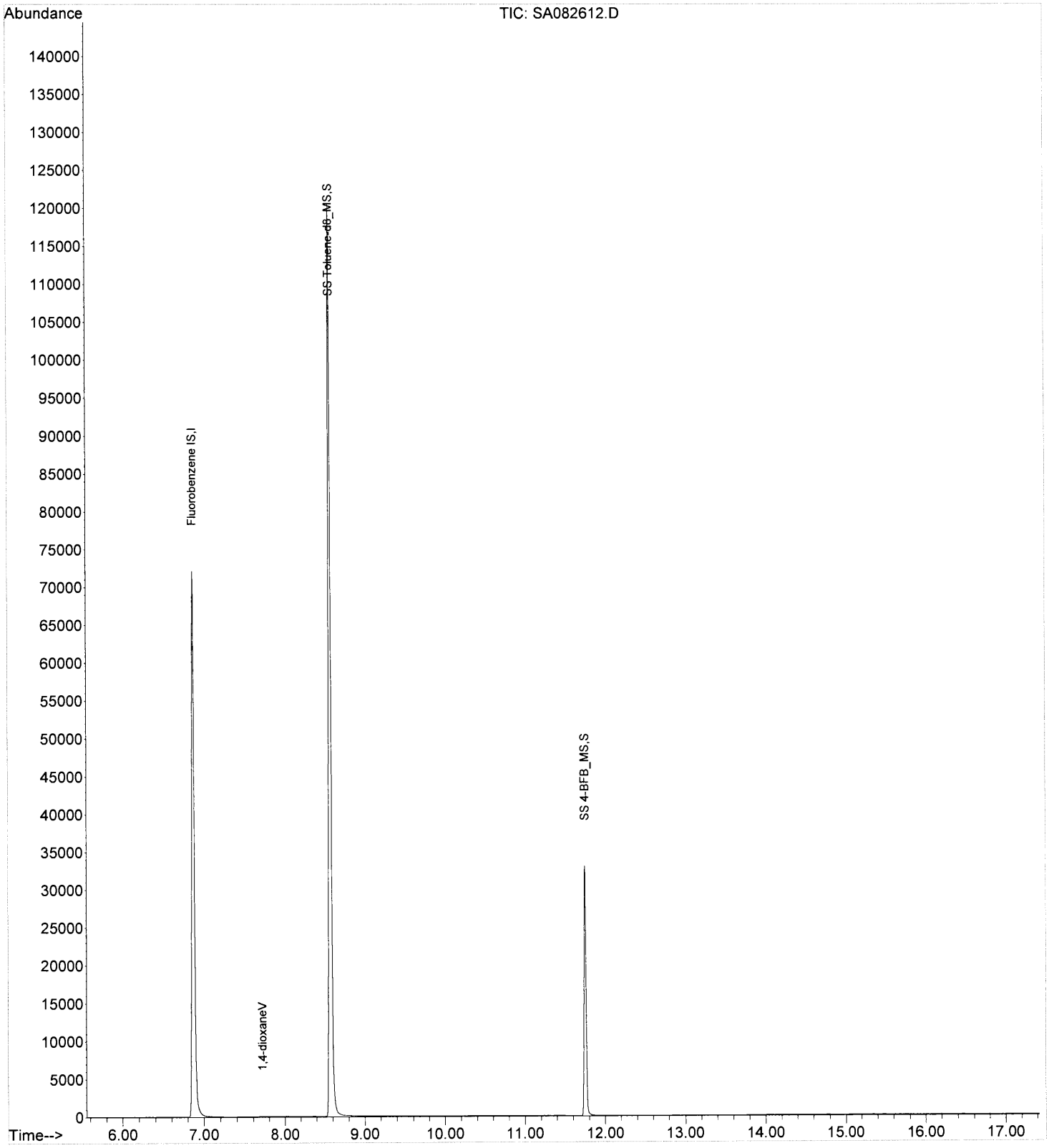
VG 8/29/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2611\SA082612.D Vial: 12
Acq On : 26 Aug 2011 7:39 pm Operator: VG
Sample : 102455.19 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 9:54 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2611\SA082610.D Vial: 10
Acq On : 26 Aug 2011 6:04 pm Operator: VG
Sample : 102455.21 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 09:54:08 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	152529	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	133100	9.47	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.66%			
4) SS 4-BFB_MS	11.75	95	53278	9.03	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.26%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	94	0.161	ug/L	97

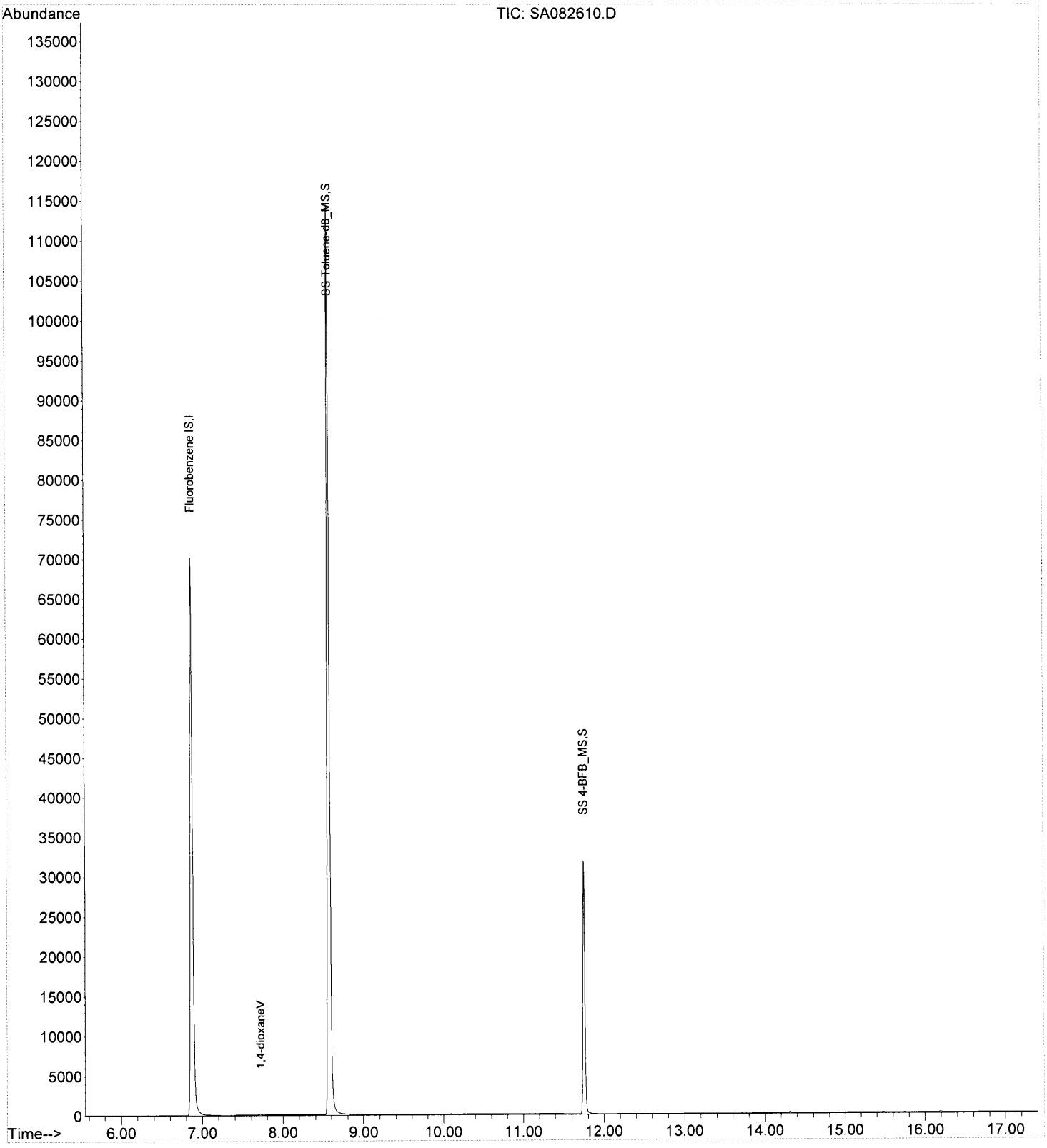
8/29/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2611\SA082610.D Vial: 10
Acq On : 26 Aug 2011 6:04 pm Operator: VG
Sample : 102455.21 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 9:53 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Volatile Organic Analysis
Raw Sample and QC Data
102343

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1711\SA081705.D Vial: 5
Acq On : 17 Aug 2011 1:06 pm Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 17 14:19:55 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene IS	12.04	96	289033	10.000	ug/L		0.00
47) Chlorobenzene-D5 IS	16.70	117	225756	10.000	ug/L		0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	122739	10.000	ug/L		0.00
System Monitoring Compounds							
31) SS Dibromofluoromethane_MS	10.27	111	69158	10.11	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.13%				
35) SS 1,2-DCA-d4_MS	11.39	65	77407	10.76	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.63%				
48) SS Toluene-d8_MS	14.67	98	288878	10.29	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.92%				
65) SS 4-BFB_MS	18.14	95	108067	10.13	ug/L		0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.34%				
83) SS 1,2-DCB-D4_MS	19.76	152	112450	10.39	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.85%				
90) SS 2,5-DBT_MS	23.36	250	51100	17.98	ug/L		0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 44.94%#				
Target Compounds							Qvalue
2) dichlorodifluoromethane	2.99	85	129293	16.480	ug/L		99
3) chloromethane	3.33	50	159666	17.699	ug/L		99
4) vinyl chloride	3.48	62	89652	20.093	ug/L		99
5) bromomethane	4.13	94	78540	18.074	ug/L		96
6) chloroethane	4.25	64	84249	19.081	ug/L		98
7) trichlorofluoromethane	4.65	101	181051	18.793	ug/L		100
8) diethyl ether	5.15	59	114593	20.618	ug/L		99
9) 1,1,2-Trichlorotrifluoroet	5.40	101	137627	20.066	ug/L		99
10) acrolein	5.40	56	4773	29.125	ug/L	#	62
11) acetone	5.52	43	50544	24.463	ug/L		98
12) 1,1-dichloroethene	5.74	96	125532	19.719	ug/L		99
13) tert-Butyl Alcohol (TBA)	5.90	59	42644m	97.543	ug/L		
14) Iodomethane	6.33	142	104619	16.031	ug/L	#	99
15) methylene chloride	6.66	84	136616	19.000	ug/L		97
16) carbon disulfide	6.69	76	394718	18.347	ug/L		99
17) acrylonitrile	6.93	53	55986	21.612	ug/L		99
18) Methyl-t-butyl ether (MTBE	6.96	73	596786	39.410	ug/L		96
19) trans-1,2-dichloroethene	7.25	96	138509	19.620	ug/L		98
20) hexane	7.38	57	197837	19.482	ug/L		98
21) Isopropyl ether (DIPE)	7.90	45	533410	19.971	ug/L		98
22) vinyl acetate	8.14	43	149331	15.170	ug/L		99
23) 1,1-dichloroethane	8.14	63	273266	19.764	ug/L		100
24) Ethyl-t-butyl ether (ETBE)	8.77	59	388759	18.232	ug/L	#	96
25) 2,2-dichloropropane	9.33	77	131933	14.210	ug/L	#	77
26) cis-1,2-dichloroethene	9.43	61	225814	20.269	ug/L		98
27) 2-butanone (MEK)	9.04	43	70393	22.119	ug/L		98
28) bromochloromethane	10.14	128	79624	20.271	ug/L		97
29) Tetrahydrofuran (THF)	10.22	42	38064	20.518	ug/L		98
30) chloroform	9.78	83	258346	19.867	ug/L		99
32) 1,1,1-trichloroethane	10.66	97	178356	16.933	ug/L		98
33) carbon tetrachloride	11.23	117	120016	13.185	ug/L		99
34) 1,1-dichloropropene	11.02	75	208357	20.001	ug/L		98
36) tert-amyl methyl ether (TA	11.29	73	308004	18.493	ug/L	#	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1711\SA081705.D Vial: 5
Acq On : 17 Aug 2011 1:06 pm Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 17 14:19:55 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

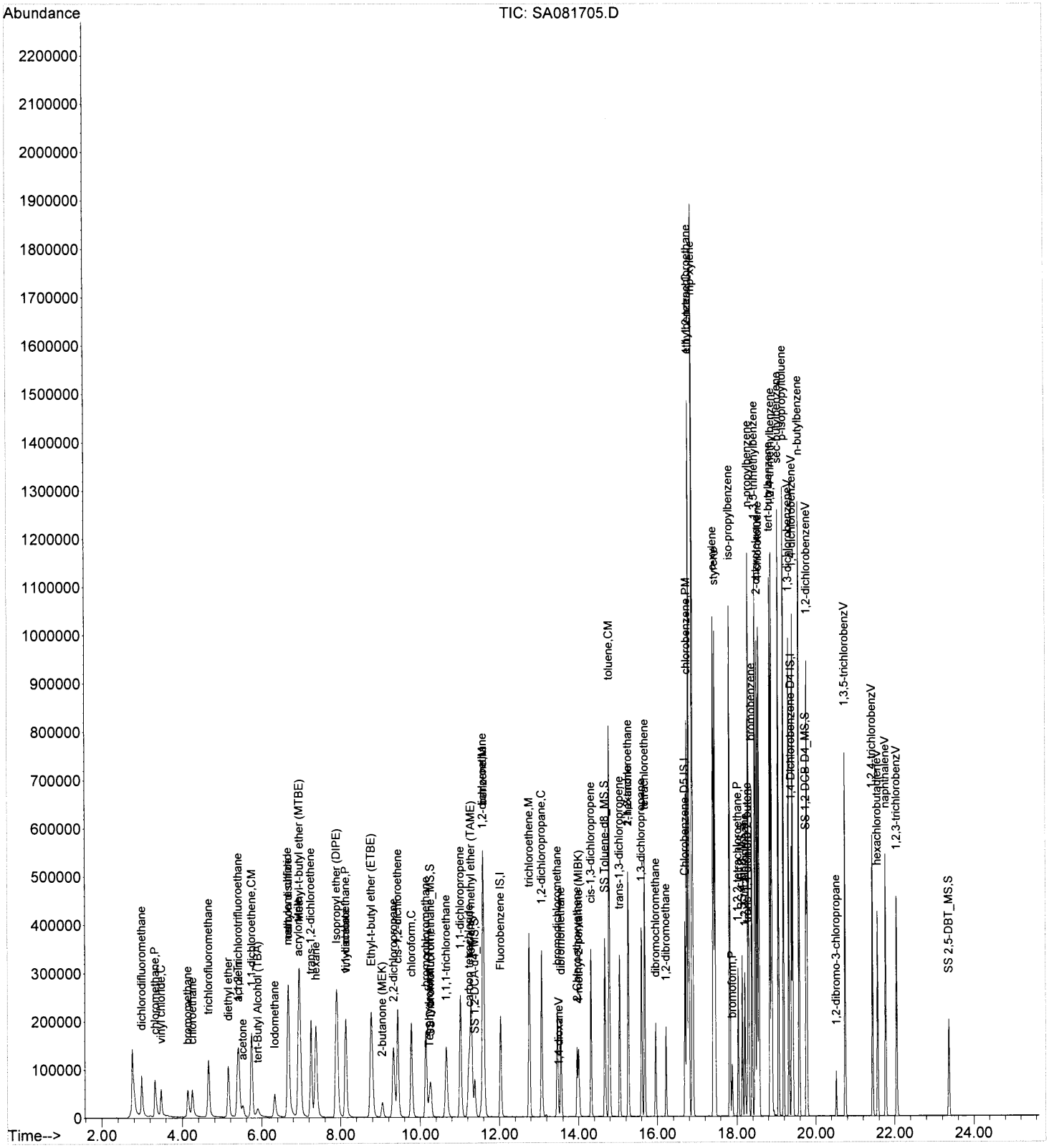
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	benzene	11.60	78	634731	20.117	ug/L		99
38)	1,2-dichloroethane	11.58	62	196655	20.860	ug/L		100
39)	trichloroethene	12.76	95	158974	19.778	ug/L		98
40)	1,2-dichloropropane	13.08	63	164475	19.967	ug/L		98
41)	1,4-dioxaneV	13.51	88	2587	40.784	ug/L		90
42)	dibromomethane	13.55	93	86988	20.312	ug/L		99
43)	bromodichloromethane	13.47	83	163282	18.828	ug/L		99
44)	2-Chloroethoxyethene	13.97	63	65027	17.331	ug/L		99
45)	4-methyl-2-pentanone (MIBK	14.01	58	47457	21.064	ug/L	#	78
46)	cis-1,3-dichloropropene	14.32	75	194825	18.493	ug/L		96
49)	toluene	14.79	91	678560	20.506	ug/L		99
50)	trans-1,3-dichloropropene	15.04	75	163544	18.191	ug/L		97
51)	1,1,2-trichloroethane	15.26	83	104027	20.991	ug/L		99
52)	2-hexanone	15.26	43	91786	23.543	ug/L		97
53)	tetrachloroethene	15.69	166	166604	19.738	ug/L		97
54)	1,3-dichloropropane	15.60	76	209261	20.772	ug/L		96
55)	dibromochloromethane	15.96	129	103546	15.612	ug/L	#	100
56)	1,2-dibromoethane	16.22	107	123775	20.349	ug/L		100
57)	chlorobenzene	16.75	112	448421	20.257	ug/L		99
58)	1,1,1,2-tetrachloroethane	16.79	131	114840	18.373	ug/L		99
59)	ethylbenzene	16.79	91	773871	21.426	ug/L		100
60)	mp-xylene	16.89	106	615171	42.883	ug/L		99
61)	o-xylene	17.42	106	301718	21.166	ug/L		99
62)	styrene	17.46	104	505333	21.150	ug/L		98
63)	bromoform	17.89	173	48511	14.484	ug/L		98
64)	iso-propylbenzene	17.83	105	717459	21.006	ug/L		99
67)	bromobenzene	18.38	156	184988	20.241	ug/L		96
68)	1,1,2,2-tetrachloroethane	18.04	83	143765	21.104	ug/L		99
69)	1,2,3-trichloropropane	18.21	110	43197	21.304	ug/L		99
70)	trans-1,4-dichloro-2-buten	18.27	75	17939	15.636	ug/L	#	67
71)	n-propylbenzene	18.29	91	901932	21.582	ug/L		100
72)	2-chlorotoluene	18.52	91	549036	21.174	ug/L		99
73)	4-chlorotoluene	18.56	91	535622	21.133	ug/L		100
74)	1,3,5-trimethylbenzene	18.46	105	640265	21.513	ug/L		100
75)	tert-butylbenzene	18.84	119	543812	21.039	ug/L		99
76)	1,2,4-trimethylbenzene	18.89	105	654975	21.528	ug/L		100
77)	sec-butylbenzene	19.06	105	802835	21.632	ug/L		100
78)	1,3-dichlorobenzeneV	19.32	146	352171	20.734	ug/L		98
79)	p-isopropyltoluene	19.19	119	677881	21.789	ug/L		100
80)	1,4-dichlorobenzeneV	19.42	146	356182	21.084	ug/L		97
81)	1,2-dichlorobenzeneV	19.78	146	325781	20.896	ug/L		96
82)	n-butylbenzene	19.58	91	593944	22.193	ug/L		99
84)	1,2-dibromo-3-chloropropan	20.52	157	21111	16.680	ug/L		96
85)	1,3,5-trichlorobenzV	20.75	180	219323	20.586	ug/L		99
86)	1,2,4-trichlorobenzV	21.44	180	185555	20.754	ug/L		99
87)	hexachlorobutadieneV	21.56	225	85438	19.720	ug/L		98
88)	naphthaleneV	21.77	128	458327	22.062	ug/L		100
89)	1,2,3-trichlorobenzV	22.06	180	161543	20.696	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1711\SA081705.D Vial: 5
Acq On : 17 Aug 2011 1:06 pm Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 17 14:21 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1711\SA081707.D Vial: 7
Acq On : 17 Aug 2011 2:14 pm Operator: VG
Sample : BlnkA081711VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 07:14:47 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

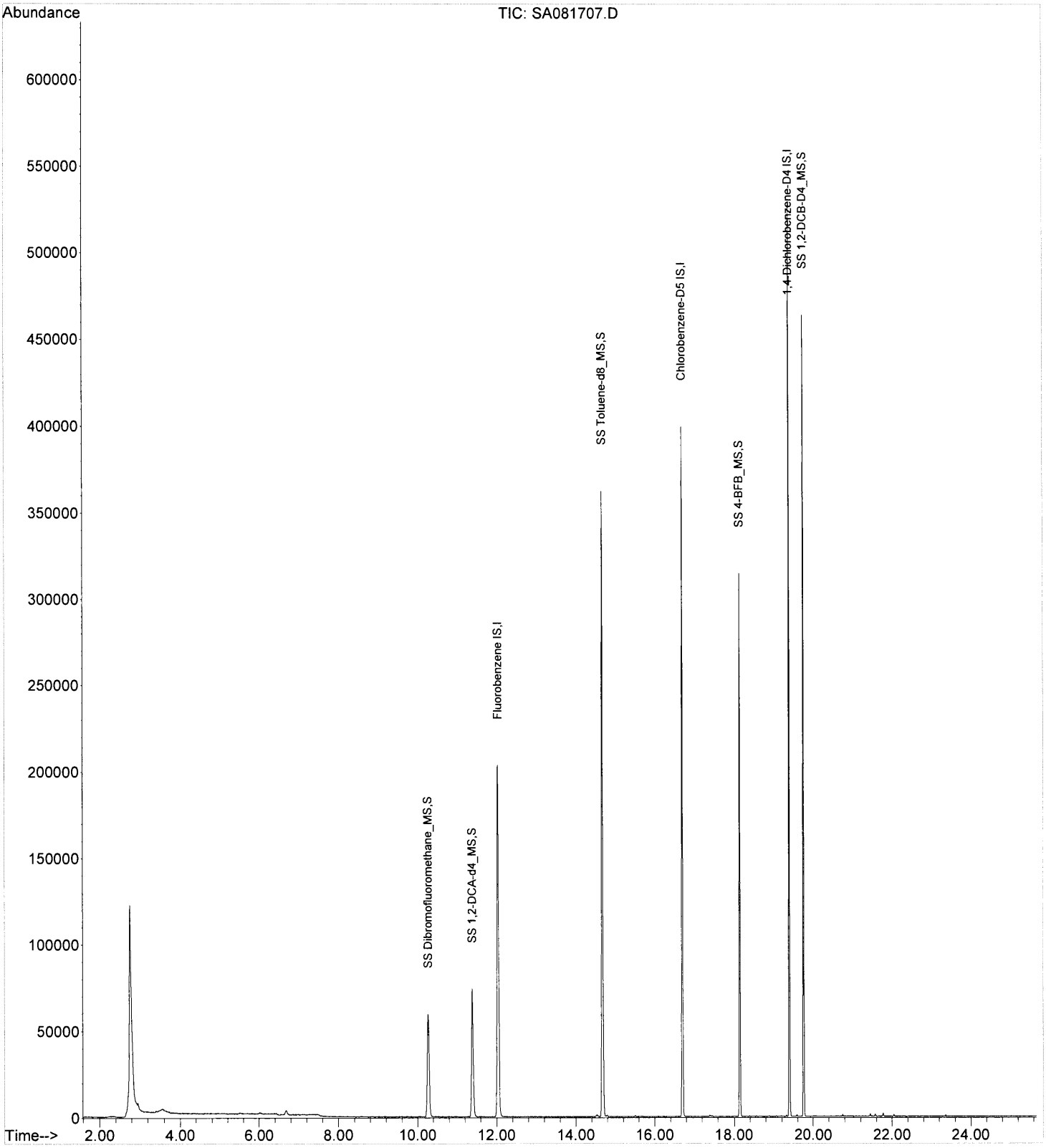
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	279555	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	218869	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	114310	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	65746	9.94	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.40%			
35) SS 1,2-DCA-d4_MS	11.39	65	74743	10.75	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.45%			
48) SS Toluene-d8_MS	14.67	98	277307	10.19	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.91%			
65) SS 4-BFB_MS	18.14	95	101382	9.81	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.07%			
83) SS 1,2-DCB-D4_MS	19.75	152	104641	10.38	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.76%			
90) SS 2,5-DBT_MS	23.36	250	226	0.09	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.21%#			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1711\SA081707.D Vial: 7
Acq On : 17 Aug 2011 2:14 pm Operator: VG
Sample : BlnkA081711VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 22 14:16 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1711\SA081717.D Vial: 17
Acq On : 17 Aug 2011 8:06 pm Operator: VG
Sample : LCSaA081711VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 07:11:44 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	268891	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	213108	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	115882	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	64434	10.13	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.28%			
35) SS 1,2-DCA-d4_MS	11.39	65	72190	10.79	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.90%			
48) SS Toluene-d8_MS	14.67	98	271588	10.25	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.51%			
65) SS 4-BFB_MS	18.14	95	101041	10.04	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.38%			
83) SS 1,2-DCB-D4_MS	19.76	152	104373	10.21	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.09%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	150598	20.634	ug/L	100
3) chloromethane	3.33	50	181145	21.584	ug/L	100
4) vinyl chloride	3.48	62	110824	26.698	ug/L	99
5) bromomethane	4.13	94	79403	19.641	ug/L	100
6) chloroethane	4.25	64	91699	22.324	ug/L	99
7) trichlorofluoromethane	4.65	101	199816	22.295	ug/L	99
8) diethyl ether	5.14	59	99193	19.184	ug/L	99
9) 1,1,2-Trichlorotrifluoroet	5.41	101	120117	18.825	ug/L	99
11) acetone	5.52	43	28032	14.584	ug/L	95
12) 1,1-dichloroethene	5.74	96	114683	19.364	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.90	59	29483	72.490	ug/L	92
14) Iodomethane	6.33	142	118051	18.822	ug/L #	98
15) methylene chloride	6.66	84	128953	19.277	ug/L	97
16) carbon disulfide	6.69	76	317358	15.856	ug/L	99
17) acrylonitrile	6.93	53	43841	18.191	ug/L	94
18) Methyl-t-butyl ether (MTBE	6.96	73	263672	18.717	ug/L	96
19) trans-1,2-dichloroethene	7.25	96	129976	19.791	ug/L	98
21) Isopropyl ether (DIPE)	7.90	45	505108	20.328	ug/L	98
22) vinyl acetate	8.15	43	169102	18.465	ug/L	99
23) 1,1-dichloroethane	8.13	63	259201	20.151	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	8.77	59	329164	16.594	ug/L #	94
25) 2,2-dichloropropane	9.34	77	95613	11.070	ug/L #	61
26) cis-1,2-dichloroethene	9.43	61	219384	21.167	ug/L	94
27) 2-butanone (MEK)	9.04	43	51315	17.332	ug/L	97
28) bromochloromethane	10.14	128	72622	19.874	ug/L	95
29) Tetrahydrofuran (THF)	10.22	42	33564	19.448	ug/L	98
30) chloroform	9.78	83	247020	20.418	ug/L	99
32) 1,1,1-trichloroethane	10.67	97	162414	16.575	ug/L	97
33) carbon tetrachloride	11.23	117	107083	12.701	ug/L	99
34) 1,1-dichloropropene	11.02	75	194745	20.094	ug/L	97
36) tert-amyl methyl ether (TA	11.29	73	280279	18.089	ug/L #	50
37) benzene	11.60	78	602012	20.510	ug/L	99
38) 1,2-dichloroethane	11.58	62	183857	20.963	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1711\SA081717.D Vial: 17
Acq On : 17 Aug 2011 8:06 pm Operator: VG
Sample : LCSaA081711VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 07:11:44 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

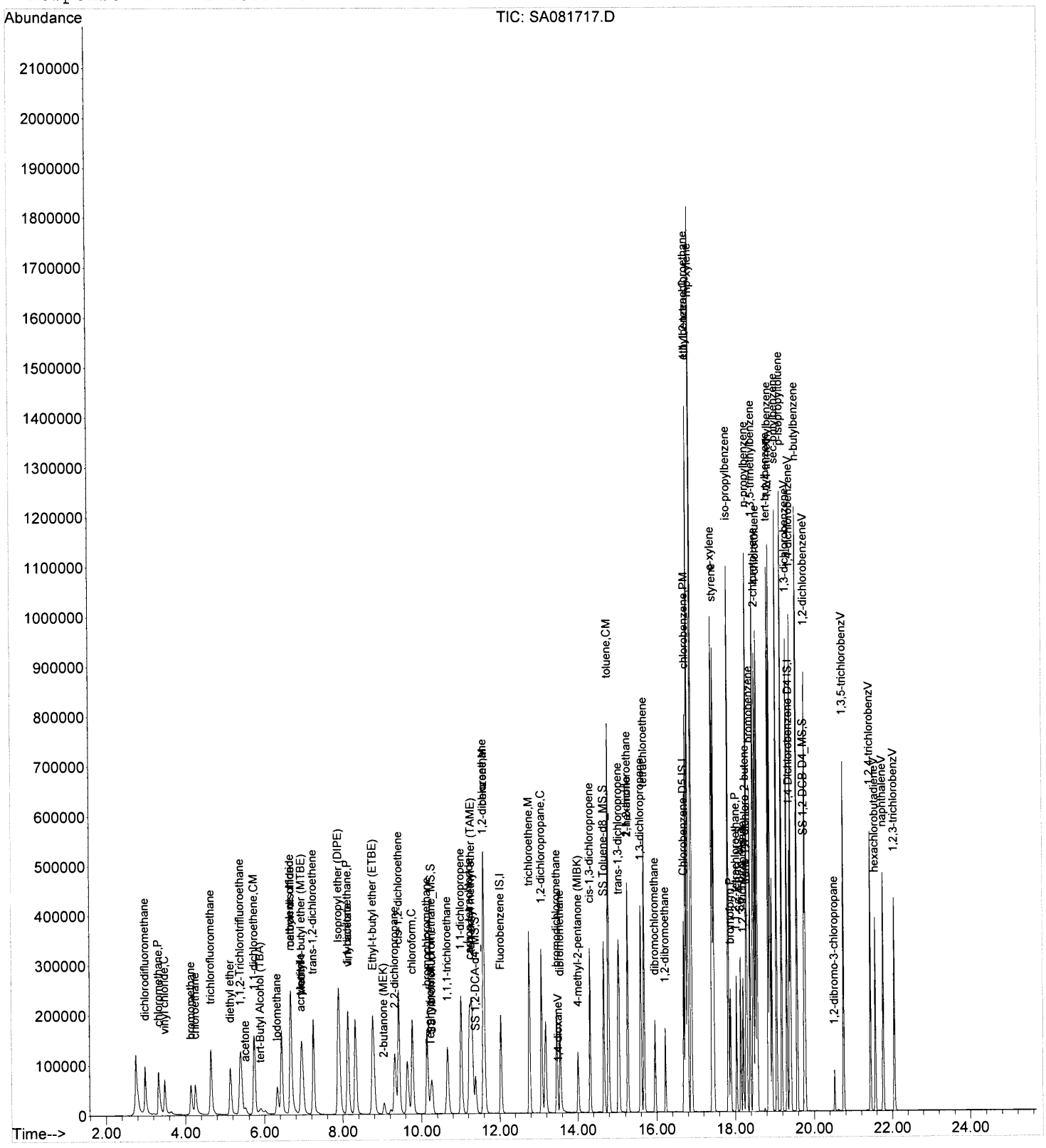
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.76	95	152890	20.446	ug/L		97
40)	1,2-dichloropropane	13.08	63	156043	20.362	ug/L		97
41)	1,4-dioxaneV	13.51	88	1150m	19.488	ug/L		
42)	dibromomethane	13.55	93	81324	20.412	ug/L		97
43)	bromodichloromethane	13.47	83	149856	18.575	ug/L		99
45)	4-methyl-2-pentanone (MIBK	14.00	58	39722	18.951	ug/L	#	75
46)	cis-1,3-dichloropropene	14.32	75	180780	18.445	ug/L		96
49)	toluene	14.79	91	650803	20.834	ug/L		99
50)	trans-1,3-dichloropropene	15.04	75	140848	16.596	ug/L	#	72
51)	1,1,2-trichloroethane	15.26	83	99280	21.222	ug/L		99
52)	2-hexanone	15.27	43	70887	19.261	ug/L		97
53)	tetrachloroethene	15.69	166	174236	21.868	ug/L		98
54)	1,3-dichloropropane	15.60	76	196847	20.699	ug/L	#	83
55)	dibromochloromethane	15.96	129	98095	15.663	ug/L	#	99
56)	1,2-dibromoethane	16.22	107	112267	19.552	ug/L		100
57)	chlorobenzene	16.75	112	432963	20.719	ug/L		98
58)	1,1,1,2-tetrachloroethane	16.79	131	105413	17.866	ug/L		99
59)	ethylbenzene	16.79	91	743659	21.812	ug/L		99
60)	mp-xylene	16.89	106	586690	43.325	ug/L		99
61)	o-xylene	17.42	106	287134	21.339	ug/L		98
62)	styrene	17.46	104	471940	20.924	ug/L		98
63)	bromoform	17.89	173	46810	14.731	ug/L	#	92
64)	iso-propylbenzene	17.83	105	742686	23.035	ug/L		99
67)	bromobenzene	18.38	156	176288	20.431	ug/L		97
68)	1,1,2,2-tetrachloroethane	18.04	83	126287	19.635	ug/L		99
69)	1,2,3-trichloropropane	18.21	110	38805	20.270	ug/L		99
70)	trans-1,4-dichloro-2-buten	18.27	75	31471	26.156	ug/L	#	79
71)	n-propylbenzene	18.29	91	868917	22.022	ug/L		99
72)	2-chlorotoluene	18.52	91	516114	21.082	ug/L		99
73)	4-chlorotoluene	18.56	91	507045	21.189	ug/L		99
74)	1,3,5-trimethylbenzene	18.46	105	613389	21.830	ug/L		99
75)	tert-butylbenzene	18.85	119	526406	21.571	ug/L		99
76)	1,2,4-trimethylbenzene	18.89	105	631755	21.993	ug/L		100
77)	sec-butylbenzene	19.06	105	773136	22.065	ug/L		99
78)	1,3-dichlorobenzeneV	19.32	146	337202	21.027	ug/L		98
79)	p-isopropyltoluene	19.19	119	649080	22.097	ug/L		100
80)	1,4-dichlorobenzeneV	19.42	146	340385	21.341	ug/L		97
81)	1,2-dichlorobenzeneV	19.78	146	309657	21.037	ug/L		96
82)	n-butylbenzene	19.58	91	557209	22.052	ug/L		99
84)	1,2-dibromo-3-chloropropan	20.52	157	18872	15.945	ug/L		97
85)	1,3,5-trichlorobenzV	20.75	180	204230	20.303	ug/L		98
86)	1,2,4-trichlorobenzV	21.44	180	177006	20.969	ug/L		99
87)	hexachlorobutadieneV	21.56	225	76983	18.820	ug/L		97
88)	naphthaleneV	21.76	128	410023	20.905	ug/L		100
89)	1,2,3-trichlorobenzV	22.05	180	147979	20.080	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1711\SA081717.D Vial: 17
Acq On : 17 Aug 2011 8:06 pm Operator: VG
Sample : LCSaA081711VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 22 14:17 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1711\SA081718.D Vial: 18
Acq On : 17 Aug 2011 8:41 pm Operator: VG
Sample : LCSDA081711VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 07:13:26 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	273555	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	216751	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	117166	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	66090	10.21	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.11%			
35) SS 1,2-DCA-d4_MS	11.39	65	73215	10.76	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.57%			
48) SS Toluene-d8_MS	14.67	98	274691	10.19	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.93%			
65) SS 4-BFB_MS	18.14	95	103557	10.11	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.15%			
83) SS 1,2-DCB-D4_MS	19.76	152	107436	10.39	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.94%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	155759	20.977	ug/L	99
3) chloromethane	3.33	50	184245	21.579	ug/L	100
4) vinyl chloride	3.48	62	111545	26.414	ug/L	99
5) bromomethane	4.13	94	83939	20.409	ug/L	98
6) chloroethane	4.25	64	95818	22.929	ug/L	99
7) trichlorofluoromethane	4.65	101	208854	22.906	ug/L	99
8) diethyl ether	5.15	59	106052	20.161	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	5.40	101	124771	19.221	ug/L	99
11) acetone	5.51	43	30805	15.753	ug/L	96
12) 1,1-dichloroethene	5.74	96	117993	19.584	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.90	59	36307	87.747	ug/L #	86
14) Iodomethane	6.32	142	133048	20.536	ug/L #	98
15) methylene chloride	6.66	84	132691	19.498	ug/L	97
16) carbon disulfide	6.69	76	327423	16.080	ug/L	98
17) acrylonitrile	6.93	53	46358	18.907	ug/L	96
18) Methyl-t-butyl ether (MTBE	6.96	73	283207	19.761	ug/L	96
19) trans-1,2-dichloroethene	7.25	96	133772	20.022	ug/L	98
21) Isopropyl ether (DIPE)	7.90	45	522199	20.658	ug/L	98
22) vinyl acetate	8.14	43	206011	22.112	ug/L	99
23) 1,1-dichloroethane	8.13	63	267380	20.433	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	8.76	59	374113	18.538	ug/L #	96
25) 2,2-dichloropropane	9.33	77	118874	13.528	ug/L #	76
26) cis-1,2-dichloroethene	9.44	61	227445	21.571	ug/L	94
27) 2-butanone (MEK)	9.05	43	55387	18.388	ug/L	97
28) bromochloromethane	10.15	128	75207	20.230	ug/L	96
29) Tetrahydrofuran (THF)	10.22	42	36473	20.773	ug/L	98
30) chloroform	9.78	83	255482	20.758	ug/L	99
32) 1,1,1-trichloroethane	10.66	97	184538	18.512	ug/L	98
33) carbon tetrachloride	11.23	117	129876	14.880	ug/L	99
34) 1,1-dichloropropene	11.02	75	200063	20.291	ug/L	98
36) tert-amyl methyl ether (TA	11.29	73	307744	19.523	ug/L #	51
37) benzene	11.60	78	615563	20.614	ug/L	99
38) 1,2-dichloroethane	11.59	62	189426	21.230	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1711\SA081718.D Vial: 18
Acq On : 17 Aug 2011 8:41 pm Operator: VG
Sample : LCSDA081711VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 07:13:26 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

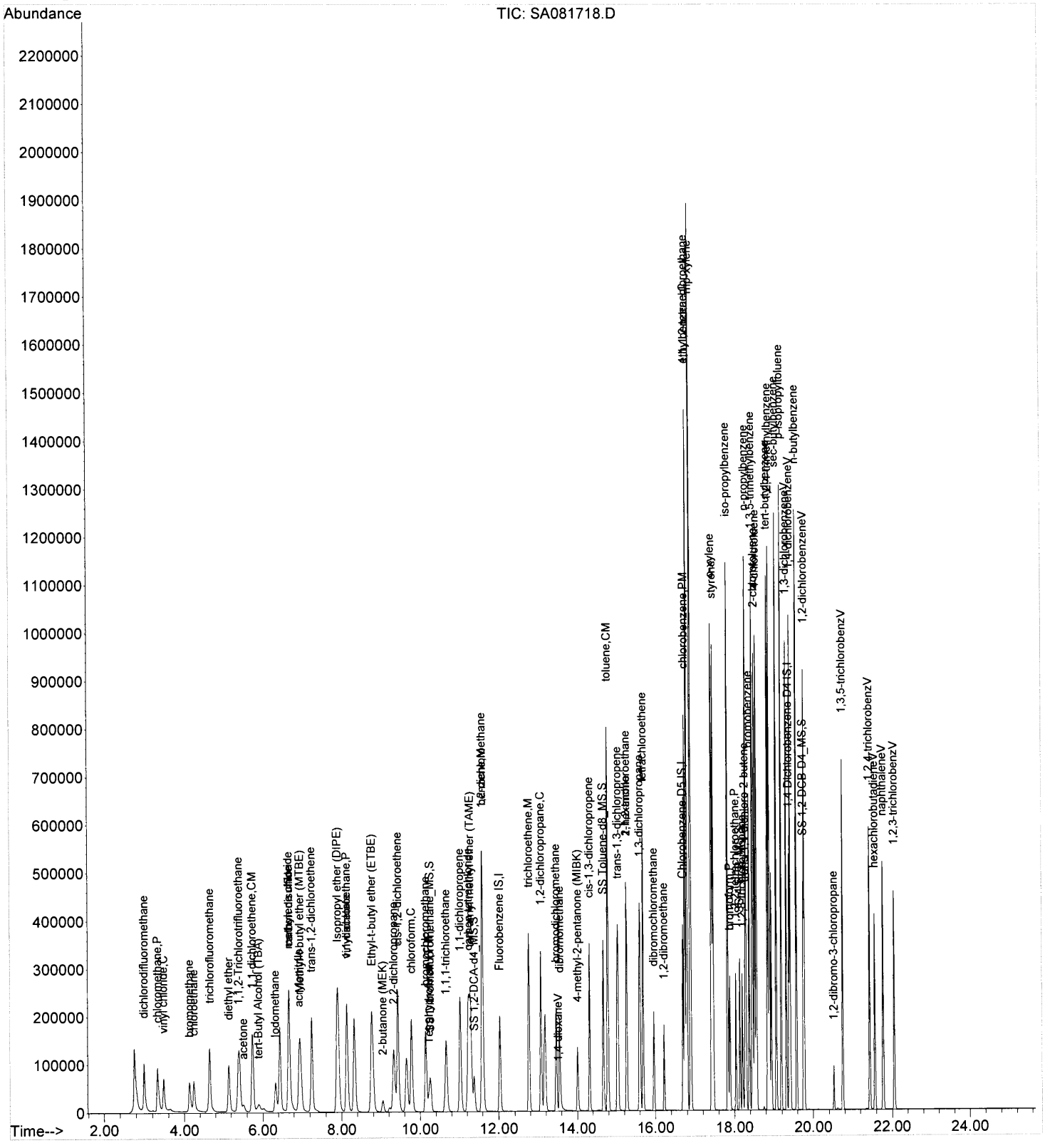
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	trichloroethene	12.76	95	156183	20.530	ug/L	98
40)	1,2-dichloropropane	13.08	63	161124	20.667	ug/L	98
41)	1,4-dioxaneV	13.51	88	1340m	22.321	ug/L	
42)	dibromomethane	13.56	93	84003	20.724	ug/L	98
43)	bromodichloromethane	13.47	83	162892	19.846	ug/L	100
45)	4-methyl-2-pentanone (MIBK	14.00	58	44168	20.713	ug/L #	77
46)	cis-1,3-dichloropropene	14.32	75	196774	19.735	ug/L	96
49)	toluene	14.79	91	663840	20.894	ug/L	100
50)	trans-1,3-dichloropropene	15.04	75	159818	18.515	ug/L #	73
51)	1,1,2-trichloroethane	15.26	83	102437	21.529	ug/L	98
52)	2-hexanone	15.27	43	77515	20.708	ug/L	97
53)	tetrachloroethene	15.69	166	177666	21.923	ug/L	96
54)	1,3-dichloropropane	15.60	76	204595	21.152	ug/L #	81
55)	dibromochloromethane	15.96	129	109989	17.137	ug/L #	100
56)	1,2-dibromoethane	16.22	107	119458	20.455	ug/L	99
57)	chlorobenzene	16.75	112	444420	20.910	ug/L	98
58)	1,1,1,2-tetrachloroethane	16.79	131	116749	19.455	ug/L	99
59)	ethylbenzene	16.79	91	760774	21.939	ug/L	99
60)	mp-xylene	16.89	106	602695	43.759	ug/L	99
61)	o-xylene	17.42	106	293713	21.461	ug/L	99
62)	styrene	17.46	104	484491	21.120	ug/L	98
63)	bromoform	17.89	173	55272	16.567	ug/L #	92
64)	iso-propylbenzene	17.83	105	772850	23.568	ug/L	99
67)	bromobenzene	18.38	156	180484	20.688	ug/L	97
68)	1,1,2,2-tetrachloroethane	18.03	83	133813	20.577	ug/L	99
69)	1,2,3-trichloropropane	18.21	110	40945	21.154	ug/L	98
70)	trans-1,4-dichloro-2-buten	18.27	75	36637	29.604	ug/L #	80
71)	n-propylbenzene	18.29	91	894808	22.429	ug/L	99
72)	2-chlorotoluene	18.52	91	532073	21.495	ug/L	99
73)	4-chlorotoluene	18.56	91	523890	21.653	ug/L	99
74)	1,3,5-trimethylbenzene	18.46	105	627216	22.077	ug/L	99
75)	tert-butylbenzene	18.85	119	542470	21.985	ug/L	99
76)	1,2,4-trimethylbenzene	18.89	105	655717	22.577	ug/L	100
77)	sec-butylbenzene	19.06	105	798336	22.534	ug/L	100
78)	1,3-dichlorobenzeneV	19.32	146	351483	21.677	ug/L	99
79)	p-isopropyltoluene	19.19	119	671439	22.608	ug/L	100
80)	1,4-dichlorobenzeneV	19.42	146	350435	21.731	ug/L	96
81)	1,2-dichlorobenzeneV	19.78	146	320936	21.564	ug/L	97
82)	n-butylbenzene	19.58	91	576890	22.581	ug/L	99
84)	1,2-dibromo-3-chloropropan	20.52	157	22047	17.980	ug/L	98
85)	1,3,5-trichlorobenzV	20.75	180	214209	21.062	ug/L	99
86)	1,2,4-trichlorobenzV	21.44	180	186403	21.840	ug/L	99
87)	hexachlorobutadieneV	21.56	225	81653	19.743	ug/L	97
88)	naphthaleneV	21.76	128	439273	22.151	ug/L	100
89)	1,2,3-trichlorobenzV	22.05	180	156623	21.020	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\AUG1711\SA081718.D Vial: 18
Acq On : 17 Aug 2011 8:41 pm Operator: VG
Sample : LCSDA081711VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 22 14:18 2011 Quant Results File: 5VID0811.RES

Method : W:\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG1711\SA081708.D Vial: 8
Acq On : 17 Aug 2011 3:00 pm Operator: VG
Sample : 102343.02 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 07:08:13 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	278034	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	218047	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	113705	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.26	111	66511	10.11	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.10%			
35) SS 1,2-DCA-d4_MS	11.39	65	73226	10.58	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.85%			
48) SS Toluene-d8_MS	14.67	98	279833	10.32	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.23%			
65) SS 4-BFB_MS	18.14	95	100515	9.76	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.59%			
83) SS 1,2-DCB-D4_MS	19.76	152	104345	10.40	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.02%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.52	43	2116	1.065	ug/L #	88
14) Iodomethane	6.33	142	40	~~2.929 ug/L #~~		14
18) Methyl-t-butyl ether (MTBE	6.96	73	9334	0.641	ug/L #	88
29) Tetrahydrofuran (THF)	10.24	42	773	~~0.433 ug/L #~~		49
70) trans-1,4-dichloro-2-buten	18.13	75	45720	~~37.103 ug/L~~	#	1

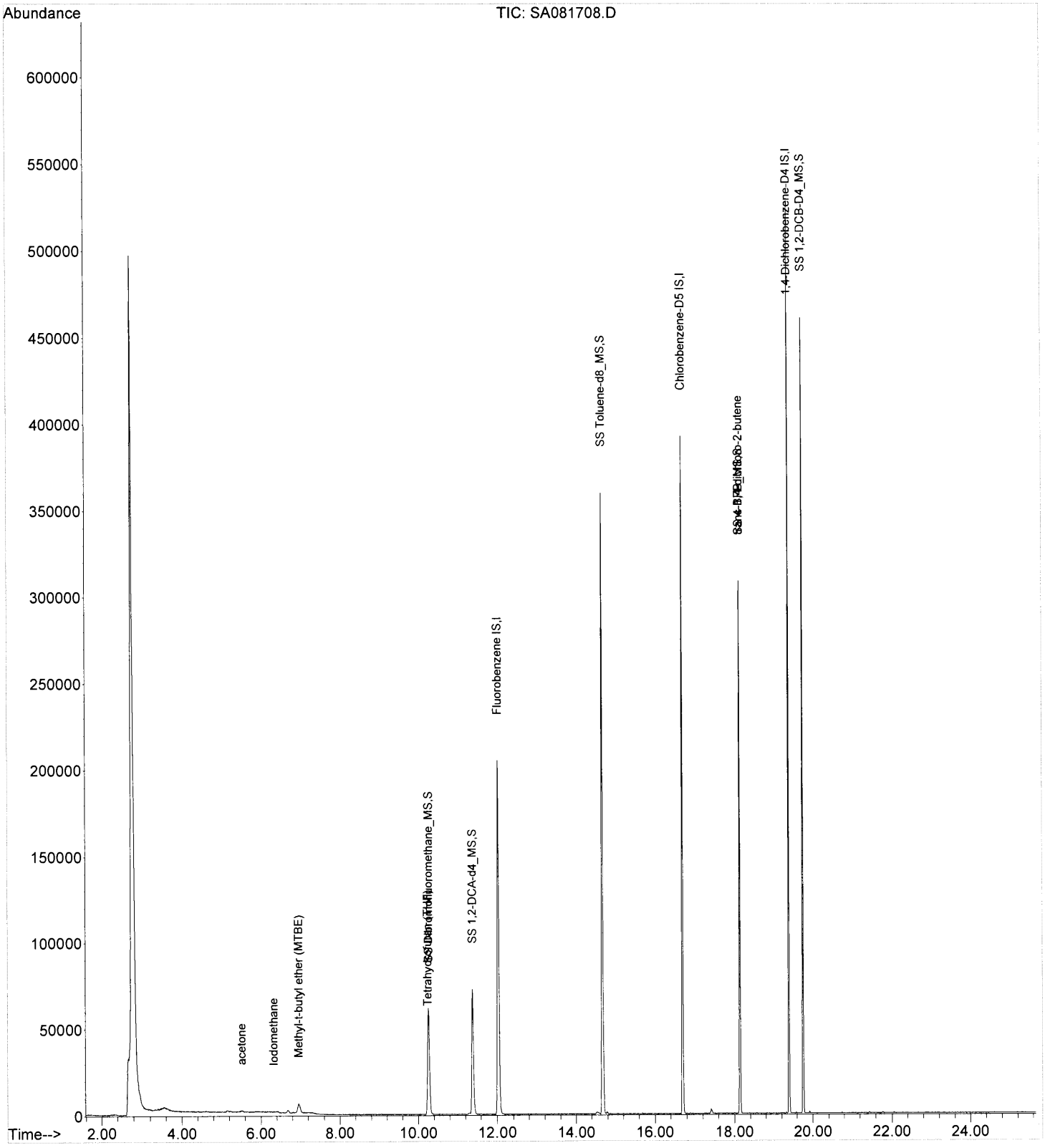
8/26/2011
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG1711\SA081708.D Vial: 8
Acq On : 17 Aug 2011 3:00 pm Operator: VG
Sample : 102343.02 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:08 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG1711\SA081709.D Vial: 9
Acq On : 17 Aug 2011 3:34 pm Operator: VG
Sample : 102343.07 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 07:08:23 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	277262	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	217337	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	114138	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	65375	9.97	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.65%			
35) SS 1,2-DCA-d4_MS	11.39	65	74641	10.82	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.19%			
48) SS Toluene-d8_MS	14.67	98	275372	10.19	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.91%			
65) SS 4-BFB_MS	18.14	95	101289	9.87	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.67%			
83) SS 1,2-DCB-D4_MS	19.76	152	105694	10.50	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.97%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.52	43	1253	0.632	ug/L #	52
70) trans-1,4-dichloro-2-buten	18.13	75	46286	~~37.391 ug/L~~	#	1

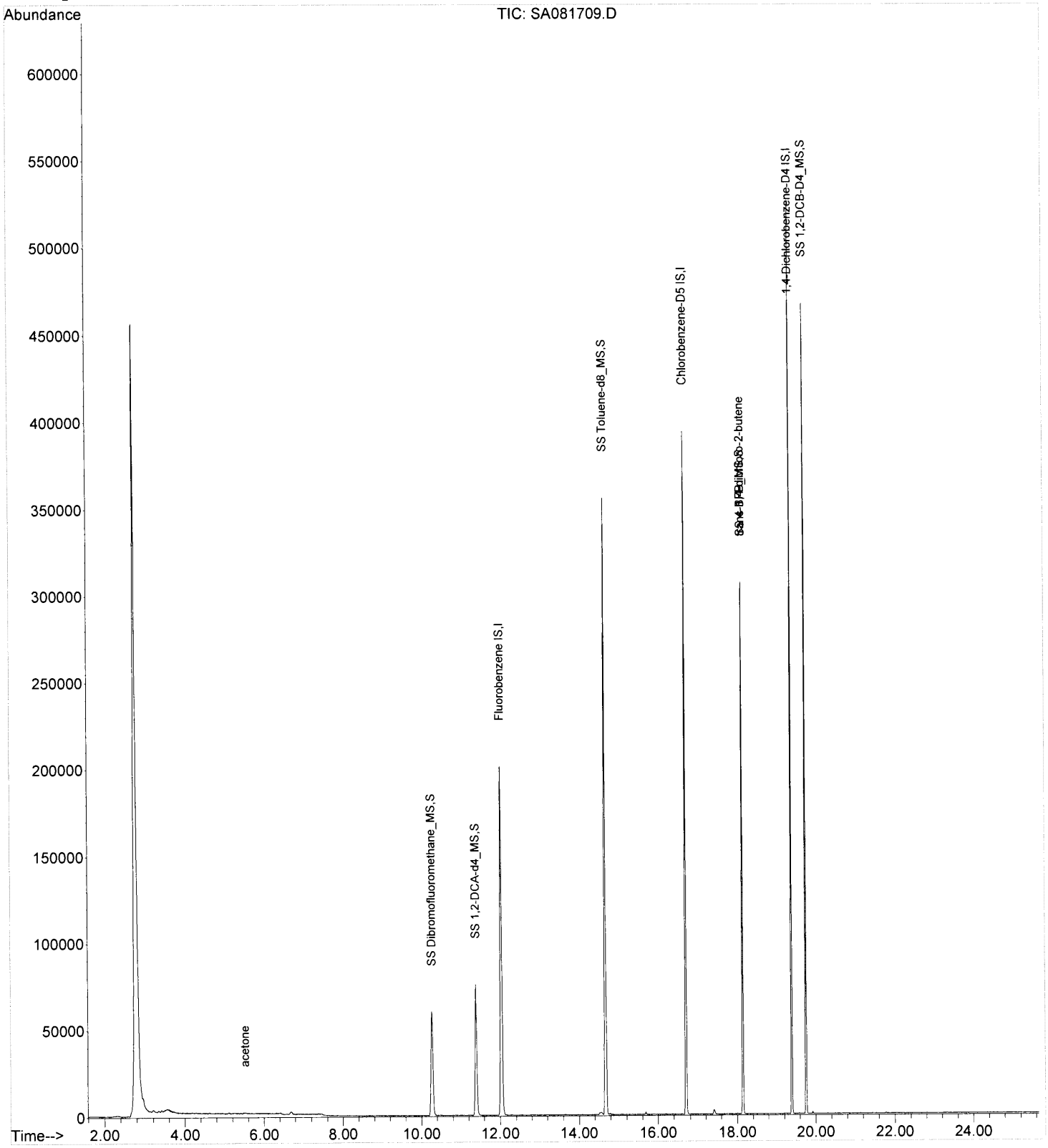
8/26/2011
WJB

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG1711\SA081709.D Vial: 9
Acq On : 17 Aug 2011 3:34 pm Operator: VG
Sample : 102343.07 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:08 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG1711\SA081710.D Vial: 10
Acq On : 17 Aug 2011 4:08 pm Operator: VG
Sample : 102343.08 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 07:08:27 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	273377	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	214471	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	113586	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	64581	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.84%			
35) SS 1,2-DCA-d4_MS	11.39	65	73519	10.81	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.08%			
48) SS Toluene-d8_MS	14.67	98	274549	10.30	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.97%			
65) SS 4-BFB_MS	18.14	95	100620	9.93	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.33%			
83) SS 1,2-DCB-D4_MS	19.76	152	103817	10.36	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.60%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.53	43	1836	0.940	ug/L #	70
70) trans-1,4-dichloro-2-buten	18.14	75	45805	~~37.201 ug/L~~	#	1

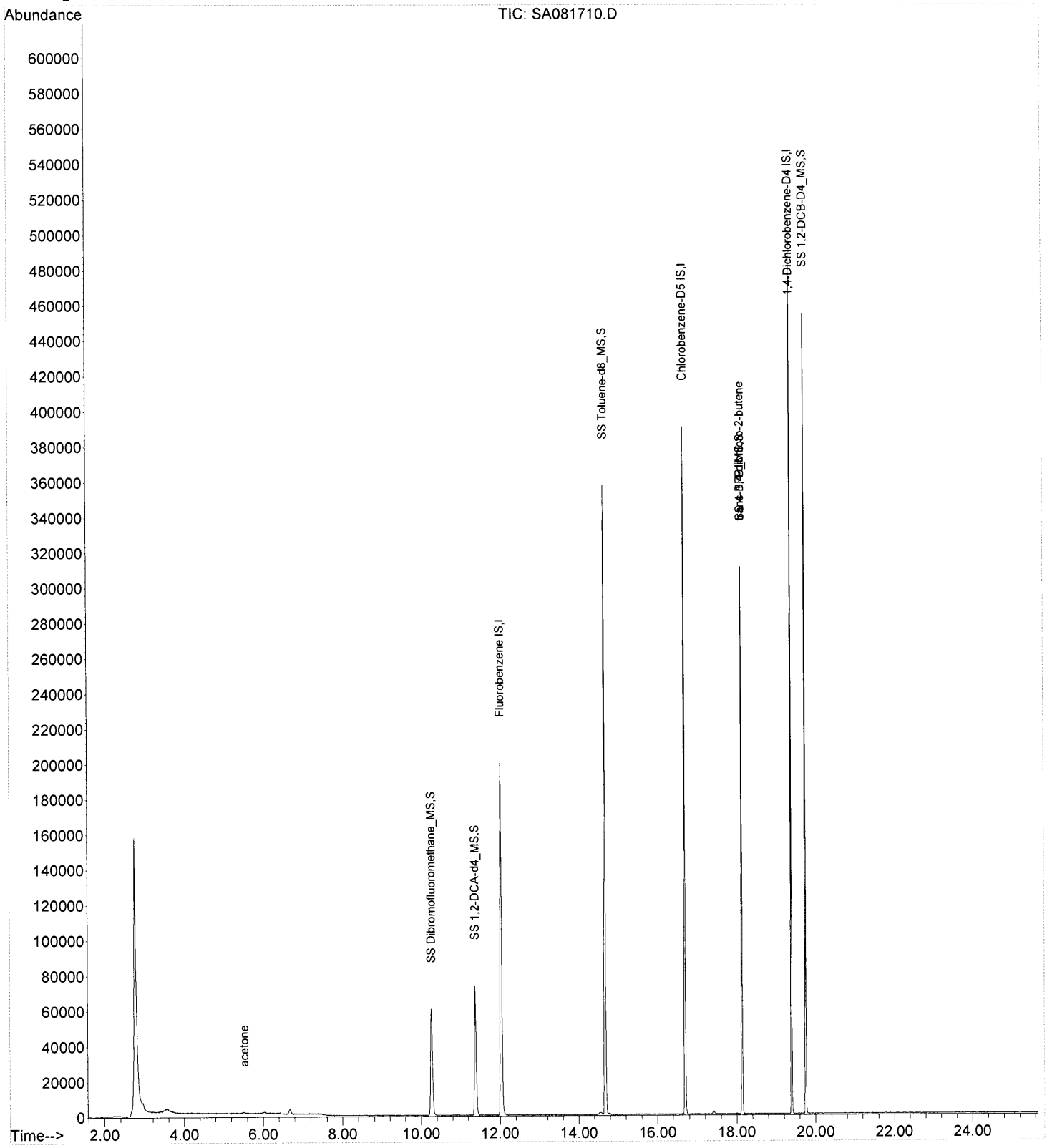
8/26/2011
WSP

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA081710.D 5VID0811.M Thu Aug 18 07:08:28 2011

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG1711\SA081710.D Vial: 10
Acq On : 17 Aug 2011 4:08 pm Operator: VG
Sample : 102343.08 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:08 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG1711\SA081711.D Vial: 11
Acq On : 17 Aug 2011 4:42 pm Operator: VG
Sample : 102343.10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 07:08:31 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	281316	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	220001	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	115104	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	66119	9.93	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.34%			
35) SS 1,2-DCA-d4_MS	11.39	65	75129	10.73	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.33%			
48) SS Toluene-d8_MS	14.67	98	278948	10.20	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.99%			
65) SS 4-BFB_MS	18.14	95	102428	9.86	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.57%			
83) SS 1,2-DCB-D4_MS	19.76	152	107339	10.57	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.71%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.51	43	1083	0.539	ug/L #	54
18) Methyl-t-butyl ether (MTBE	6.97	73	10202	0.692	ug/L #	92
29) Tetrahydrofuran (THF)	10.23	42	745	~~0.413 ug/L~~	#	44
36) tert-amyl methyl ether (TA	11.29	73	5656	0.349	ug/L #	80
70) trans-1,4-dichloro-2-buten	18.13	75	47203	~~37.773 ug/L~~	#	1

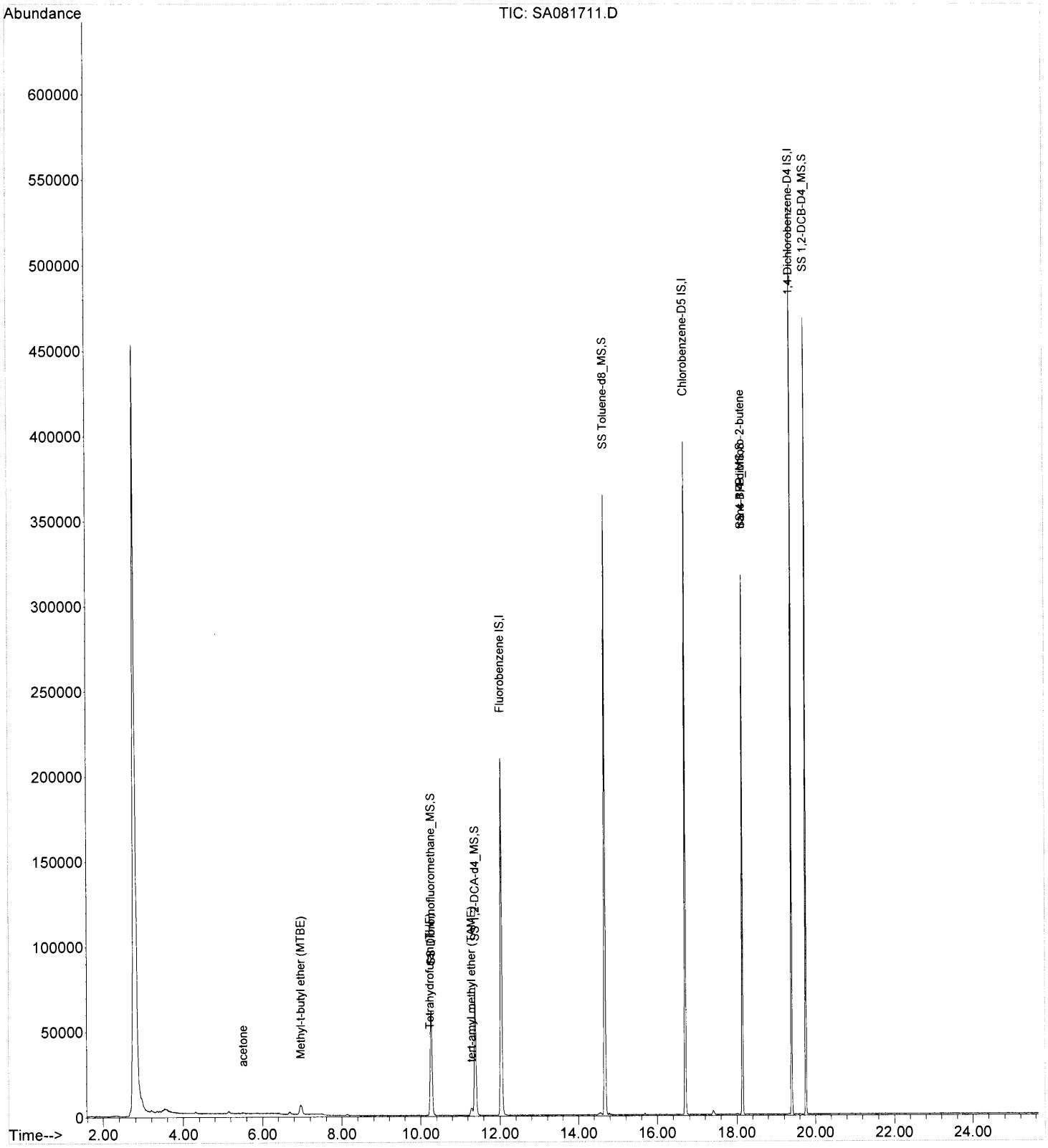
8/26/11
MP

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA081711.D 5VID0811.M Thu Aug 18 07:08:32 2011

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG1711\SA081711.D Vial: 11
Acq On : 17 Aug 2011 4:42 pm Operator: VG
Sample : 102343.10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:08 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG1711\SA081712.D Vial: 12
Acq On : 17 Aug 2011 5:16 pm Operator: VG
Sample : 102343.11 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 07:08:35 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	273234	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	215571	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	112958	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	65121	10.07	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.73%			
35) SS 1,2-DCA-d4_MS	11.39	65	74624	10.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.76%			
48) SS Toluene-d8_MS	14.67	98	274391	10.24	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.38%			
65) SS 4-BFB_MS	18.14	95	99402	9.76	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.62%			
83) SS 1,2-DCB-D4_MS	19.76	152	103451	10.38	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.81%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
29) Tetrahydrofuran (THF)	10.23	42	547	0.312	ug/L #	39
70) trans-1,4-dichloro-2-buten	18.13	75	46004	~~37.536~~	ug/L #	1

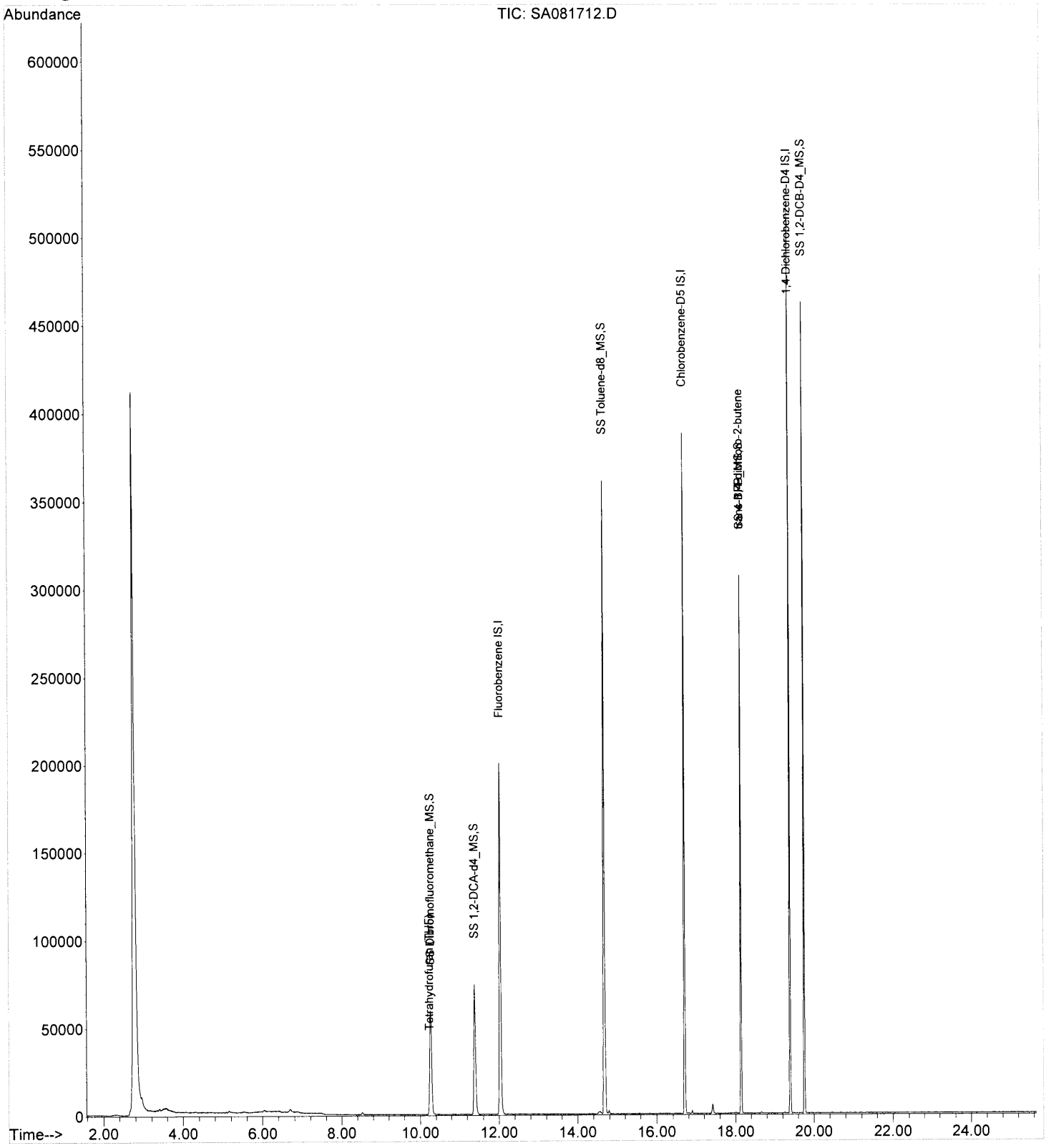
8/26/11
WSP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG1711\SA081712.D Vial: 12
Acq On : 17 Aug 2011 5:16 pm Operator: VG
Sample : 102343.11 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:08 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG1711\SA081713.D Vial: 13
Acq On : 17 Aug 2011 5:50 pm Operator: VG
Sample : 102343.12 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 07:08:39 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	273879	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	216487	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	112786	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	64641	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.75%			
35) SS 1,2-DCA-d4_MS	11.39	65	73540	10.79	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.92%			
48) SS Toluene-d8_MS	14.67	98	273442	10.16	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.60%			
65) SS 4-BFB_MS	18.14	95	100434	9.82	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.22%			
83) SS 1,2-DCB-D4_MS	19.76	152	104709	10.52	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.23%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.52	43	1195	0.610	ug/L #	46
70) trans-1,4-dichloro-2-buten	18.13	75	45623	~~37.305 ug/L~~	#	1

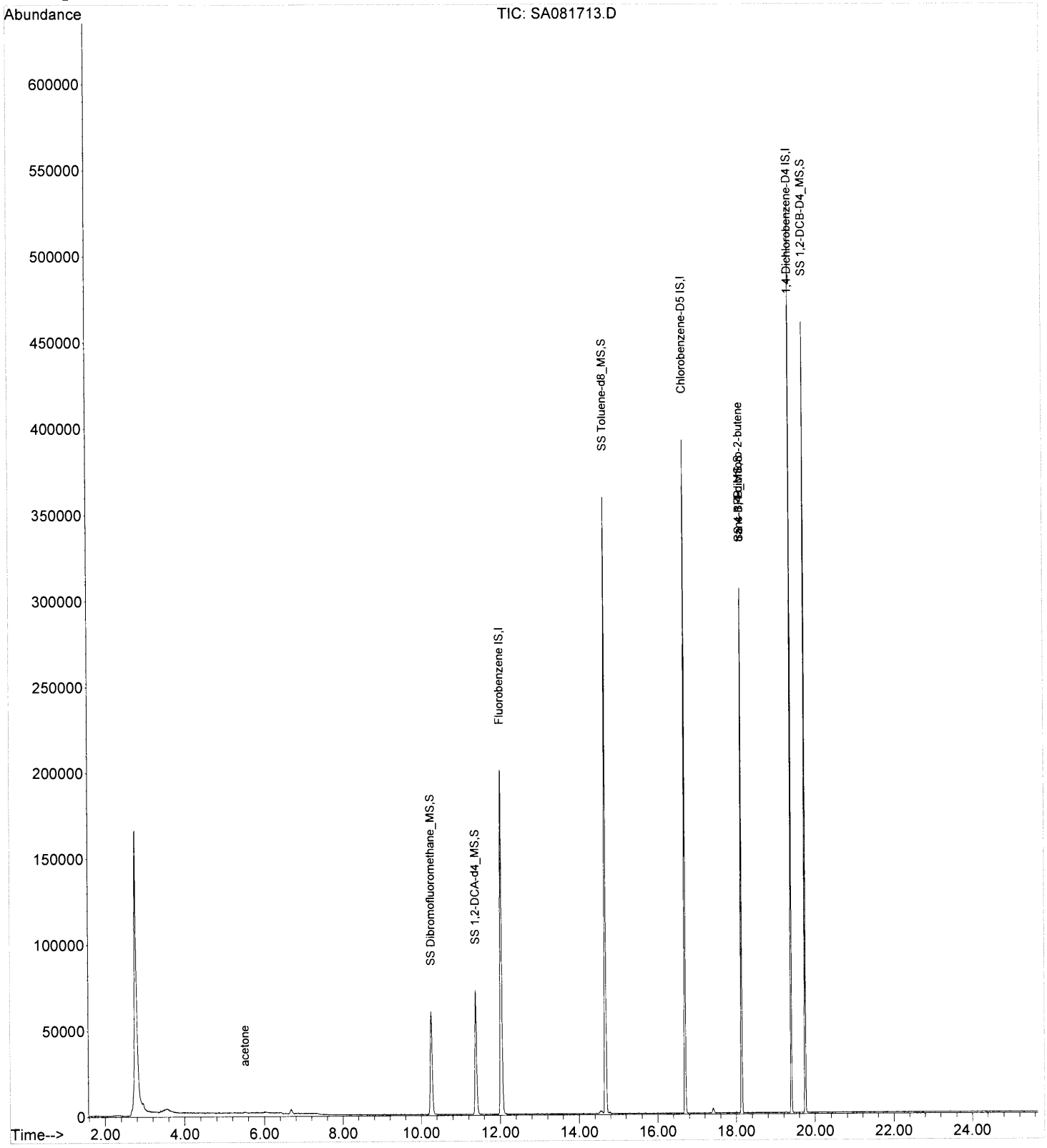
8/24/11
WSP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG1711\SA081713.D Vial: 13
Acq On : 17 Aug 2011 5:50 pm Operator: VG
Sample : 102343.12 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:08 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



1,4 Dioxane Analysis
Raw Sample and QC Data
102343

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082402.D Vial: 2
Acq On : 24 Aug 2011 10:08 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:57:48 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

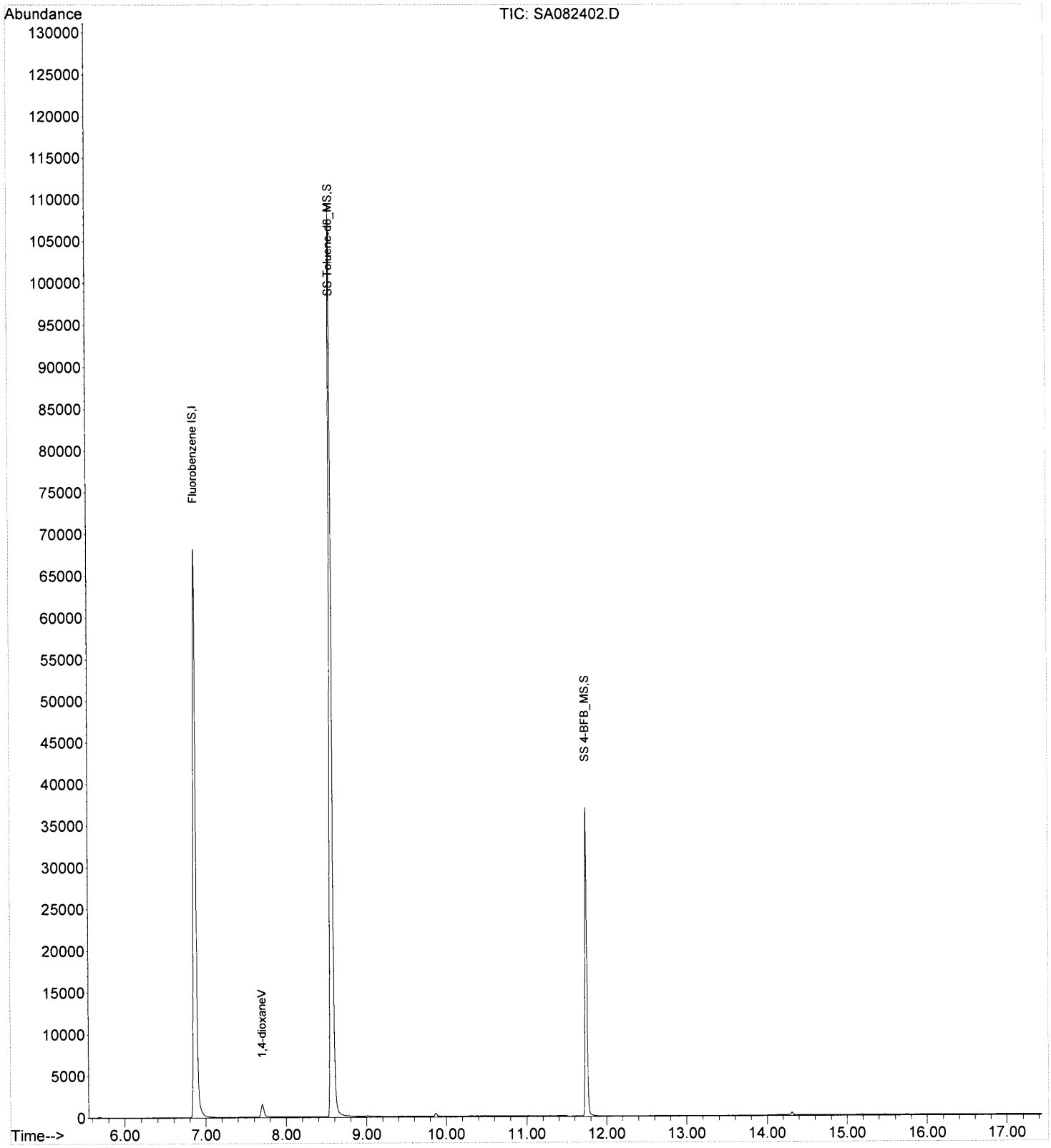
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	157272	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	132246	9.12	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.22%			
4) SS 4-BFB_MS	11.74	95	61676	10.13	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.34%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	2415m	4.000	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082402.D Vial: 2
Acq On : 24 Aug 2011 10:08 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:58 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082403.D Vial: 3
Acq On : 24 Aug 2011 10:56 am Operator: VG
Sample : LCSaA082411V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 11:51:58 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

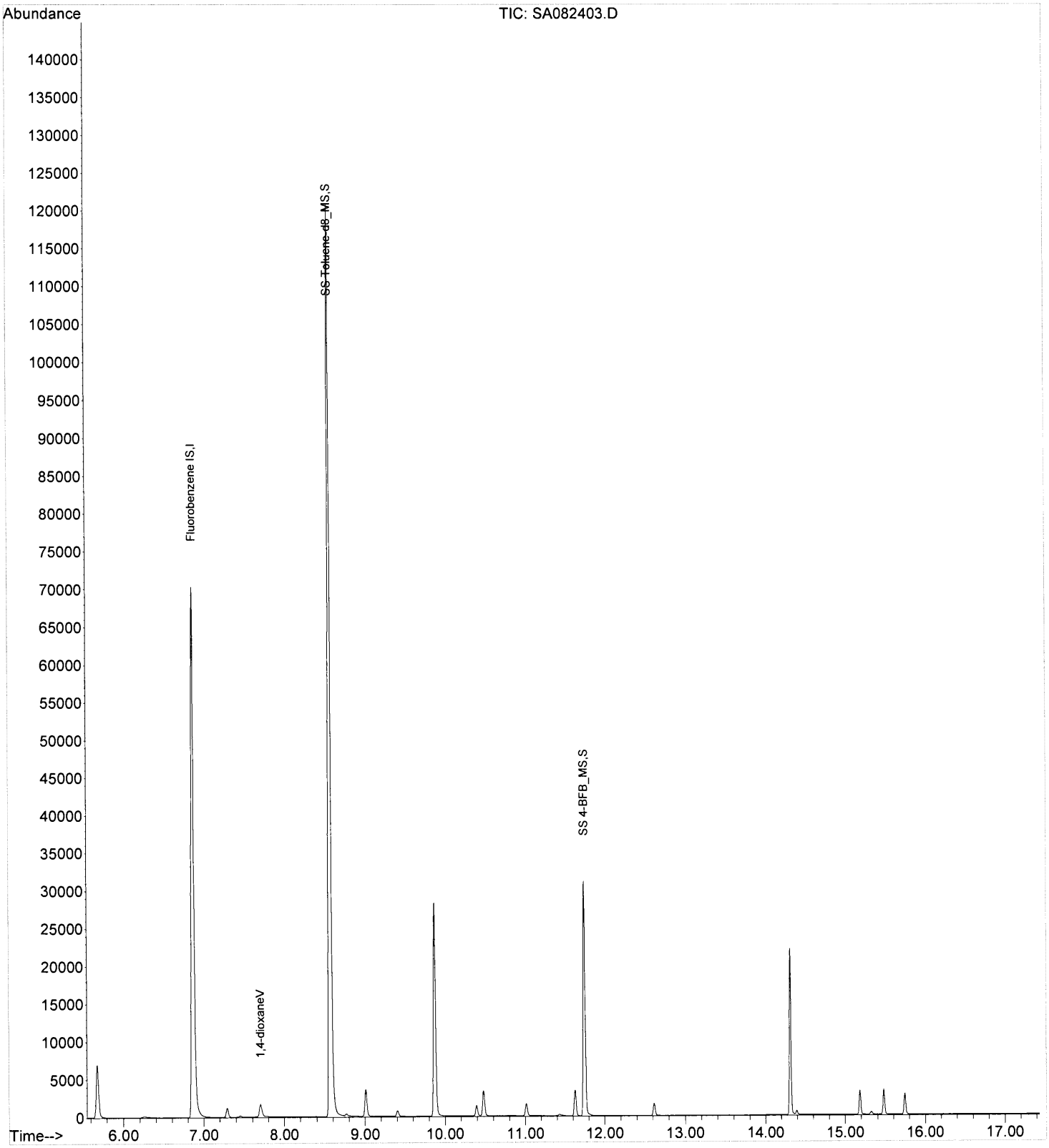
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	156814	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	143465	9.92	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.24%			
4) SS 4-BFB_MS	11.75	95	52518	8.65	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.54%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	2486m	4.129	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082403.D Vial: 3
Acq On : 24 Aug 2011 10:56 am Operator: VG
Sample : LCSaA082411V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 14:37 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082404.D Vial: 4
Acq On : 24 Aug 2011 11:44 am Operator: VG
Sample : LCSDA082411V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 12:07:47 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

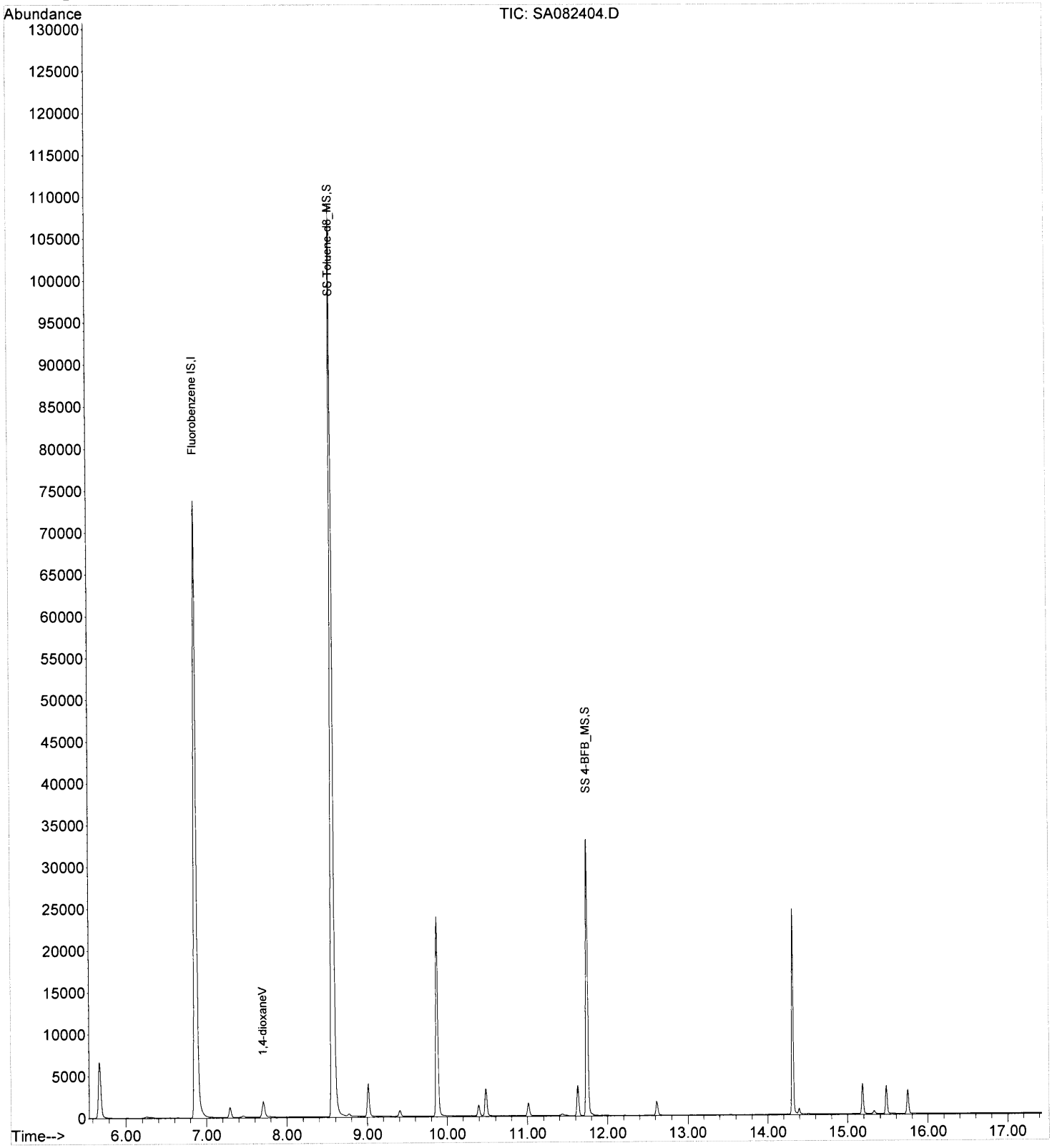
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	166523	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	131132	8.54	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.42%			
4) SS 4-BFB_MS	11.75	95	55163	8.56	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.60%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	2776m	4.342	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082404.D Vial: 4
Acq On : 24 Aug 2011 11:44 am Operator: VG
Sample : LCSDA082411V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 14:37 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082405.D Vial: 5
Acq On : 24 Aug 2011 12:31 pm Operator: VG
Sample : BlnkA082411V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 13:14:24 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

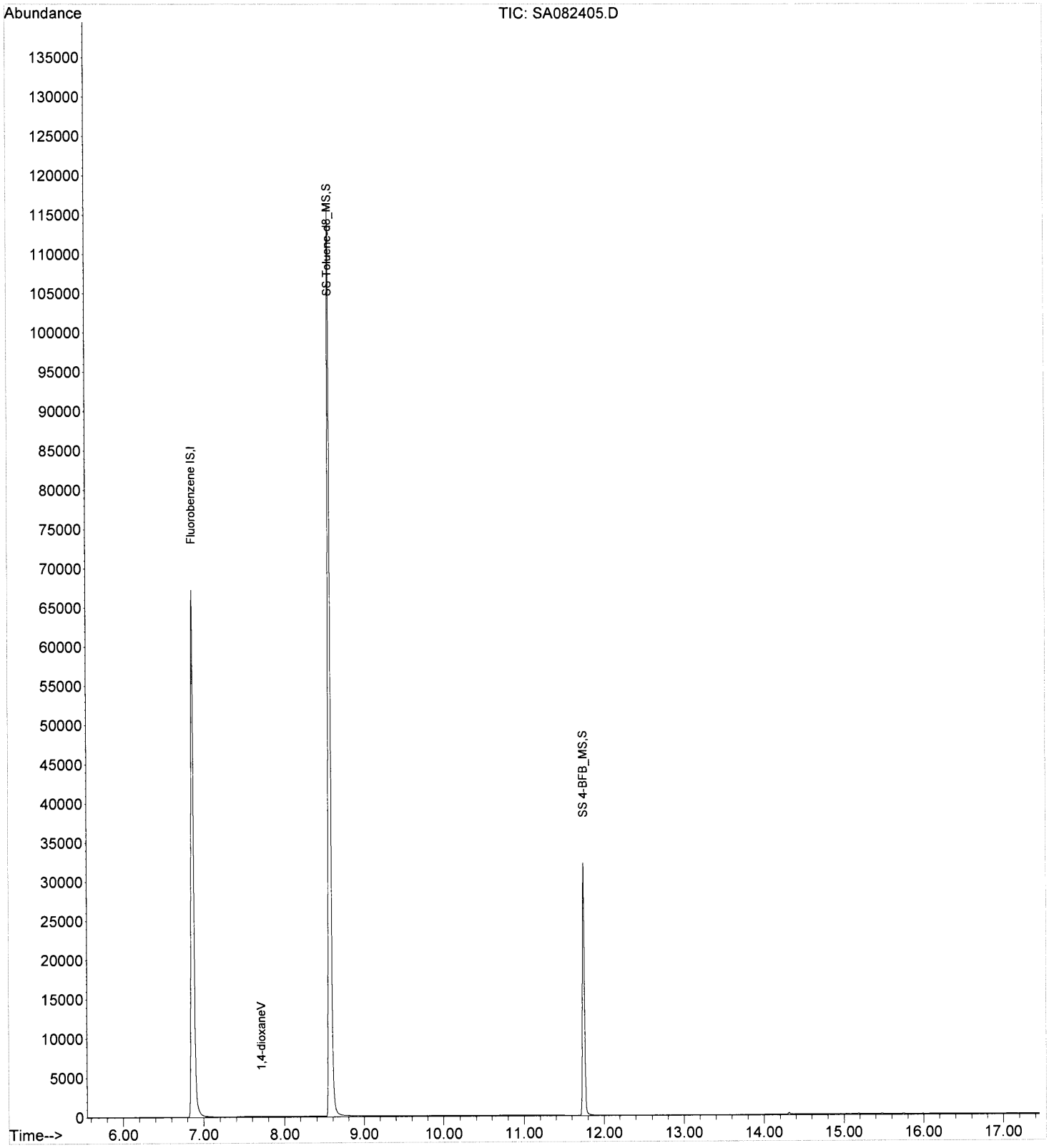
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	151530	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	140501	10.06	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.58%			
4) SS 4-BFB_MS	11.75	95	53703	9.16	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.58%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	53	0.091	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2411\SA082405.D Vial: 5
Acq On : 24 Aug 2011 12:31 pm Operator: VG
Sample : BlnkA082411V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 13:14 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082406.D Vial: 6
Acq On : 24 Aug 2011 1:19 pm Operator: VG
Sample : 102343.01 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:23:49 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	154618	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	123195	8.64	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.43%			
4) SS 4-BFB_MS	11.75	95	57927	9.68	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.81%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	5746	9.680	ug/L	95

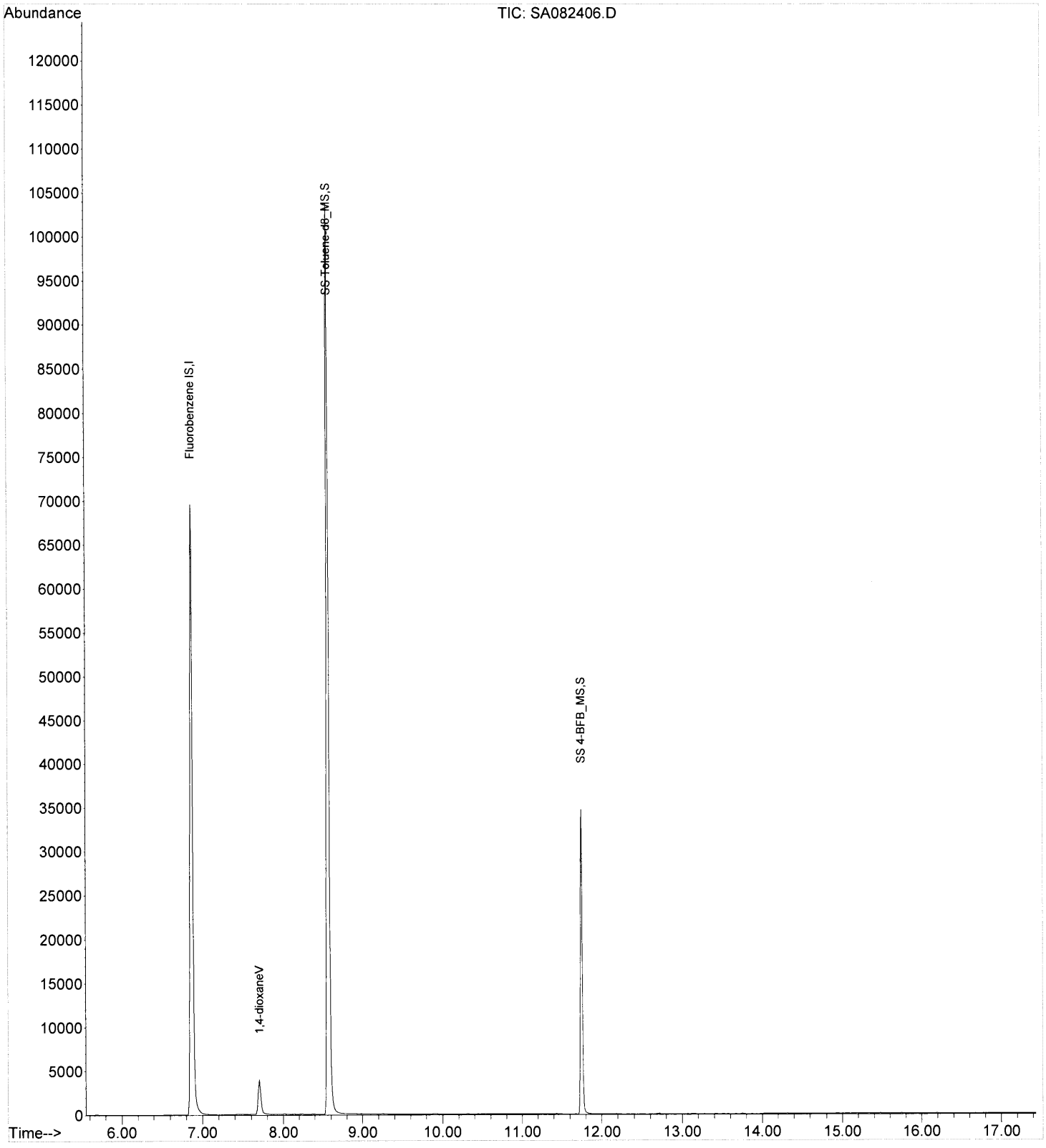
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082406.D Vial: 6
Acq On : 24 Aug 2011 1:19 pm Operator: VG
Sample : 102343.01 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:23 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082407.D Vial: 7
Acq On : 24 Aug 2011 2:07 pm Operator: VG
Sample : 102343.02 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:23:54 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	148484	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	141585	10.34	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.44%			
4) SS 4-BFB_MS	11.75	95	51590	8.98	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.78%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	159	0.279	ug/L	91

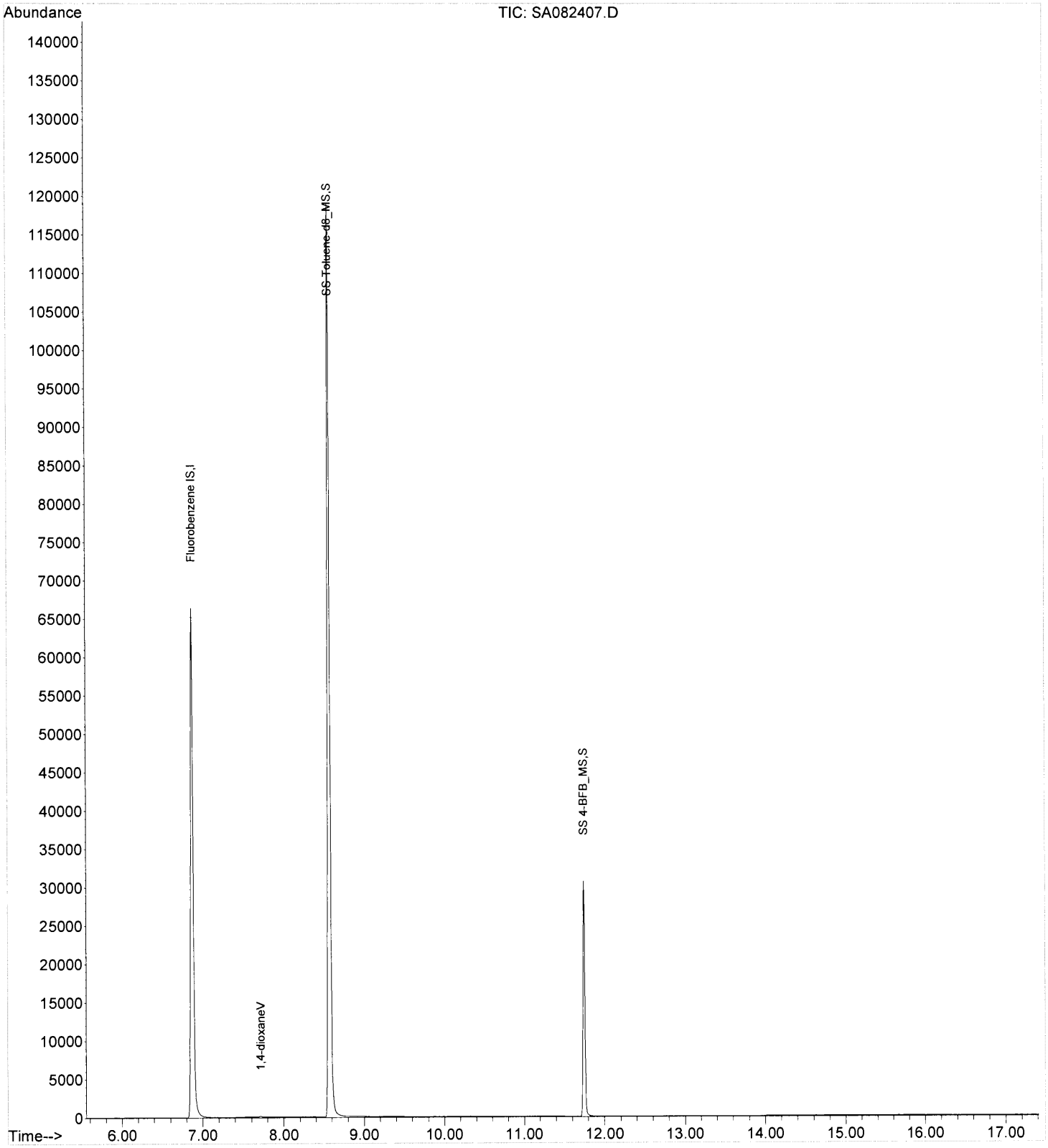
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082407.D Vial: 7
Acq On : 24 Aug 2011 2:07 pm Operator: VG
Sample : 102343.02 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:23 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082408.D Vial: 8
Acq On : 24 Aug 2011 2:55 pm Operator: VG
Sample : 102343.03 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:23:57 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	149651	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	133479	9.68	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.75%			
4) SS 4-BFB_MS	11.75	95	53824	9.29	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.94%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	383	0.667	ug/L	82

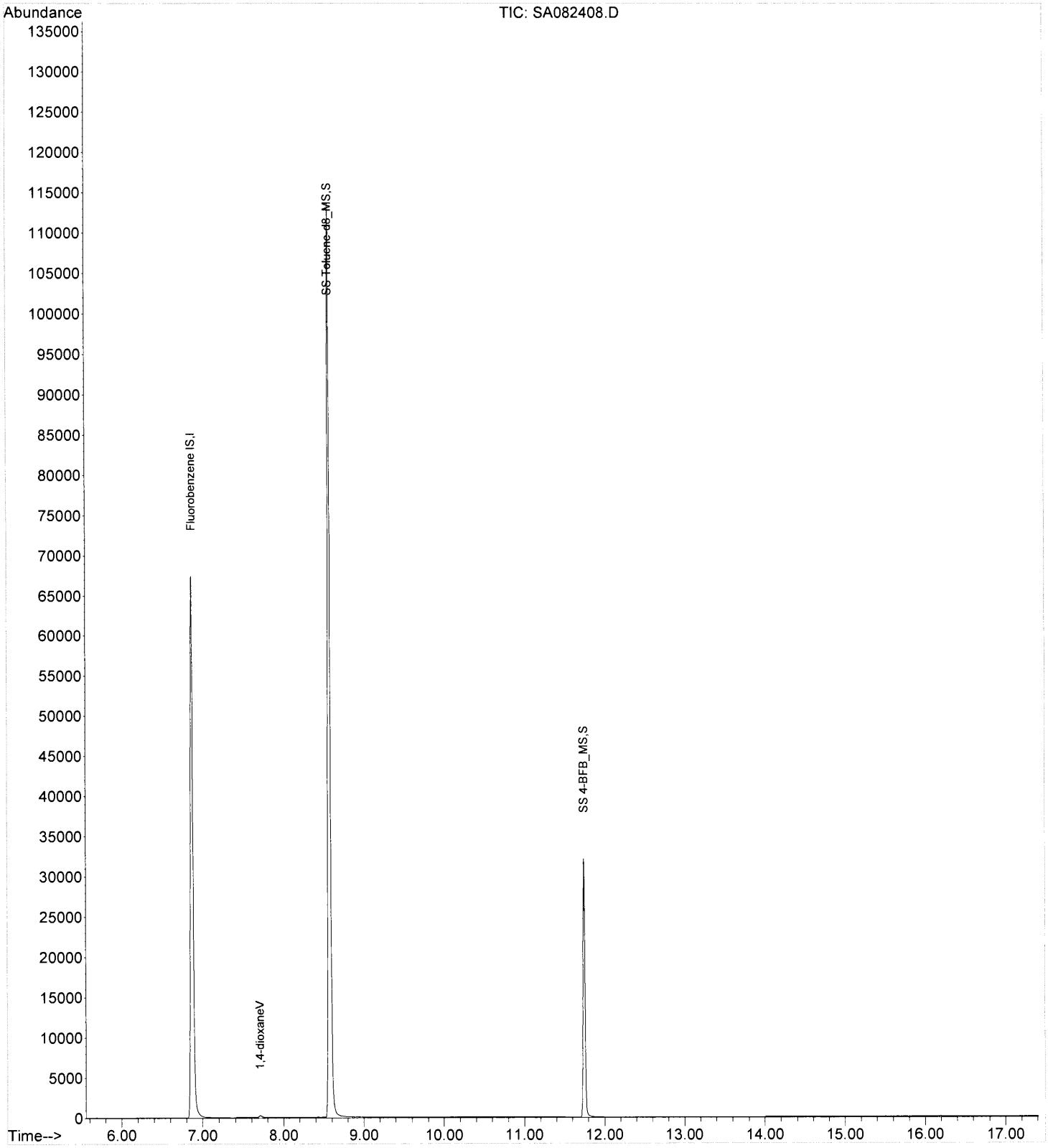
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082408.D Vial: 8
Acq On : 24 Aug 2011 2:55 pm Operator: VG
Sample : 102343.03 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:23 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082409.D Vial: 9
Acq On : 24 Aug 2011 3:42 pm Operator: VG
Sample : 102343.08 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:24:00 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	166852	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	134680	8.76	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.56%			
4) SS 4-BFB_MS	11.75	95	54218	8.40	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.97%			

Target Compounds Qvalue

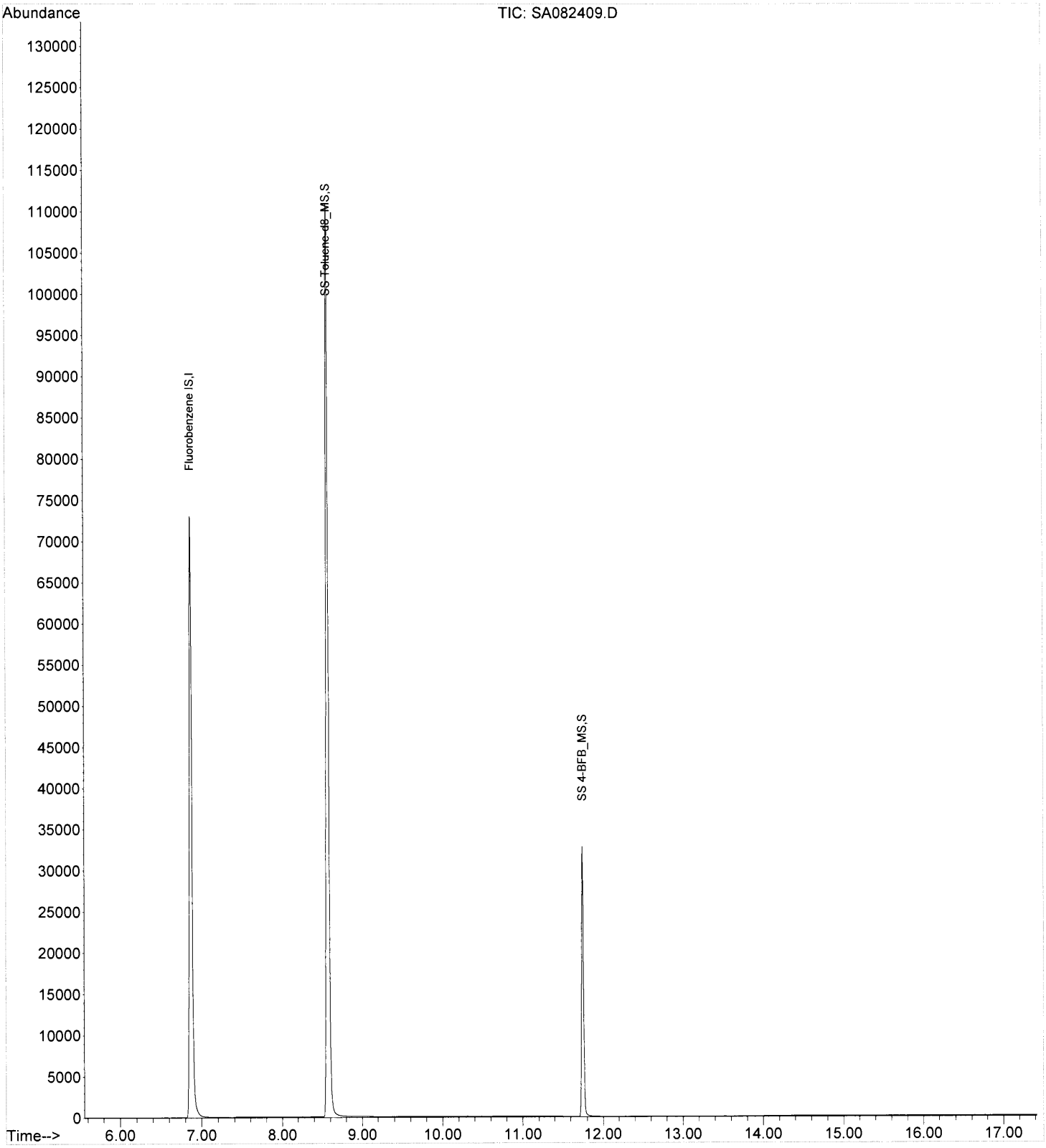
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082409.D Vial: 9
Acq On : 24 Aug 2011 3:42 pm Operator: VG
Sample : 102343.08 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:23 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082410.D Vial: 10
Acq On : 24 Aug 2011 4:30 pm Operator: VG
Sample : 102343.09 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:24:03 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	163741	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	131730	8.73	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.27%			
4) SS 4-BFB_MS	11.75	95	56229	8.87	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.74%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	504	0.802	ug/L	92

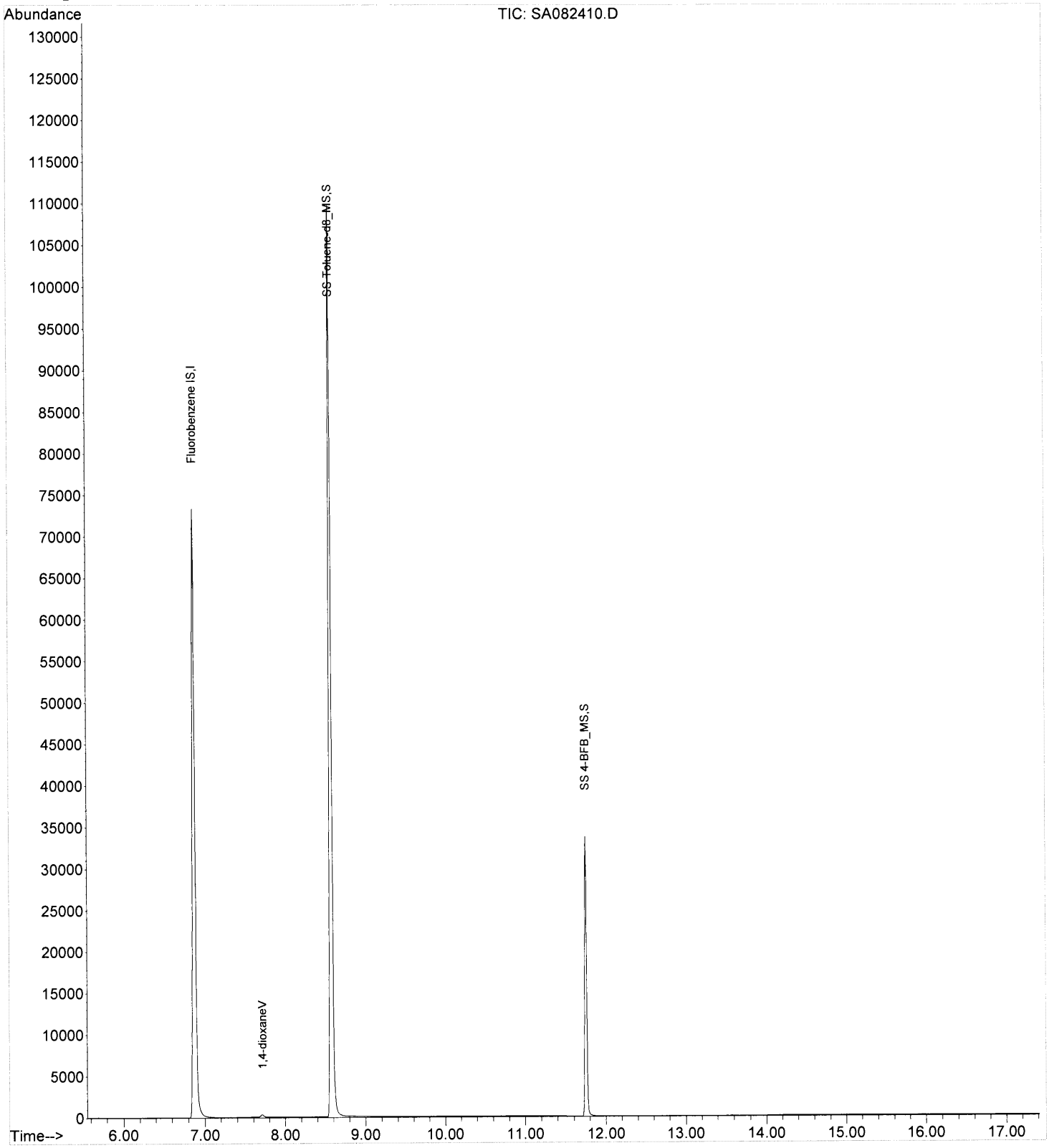
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082410.D Vial: 10
Acq On : 24 Aug 2011 4:30 pm Operator: VG
Sample : 102343.09 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:23 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082411.D Vial: 11
Acq On : 24 Aug 2011 5:17 pm Operator: VG
Sample : 102343.13 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:24:06 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	152666	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	124913	8.88	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.76%			
4) SS 4-BFB_MS	11.75	95	51230	8.67	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.71%			

Target Compounds Qvalue

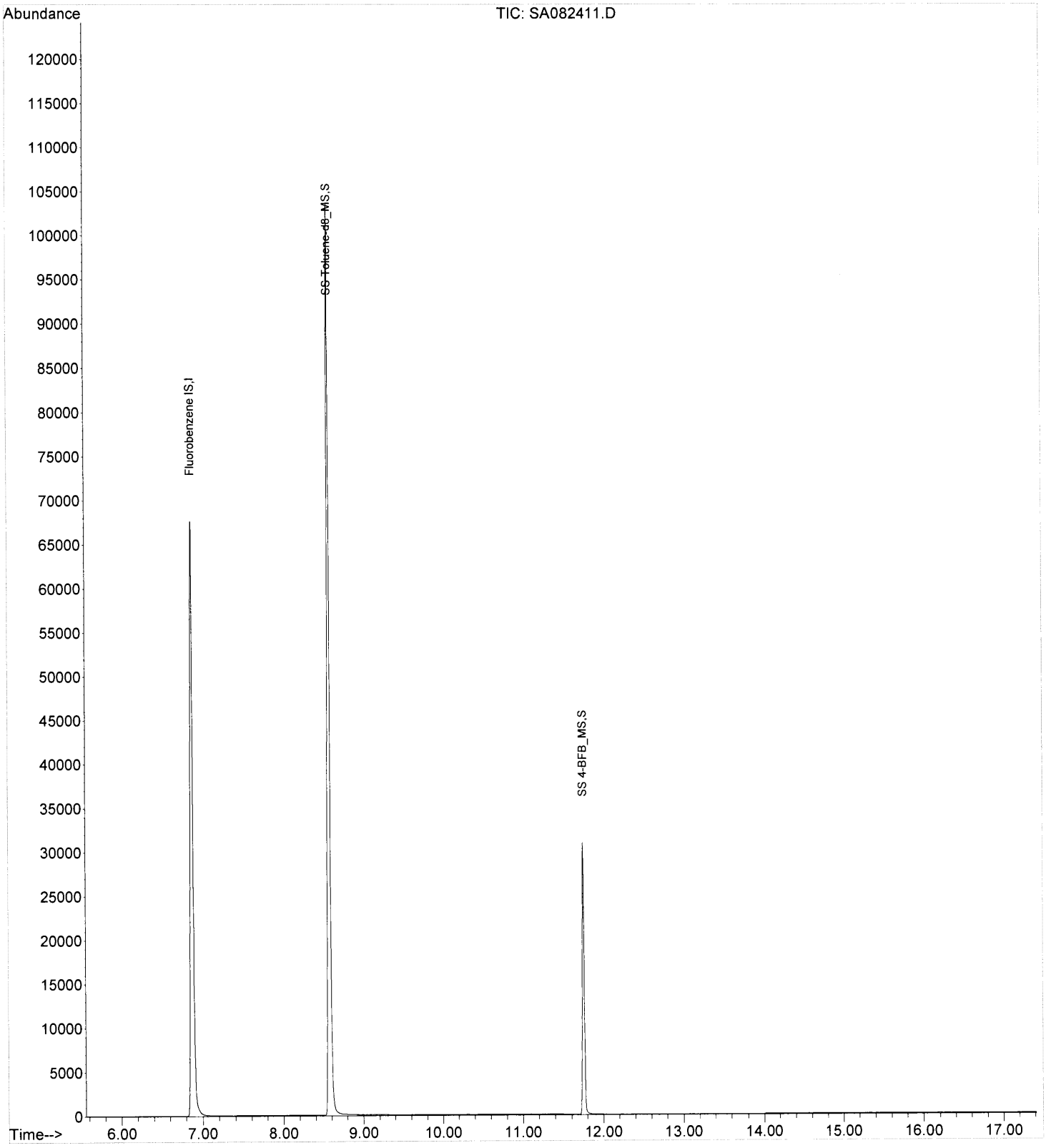
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2411\SA082411.D Vial: 11
Acq On : 24 Aug 2011 5:17 pm Operator: VG
Sample : 102343.13 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:23 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



524.2 Analysis
Raw Sample and QC Data
102479

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082323.D Vial: 23
Acq On : 23 Aug 2011 8:22 pm Operator: VG
Sample : STS 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:53:47 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene IS	12.03	96	260552	10.000	ug/L		0.00
System Monitoring Compounds							
61) SS 4-BFB_MS	18.14	95	101406	10.45	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.48%				
78) SS 1,2-DCB-D4_MS	19.76	152	104161	10.49	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.90%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	2.99	85	114515	16.512	ug/L		99
3) chloromethane	3.33	50	144862	18.025	ug/L		100
4) vinyl chloride	3.48	62	93410	20.818	ug/L		99
5) bromomethane	4.13	94	62719	17.606	ug/L		99
6) chloroethane	4.25	64	84876	20.819	ug/L		98
7) trichlorofluoromethane	4.65	101	181642	21.511	ug/L		100
8) diethyl ether	5.15	59	51015	10.202	ug/L		97
9) 1,1,2-Trichlorotrifluoroet	5.40	101	61323	9.922	ug/L		99
10) acetone	5.51	43	15012	7.852	ug/L		95
11) 1,1-dichloroethene	5.74	96	56604	9.860	ug/L		98
12) tert-Butyl Alcohol (TBA)	5.89	59	18617	47.077	ug/L	#	88
13) methylene chloride	6.66	84	60733	9.155	ug/L		94
14) carbon disulfide	6.69	76	202182	10.209	ug/L		100
15) acrylonitrile	6.92	53	25232	10.742	ug/L		98
16) Methyl-t-butyl ether (MTBE	6.96	73	260014	18.826	ug/L	#	95
17) trans-1,2-dichloroethene	7.25	96	61595	9.689	ug/L		98
18) hexane	7.38	57	84757	9.336	ug/L		96
19) Isopropyl ether (DIPE)	7.90	45	237122	9.815	ug/L		97
20) vinyl acetate	8.14	43	151189	17.775	ug/L		99
21) 1,1-dichloroethane	8.14	63	122412	9.813	ug/L		99
22) Ethyl-t-butyl ether (ETBE)	8.78	59	161392	8.485	ug/L	#	94
23) 2,2-dichloropropane	9.33	77	44735	5.467	ug/L	#	62
24) cis-1,2-dichloroethene	9.43	61	100463	9.956	ug/L		98
25) 2-butanone (MEK)	9.05	43	26715	9.639	ug/L		96
26) bromochloromethane	10.14	128	35124	9.921	ug/L		95
27) Tetrahydrofuran (THF)	10.22	42	16651	10.009	ug/L		95
28) chloroform	9.78	83	113909	9.676	ug/L		99
29) SS Dibromofluoromethane_MS	10.26	111	62491	10.189	ug/L		98
30) 1,1,1-trichloroethane	10.67	97	76859	8.250	ug/L		97
31) carbon tetrachloride	11.23	117	51381	7.190	ug/L		99
32) 1,1-dichloropropene	11.02	75	91485	9.749	ug/L		96
33) SS 1,2-DCA-d4_MS	11.39	65	70577	10.914	ug/L		99
34) tert-amyl methyl ether (TA	11.29	73	125607	8.515	ug/L	#	89
35) benzene	11.60	78	285564	9.880	ug/L		99
36) 1,2-dichloroethane	11.58	62	90973	10.584	ug/L		99
37) trichloroethene	12.76	95	71043	9.751	ug/L		98
38) 1,2-dichloropropane	13.08	63	72565	9.715	ug/L		97
39) dibromomethane	13.55	93	39428	10.241	ug/L		97
40) bromodichloromethane	13.47	83	72896	9.615	ug/L		99
41) 4-methyl-2-pentanone (MIBK	14.01	58	19522	9.662	ug/L		87
42) cis-1,3-dichloropropene	14.32	75	76908	8.217	ug/L		95
43) Chlorobenzene-D5 IS	16.70	117	210176	10.179	ug/L		98
44) SS Toluene-d8_MS	14.67	98	265301	10.304	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082323.D Vial: 23
Acq On : 23 Aug 2011 8:22 pm Operator: VG
Sample : STS 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:53:47 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

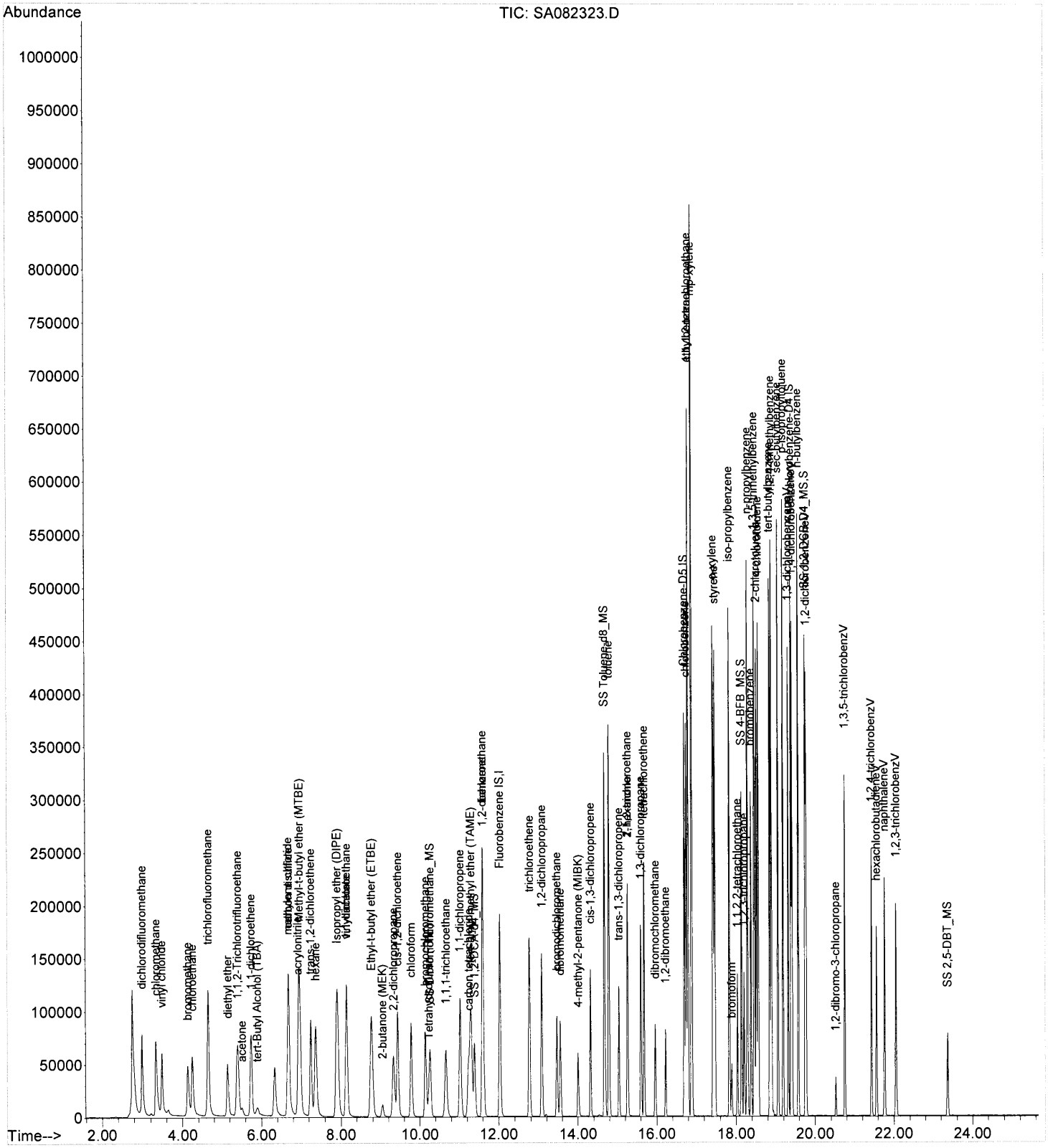
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	toluene	14.79	91	305242	9.825	ug/L		99
46)	trans-1,3-dichloropropene	15.04	75	59108	7.403	ug/L		93
47)	1,1,2-trichloroethane	15.26	83	46704	10.192	ug/L		99
48)	2-hexanone	15.26	43	35347	9.801	ug/L		96
49)	tetrachloroethene	15.69	166	75158	9.582	ug/L		97
50)	1,3-dichloropropane	15.60	76	94972	10.197	ug/L		96
51)	dibromochloromethane	15.96	129	46389	9.911	ug/L	#	97
52)	1,2-dibromoethane	16.22	107	53559	9.688	ug/L		100
53)	chlorobenzene	16.75	112	202552	9.734	ug/L		98
54)	1,1,1,2-tetrachloroethane	16.79	131	47714	8.347	ug/L		99
55)	ethylbenzene	16.79	91	347192	10.061	ug/L		99
56)	mp-xylene	16.89	106	277007	20.997	ug/L		99
57)	o-xylene	17.42	106	133581	9.996	ug/L		99
58)	styrene	17.46	104	223121	9.963	ug/L		99
59)	bromoform	17.89	173	21249	11.282	ug/L		96
60)	iso-propylbenzene	17.83	105	321765	10.012	ug/L		99
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	113875	10.108	ug/L		95
63)	bromobenzene	18.38	156	82555	9.681	ug/L		96
64)	1,1,2,2-tetrachloroethane	18.03	83	63453	10.124	ug/L		99
65)	1,2,3-trichloropropane	18.21	110	19767	10.571	ug/L		98
66)	n-propylbenzene	18.29	91	403007	10.086	ug/L		99
67)	2-chlorotoluene	18.52	91	247029	10.014	ug/L		99
68)	4-chlorotoluene	18.56	91	238291	9.940	ug/L		99
69)	1,3,5-trimethylbenzene	18.46	105	285210	10.105	ug/L		99
70)	tert-butylbenzene	18.84	119	241773	9.889	ug/L		99
71)	1,2,4-trimethylbenzene	18.89	105	292943	10.107	ug/L		99
72)	sec-butylbenzene	19.06	105	357526	10.071	ug/L		100
73)	1,3-dichlorobenzeneV	19.32	146	157952	9.849	ug/L		99
74)	p-isopropyltoluene	19.19	119	298607	10.069	ug/L		99
75)	1,4-dichlorobenzeneV	19.42	146	156840	9.816	ug/L		95
76)	1,2-dichlorobenzeneV	19.78	146	145941	9.920	ug/L		95
77)	n-butylbenzene	19.58	91	259425	10.196	ug/L		99
79)	1,2-dibromo-3-chloropropan	20.52	157	8019	7.386	ug/L		96
80)	1,3,5-trichlorobenzV	20.75	180	93835	9.473	ug/L		98
81)	1,2,4-trichlorobenzV	21.44	180	77974	9.476	ug/L		98
82)	hexachlorobutadieneV	21.56	225	35418	8.940	ug/L		97
83)	naphthaleneV	21.77	128	192944	10.159	ug/L		100
84)	1,2,3-trichlorobenzV	22.05	180	68984	9.651	ug/L		98
85)	SS 2,5-DBT_MS	23.36	250	19734	8.908	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082323.D Vial: 23
Acq On : 23 Aug 2011 8:22 pm Operator: VG
Sample : STS 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:53 2011 Quant Results File: 5LID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082325.D Vial: 25
Acq On : 23 Aug 2011 9:30 pm Operator: VG
Sample : BlnkA082311VNH521 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:54:23 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

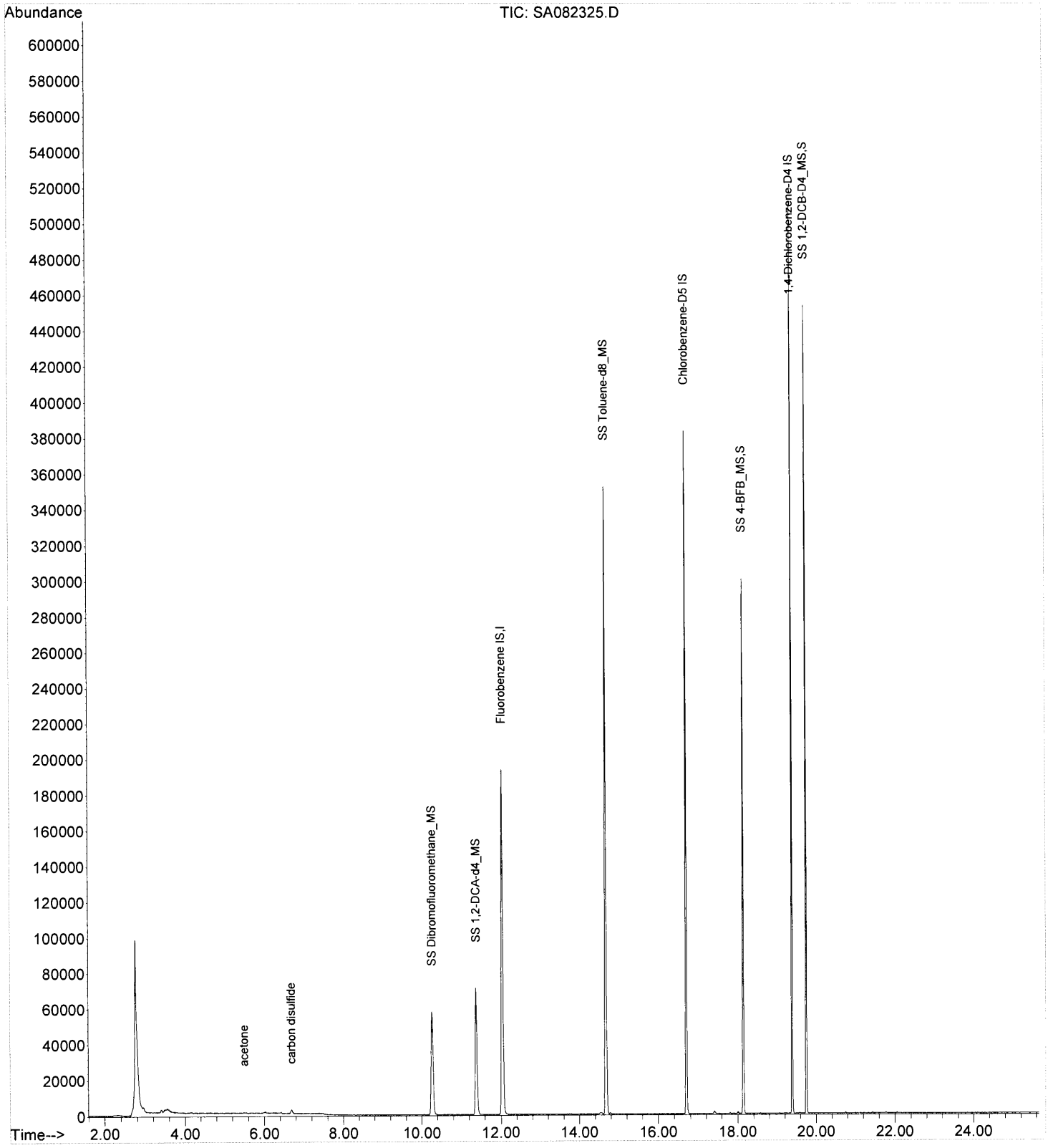
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	261931	10.000	ug/L	0.00
System Monitoring Compounds						
61) SS 4-BFB_MS	18.14	95	97696	10.01	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.12%			
78) SS 1,2-DCB-D4_MS	19.76	152	102469	10.26	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.65%			
Target Compounds						Qvalue
10) acetone	5.50	43	590	0.307	ug/L #	52
14) carbon disulfide	6.70	76	4719	0.237	ug/L #	84
29) SS Dibromofluoromethane_MS	10.26	111	63143	10.241	ug/L	98
33) SS 1,2-DCA-d4_MS	11.39	65	71088	10.935	ug/L	99
43) Chlorobenzene-D5 IS	16.70	117	208620	10.050	ug/L	98
44) SS Toluene-d8_MS	14.67	98	264378	10.214	ug/L	99
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	110517	9.759	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082325.D Vial: 25
Acq On : 23 Aug 2011 9:30 pm Operator: VG
Sample : BlnkA082311VNH521 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:54 2011 Quant Results File: 5LID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082340.D Vial: 40
Acq On : 24 Aug 2011 6:01 am Operator: VG
Sample : LCSaA082311VNH521 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:54:35 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene IS	12.03	96	252627	10.000	ug/L		0.00
System Monitoring Compounds							
61) SS 4-BFB_MS	18.14	95	98129	10.43	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.27%				
78) SS 1,2-DCB-D4_MS	19.76	152	102764	10.67	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.74%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	2.99	85	32533	4.838	ug/L		98
3) chloromethane	3.34	50	40445	5.190	ug/L		100
4) vinyl chloride	3.48	62	23595	5.424	ug/L		100
5) bromomethane	4.13	94	10439m	3.022	ug/L		
6) chloroethane	4.26	64	21069	5.330	ug/L		99
7) trichlorofluoromethane	4.65	101	44824	5.475	ug/L		99
8) diethyl ether	5.15	59	23745	4.898	ug/L		94
9) 1,1,2-Trichlorotrifluoroet	5.41	101	26412	4.408	ug/L		98
10) acetone	5.51	43	8700	4.693	ug/L		92
11) 1,1-dichloroethene	5.74	96	24769	4.450	ug/L		96
12) tert-Butyl Alcohol (TBA)	5.89	59	9317	24.299	ug/L	#	88
13) methylene chloride	6.67	84	29434	4.576	ug/L		93
14) carbon disulfide	6.70	76	75347m	3.924	ug/L		
15) acrylonitrile	6.93	53	10941	4.804	ug/L		96
16) Methyl-t-butyl ether (MTBE	6.96	73	61862	4.620	ug/L	#	91
17) trans-1,2-dichloroethene	7.25	96	28545	4.631	ug/L		98
19) Isopropyl ether (DIPE)	7.91	45	114023	4.868	ug/L		96
20) vinyl acetate	8.14	43	35457	4.299	ug/L		98
21) 1,1-dichloroethane	8.14	63	58239	4.815	ug/L		99
22) Ethyl-t-butyl ether (ETBE)	8.78	59	70811	3.840	ug/L	#	90
23) 2,2-dichloropropane	9.33	77	13151	1.658	ug/L	#	35
24) cis-1,2-dichloroethene	9.44	61	49751	5.085	ug/L		94
25) 2-butanone (MEK)	9.05	43	12860	4.785	ug/L	#	94
26) bromochloromethane	10.15	128	16934	4.933	ug/L		95
27) Tetrahydrofuran (THF)	10.22	42	9178	5.690	ug/L		90
28) chloroform	9.78	83	56472	4.948	ug/L		99
29) SS Dibromofluoromethane_MS	10.27	111	61067	10.269	ug/L		98
30) 1,1,1-trichloroethane	10.67	97	33916	3.755	ug/L		96
31) carbon tetrachloride	11.23	117	21398	3.088	ug/L		99
32) 1,1-dichloropropene	11.03	75	41519	4.563	ug/L		95
33) SS 1,2-DCA-d4_MS	11.39	65	69859	11.142	ug/L		100
34) tert-amyl methyl ether (TA	11.29	73	57381	4.012	ug/L	#	40
35) benzene	11.60	78	135638	4.840	ug/L		98
36) 1,2-dichloroethane	11.58	62	44230	5.307	ug/L		99
37) trichloroethene	12.77	95	33992	4.812	ug/L		97
38) 1,2-dichloropropane	13.08	63	34520	4.766	ug/L		95
39) dibromomethane	13.55	93	19422	5.203	ug/L		96
40) bromodichloromethane	13.47	83	32974	4.486	ug/L		98
41) 4-methyl-2-pentanone (MIBK	14.01	58	9215	4.704	ug/L		85
42) cis-1,3-dichloropropene	14.32	75	33237	3.662	ug/L		94
43) Chlorobenzene-D5 IS	16.70	117	205264	10.253	ug/L		98
44) SS Toluene-d8_MS	14.67	98	255878	10.250	ug/L		99
45) toluene	14.79	91	145509	4.831	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082340.D Vial: 40
Acq On : 24 Aug 2011 6:01 am Operator: VG
Sample : LCSaA082311VNH521 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:54:35 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

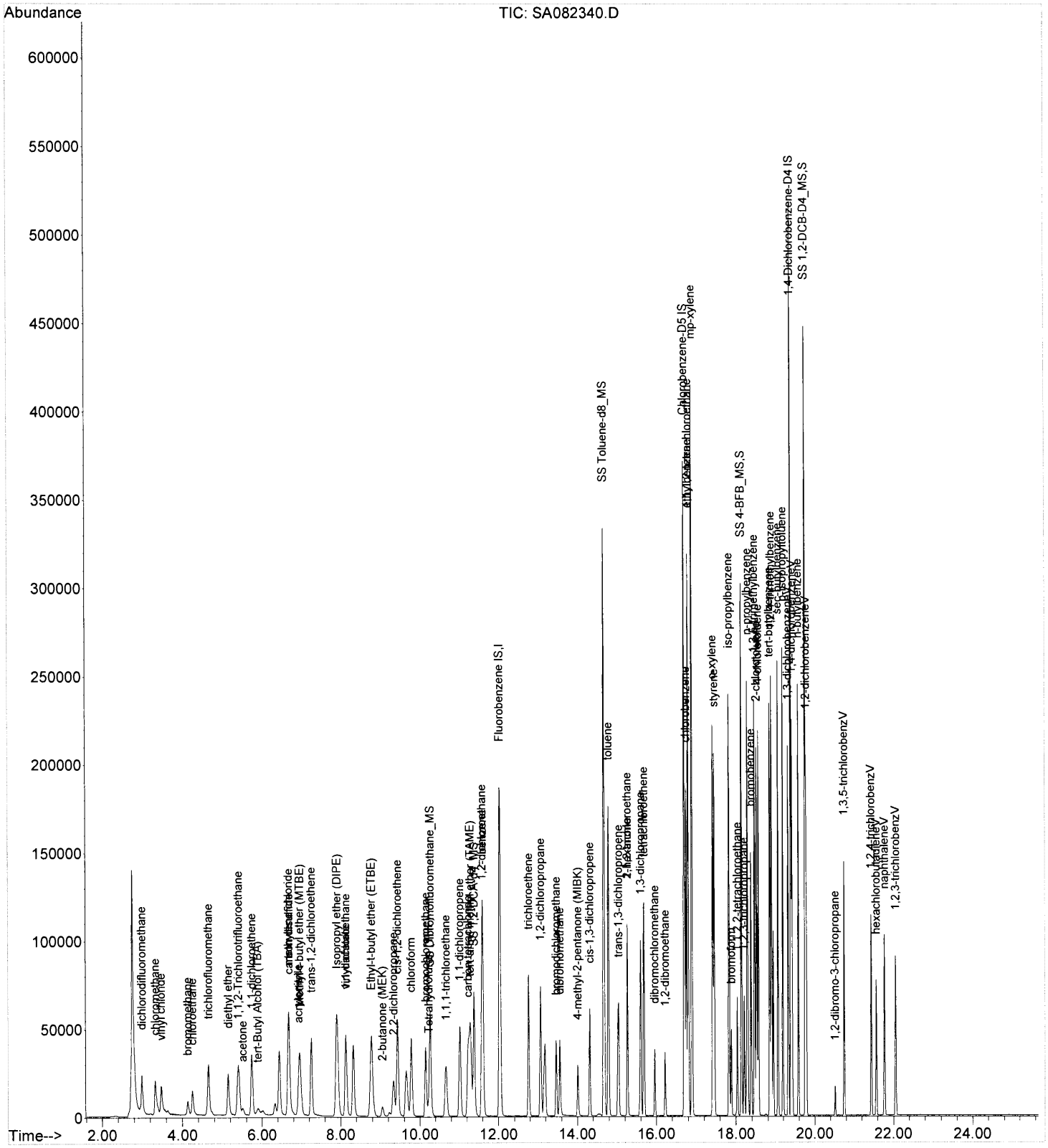
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	trans-1,3-dichloropropene	15.05	75	22412	2.895	ug/L	#	57
47)	1,1,2-trichloroethane	15.26	83	23475	5.284	ug/L		97
48)	2-hexanone	15.27	43	17270	4.939	ug/L		95
49)	tetrachloroethene	15.69	166	37821	4.973	ug/L		97
50)	1,3-dichloropropane	15.60	76	47626	5.274	ug/L	#	84
51)	dibromochloromethane	15.96	129	20755	4.573	ug/L	#	100
52)	1,2-dibromoethane	16.22	107	23953	4.468	ug/L		99
53)	chlorobenzene	16.75	112	98573	4.886	ug/L		98
54)	1,1,1,2-tetrachloroethane	16.79	131	19662	3.548	ug/L		99
55)	ethylbenzene	16.79	91	166052	4.963	ug/L		99
56)	mp-xylene	16.89	106	130765	10.223	ug/L		98
57)	o-xylene	17.42	106	62525	4.826	ug/L		97
58)	styrene	17.46	104	103424	4.763	ug/L		99
59)	bromoform	17.89	173	9842	5.389	ug/L	#	93
60)	iso-propylbenzene	17.83	105	159992	5.134	ug/L		99
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	112008	10.255	ug/L		99
63)	bromobenzene	18.38	156	39722	4.804	ug/L		96
64)	1,1,2,2-tetrachloroethane	18.03	83	30834	5.074	ug/L		99
65)	1,2,3-trichloropropane	18.21	110	9526	5.254	ug/L		97
66)	n-propylbenzene	18.29	91	186868	4.823	ug/L		99
67)	2-chlorotoluene	18.52	91	115733	4.839	ug/L		99
68)	4-chlorotoluene	18.56	91	112490	4.839	ug/L		99
69)	1,3,5-trimethylbenzene	18.46	105	130227	4.759	ug/L		99
70)	tert-butylbenzene	18.85	119	111795	4.716	ug/L		99
71)	1,2,4-trimethylbenzene	18.89	105	137594	4.896	ug/L		99
72)	sec-butylbenzene	19.06	105	162184	4.712	ug/L		99
73)	1,3-dichlorobenzeneV	19.32	146	74717	4.805	ug/L		97
74)	p-isopropyltoluene	19.19	119	134390	4.674	ug/L		99
75)	1,4-dichlorobenzeneV	19.42	146	75589	4.879	ug/L		97
76)	1,2-dichlorobenzeneV	19.78	146	70450	4.939	ug/L	#	87
77)	n-butylbenzene	19.58	91	112772	4.571	ug/L		99
79)	1,2-dibromo-3-chloropropan	20.52	157	3464	4.093	ug/L		95
80)	1,3,5-trichlorobenzV	20.75	180	42080	4.382	ug/L		98
81)	1,2,4-trichlorobenzV	21.44	180	36418	4.565	ug/L		98
82)	hexachlorobutadieneV	21.57	225	15269	3.975	ug/L		97
83)	naphthaleneV	21.77	128	86782	4.713	ug/L		99
84)	1,2,3-trichlorobenzV	22.06	180	31144	4.494	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082340.D Vial: 40
Acq On : 24 Aug 2011 6:01 am Operator: VG
Sample : LCSaA082311VNH521 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 25 12:06 2011 Quant Results File: 5LID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082341.D Vial: 41
Acq On : 24 Aug 2011 6:35 am Operator: VG
Sample : LCSDA082311VNH521 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:54:52 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	245342	10.000	ug/L	0.00
System Monitoring Compounds						
61) SS 4-BFB_MS	18.14	95	96011	10.51	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.05%			
78) SS 1,2-DCB-D4_MS	19.76	152	100165	10.71	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.12%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	34581	5.295	ug/L	99
3) chloromethane	3.33	50	41921	5.540	ug/L	100
4) vinyl chloride	3.48	62	24349	5.763	ug/L	99
5) bromomethane	4.13	94	11686	3.484	ug/L	98
6) chloroethane	4.25	64	21707	5.655	ug/L	98
7) trichlorofluoromethane	4.66	101	47110	5.925	ug/L	98
8) diethyl ether	5.15	59	24143	5.128	ug/L	95
9) 1,1,2-Trichlorotrifluoroet	5.40	101	28348	4.871	ug/L	100
10) acetone	5.51	43	9384	5.212	ug/L #	88
11) 1,1-dichloroethene	5.74	96	26395	4.883	ug/L	96
12) tert-Butyl Alcohol (TBA)	5.89	59	10036m	26.952	ug/L	
13) methylene chloride	6.67	84	30944	4.954	ug/L	95
14) carbon disulfide	6.69	76	89670	4.808	ug/L	98
15) acrylonitrile	6.93	53	11067	5.004	ug/L	96
16) Methyl-t-butyl ether (MTBE	6.96	73	64545	4.963	ug/L #	92
17) trans-1,2-dichloroethene	7.25	96	30297	5.061	ug/L	98
19) Isopropyl ether (DIPE)	7.91	45	118928	5.228	ug/L	96
20) vinyl acetate	8.15	43	39624	4.947	ug/L	97
21) 1,1-dichloroethane	8.13	63	61580	5.243	ug/L	99
22) Ethyl-t-butyl ether (ETBE)	8.78	59	77029	4.301	ug/L #	93
23) 2,2-dichloropropane	9.34	77	15452	2.005	ug/L #	45
24) cis-1,2-dichloroethene	9.44	61	52395	5.514	ug/L	95
25) 2-butanone (MEK)	9.04	43	13072	5.009	ug/L #	94
26) bromochloromethane	10.14	128	17757	5.327	ug/L	96
27) Tetrahydrofuran (THF)	10.23	42	9067	5.788	ug/L	92
28) chloroform	9.78	83	59412	5.360	ug/L	99
29) SS Dibromofluoromethane_MS	10.27	111	59925	10.376	ug/L	99
30) 1,1,1-trichloroethane	10.66	97	37319	4.254	ug/L	96
31) carbon tetrachloride	11.23	117	24369	3.621	ug/L	99
32) 1,1-dichloropropene	11.02	75	44789	5.069	ug/L	96
33) SS 1,2-DCA-d4_MS	11.39	65	67773	11.130	ug/L	99
34) tert-amyl methyl ether (TA	11.29	73	62094	4.470	ug/L #	44
35) benzene	11.60	78	145358	5.341	ug/L	99
36) 1,2-dichloroethane	11.58	62	46016	5.686	ug/L	99
37) trichloroethene	12.76	95	35551	5.182	ug/L	98
38) 1,2-dichloropropane	13.08	63	36960	5.255	ug/L	96
39) dibromomethane	13.55	93	19741	5.445	ug/L	98
40) bromodichloromethane	13.47	83	35354	4.952	ug/L	99
41) 4-methyl-2-pentanone (MIBK	14.01	58	9493	4.990	ug/L	86
42) cis-1,3-dichloropropene	14.32	75	36056	4.091	ug/L	94
43) Chlorobenzene-D5 IS	16.70	117	198128	10.190	ug/L	98
44) SS Toluene-d8_MS	14.67	98	250633	10.338	ug/L	99
45) toluene	14.79	91	154671	5.287	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082341.D Vial: 41
Acq On : 24 Aug 2011 6:35 am Operator: VG
Sample : LCSDA082311VNH521 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:54:52 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

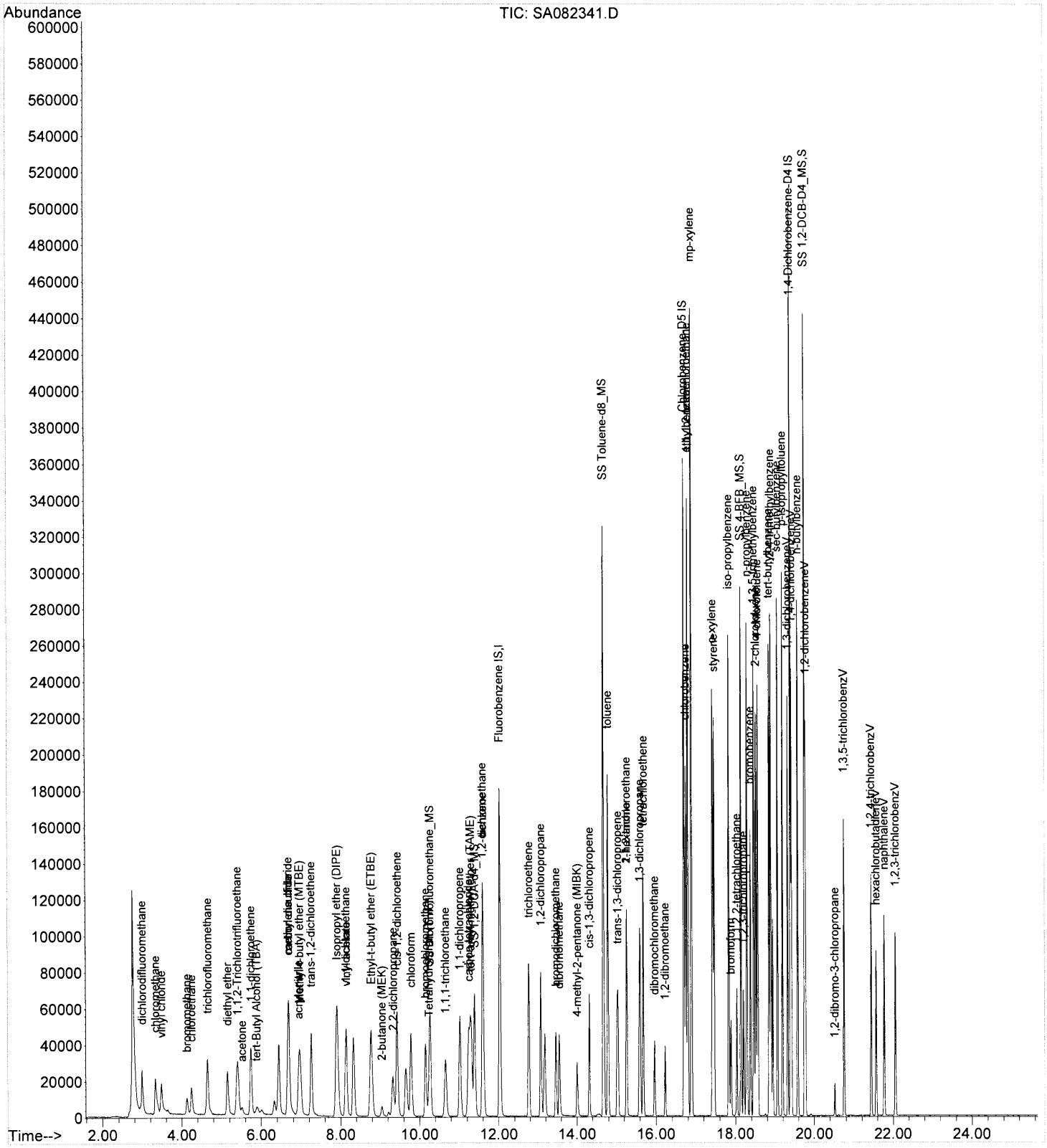
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	trans-1,3-dichloropropene	15.04	75	25636	3.410	ug/L	#	61
47)	1,1,2-trichloroethane	15.26	83	23870	5.532	ug/L		95
48)	2-hexanone	15.27	43	18015	5.305	ug/L		95
49)	tetrachloroethene	15.69	166	40834	5.529	ug/L		96
50)	1,3-dichloropropane	15.60	76	48847	5.570	ug/L	#	82
51)	dibromochloromethane	15.96	129	22551	5.117	ug/L	#	100
52)	1,2-dibromoethane	16.22	107	25914	4.978	ug/L		99
53)	chlorobenzene	16.75	112	104102	5.313	ug/L		99
54)	1,1,1,2-tetrachloroethane	16.79	131	22291	4.141	ug/L		99
55)	ethylbenzene	16.79	91	177046	5.448	ug/L		99
56)	mp-xylene	16.89	106	140880	11.341	ug/L		98
57)	o-xylene	17.42	106	66481	5.283	ug/L		97
58)	styrene	17.46	104	110176	5.225	ug/L		99
59)	bromoform	17.89	173	10722	6.046	ug/L	#	92
60)	iso-propylbenzene	17.83	105	175339	5.794	ug/L		99
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	109668	10.338	ug/L		98
63)	bromobenzene	18.38	156	41916	5.220	ug/L		96
64)	1,1,2,2-tetrachloroethane	18.03	83	32464	5.501	ug/L		99
65)	1,2,3-trichloropropane	18.21	110	9894	5.619	ug/L		96
66)	n-propylbenzene	18.29	91	207339	5.510	ug/L		98
67)	2-chlorotoluene	18.52	91	125422	5.400	ug/L		98
68)	4-chlorotoluene	18.56	91	121669	5.390	ug/L		99
69)	1,3,5-trimethylbenzene	18.46	105	142173	5.349	ug/L		99
70)	tert-butylbenzene	18.84	119	122381	5.316	ug/L		98
71)	1,2,4-trimethylbenzene	18.89	105	149411	5.475	ug/L		99
72)	sec-butylbenzene	19.06	105	179561	5.371	ug/L		99
73)	1,3-dichlorobenzeneV	19.32	146	81111	5.371	ug/L		98
74)	p-isopropyltoluene	19.19	119	151804	5.436	ug/L		99
75)	1,4-dichlorobenzeneV	19.42	146	81807	5.437	ug/L		97
76)	1,2-dichlorobenzeneV	19.78	146	75250	5.432	ug/L	#	88
77)	n-butylbenzene	19.58	91	128338	5.356	ug/L		99
79)	1,2-dibromo-3-chloropropan	20.52	157	3890	4.507	ug/L		95
80)	1,3,5-trichlorobenzV	20.75	180	47113	5.051	ug/L		97
81)	1,2,4-trichlorobenzV	21.44	180	40782	5.264	ug/L		97
82)	hexachlorobutadieneV	21.56	225	17523	4.697	ug/L		95
83)	naphthaleneV	21.77	128	95645	5.348	ug/L		100
84)	1,2,3-trichlorobenzV	22.06	180	35293	5.244	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2311\SA082341.D Vial: 41
Acq On : 24 Aug 2011 6:35 am Operator: VG
Sample : LCSDA082311VNH521 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 11:15 2011 Quant Results File: 5LID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2311\SA082326.D Vial: 26
Acq On : 23 Aug 2011 10:04 pm Operator: VG
Sample : 102479.12 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:56:06 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	264265	10.000	ug/L	0.00
System Monitoring Compounds						
61) SS 4-BFB_MS	18.14	95	99134	10.07	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.70%			
78) SS 1,2-DCB-D4_MS	19.76	152	103286	10.26	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.55%			
Target Compounds						Qvalue
3) chloromethane	3.32	50	1014	0.124	ug/L #	52
8) diethyl ether	5.15	59	1226	0.242	ug/L #	79
10) acetone	5.52	43	949	0.489	ug/L #	41
14) carbon disulfide	6.69	76	4930	0.245	ug/L #	82
27) Tetrahydrofuran (THF)	10.24	42	211	0.125	ug/L #	39
29) SS Dibromofluoromethane_MS	10.27	111	63351	10.184	ug/L	98
33) SS 1,2-DCA-d4_MS	11.39	65	72627	11.073	ug/L	99
43) Chlorobenzene-D5 IS	16.70	117	211290	10.089	ug/L	98
44) SS Toluene-d8_MS	14.67	98	266170	10.192	ug/L	99
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	111892	9.793	ug/L	96

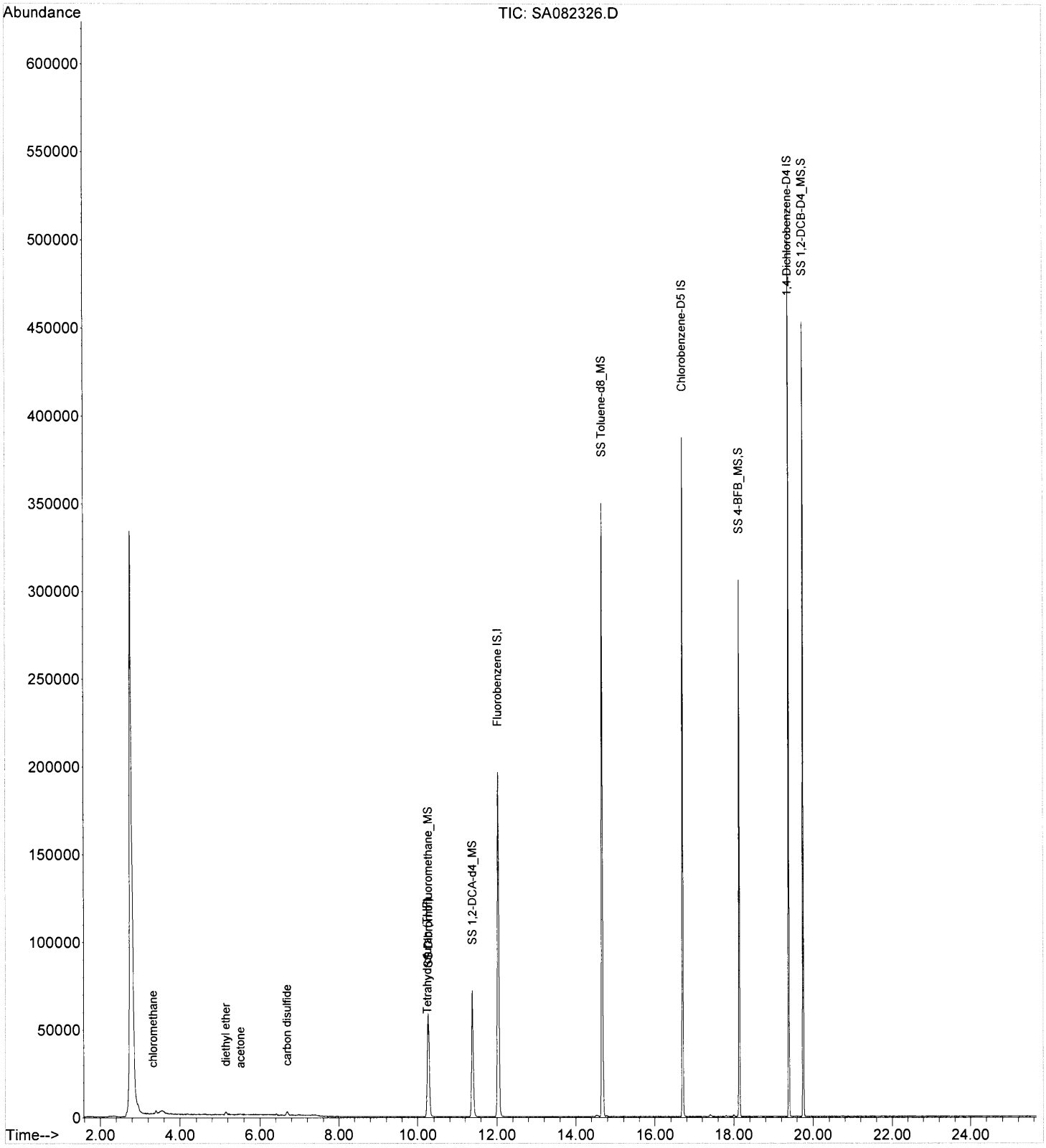
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2311\SA082326.D Vial: 26
Acq On : 23 Aug 2011 10:04 pm Operator: VG
Sample : 102479.12 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:56 2011 Quant Results File: 5LID0811.RES

Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2311\SA082327.D Vial: 27
Acq On : 23 Aug 2011 10:38 pm Operator: VG
Sample : 102479.13 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:56:09 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	253567	10.000	ug/L	0.00
System Monitoring Compounds						
61) SS 4-BFB_MS	18.14	95	95988	10.16	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.62%			
78) SS 1,2-DCB-D4_MS	19.76	152	100471	10.40	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.97%			
Target Compounds						Qvalue
3) chloromethane	3.32	50	1117	0.143	ug/L #	81
10) acetone	5.51	43	4288	2.304	ug/L #	25
14) carbon disulfide	6.70	76	4214	0.219	ug/L	99
27) Tetrahydrofuran (THF)	10.25	42	174	0.107	ug/L #	39
29) SS Dibromofluoromethane_MS	10.27	111	61490	10.302	ug/L	98
33) SS 1,2-DCA-d4_MS	11.39	65	70883	11.263	ug/L	99
43) Chlorobenzene-D5 IS	16.70	117	204590	10.181	ug/L	98
44) SS Toluene-d8_MS	14.67	98	257639	10.282	ug/L	99
48) 2-hexanone	15.50	43	4005	1.141	ug/L #	16
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	109381	9.977	ug/L	96

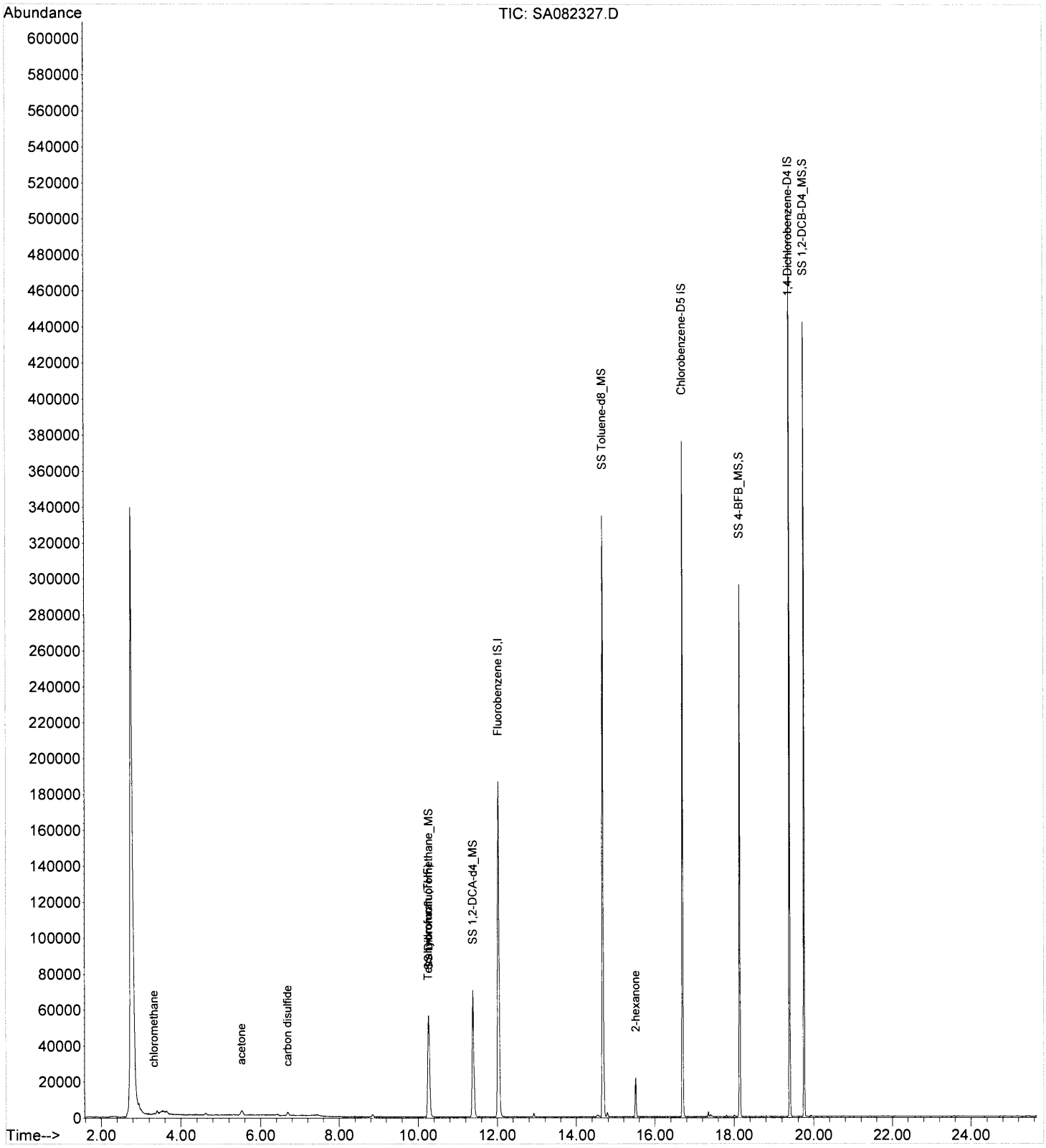
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2311\SA082327.D Vial: 27
Acq On : 23 Aug 2011 10:38 pm Operator: VG
Sample : 102479.13 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:56 2011 Quant Results File: 5LID0811.RES

Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2311\SA082328.D Vial: 28
Acq On : 23 Aug 2011 11:12 pm Operator: VG
Sample : 102479.14 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:56:12 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	258888	10.000	ug/L	0.00
System Monitoring Compounds						
61) SS 4-BFB_MS	18.14	95	97830	10.14	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.44%			
78) SS 1,2-DCB-D4_MS	19.76	152	102513	10.39	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.90%			
Target Compounds						Qvalue
8) diethyl ether	5.15	59	1421	0.286	ug/L #	69
10) acetone	5.51	43	7076	3.725	ug/L	96
14) carbon disulfide	6.69	76	4911	0.250	ug/L #	85
25) 2-butanone (MEK)	9.04	43	912	0.331	ug/L #	60
27) Tetrahydrofuran (THF)	10.23	42	590	0.357	ug/L #	39
29) SS Dibromofluoromethane_MS	10.26	111	62104	10.191	ug/L	98
33) SS 1,2-DCA-d4_MS	11.39	65	71012	11.052	ug/L	99
43) Chlorobenzene-D5 IS	16.70	117	208894	10.182	ug/L	98
44) SS Toluene-d8_MS	14.67	98	261047	10.204	ug/L	99
45) toluene	14.79	91	4200	0.136	ug/L #	99
48) 2-hexanone	15.51	43	455	0.127	ug/L #	1
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	109988	9.826	ug/L	96

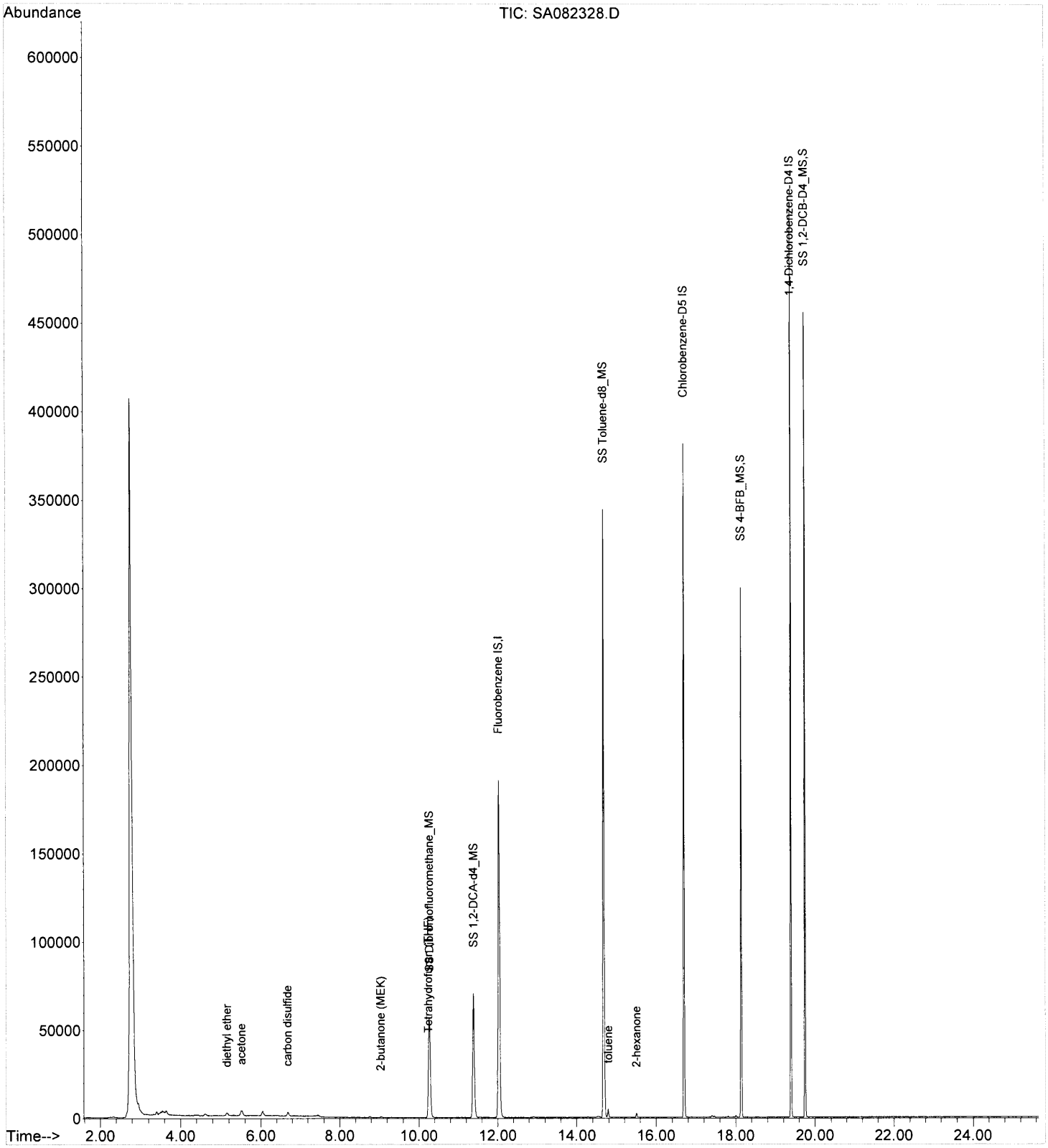
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2311\SA082328.D Vial: 28
Acq On : 23 Aug 2011 11:12 pm Operator: VG
Sample : 102479.14 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:56 2011 Quant Results File: 5LID0811.RES

Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2311\SA082329.D Vial: 29
Acq On : 23 Aug 2011 11:46 pm Operator: VG
Sample : 102479.15 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:56:15 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	254667	10.000	ug/L	0.00
System Monitoring Compounds						
61) SS 4-BFB_MS	18.14	95	96124	10.13	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.32%			
78) SS 1,2-DCB-D4_MS	19.76	152	100324	10.34	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.37%			
Target Compounds						Qvalue
10) acetone	5.51	43	3460	1.851	ug/L	93
12) tert-Butyl Alcohol (TBA)	5.92	59	42	0.109	ug/L #	47
14) carbon disulfide	6.69	76	6563	0.339	ug/L #	85
25) 2-butanone (MEK)	9.06	43	461	0.170	ug/L #	60
27) Tetrahydrofuran (THF)	10.24	42	393	0.242	ug/L #	39
29) SS Dibromofluoromethane_MS	10.27	111	60871	10.154	ug/L	99
33) SS 1,2-DCA-d4_MS	11.39	65	69394	10.979	ug/L	99
43) Chlorobenzene-D5 IS	16.70	117	204505	10.133	ug/L	98
44) SS Toluene-d8_MS	14.67	98	256457	10.190	ug/L	99
48) 2-hexanone	15.50	43	1211	0.344	ug/L #	8
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	109269	9.924	ug/L	96

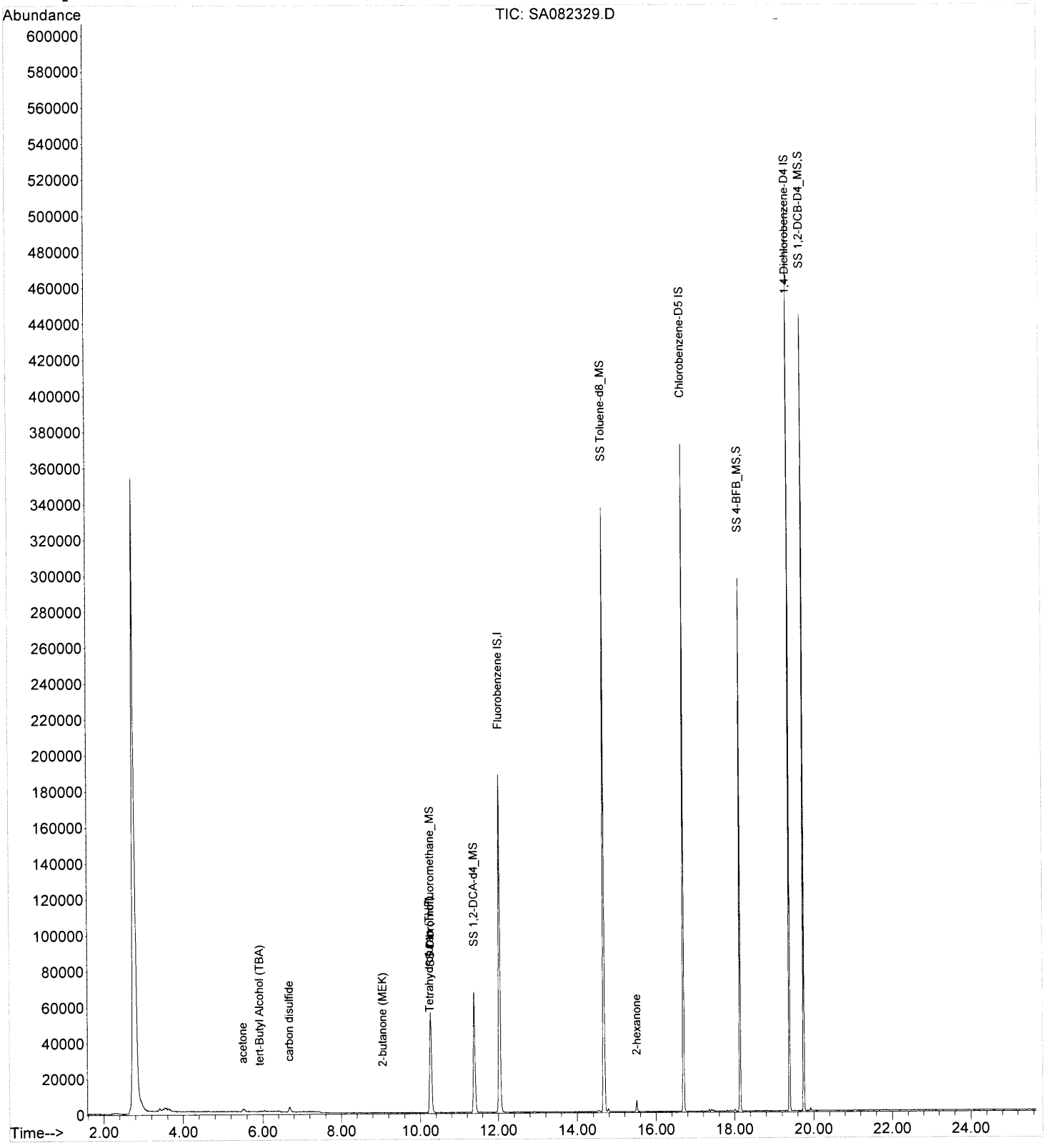
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2311\SA082329.D Vial: 29
Acq On : 23 Aug 2011 11:46 pm Operator: VG
Sample : 102479.15 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:56 2011 Quant Results File: 5LID0811.RES

Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2311\SA082330.D Vial: 30
Acq On : 24 Aug 2011 12:20 am Operator: VG
Sample : 102479.16 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:56:18 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	260003	10.000 ug/L	0.00
System Monitoring Compounds					
61) SS 4-BFB_MS	18.14	95	99008	10.22 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.22%		
78) SS 1,2-DCB-D4_MS	19.76	152	102710	10.37 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.65%		
Target Compounds					Qvalue
6) chloroethane	4.26	64	16540	4.066 ug/L	98
8) diethyl ether	5.15	59	60867	12.198 ug/L	97
10) acetone	5.51	43	2633	1.380 ug/L	98
12) tert-Butyl Alcohol (TBA)	5.89	59	5612	14.221 ug/L #	73
14) carbon disulfide	6.68	76	4675	0.237 ug/L	98
16) Methyl-t-butyl ether (MTBE	6.96	73	2560	0.186 ug/L #	91
19) Isopropyl ether (DIPE)	7.92	45	2815	0.117 ug/L #	84
27) Tetrahydrofuran (THF)	10.23	42	21514	12.959 ug/L	96
29) SS Dibromofluoromethane_MS	10.27	111	63028	10.298 ug/L	98
33) SS 1,2-DCA-d4_MS	11.39	65	70787	10.970 ug/L	99
35) benzene	11.60	78	58350	2.023 ug/L	98
36) 1,2-dichloroethane	11.60	62	895	0.104 ug/L #	1
43) Chlorobenzene-D5 IS	16.70	117	208027	10.096 ug/L	98
44) SS Toluene-d8_MS	14.67	98	260542	10.140 ug/L	99
45) toluene	14.79	91	4861	0.157 ug/L	99
48) 2-hexanone	15.16	43	774	0.215 ug/L #	18
53) chlorobenzene	16.75	112	364724	17.565 ug/L	99
56) mp-xylene	16.89	106	2482	0.189 ug/L #	84
60) iso-propylbenzene	17.83	105	52325	1.632 ug/L	99
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	110103	9.794 ug/L	98
66) n-propylbenzene	18.29	91	9928	0.249 ug/L	100
72) sec-butylbenzene	19.06	105	4758	0.134 ug/L	97
73) 1,3-dichlorobenzeneV	19.42	146	36843	2.302 ug/L	95
75) 1,4-dichlorobenzeneV	19.42	146	36843	2.311 ug/L	96
76) 1,2-dichlorobenzeneV	19.78	146	17283	1.177 ug/L #	37
77) n-butylbenzene	19.59	91	2755	0.109 ug/L #	71
83) naphthaleneV	21.76	128	3992	0.211 ug/L #	97

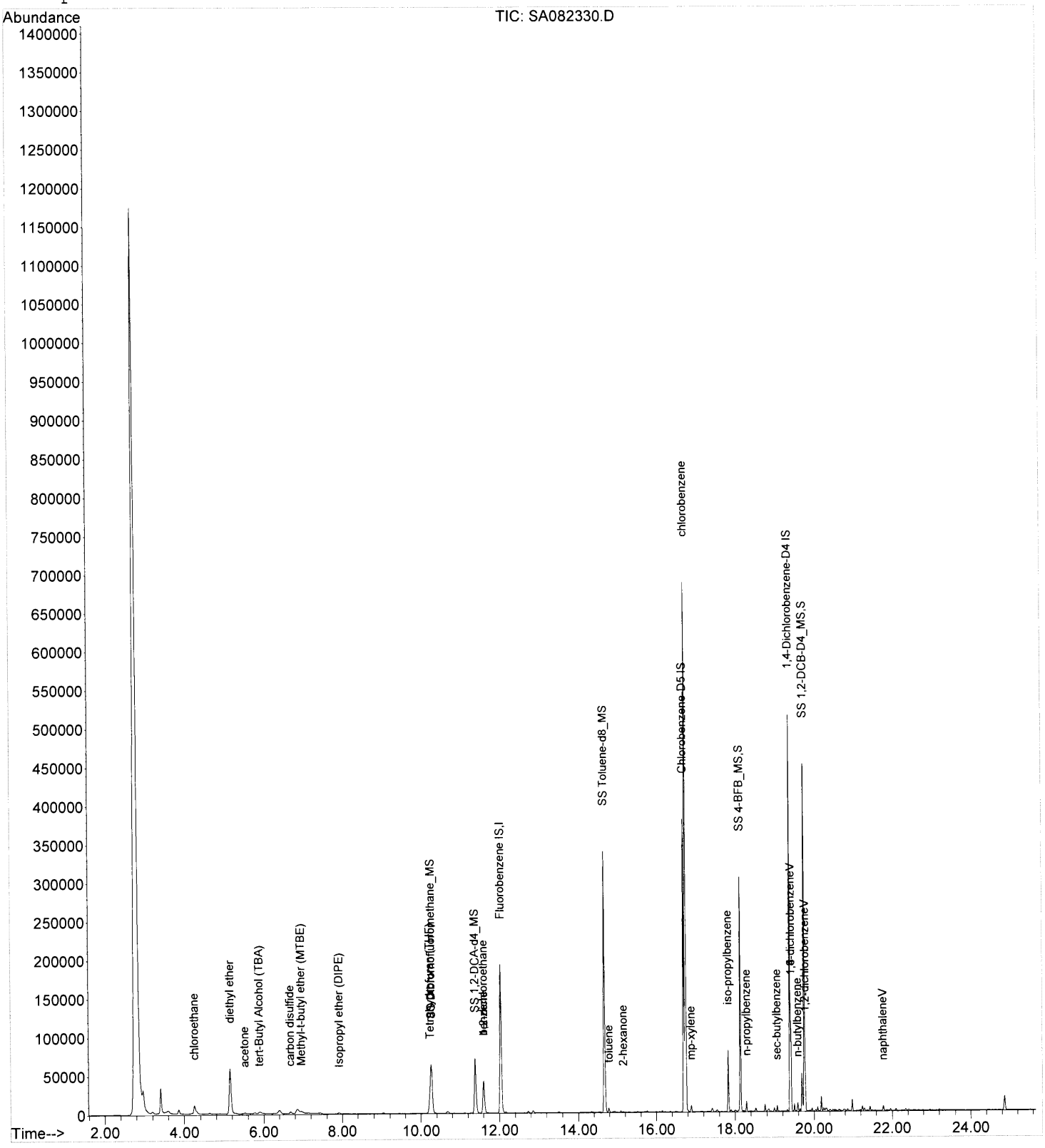
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2311\SA082330.D Vial: 30
Acq On : 24 Aug 2011 12:20 am Operator: VG
Sample : 102479.16 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:56 2011 Quant Results File: 5LID0811.RES

Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2311\SA082331.D Vial: 31
Acq On : 24 Aug 2011 12:54 am Operator: VG
Sample : 102479.18 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:56:22 2011 Quant Results File: 5LID0811.RES

Quant Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	252544	10.000	ug/L	0.00
System Monitoring Compounds						
61) SS 4-BFB_MS	18.14	95	94924	10.09	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.90%			
78) SS 1,2-DCB-D4_MS	19.76	152	100596	10.45	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.52%			
Target Compounds						Qvalue
10) acetone	5.51	43	1029	0.555	ug/L #	49
13) methylene chloride	6.66	84	1053	0.164	ug/L #	84
14) carbon disulfide	6.69	76	4734	0.247	ug/L #	70
29) SS Dibromofluoromethane_MS	10.27	111	60118	10.113	ug/L	98
33) SS 1,2-DCA-d4_MS	11.38	65	69273	11.052	ug/L	99
43) Chlorobenzene-D5 IS	16.70	117	203011	10.144	ug/L	98
44) SS Toluene-d8_MS	14.67	98	254146	10.183	ug/L	99
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	106890	9.789	ug/L	97

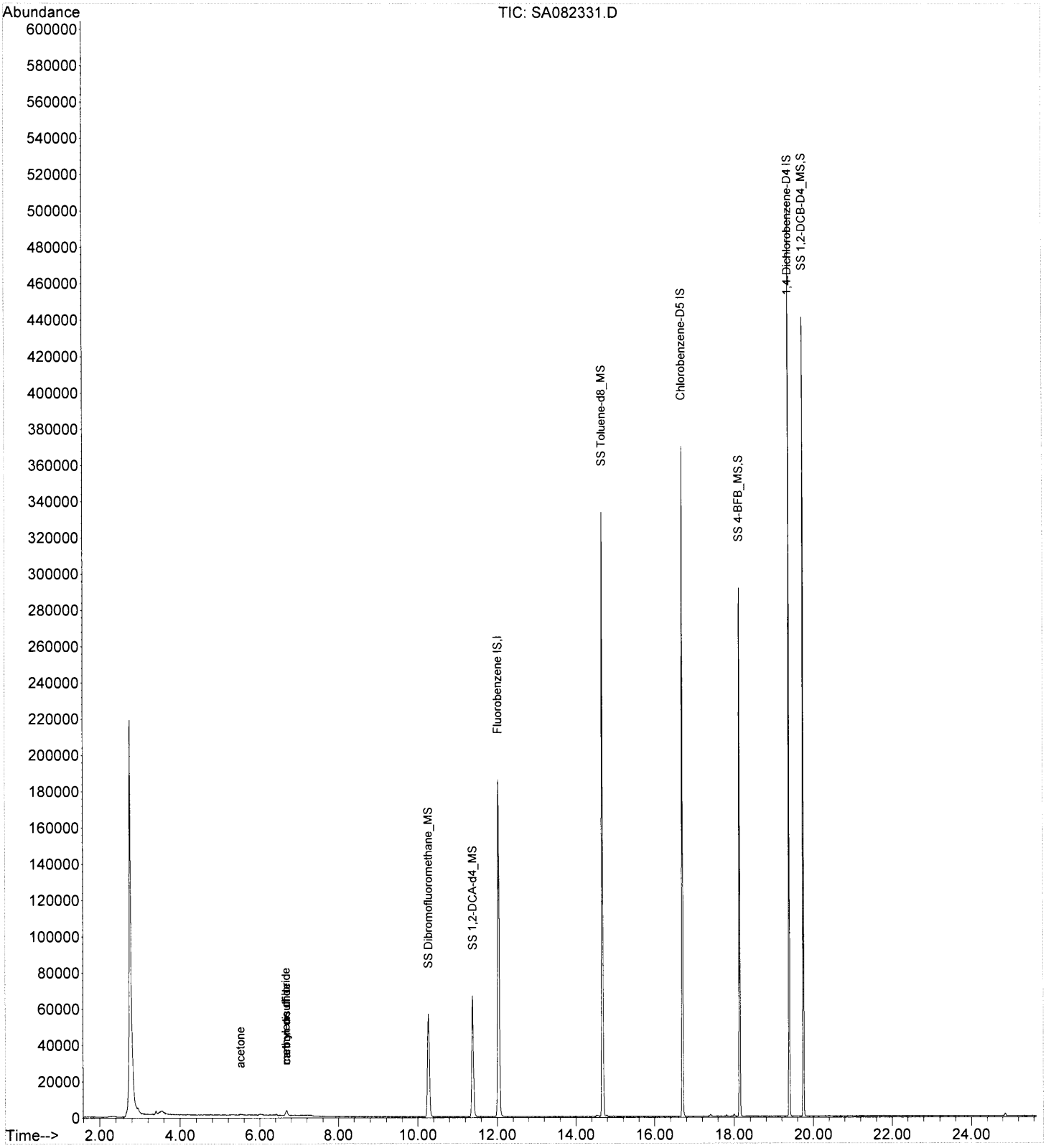
8/25/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\AUG2311\SA082331.D Vial: 31
Acq On : 24 Aug 2011 12:54 am Operator: VG
Sample : 102479.18 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 10:56 2011 Quant Results File: 5LID0811.RES

Method : W:\1\METHODS\2011\5LID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 13:32:18 2011
Response via : Initial Calibration



Volatile Organic Analysis
Raw Sample and QC Data
102479

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 9:58 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 29 10:37:09 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	263111	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	200435	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	107644	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	63611	10.22	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.18%			
35) SS 1,2-DCA-d4_MS	11.39	65	71483	10.92	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.19%			
48) SS Toluene-d8_MS	14.67	98	262108	10.52	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.18%			
65) SS 4-BFB_MS	18.14	95	95117	10.05	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.47%			
83) SS 1,2-DCB-D4_MS	19.76	152	98330	10.35	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.54%			
90) SS 2,5-DBT_MS	23.36	250	47094	18.89	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 47.23%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	207863	29.106	ug/L	100
3) chloromethane	3.33	50	280921	34.208	ug/L	100
4) vinyl chloride	3.48	62	171199	42.149	ug/L	99
5) bromomethane	4.14	94	122663	31.009	ug/L	97
6) chloroethane	4.25	64	161023	40.061	ug/L	99
7) trichlorofluoromethane	4.66	101	355899	40.582	ug/L	99
8) diethyl ether	5.15	59	105194	20.792	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	5.41	101	128620	20.600	ug/L	99
10) acrolein	5.39	56	9381	59.997	ug/L #	81
11) acetone	5.51	43	46934	24.954	ug/L	94
12) 1,1-dichloroethene	5.74	96	117195	20.223	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.90	59	38806	97.509	ug/L #	88
14) Iodomethane	6.33	142	199377	30.365	ug/L #	99
15) methylene chloride	6.66	84	127469	19.474	ug/L	96
16) carbon disulfide	6.69	76	367107	18.745	ug/L	99
17) acrylonitrile	6.93	53	50952	21.606	ug/L	98
18) Methyl-t-butyl ether (MTBE	6.96	73	565012	40.988	ug/L	97
19) trans-1,2-dichloroethene	7.25	96	129602	20.167	ug/L	97
20) hexane	7.38	57	184650	19.975	ug/L	96
21) Isopropyl ether (DIPE)	7.90	45	512917	21.096	ug/L	98
22) vinyl acetate	8.14	43	377646	42.143	ug/L	99
23) 1,1-dichloroethane	8.14	63	259787	20.640	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	8.77	59	382191	19.690	ug/L	97
25) 2,2-dichloropropane	9.33	77	141536	16.746	ug/L #	83
26) cis-1,2-dichloroethene	9.43	61	211859	20.890	ug/L	97
27) 2-butanone (MEK)	9.05	43	65469	22.598	ug/L	97
28) bromochloromethane	10.15	128	73560	20.573	ug/L	95
29) Tetrahydrofuran (THF)	10.23	42	35082	20.774	ug/L	97
30) chloroform	9.78	83	248751	21.013	ug/L	99
32) 1,1,1-trichloroethane	10.66	97	189024	19.714	ug/L	98
33) carbon tetrachloride	11.23	117	150421	17.641	ug/L	99
34) 1,1-dichloropropene	11.03	75	195549	20.620	ug/L	97
36) tert-amyl methyl ether (TA	11.29	73	296587	19.562	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 9:58 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 29 10:37:09 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

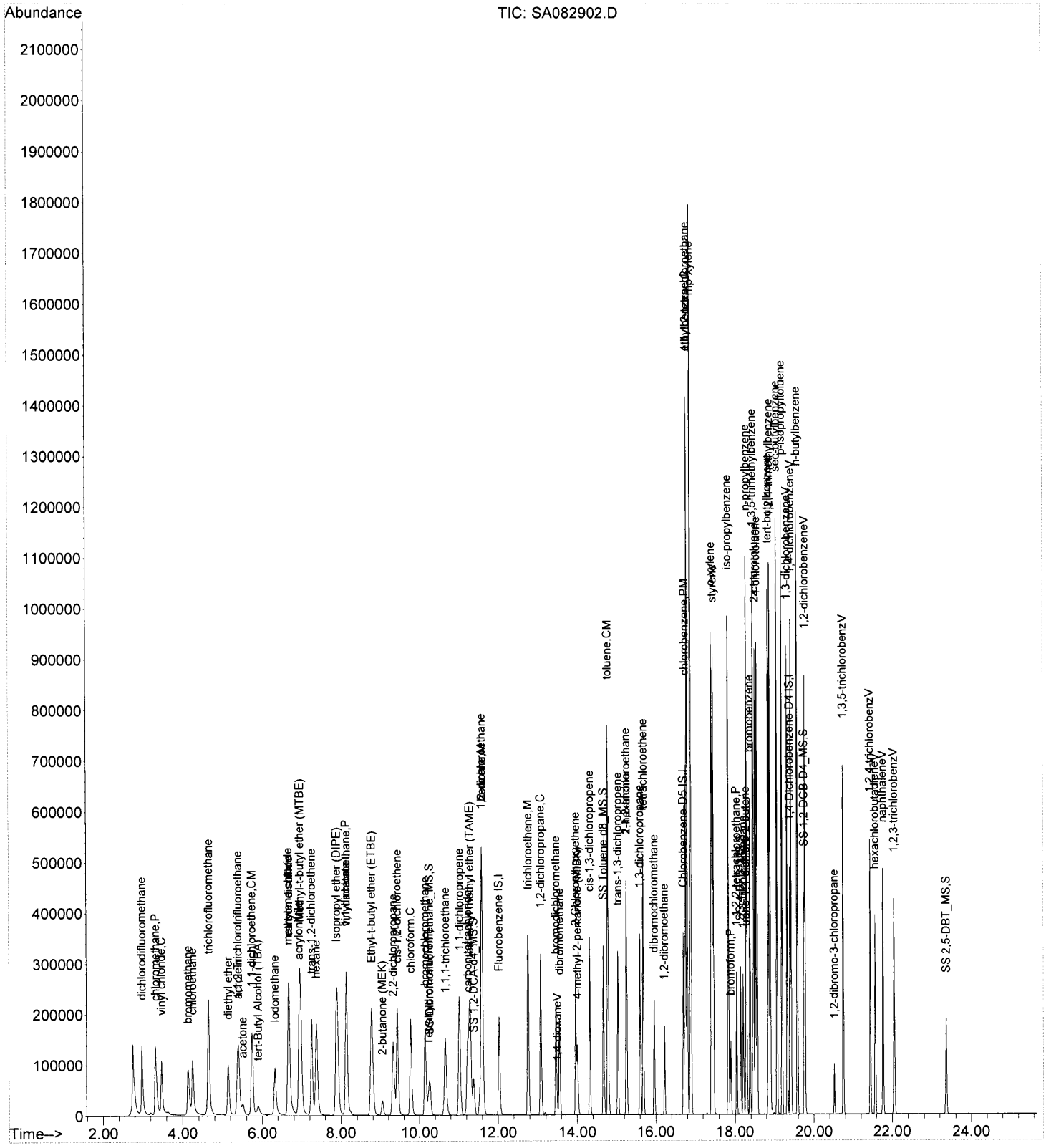
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
37)	benzene	11.60	78	591884	20.607 ug/L		99
38)	1,2-dichloroethane	11.59	62	185206	21.581 ug/L		100
39)	trichloroethene	12.77	95	150211	20.529 ug/L		99
40)	1,2-dichloropropane	13.08	63	153321	20.447 ug/L		98
41)	1,4-dioxaneV	13.51	88	4578	79.283 ug/L		97
42)	dibromomethane	13.55	93	80979	20.771 ug/L		99
43)	bromodichloromethane	13.47	83	173870	22.025 ug/L		99
44)	2-Chloroethoxyethene	13.97	63	124694	36.508 ug/L		96
45)	4-methyl-2-pentanone (MIBK	14.01	58	44808	21.847 ug/L		84
46)	cis-1,3-dichloropropene	14.32	75	196635	20.503 ug/L		96
49)	toluene	14.79	91	632672	21.534 ug/L		99
50)	trans-1,3-dichloropropene	15.05	75	166087	20.808 ug/L		97
51)	1,1,2-trichloroethane	15.26	83	95688	21.748 ug/L		98
52)	2-hexanone	15.26	43	85004	24.558 ug/L		97
53)	tetrachloroethene	15.69	166	158327	21.127 ug/L		98
54)	1,3-dichloropropane	15.60	76	193726	21.659 ug/L		95
55)	dibromochloromethane	15.96	129	122929	20.448 ug/L	#	100
56)	1,2-dibromoethane	16.22	107	117174	21.697 ug/L		100
57)	chlorobenzene	16.75	112	423823	21.564 ug/L		98
58)	1,1,1,2-tetrachloroethane	16.79	131	126009	22.707 ug/L		99
59)	ethylbenzene	16.80	91	725986	22.640 ug/L		100
60)	mp-xylene	16.89	106	574069	45.073 ug/L		98
61)	o-xylene	17.42	106	278224	21.984 ug/L		97
62)	styrene	17.46	104	470058	22.159 ug/L		98
63)	bromoform	17.89	173	64644	20.074 ug/L		99
64)	iso-propylbenzene	17.83	105	675739	22.284 ug/L		99
67)	bromobenzene	18.38	156	172515	21.524 ug/L		97
68)	1,1,2,2-tetrachloroethane	18.04	83	132534	22.183 ug/L		99
69)	1,2,3-trichloropropane	18.21	110	39676	22.311 ug/L		98
70)	trans-1,4-dichloro-2-buten	18.27	75	18839	18.057 ug/L	#	78
71)	n-propylbenzene	18.29	91	842618	22.990 ug/L		99
72)	2-chlorotoluene	18.52	91	509199	22.391 ug/L		99
73)	4-chlorotoluene	18.56	91	497843	22.397 ug/L		100
74)	1,3,5-trimethylbenzene	18.46	105	596363	22.848 ug/L		99
75)	tert-butylbenzene	18.85	119	510919	22.538 ug/L		99
76)	1,2,4-trimethylbenzene	18.89	105	612247	22.945 ug/L		99
77)	sec-butylbenzene	19.06	105	746996	22.950 ug/L		100
78)	1,3-dichlorobenzeneV	19.32	146	328930	22.081 ug/L		98
79)	p-isopropyltoluene	19.19	119	631746	23.153 ug/L		100
80)	1,4-dichlorobenzeneV	19.42	146	326168	22.015 ug/L		96
81)	1,2-dichlorobenzeneV	19.78	146	301007	22.014 ug/L		96
82)	n-butylbenzene	19.58	91	547839	23.341 ug/L		100
84)	1,2-dibromo-3-chloropropan	20.52	157	24103	20.853 ug/L		97
85)	1,3,5-trichlorobenzV	20.75	180	203204	21.747 ug/L		99
86)	1,2,4-trichlorobenzV	21.44	180	169799	21.655 ug/L		99
87)	hexachlorobutadieneV	21.56	225	80626	21.219 ug/L		98
88)	naphthaleneV	21.77	128	420177	23.062 ug/L		100
89)	1,2,3-trichlorobenzV	22.05	180	150839	22.035 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 9:58 am Operator: VG
Sample : STD 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 29 10:37 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082904.D Vial: 4
Acq On : 29 Aug 2011 11:06 am Operator: VG
Sample : BlnkA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:13:06 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	268833	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	203060	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	103959	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	63633	10.00	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.04%			
35) SS 1,2-DCA-d4_MS	11.39	65	72934	10.90	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.03%			
48) SS Toluene-d8_MS	14.67	98	263577	10.44	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.41%			
65) SS 4-BFB_MS	18.14	95	92717	9.67	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.67%			
83) SS 1,2-DCB-D4_MS	19.76	152	96730	10.55	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.47%			
90) SS 2,5-DBT_MS	23.36	250	196	0.08	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.20%#			

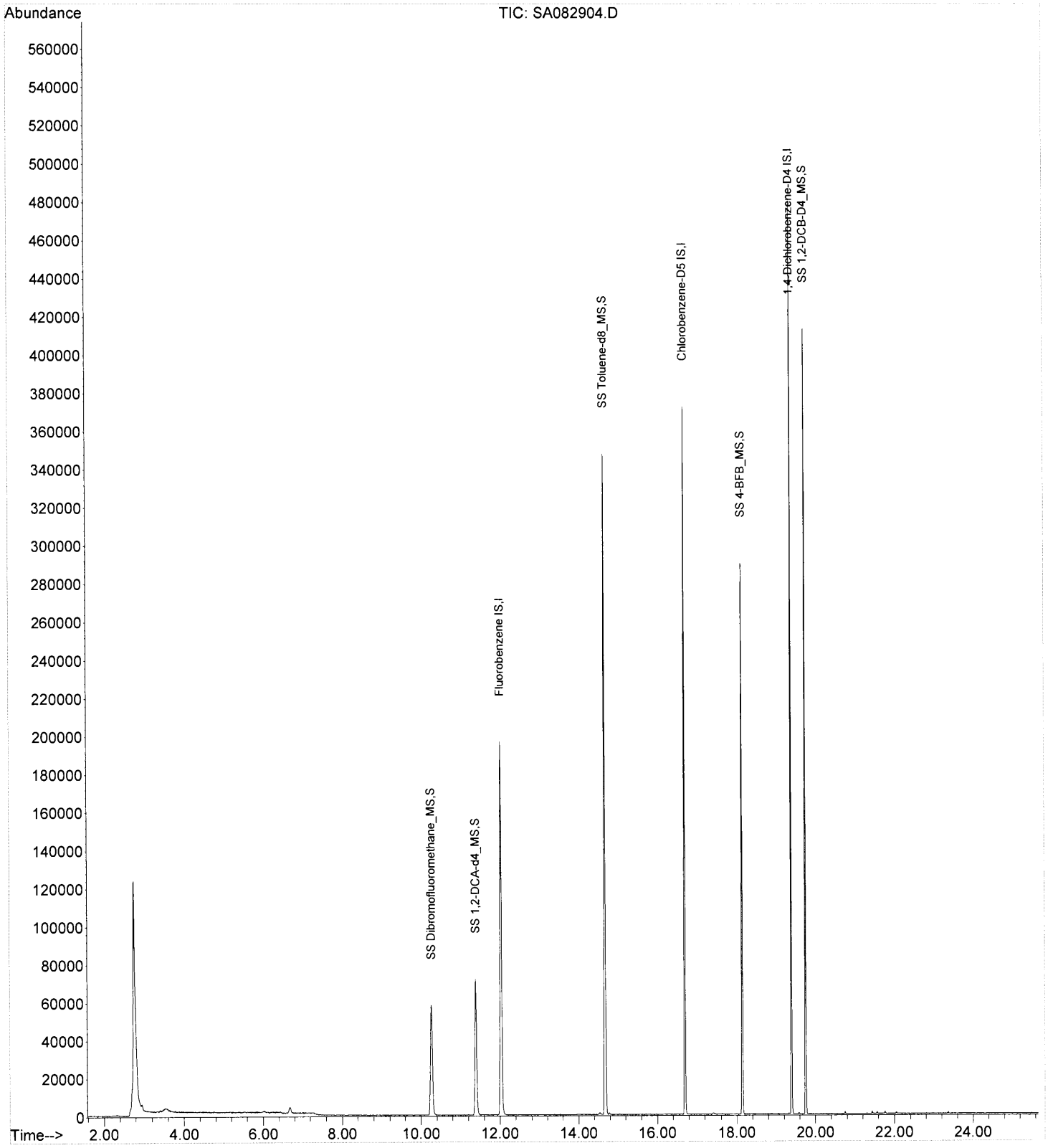
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082904.D Vial: 4
Acq On : 29 Aug 2011 11:06 am Operator: VG
Sample : BlnkA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 12:26 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082918.D Vial: 18
Acq On : 29 Aug 2011 7:04 pm Operator: VG
Sample : LCSaA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:03:23 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	266864	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	203278	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	108952	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	63821	10.11	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.08%			
35) SS 1,2-DCA-d4_MS	11.39	65	73207	11.03	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.25%			
48) SS Toluene-d8_MS	14.67	98	263609	10.43	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.31%			
65) SS 4-BFB_MS	18.14	95	97231	10.13	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.27%			
83) SS 1,2-DCB-D4_MS	19.76	152	98907	10.29	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.90%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	131668	18.177	ug/L	99
3) chloromethane	3.33	50	158762	19.061	ug/L	100
4) vinyl chloride	3.48	62	91316	22.166	ug/L	99
5) bromomethane	4.13	94	56358	14.047	ug/L	98
6) chloroethane	4.25	64	86996	21.339	ug/L	98
7) trichlorofluoromethane	4.65	101	190493	21.416	ug/L	99
8) diethyl ether	5.14	59	97783	19.055	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	5.40	101	113020	17.847	ug/L	99
11) acetone	5.51	43	32049	16.800	ug/L	92
12) 1,1-dichloroethene	5.74	96	105372	17.927	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.89	59	40542	100.438	ug/L #	84
14) Iodomethane	6.33	142	86151	14.614	ug/L #	98
15) methylene chloride	6.66	84	120186	18.103	ug/L	95
16) carbon disulfide	6.69	76	284222	14.309	ug/L	99
17) acrylonitrile	6.92	53	45735	19.121	ug/L	96
18) Methyl-t-butyl ether (MTBE	6.96	73	263342	18.835	ug/L #	94
19) trans-1,2-dichloroethene	7.25	96	121146	18.586	ug/L	98
21) Isopropyl ether (DIPE)	7.90	45	484916	19.664	ug/L	97
22) vinyl acetate	8.14	43	222704	24.503	ug/L	98
23) 1,1-dichloroethane	8.13	63	243821	19.099	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	8.77	59	363217	18.450	ug/L #	97
25) 2,2-dichloropropane	9.33	77	116795	13.625	ug/L #	77
26) cis-1,2-dichloroethene	9.43	61	210782	20.492	ug/L	93
27) 2-butanone (MEK)	9.04	43	56054	19.076	ug/L	96
28) bromochloromethane	10.14	128	68633	18.925	ug/L	95
29) Tetrahydrofuran (THF)	10.22	42	36985	21.593	ug/L	96
30) chloroform	9.78	83	234698	19.547	ug/L	99
32) 1,1,1-trichloroethane	10.66	97	169224	17.401	ug/L	97
33) carbon tetrachloride	11.23	117	127270	14.941	ug/L	99
34) 1,1-dichloropropene	11.02	75	182533	18.977	ug/L	96
36) tert-amyl methyl ether (TA	11.29	73	287047	18.666	ug/L #	46
37) benzene	11.60	78	563284	19.336	ug/L	99
38) 1,2-dichloroethane	11.58	62	175770	20.194	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082918.D Vial: 18
Acq On : 29 Aug 2011 7:04 pm Operator: VG
Sample : LCSaA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:03:23 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

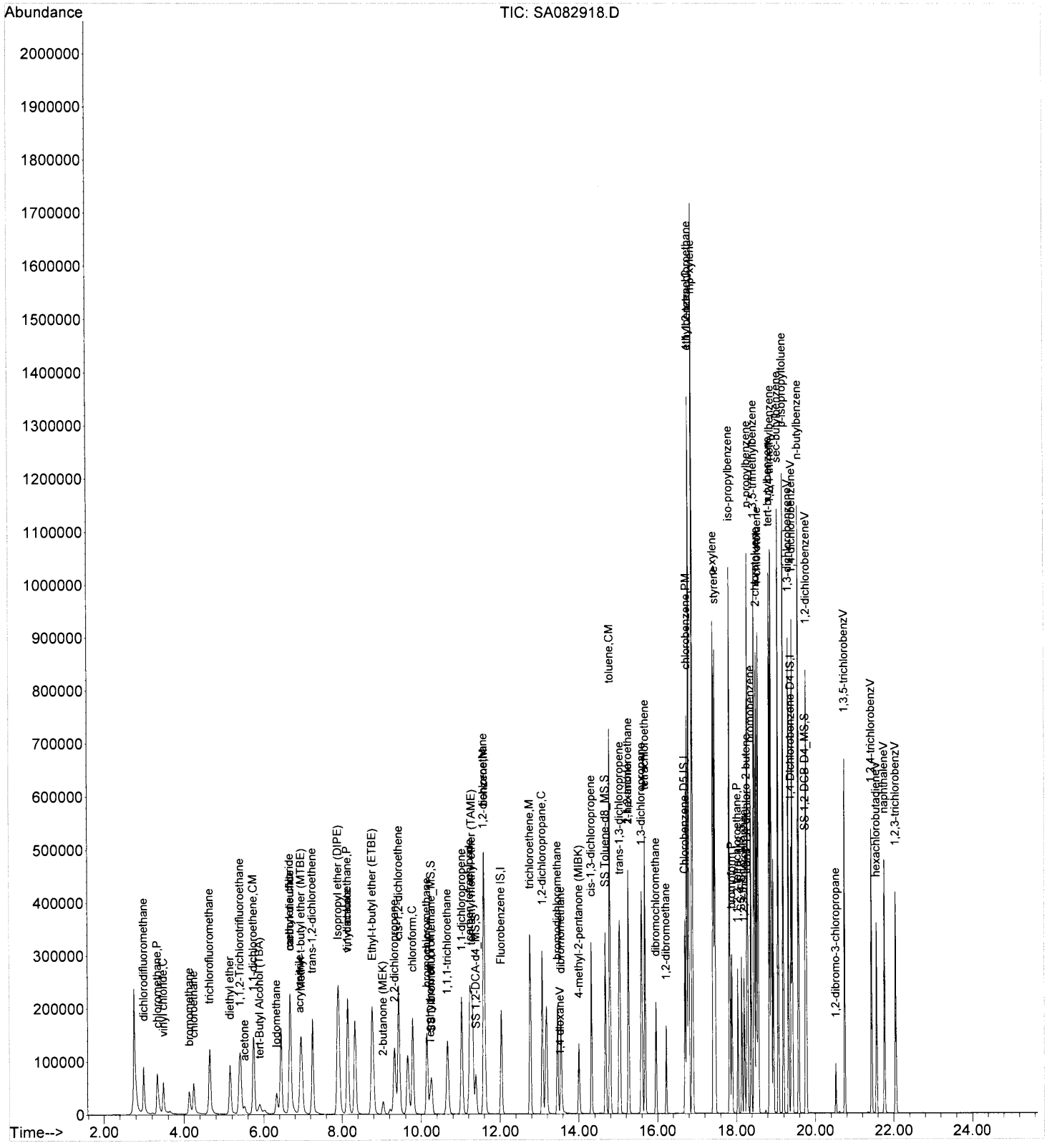
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) trichloroethene	12.77	95	141079	19.010 ug/L	99
40) 1,2-dichloropropane	13.08	63	147069	19.337 ug/L	97
41) 1,4-dioxaneV	13.52	88	1504m	25.680 ug/L	
42) dibromomethane	13.55	93	77635	19.634 ug/L	98
43) bromodichloromethane	13.47	83	154813	19.335 ug/L	99
45) 4-methyl-2-pentanone (MIBK	14.01	58	43207	20.770 ug/L #	75
46) cis-1,3-dichloropropene	14.32	75	182932	18.806 ug/L	96
49) toluene	14.79	91	602527	20.222 ug/L	99
50) trans-1,3-dichloropropene	15.04	75	150019	18.532 ug/L #	70
51) 1,1,2-trichloroethane	15.26	83	96407	21.605 ug/L	98
52) 2-hexanone	15.26	43	78934	22.485 ug/L	96
53) tetrachloroethene	15.69	166	162140	21.334 ug/L	97
54) 1,3-dichloropropane	15.60	76	192266	21.195 ug/L #	78
55) dibromochloromethane	15.96	129	111181	18.372 ug/L #	99
56) 1,2-dibromoethane	16.22	107	111110	20.286 ug/L	100
57) chlorobenzene	16.75	112	403670	20.252 ug/L	98
58) 1,1,1,2-tetrachloroethane	16.79	131	111370	19.789 ug/L	99
59) ethylbenzene	16.79	91	698545	21.479 ug/L	99
60) mp-xylene	16.89	106	551569	42.701 ug/L	99
61) o-xylene	17.42	106	267969	20.877 ug/L	99
62) styrene	17.46	104	441412	20.517 ug/L	98
63) bromoform	17.89	173	61376	19.005 ug/L #	93
64) iso-propylbenzene	17.83	105	704956	22.923 ug/L	99
67) bromobenzene	18.38	156	164088	20.227 ug/L	96
68) 1,1,2,2-tetrachloroethane	18.04	83	130353	21.556 ug/L	99
69) 1,2,3-trichloropropane	18.21	110	39962	22.202 ug/L	99
70) trans-1,4-dichloro-2-buten	18.27	75	35962	31.062 ug/L #	54
71) n-propylbenzene	18.29	91	823513	22.199 ug/L	99
72) 2-chlorotoluene	18.52	91	485015	21.072 ug/L	99
73) 4-chlorotoluene	18.56	91	475076	21.116 ug/L	100
74) 1,3,5-trimethylbenzene	18.46	105	574640	21.752 ug/L	99
75) tert-butylbenzene	18.85	119	496291	21.630 ug/L	99
76) 1,2,4-trimethylbenzene	18.89	105	598745	22.170 ug/L	99
77) sec-butylbenzene	19.06	105	725147	22.012 ug/L	100
78) 1,3-dichlorobenzeneV	19.32	146	320048	21.227 ug/L	99
79) p-isopropyltoluene	19.19	119	622359	22.535 ug/L	100
80) 1,4-dichlorobenzeneV	19.42	146	319002	21.273 ug/L	96
81) 1,2-dichlorobenzeneV	19.78	146	293682	21.220 ug/L	96
82) n-butylbenzene	19.58	91	530032	22.311 ug/L	99
84) 1,2-dibromo-3-chloropropan	20.52	157	22601	19.529 ug/L	97
85) 1,3,5-trichlorobenzV	20.75	180	195429	20.664 ug/L	99
86) 1,2,4-trichlorobenzV	21.44	180	169951	21.414 ug/L	99
87) hexachlorobutadieneV	21.56	225	74012	19.245 ug/L	98
88) naphthaleneV	21.77	128	413548	22.426 ug/L	100
89) 1,2,3-trichlorobenzV	22.05	180	145085	20.940 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082918.D Vial: 18
Acq On : 29 Aug 2011 7:04 pm Operator: VG
Sample : LCSaA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 31 8:18 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082919.D Vial: 19
Acq On : 29 Aug 2011 7:38 pm Operator: VG
Sample : LCSDA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:03:43 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	274828	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	209182	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	112694	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	66831	10.28	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.78%			
35) SS 1,2-DCA-d4_MS	11.39	65	74453	10.89	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.88%			
48) SS Toluene-d8_MS	14.67	98	272540	10.48	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.80%			
65) SS 4-BFB_MS	18.14	95	99640	10.08	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.85%			
83) SS 1,2-DCB-D4_MS	19.76	152	100130	10.07	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.71%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	122858	16.470	ug/L	100
3) chloromethane	3.33	50	149405	17.418	ug/L	99
4) vinyl chloride	3.48	62	82873	19.534	ug/L	100
5) bromomethane	4.13	94	52779	12.774	ug/L	97
6) chloroethane	4.25	64	81960	19.522	ug/L	99
7) trichlorofluoromethane	4.65	101	178680	19.506	ug/L	100
8) diethyl ether	5.15	59	94387	17.861	ug/L	99
9) 1,1,2-Trichlorotrifluoroet	5.40	101	105442	16.168	ug/L	100
11) acetone	5.51	43	28621	14.568	ug/L	97
12) 1,1-dichloroethene	5.74	96	99343	16.412	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.89	59	41200	99.111	ug/L #	87
14) Iodomethane	6.33	142	77359	13.117	ug/L #	98
15) methylene chloride	6.66	84	114628	16.766	ug/L	96
16) carbon disulfide	6.69	76	262130	12.814	ug/L	98
17) acrylonitrile	6.92	53	43728	17.752	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.96	73	256590	17.820	ug/L	95
19) trans-1,2-dichloroethene	7.25	96	113641	16.930	ug/L	97
21) Isopropyl ether (DIPE)	7.90	45	472719	18.614	ug/L	97
22) vinyl acetate	8.14	43	224654	24.001	ug/L	99
23) 1,1-dichloroethane	8.13	63	235017	17.876	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	8.77	59	357156	17.616	ug/L #	97
25) 2,2-dichloropropane	9.33	77	115136	13.042	ug/L #	81
26) cis-1,2-dichloroethene	9.43	61	202160	19.084	ug/L	93
27) 2-butanone (MEK)	9.05	43	54321	17.951	ug/L	96
28) bromochloromethane	10.14	128	68140	18.244	ug/L	96
29) Tetrahydrofuran (THF)	10.22	42	35489	20.119	ug/L	98
30) chloroform	9.78	83	226926	18.352	ug/L	99
32) 1,1,1-trichloroethane	10.67	97	165249	16.500	ug/L	98
33) carbon tetrachloride	11.23	117	124845	14.296	ug/L	99
34) 1,1-dichloropropene	11.02	75	174720	17.639	ug/L	97
36) tert-amyl methyl ether (TA	11.29	73	284779	17.982	ug/L #	47
37) benzene	11.60	78	542337	18.077	ug/L	99
38) 1,2-dichloroethane	11.58	62	171792	19.165	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082919.D Vial: 19
Acq On : 29 Aug 2011 7:38 pm Operator: VG
Sample : LCSDA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:03:43 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

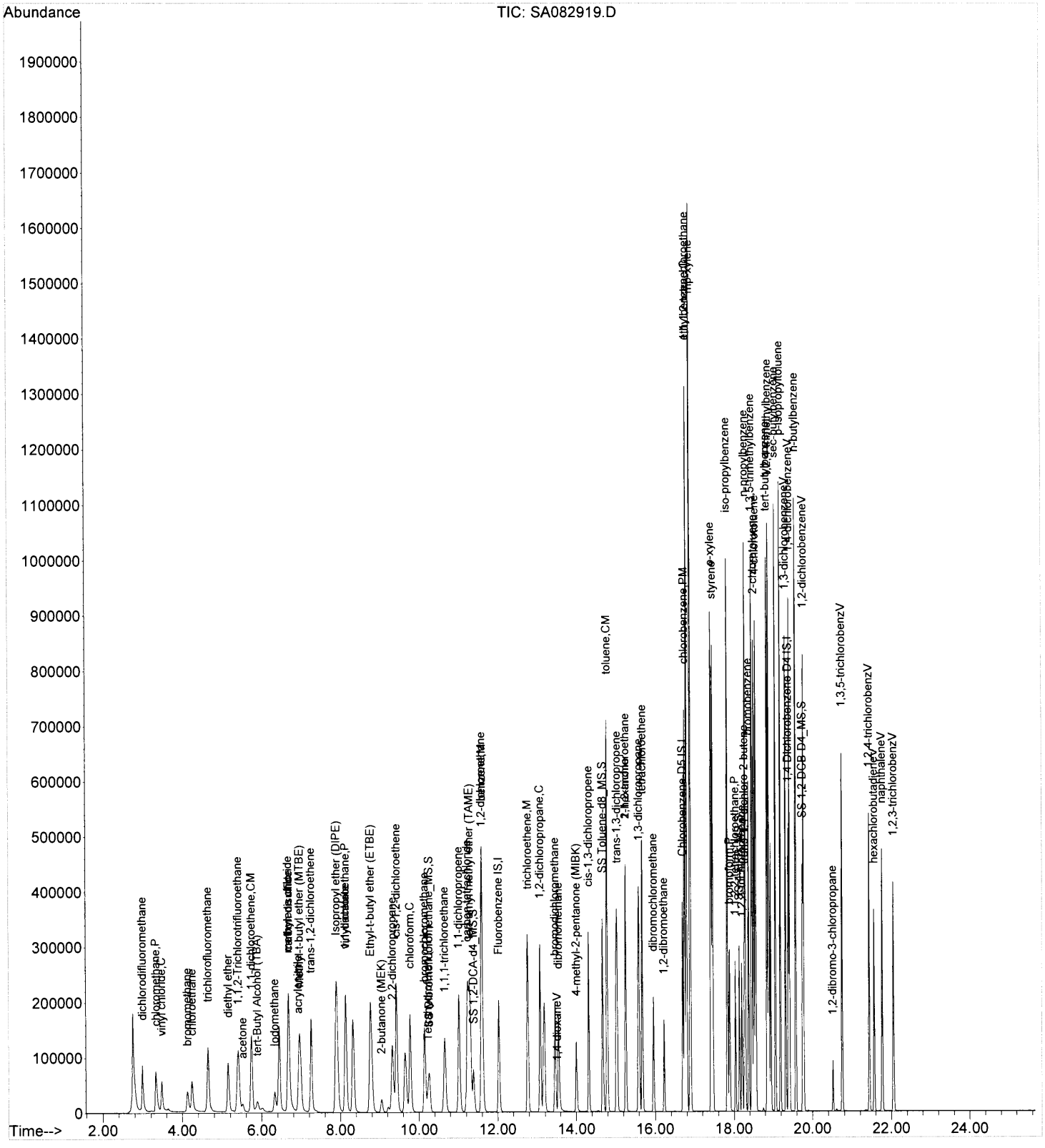
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	trichloroethene	12.76	95	134324	17.575 ug/L		99
40)	1,2-dichloropropane	13.08	63	144321	18.426 ug/L		97
41)	1,4-dioxaneV	13.51	88	1608	26.661 ug/L	#	84
42)	dibromomethane	13.55	93	76697	18.834 ug/L		98
43)	bromodichloromethane	13.47	83	151429	18.364 ug/L		99
45)	4-methyl-2-pentanone (MIBK	14.01	58	41566	19.402 ug/L	#	74
46)	cis-1,3-dichloropropene	14.32	75	180332	18.002 ug/L		96
49)	toluene	14.79	91	584642	19.068 ug/L		99
50)	trans-1,3-dichloropropene	15.04	75	148848	17.868 ug/L	#	70
51)	1,1,2-trichloroethane	15.26	83	93758	20.418 ug/L		98
52)	2-hexanone	15.26	43	75731	20.964 ug/L		96
53)	tetrachloroethene	15.69	166	152370	19.482 ug/L		97
54)	1,3-dichloropropane	15.60	76	186928	20.025 ug/L	#	78
55)	dibromochloromethane	15.96	129	110196	17.742 ug/L	#	100
56)	1,2-dibromoethane	16.22	107	110366	19.582 ug/L		99
57)	chlorobenzene	16.75	112	394052	19.211 ug/L		99
58)	1,1,1,2-tetrachloroethane	16.79	131	110611	19.099 ug/L		99
59)	ethylbenzene	16.79	91	674607	20.158 ug/L		99
60)	mp-xylene	16.89	106	528827	39.785 ug/L		98
61)	o-xylene	17.42	106	260094	19.692 ug/L		98
62)	styrene	17.46	104	428981	19.377 ug/L		98
63)	bromoform	17.89	173	60556	18.359 ug/L	#	92
64)	iso-propylbenzene	17.83	105	676889	21.389 ug/L		99
67)	bromobenzene	18.38	156	161840	19.287 ug/L		96
68)	1,1,2,2-tetrachloroethane	18.03	83	128452	20.537 ug/L		99
69)	1,2,3-trichloropropane	18.21	110	39097	21.000 ug/L		99
70)	trans-1,4-dichloro-2-buten	18.27	75	36097	30.243 ug/L	#	55
71)	n-propylbenzene	18.29	91	796309	20.753 ug/L		99
72)	2-chlorotoluene	18.52	91	473527	19.889 ug/L		99
73)	4-chlorotoluene	18.56	91	463061	19.898 ug/L		100
74)	1,3,5-trimethylbenzene	18.46	105	555737	20.338 ug/L		100
75)	tert-butylbenzene	18.84	119	478099	20.145 ug/L		100
76)	1,2,4-trimethylbenzene	18.89	105	579752	20.754 ug/L		99
77)	sec-butylbenzene	19.06	105	697078	20.457 ug/L		100
78)	1,3-dichlorobenzeneV	19.32	146	311036	19.944 ug/L		98
79)	p-isopropyltoluene	19.19	119	596627	20.886 ug/L		100
80)	1,4-dichlorobenzeneV	19.42	146	316360	20.396 ug/L		97
81)	1,2-dichlorobenzeneV	19.78	146	289495	20.223 ug/L		96
82)	n-butylbenzene	19.58	91	514147	20.924 ug/L		99
84)	1,2-dibromo-3-chloropropan	20.52	157	22182	18.676 ug/L		98
85)	1,3,5-trichlorobenzV	20.75	180	194029	19.835 ug/L		99
86)	1,2,4-trichlorobenzV	21.44	180	168770	20.559 ug/L		99
87)	hexachlorobutadieneV	21.56	225	72520	18.231 ug/L		97
88)	naphthaleneV	21.77	128	406875	21.331 ug/L		99
89)	1,2,3-trichlorobenzV	22.05	180	144212	20.123 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082919.D Vial: 19
Acq On : 29 Aug 2011 7:38 pm Operator: VG
Sample : LCSDA082911VNH822 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:03 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082912.D Vial: 12
Acq On : 29 Aug 2011 3:39 pm Operator: VG
Sample : 102479.02 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:35 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	274437	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	207243	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	107055	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS Dibromofluoromethane_MS	10.27	111	64787	9.98 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.77%		
35) SS 1,2-DCA-d4_MS	11.39	65	74522	10.91 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.13%		
48) SS Toluene-d8_MS	14.67	98	270016	10.48 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.80%		
65) SS 4-BFB_MS	18.14	95	95924	9.80 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.99%		
83) SS 1,2-DCB-D4_MS	19.75	152	100157	10.60 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.05%		
90) SS 2,5-DBT_MS	0.00	250	0	0.00 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#		
Target Compounds					Qvalue
6) chloroethane	4.25	64	23838	5.686 ug/L	97
8) diethyl ether	5.15	59	63572	12.047 ug/L	97
11) acetone	5.51	43	2066	1.053 ug/L #	68
13) tert-Butyl Alcohol (TBA)	5.90	59	4616	11.120 ug/L	94
18) Methyl-t-butyl ether (MTBE	6.96	73	4600	0.320 ug/L #	88
29) Tetrahydrofuran (THF)	10.23	42	6453	3.663 ug/L	91
37) benzene	11.60	78	34285	1.144 ug/L	98
41) 1,4-dioxaneV	13.51	88	1219	20.240 ug/L	89
57) chlorobenzene	16.75	112	67831	3.338 ug/L	99
70) trans-1,4-dichloro-2-buten	18.13	75	43143	37.179 ug/L #	1
78) 1,3-dichlorobenzeneV	19.42	146	21996	1.485 ug/L	94
80) 1,4-dichlorobenzeneV	19.42	146	21996	1.493 ug/L	92
81) 1,2-dichlorobenzeneV	19.78	146	5884	0.433 ug/L #	1

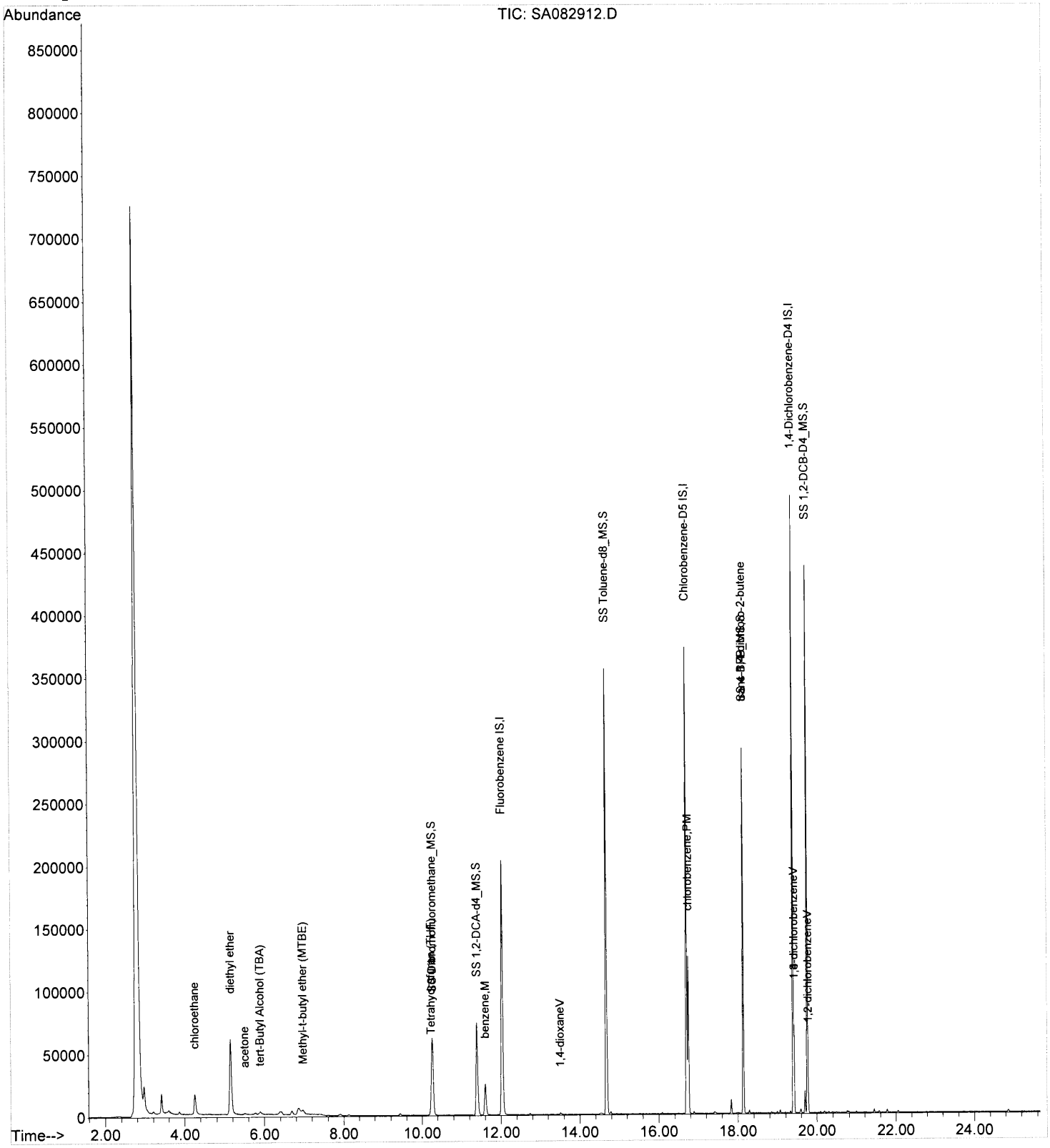
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082912.D Vial: 12
Acq On : 29 Aug 2011 3:39 pm Operator: VG
Sample : 102479.02 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:04 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082913.D Vial: 13
Acq On : 29 Aug 2011 4:13 pm Operator: VG
Sample : 102479.03 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:39 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	276462	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	209010	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	107917	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS Dibromofluoromethane_MS	10.27	111	64957	9.93 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.30%		
35) SS 1,2-DCA-d4_MS	11.39	65	75508	10.98 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.77%		
48) SS Toluene-d8_MS	14.67	98	271301	10.44 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.41%		
65) SS 4-BFB_MS	18.13	95	95906	9.71 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.15%		
83) SS 1,2-DCB-D4_MS	19.75	152	99886	10.49 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.92%		
90) SS 2,5-DBT_MS	0.00	250	0	0.00 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#		
Target Compounds					Qvalue
6) chloroethane	4.25	64	25543	6.048 ug/L	99
8) diethyl ether	5.15	59	68880	12.957 ug/L	97
11) acetone	5.51	43	1425	0.721 ug/L #	53
13) tert-Butyl Alcohol (TBA)	5.90	59	3595	8.597 ug/L #	80
29) Tetrahydrofuran (THF)	10.24	42	4938	2.783 ug/L	93
37) benzene	11.60	78	44748	1.483 ug/L	98
41) 1,4-dioxaneV	13.51	88	898	14.801 ug/L #	80
57) chlorobenzene	16.75	112	78765	3.843 ug/L	100
64) iso-propylbenzene	17.83	105	21428	0.678 ug/L	97
70) trans-1,4-dichloro-2-buten	18.13	75	43527	37.207 ug/L #	1
78) 1,3-dichlorobenzeneV	19.42	146	16088	1.077 ug/L	94
80) 1,4-dichlorobenzeneV	19.42	146	16088	1.083 ug/L	92
81) 1,2-dichlorobenzeneV	19.78	146	5615	0.410 ug/L #	1

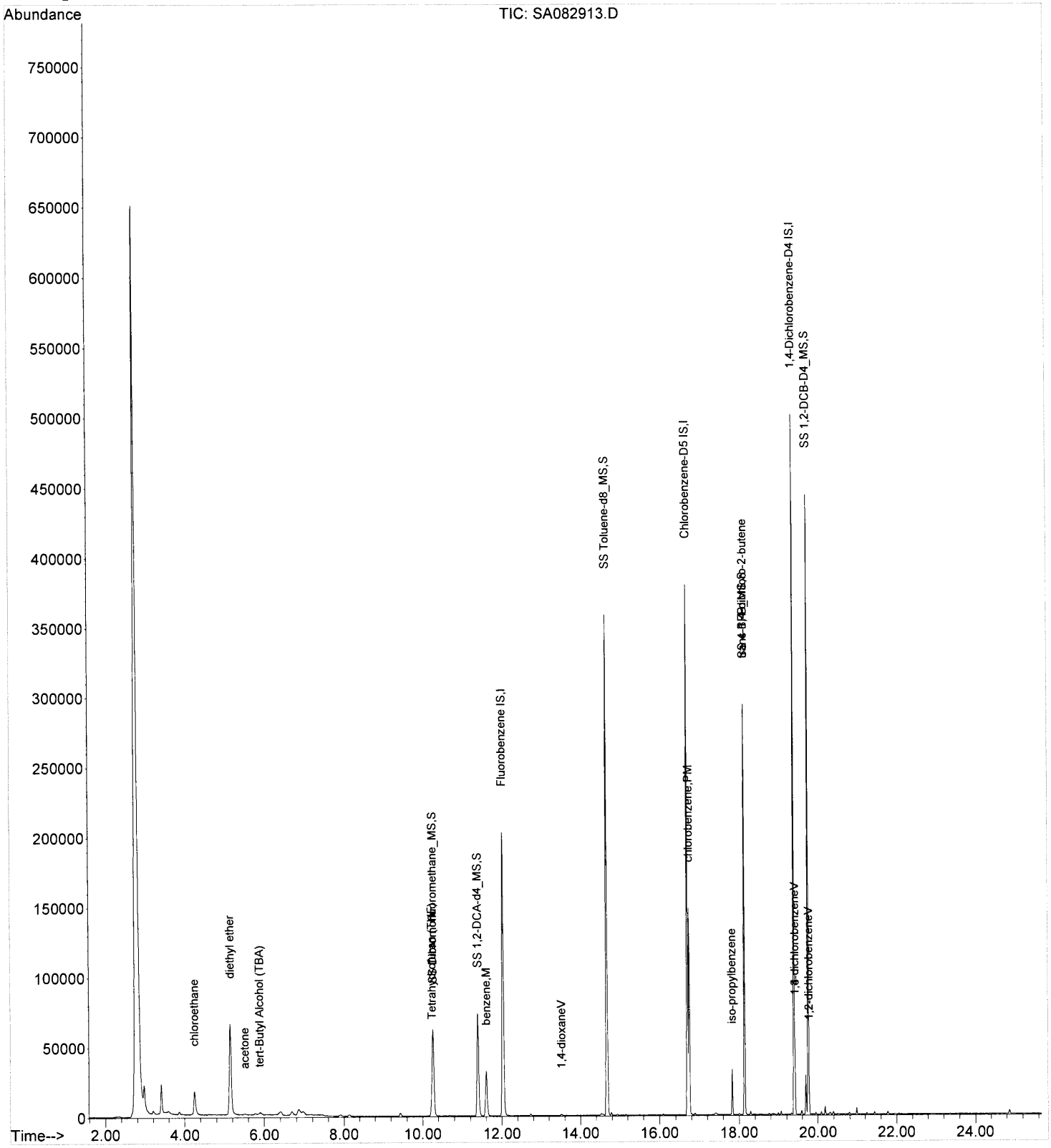
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082913.D Vial: 13
Acq On : 29 Aug 2011 4:13 pm Operator: VG
Sample : 102479.03 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:04 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082906.D Vial: 6
Acq On : 29 Aug 2011 12:14 pm Operator: VG
Sample : 102479.04 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:11 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	263611	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	198081	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	102547	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS Dibromofluoromethane_MS	10.27	111	63257	10.14 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.42%		
35) SS 1,2-DCA-d4_MS	11.39	65	70976	10.82 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.21%		
48) SS Toluene-d8_MS	14.67	98	261010	10.60 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.99%		
65) SS 4-BFB_MS	18.14	95	92507	9.89 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.87%		
83) SS 1,2-DCB-D4_MS	19.76	152	94615	10.46 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.58%		
90) SS 2,5-DBT_MS	0.00	250	0	0.00 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#		
Target Compounds					Qvalue
6) chloroethane	4.26	64	28909	~~7.179 ug/L~~	95
8) diethyl ether	5.15	59	162382	~~32.034 ug/L~~	98
11) acetone	5.51	43	1776	0.942 ug/L #	81
13) tert-Butyl Alcohol (TBA)	5.91	59	5815	14.584 ug/L #	89
23) 1,1-dichloroethane	8.14	63	7756	0.615 ug/L #	95
29) Tetrahydrofuran (THF)	10.22	42	68100	~~40.249 ug/L~~	97
37) benzene	11.60	78	101025	~~3.511 ug/L~~	99
38) 1,2-dichloroethane	11.59	62	5009	0.583 ug/L #	66
41) 1,4-dioxaneV	13.50	88	2676	~~46.256 ug/L~~ #	82
52) 2-hexanone	15.15	43	2433	0.711 ug/L #	38
57) chlorobenzene	16.75	112	44259	~~2.279 ug/L~~	98
64) iso-propylbenzene	17.83	105	58874	~~1.965 ug/L~~	99
70) trans-1,4-dichloro-2-buten	18.14	75	41811	37.575 ug/L #	1
78) 1,3-dichlorobenzeneV	19.42	146	40585	~~2.860 ug/L~~	95
80) 1,4-dichlorobenzeneV	19.42	146	40585	~~2.875 ug/L~~	96
88) naphthaleneV	21.77	128	13251	0.763 ug/L #	98

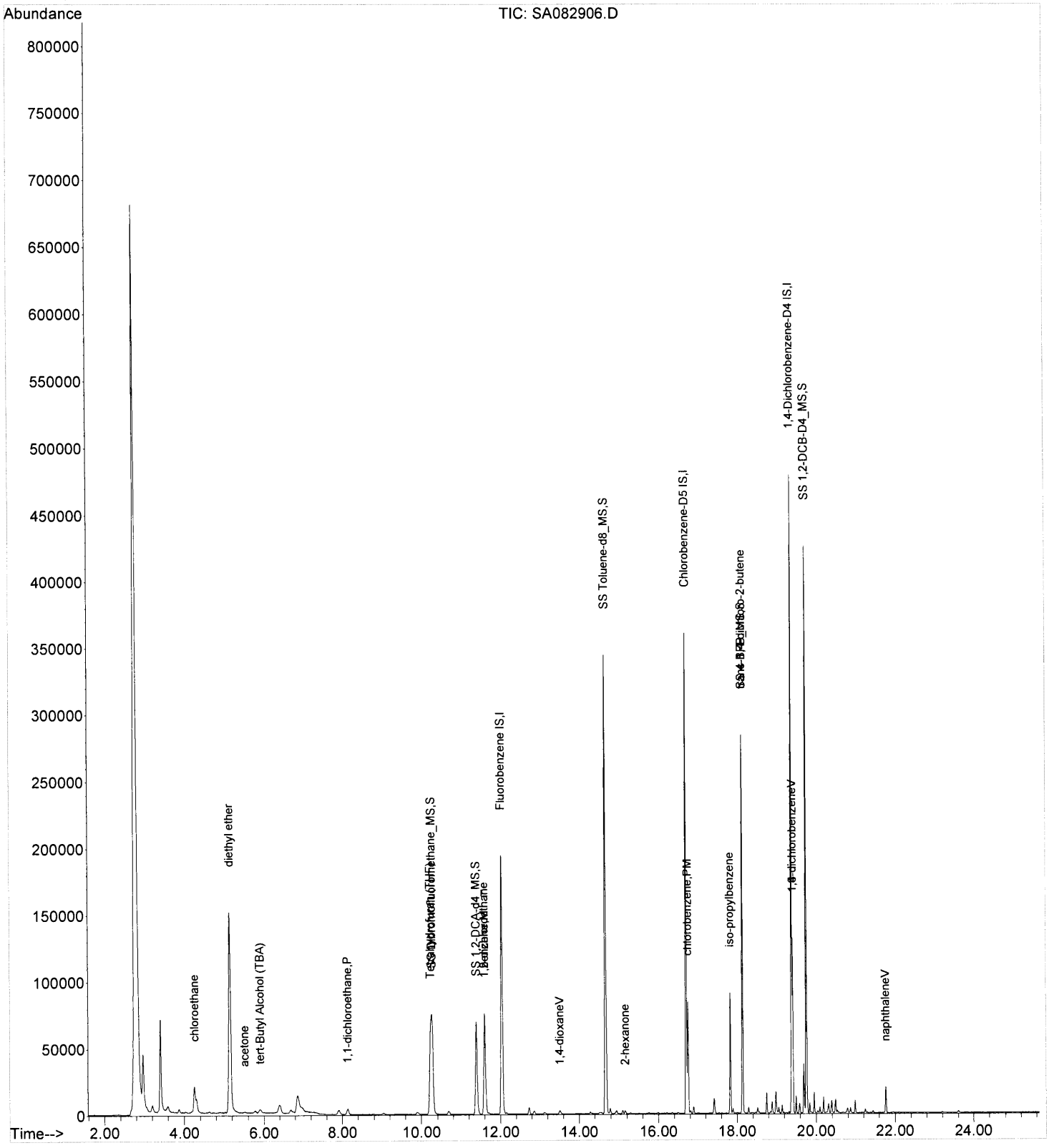
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082906.D Vial: 6
Acq On : 29 Aug 2011 12:14 pm Operator: VG
Sample : 102479.04 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:04 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082909.D Vial: 9
Acq On : 29 Aug 2011 1:56 pm Operator: VG
Sample : 102479.04MS Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:25 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	276260	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	209625	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	112382	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	66532	10.18	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.79%			
35) SS 1,2-DCA-d4_MS	11.39	65	74021	10.77	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.68%			
48) SS Toluene-d8_MS	14.67	98	275681	10.58	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.78%			
65) SS 4-BFB_MS	18.14	95	99136	10.01	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.12%			
83) SS 1,2-DCB-D4_MS	19.75	152	101545	10.24	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.42%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	147172	19.627	ug/L	99
3) chloromethane	3.33	50	169751	19.687	ug/L	100
4) vinyl chloride	3.48	62	101028	23.689	ug/L	99
5) bromomethane	4.14	94	58238	14.022	ug/L	99
6) chloroethane	4.25	64	123345	29.227	ug/L	98
7) trichlorofluoromethane	4.66	101	207832	22.571	ug/L	100
8) diethyl ether	5.15	59	259636	48.875	ug/L	99
9) 1,1,2-Trichlorotrifluoroet	5.41	101	113869	17.370	ug/L	99
11) acetone	5.52	43	29230	14.801	ug/L	98
12) 1,1-dichloroethene	5.74	96	107723	17.704	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.89	59	41369	99.001	ug/L #	86
14) Iodomethane	6.33	142	102271	16.330	ug/L #	98
15) methylene chloride	6.67	84	117481	17.094	ug/L	96
16) carbon disulfide	6.70	76	293132	14.255	ug/L	99
17) acrylonitrile	6.93	53	40977	16.549	ug/L	96
18) Methyl-t-butyl ether (MTBE	6.96	73	253609	17.522	ug/L	96
19) trans-1,2-dichloroethene	7.25	96	122818	18.202	ug/L	98
21) Isopropyl ether (DIPE)	7.90	45	480679	18.829	ug/L	98
22) vinyl acetate	8.14	43	245494	26.092	ug/L	99
23) 1,1-dichloroethane	8.14	63	253836	19.208	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	8.77	59	354733	17.406	ug/L	97
25) 2,2-dichloropropane	9.33	77	136930	15.430	ug/L #	84
26) cis-1,2-dichloroethene	9.44	61	210620	19.780	ug/L	93
27) 2-butanone (MEK)	9.04	43	53416	17.560	ug/L	97
28) bromochloromethane	10.15	128	66937	17.829	ug/L	96
29) Tetrahydrofuran (THF)	10.22	42	101513	57.251	ug/L	98
30) chloroform	9.78	83	231587	18.632	ug/L	100
32) 1,1,1-trichloroethane	10.67	97	179575	17.837	ug/L	98
33) carbon tetrachloride	11.23	117	138261	15.612	ug/L	99
34) 1,1-dichloropropene	11.03	75	187677	18.848	ug/L	98
36) tert-amyl methyl ether (TA	11.29	73	278747	17.510	ug/L #	45
37) benzene	11.60	78	662637	21.973	ug/L	99
38) 1,2-dichloroethane	11.59	62	172591	19.154	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082909.D Vial: 9
Acq On : 29 Aug 2011 1:56 pm Operator: VG
Sample : 102479.04MS Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:25 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

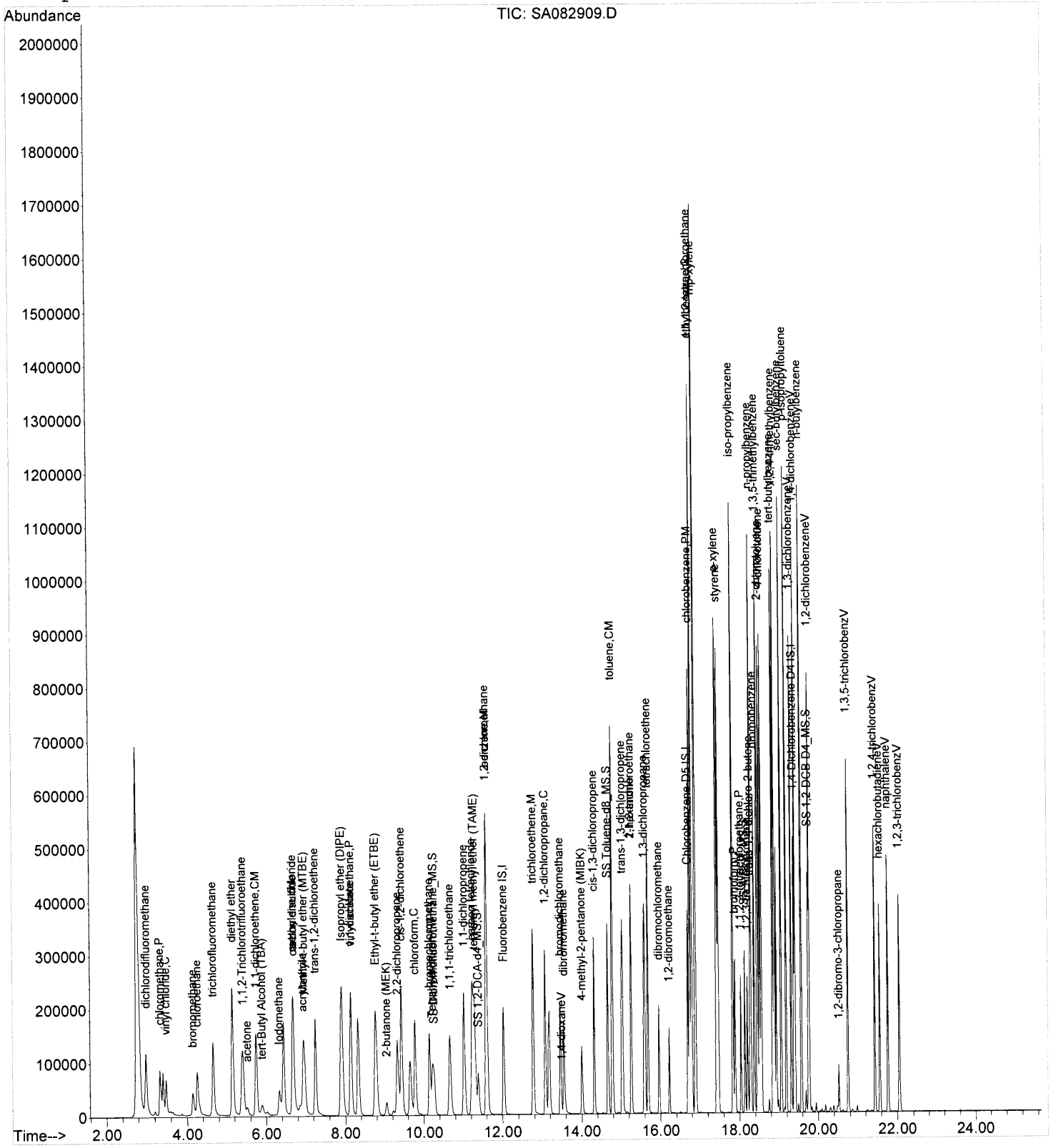
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.77	95	142437	18.540	ug/L		98
40)	1,2-dichloropropane	13.08	63	146025	18.547	ug/L		98
41)	1,4-dioxaneV	13.51	88	4400	72.574	ug/L	#	95
42)	dibromomethane	13.56	93	72933	17.817	ug/L		99
43)	bromodichloromethane	13.47	83	153790	18.554	ug/L		99
45)	4-methyl-2-pentanone (MIBK	14.01	58	41259	19.159	ug/L	#	75
46)	cis-1,3-dichloropropene	14.32	75	186114	18.483	ug/L		96
49)	toluene	14.79	91	605525	19.707	ug/L		100
50)	trans-1,3-dichloropropene	15.04	75	149371	17.893	ug/L	#	72
51)	1,1,2-trichloroethane	15.26	83	89412	19.430	ug/L		99
52)	2-hexanone	15.26	43	74430	20.560	ug/L		97
53)	tetrachloroethene	15.69	166	159833	20.393	ug/L		98
54)	1,3-dichloropropane	15.60	76	179028	19.138	ug/L	#	77
55)	dibromochloromethane	15.96	129	107712	17.337	ug/L	#	99
56)	1,2-dibromoethane	16.22	107	105890	18.748	ug/L		100
57)	chlorobenzene	16.75	112	449641	21.875	ug/L		99
58)	1,1,1,2-tetrachloroethane	16.79	131	111974	19.294	ug/L		100
59)	ethylbenzene	16.79	91	698332	20.823	ug/L		100
60)	mp-xylene	16.89	106	554336	41.616	ug/L		99
61)	o-xylene	17.42	106	268389	20.277	ug/L		98
62)	styrene	17.46	104	436393	19.670	ug/L		98
63)	bromoform	17.89	173	58139	17.728	ug/L	#	93
64)	iso-propylbenzene	17.83	105	773137	24.378	ug/L		99
67)	bromobenzene	18.38	156	161888	19.346	ug/L		97
68)	1,1,2,2-tetrachloroethane	18.04	83	120164	19.265	ug/L		99
69)	1,2,3-trichloropropane	18.21	110	36255	19.528	ug/L		99
70)	trans-1,4-dichloro-2-buten	18.27	75	35840	30.126	ug/L	#	57
71)	n-propylbenzene	18.29	91	834435	21.807	ug/L		99
72)	2-chlorotoluene	18.52	91	483151	20.350	ug/L		99
73)	4-chlorotoluene	18.56	91	473842	20.418	ug/L		99
74)	1,3,5-trimethylbenzene	18.46	105	574400	21.079	ug/L		99
75)	tert-butylbenzene	18.85	119	499479	21.105	ug/L		99
76)	1,2,4-trimethylbenzene	18.89	105	598008	21.467	ug/L		99
77)	sec-butylbenzene	19.06	105	732771	21.564	ug/L		100
78)	1,3-dichlorobenzeneV	19.32	146	319076	20.516	ug/L		99
79)	p-isopropyltoluene	19.19	119	619424	21.745	ug/L		100
80)	1,4-dichlorobenzeneV	19.42	146	358305	23.165	ug/L		97
81)	1,2-dichlorobenzeneV	19.78	146	290263	20.333	ug/L		97
82)	n-butylbenzene	19.58	91	541963	22.117	ug/L		99
84)	1,2-dibromo-3-chloropropan	20.52	157	20892	17.797	ug/L		96
85)	1,3,5-trichlorobenzV	20.75	180	196490	20.142	ug/L		99
86)	1,2,4-trichlorobenzV	21.44	180	168489	20.582	ug/L		99
87)	hexachlorobutadieneV	21.56	225	78203	19.714	ug/L		98
88)	naphthaleneV	21.76	128	405817	21.335	ug/L		100
89)	1,2,3-trichlorobenzV	22.05	180	141478	19.796	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082909.D Vial: 9
Acq On : 29 Aug 2011 1:56 pm Operator: VG
Sample : 102479.04MS Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:04 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082910.D Vial: 10
Acq On : 29 Aug 2011 2:31 pm Operator: VG
Sample : 102479.04MSD Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:30 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	275262	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	208104	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	110472	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.26	111	66590	10.22	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.24%			
35) SS 1,2-DCA-d4_MS	11.39	65	74499	10.88	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.77%			
48) SS Toluene-d8_MS	14.67	98	271155	10.48	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.80%			
65) SS 4-BFB_MS	18.14	95	97835	9.95	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.53%			
83) SS 1,2-DCB-D4_MS	19.76	152	101701	10.44	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.35%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.99	85	152276	20.381	ug/L	100
3) chloromethane	3.33	50	178014	20.720	ug/L	100
4) vinyl chloride	3.48	62	106329	25.023	ug/L	99
5) bromomethane	4.14	94	66726	16.124	ug/L	95
6) chloroethane	4.25	64	129027	30.684	ug/L	99
7) trichlorofluoromethane	4.66	101	219788	23.956	ug/L	100
8) diethyl ether	5.15	59	277997	52.521	ug/L	99
9) 1,1,2-Trichlorotrifluoroet	5.40	101	127621	19.538	ug/L	99
11) acetone	5.51	43	32514	16.524	ug/L	98
12) 1,1-dichloroethene	5.74	96	120757	19.918	ug/L	99
13) tert-Butyl Alcohol (TBA)	5.89	59	51034	122.574	ug/L #	87
14) Iodomethane	6.33	142	114258	17.955	ug/L #	97
15) methylene chloride	6.67	84	131838	19.252	ug/L	96
16) carbon disulfide	6.70	76	329310	16.073	ug/L	99
17) acrylonitrile	6.93	53	47790	19.371	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.96	73	292237	20.264	ug/L	97
19) trans-1,2-dichloroethene	7.25	96	136315	20.276	ug/L	98
21) Isopropyl ether (DIPE)	7.91	45	539141	21.196	ug/L	98
22) vinyl acetate	8.14	43	258177	27.539	ug/L	99
23) 1,1-dichloroethane	8.14	63	278547	21.154	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	8.78	59	402883	19.840	ug/L	98
25) 2,2-dichloropropane	9.34	77	151421	17.125	ug/L #	85
26) cis-1,2-dichloroethene	9.44	61	233226	21.982	ug/L	93
27) 2-butanone (MEK)	9.05	43	58990	19.463	ug/L	98
28) bromochloromethane	10.15	128	75778	20.257	ug/L	96
29) Tetrahydrofuran (THF)	10.22	42	111976	63.380	ug/L	98
30) chloroform	9.78	83	256534	20.714	ug/L	99
32) 1,1,1-trichloroethane	10.67	97	197942	19.733	ug/L	98
33) carbon tetrachloride	11.23	117	152902	17.179	ug/L	100
34) 1,1-dichloropropene	11.02	75	207329	20.897	ug/L	98
36) tert-amyl methyl ether (TA	11.29	73	316288	19.940	ug/L #	47
37) benzene	11.60	78	726471	24.177	ug/L	99
38) 1,2-dichloroethane	11.59	62	193262	21.526	ug/L	99

(#) = qualifier out of range (m) = manual integration
SA082910.D 5VID0811.M Tue Aug 30 09:04:31 2011

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082910.D Vial: 10
Acq On : 29 Aug 2011 2:31 pm Operator: VG
Sample : 102479.04MSD Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:30 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

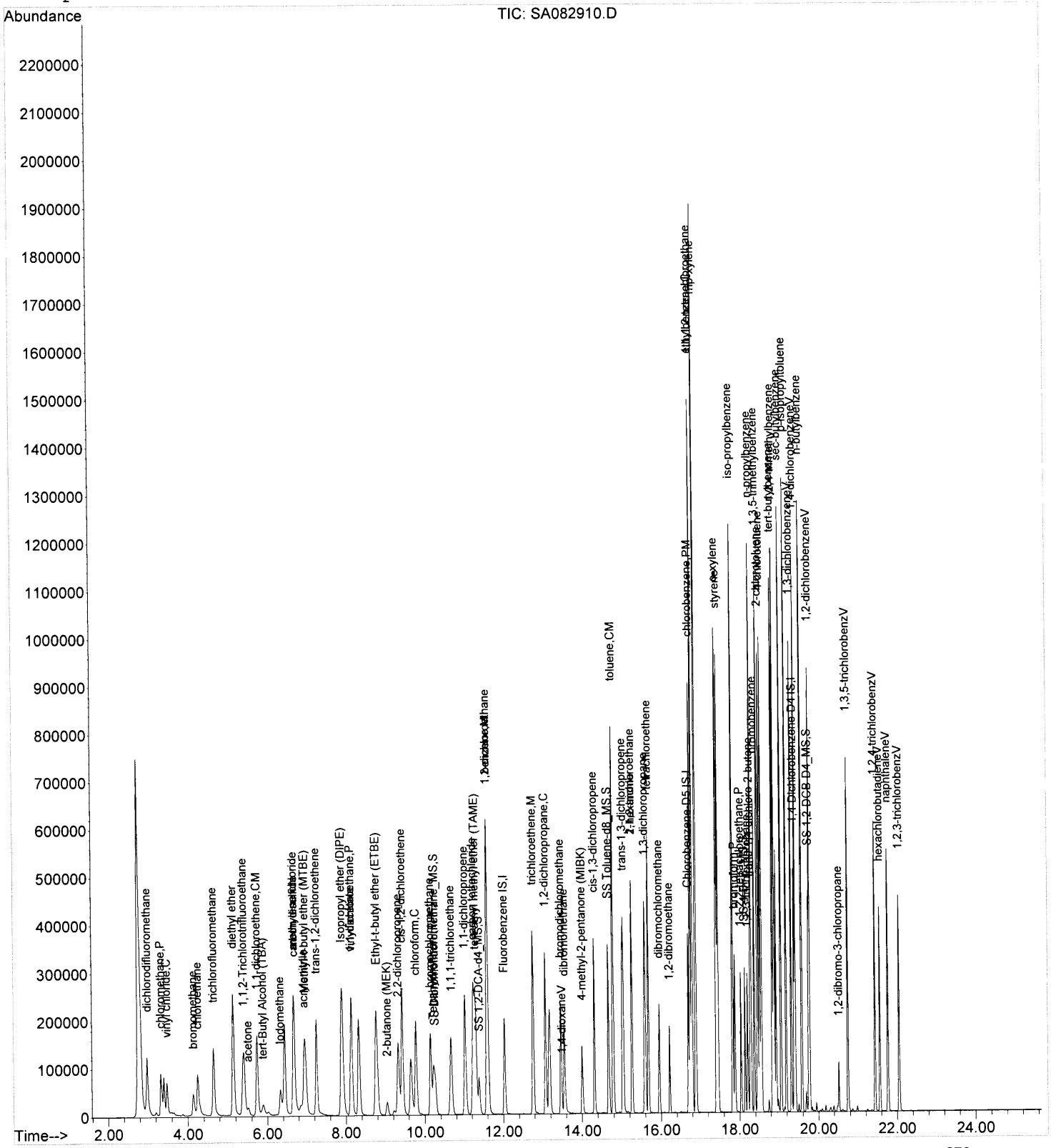
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) trichloroethene	12.77	95	158500	20.706 ug/L	98
40) 1,2-dichloropropane	13.08	63	161219	20.551 ug/L	98
41) 1,4-dioxaneV	13.50	88	4949	81.925 ug/L #	92
42) dibromomethane	13.55	93	82954	20.339 ug/L	98
43) bromodichloromethane	13.47	83	170741	20.674 ug/L	99
45) 4-methyl-2-pentanone (MIBK	14.01	58	46188	21.526 ug/L #	74
46) cis-1,3-dichloropropene	14.32	75	206908	20.622 ug/L	96
49) toluene	14.79	91	672450	22.045 ug/L	99
50) trans-1,3-dichloropropene	15.04	75	169230	20.420 ug/L #	72
51) 1,1,2-trichloroethane	15.26	83	101775	22.279 ug/L	99
52) 2-hexanone	15.26	43	84015	23.378 ug/L	97
53) tetrachloroethene	15.69	166	178527	22.945 ug/L	97
54) 1,3-dichloropropane	15.60	76	202881	21.846 ug/L #	78
55) dibromochloromethane	15.96	129	122214	19.633 ug/L #	100
56) 1,2-dibromoethane	16.22	107	119450	21.303 ug/L	99
57) chlorobenzene	16.75	112	488747	23.951 ug/L	99
58) 1,1,1,2-tetrachloroethane	16.79	131	126385	21.936 ug/L	99
59) ethylbenzene	16.80	91	776281	23.316 ug/L	99
60) mp-xylene	16.89	106	612453	46.315 ug/L	98
61) o-xylene	17.42	106	297904	22.671 ug/L	98
62) styrene	17.46	104	482532	21.908 ug/L	98
63) bromoform	17.89	173	66456	19.909 ug/L #	93
64) iso-propylbenzene	17.83	105	847856	26.930 ug/L	99
67) bromobenzene	18.38	156	179768	21.854 ug/L	97
68) 1,1,2,2-tetrachloroethane	18.03	83	138693	22.620 ug/L	100
69) 1,2,3-trichloropropane	18.21	110	41566	22.776 ug/L	99
70) trans-1,4-dichloro-2-buten	18.27	75	41464	34.858 ug/L #	78
71) n-propylbenzene	18.29	91	919284	24.439 ug/L	99
72) 2-chlorotoluene	18.52	91	531881	22.790 ug/L	99
73) 4-chlorotoluene	18.56	91	523637	22.954 ug/L	100
74) 1,3,5-trimethylbenzene	18.46	105	637263	23.790 ug/L	100
75) tert-butylbenzene	18.85	119	546842	23.505 ug/L	99
76) 1,2,4-trimethylbenzene	18.89	105	658022	24.029 ug/L	100
77) sec-butylbenzene	19.06	105	816724	24.450 ug/L	100
78) 1,3-dichlorobenzeneV	19.32	146	350196	22.907 ug/L	98
79) p-isopropyltoluene	19.19	119	687011	24.534 ug/L	100
80) 1,4-dichlorobenzeneV	19.42	146	393969	25.911 ug/L	97
81) 1,2-dichlorobenzeneV	19.78	146	321914	22.940 ug/L	97
82) n-butylbenzene	19.58	91	600609	24.934 ug/L	99
84) 1,2-dibromo-3-chloropropan	20.52	157	24830	20.921 ug/L #	97
85) 1,3,5-trichlorobenzV	20.75	180	219503	22.890 ug/L	99
86) 1,2,4-trichlorobenzV	21.44	180	189879	23.596 ug/L	99
87) hexachlorobutadieneV	21.56	225	85307	21.876 ug/L	98
88) naphthaleneV	21.77	128	469901	25.131 ug/L	100
89) 1,2,3-trichlorobenzV	22.06	180	160270	22.813 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082910.D Vial: 10
Acq On : 29 Aug 2011 2:31 pm Operator: VG
Sample : 102479.04MSD Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:04 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082914.D Vial: 14
Acq On : 29 Aug 2011 4:47 pm Operator: VG
Sample : 102479.05 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:43 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	12.04	96	266324	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	201932	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	104625	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS Dibromofluoromethane_MS	10.27	111	63340	10.05 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.52%		
35) SS 1,2-DCA-d4_MS	11.39	65	73031	11.02 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.21%		
48) SS Toluene-d8_MS	14.67	98	261497	10.42 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.16%		
65) SS 4-BFB_MS	18.14	95	93122	9.76 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.63%		
83) SS 1,2-DCB-D4_MS	19.76	152	96588	10.46 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.64%		
90) SS 2,5-DBT_MS	0.00	250	0	0.00 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#		
Target Compounds					Qvalue
6) chloroethane	4.26	64	29358	7.216 ug/L	97
8) diethyl ether	5.15	59	171008	33.392 ug/L	98
11) acetone	5.51	43	2838	1.491 ug/L	92
13) tert-Butyl Alcohol (TBA)	5.90	59	6827	16.947 ug/L #	87
23) 1,1-dichloroethane	8.14	63	7928	0.622 ug/L #	95
29) Tetrahydrofuran (THF)	10.22	42	73788	43.167 ug/L	96
37) benzene	11.60	78	101909	3.505 ug/L	98
38) 1,2-dichloroethane	11.59	62	5182	0.597 ug/L #	65
41) 1,4-dioxaneV	13.51	88	2808	48.043 ug/L #	82
52) 2-hexanone	15.15	43	2593	0.744 ug/L #	37
57) chlorobenzene	16.75	112	45267	2.286 ug/L	99
64) iso-propylbenzene	17.83	105	60626	1.984 ug/L	99
70) trans-1,4-dichloro-2-buten	18.14	75	42715	37.620 ug/L #	1
78) 1,3-dichlorobenzeneV c.f. →	19.42	146	42740	2.952 ug/L	96
80) 1,4-dichlorobenzeneV	19.42	146	42740	2.968 ug/L	96
88) naphthaleneV	21.77	128	14416	0.814 ug/L	99

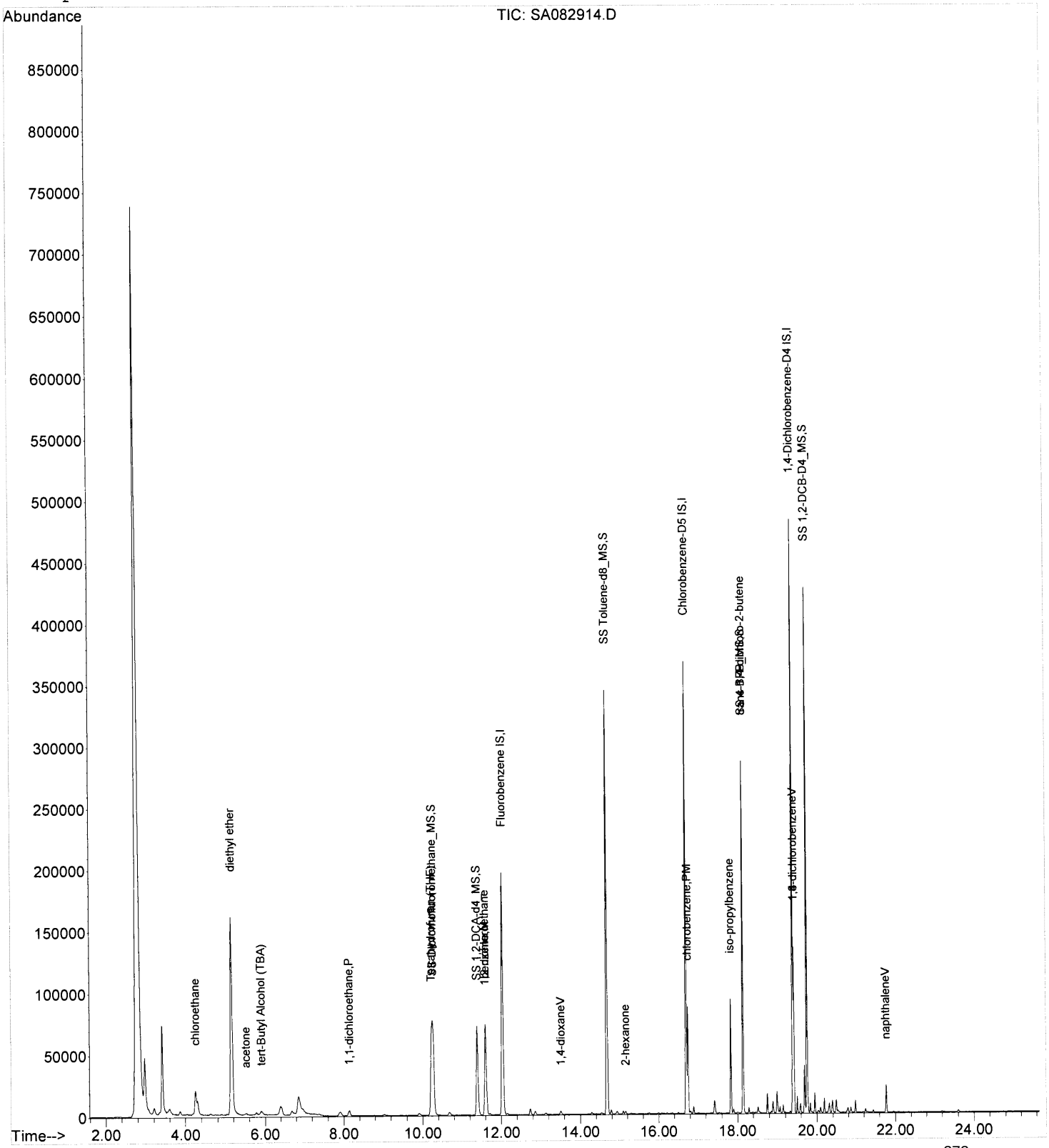
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082914.D Vial: 14
Acq On : 29 Aug 2011 4:47 pm Operator: VG
Sample : 102479.05 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:04 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082915.D Vial: 15
Acq On : 29 Aug 2011 5:21 pm Operator: VG
Sample : 102479.06 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:47 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	265336	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	199840	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	103345	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS Dibromofluoromethane_MS	10.27	111	61689	9.83	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.26%			
35) SS 1,2-DCA-d4_MS	11.39	65	72161	10.93	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.30%			
48) SS Toluene-d8_MS	14.67	98	260753	10.50	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.95%			
65) SS 4-BFB_MS	18.13	95	92677	9.82	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.18%			
83) SS 1,2-DCB-D4_MS	19.75	152	95746	10.50	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.02%			
90) SS 2,5-DBT_MS	0.00	250	0	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
11) acetone	5.51	43	3033	1.599	ug/L #	85
70) trans-1,4-dichloro-2-buten	18.13	75	41598	37.138	ug/L #	1

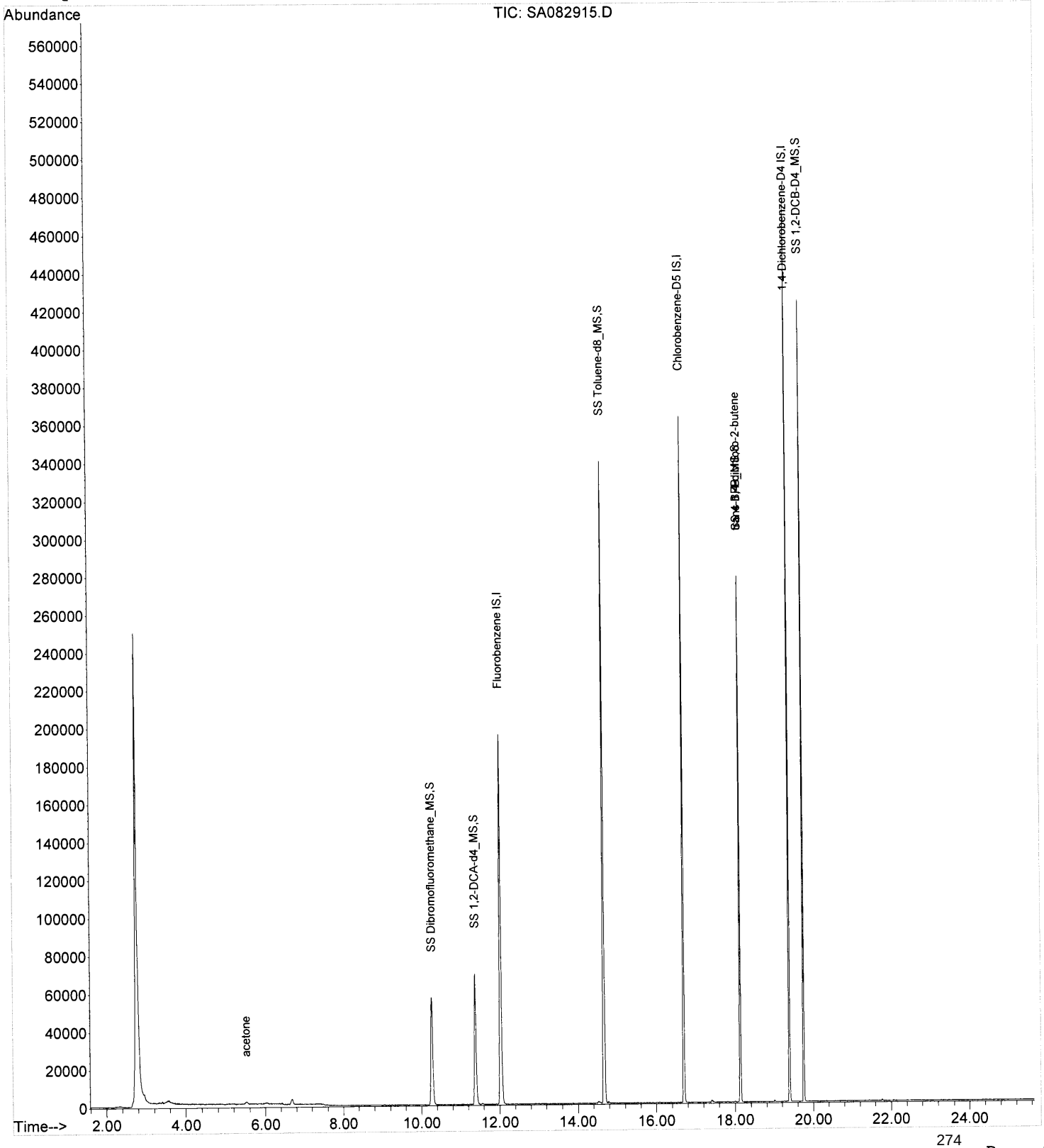
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082915.D Vial: 15
Acq On : 29 Aug 2011 5:21 pm Operator: VG
Sample : 102479.06 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:04 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082917.D Vial: 17
Acq On : 29 Aug 2011 6:30 pm Operator: VG
Sample : 102479.09 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:55 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	262926	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	200243	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	102596	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS Dibromofluoromethane_MS	10.26	111	62485	10.04 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.44%		
35) SS 1,2-DCA-d4_MS	11.39	65	71949	11.00 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.98%		
48) SS Toluene-d8_MS	14.67	98	257597	10.35 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.47%		
65) SS 4-BFB_MS	18.14	95	92964	9.83 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.29%		
83) SS 1,2-DCB-D4_MS	19.76	152	94761	10.47 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.70%		
90) SS 2,5-DBT_MS	0.00	250	0	0.00 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#		
Target Compounds					Qvalue
6) chloroethane	4.25	64	33466	8.332 ug/L	98
8) diethyl ether	5.15	59	60084	11.884 ug/L	97
11) acetone	5.52	43	2193	1.167 ug/L #	79
13) tert-Butyl Alcohol (TBA)	5.89	59	3446	8.665 ug/L #	88
29) Tetrahydrofuran (THF)	10.22	42	7595	4.501 ug/L	95
37) benzene	11.60	78	42224	1.471 ug/L	97
41) 1,4-dioxaneV	13.51	88	723	12.530 ug/L #	63
57) chlorobenzene	16.75	112	117525	5.985 ug/L	99
64) iso-propylbenzene	17.83	105	20195	0.667 ug/L	99
70) trans-1,4-dichloro-2-buten	18.14	75	41685	37.456 ug/L #	1
78) 1,3-dichlorobenzeneV	19.42	146	15837	1.115 ug/L	95
80) 1,4-dichlorobenzeneV	19.42	146	15837	1.122 ug/L	92
81) 1,2-dichlorobenzeneV	19.78	146	6275	0.481 ug/L #	1

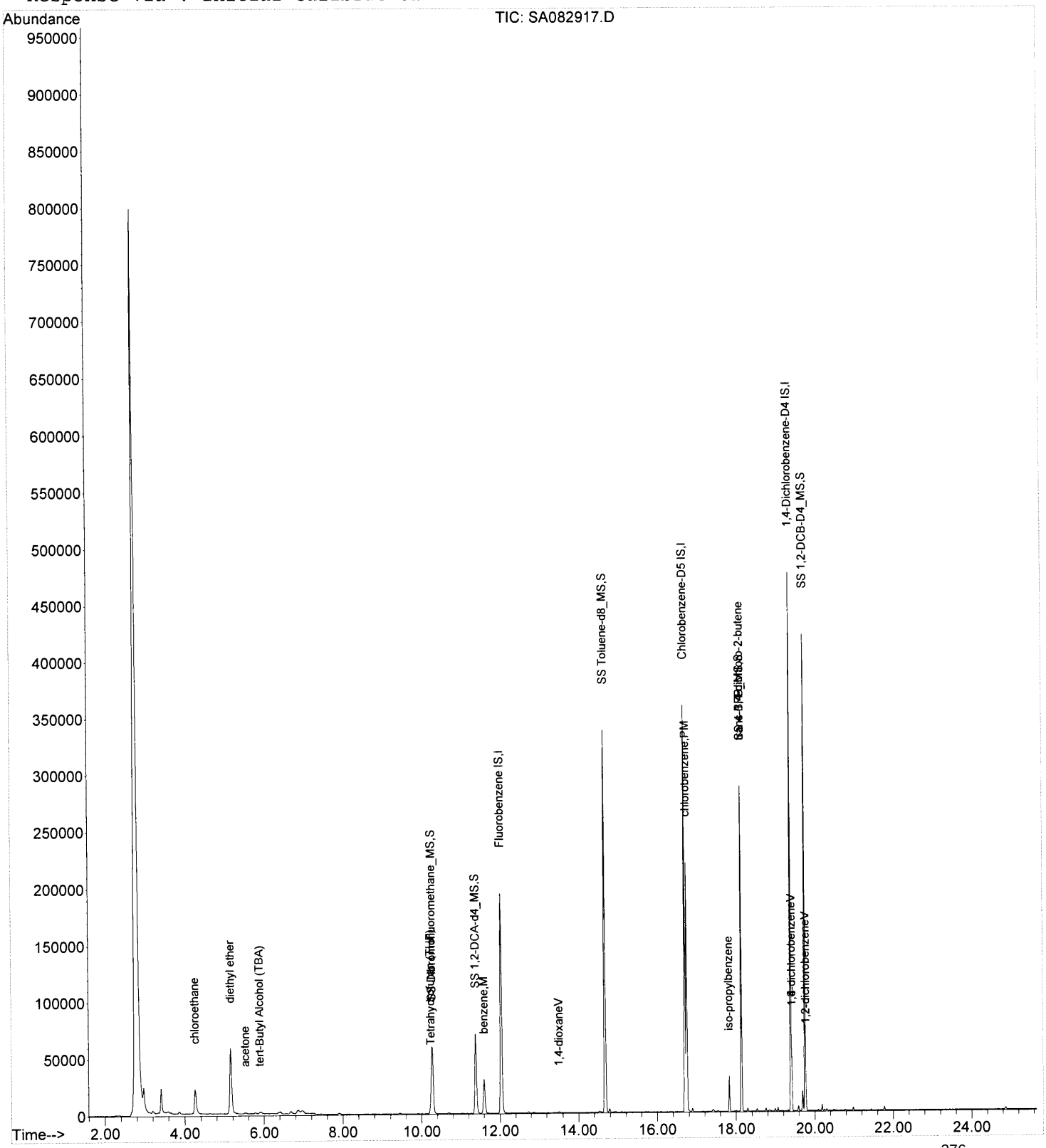
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082917.D 5VID0811.M Tue Aug 30 09:04:57 2011 275 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082917.D Vial: 17
Acq On : 29 Aug 2011 6:30 pm Operator: VG
Sample : 102479.09 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:04 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082916.D Vial: 16
Acq On : 29 Aug 2011 5:56 pm Operator: VG
Sample : 102479.08 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 09:04:51 2011 Quant Results File: 5VID0811.RES

Quant Method : C:\MSDCHEM\1...\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	12.03	96	262699	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.70	117	198199	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	19.39	152	103876	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS Dibromofluoromethane_MS	10.26	111	62392	10.04 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.38%		
35) SS 1,2-DCA-d4_MS	11.39	65	72822	11.14 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.41%		
48) SS Toluene-d8_MS	14.67	98	257735	10.46 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.59%		
65) SS 4-BFB_MS	18.14	95	92933	9.93 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.27%		
83) SS 1,2-DCB-D4_MS	19.76	152	95588	10.43 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.31%		
90) SS 2,5-DBT_MS	0.00	250	0	0.00 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#		
Target Compounds					Qvalue
6) chloroethane	4.25	64	31226	~~7.781 ug/L~~	98
8) diethyl ether	5.15	59	92333	~~18.279 ug/L~~	97
11) acetone	5.51	43	4472	~~2.381 ug/L~~	94
13) tert-Butyl Alcohol (TBA)	5.90	59	1547	3.893 ug/L #	51
18) Methyl-t-butyl ether (MTBE	6.96	73	10846	0.788 ug/L #	86
23) 1,1-dichloroethane	8.14	63	3808	0.303 ug/L #	82
29) Tetrahydrofuran (THF)	10.22	42	28157	~~16.700 ug/L~~	96
37) benzene	11.60	78	69629	~~2.428 ug/L~~	98
41) 1,4-dioxaneV	13.51	88	2155	~~37.380 ug/L~~ #	89
52) 2-hexanone	15.15	43	3842	1.122 ug/L #	33
57) chlorobenzene	16.75	112	34614	~~1.781 ug/L~~	100
59) ethylbenzene	16.89	91	83132	~~2.622~~ ug/L #	78
60) mp-xylene	16.89	106	42456	~~3.371 ug/L~~	98
64) iso-propylbenzene	17.83	105	45086	~~1.504 ug/L~~	99
70) trans-1,4-dichloro-2-buten	18.13	75	42226	37.473 ug/L #	1
76) 1,2,4-trimethylbenzene	18.89	105	18881	0.733 ug/L	99
78) 1,3-dichlorobenzeneV	19.42	146	16559	~~1.152~~ ug/L	98
79) p-isopropyltoluene	19.14	119	8673	0.329 ug/L	98
80) 1,4-dichlorobenzeneV	19.42	146	16559	~~1.158 ug/L~~	97
88) naphthaleneV	21.76	128	8702	0.495 ug/L #	98

off

off

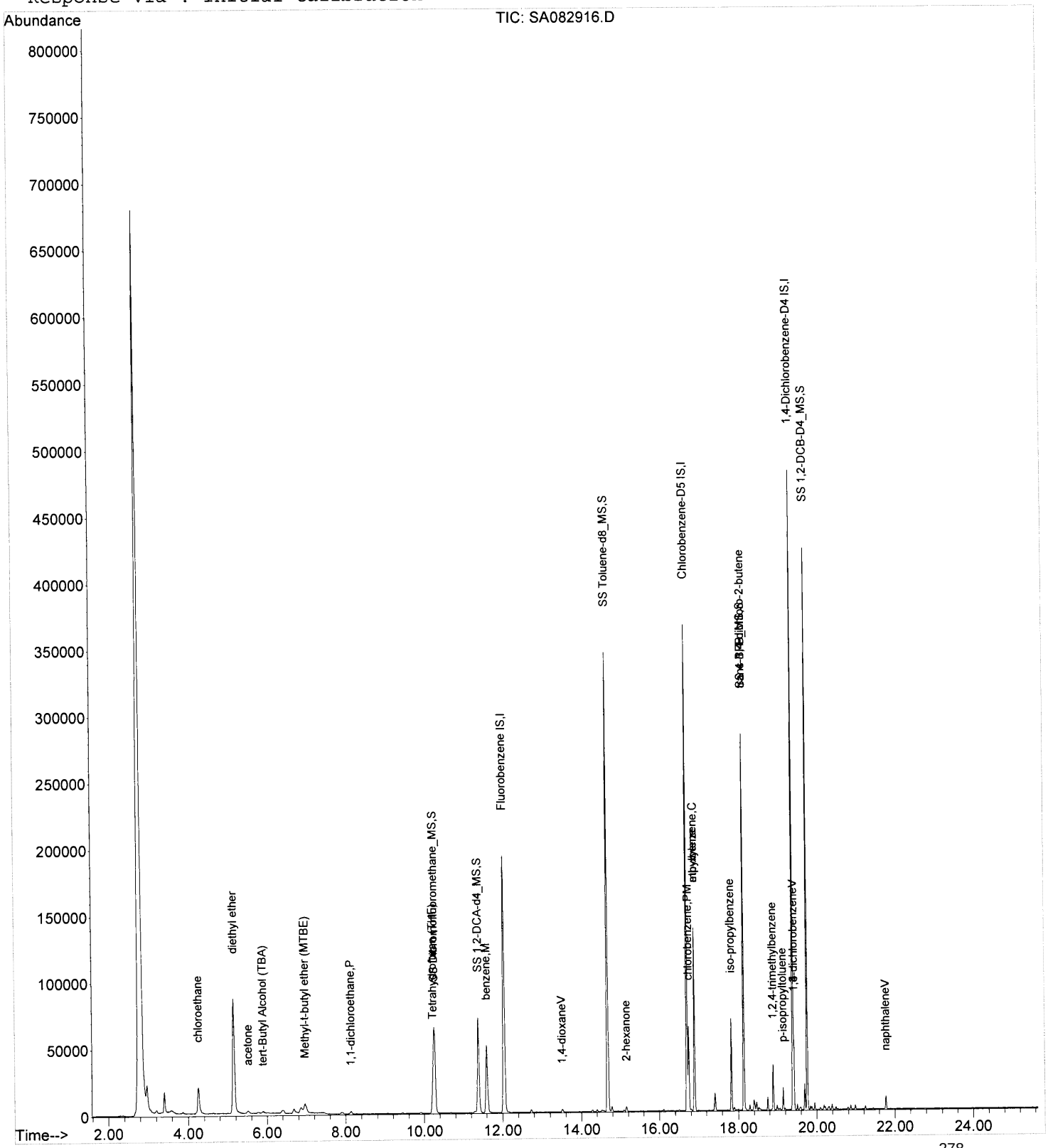
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2911\SA082916.D Vial: 16
Acq On : 29 Aug 2011 5:56 pm Operator: VG
Sample : 102479.08 Inst : VOAMS5
Misc : x1; 5mL; RR Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 30 9:04 2011 Quant Results File: 5VID0811.RES

Method : C:\MSDCHEM\1\METHODS\2011\5VID0811.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Mon Aug 15 10:28:25 2011
Response via : Initial Calibration



1,4 Dioxane Analysis
Raw Sample and QC Data
102479

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082602.D Vial: 2
Acq On : 26 Aug 2011 11:45 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 12:16:50 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

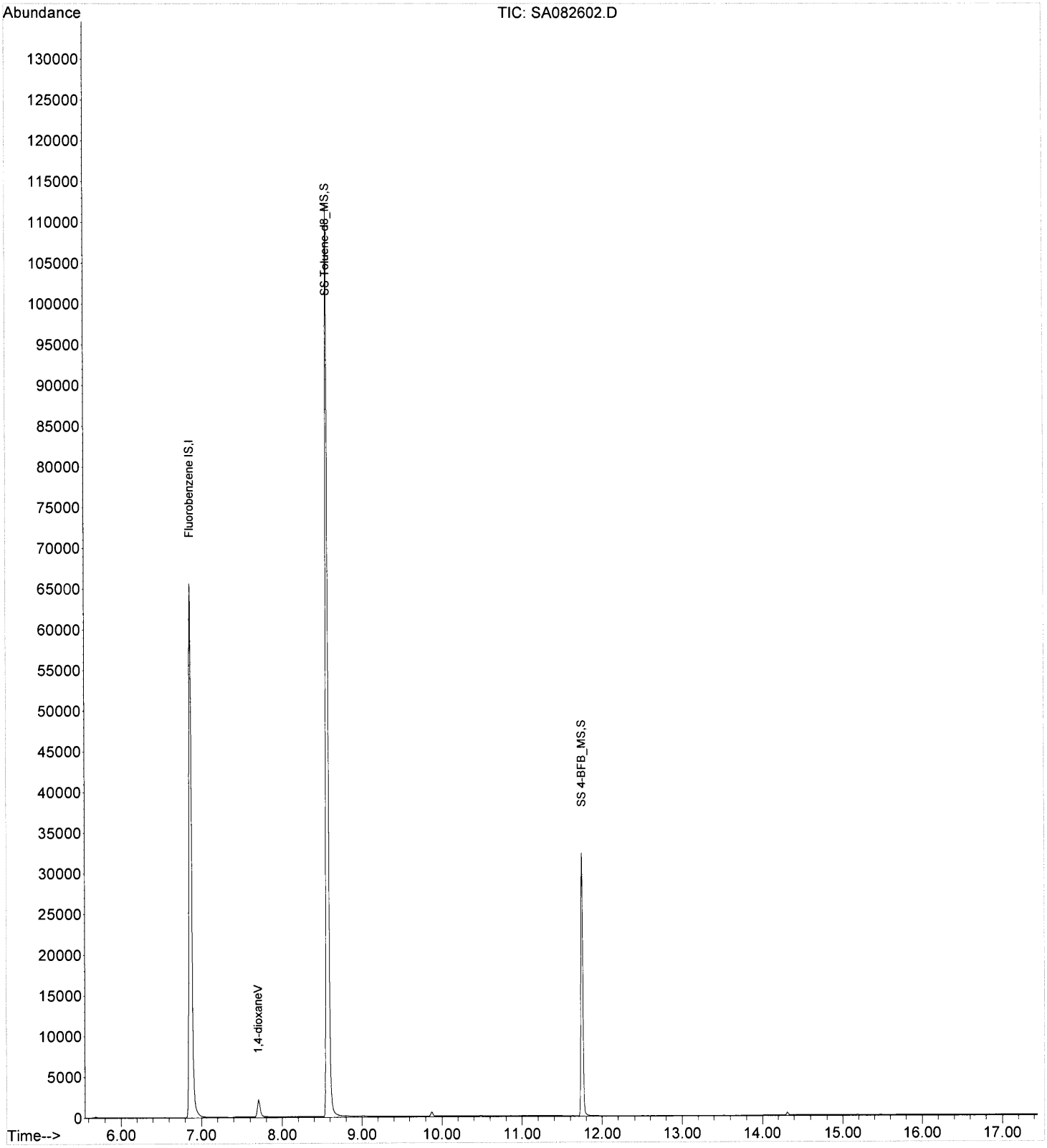
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	144399	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	131969	9.91	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.14%			
4) SS 4-BFB_MS	11.75	95	53776	9.62	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.23%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	3229	5.824	ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082602.D Vial: 2
Acq On : 26 Aug 2011 11:45 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 12:16 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082603.D Vial: 3
Acq On : 26 Aug 2011 12:32 pm Operator: VG
Sample : LCSaA082611V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 13:42:35 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

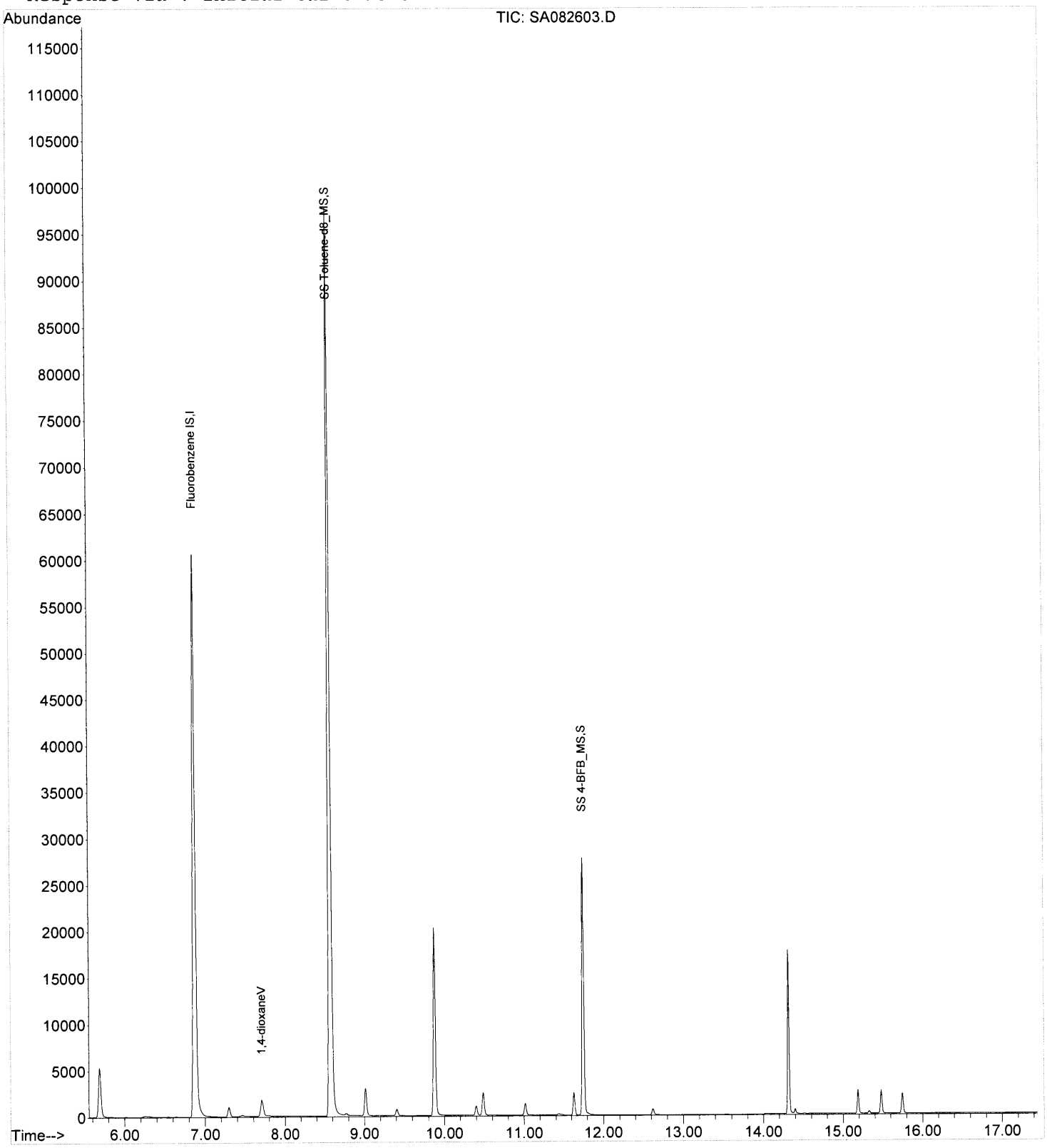
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	137313	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	119000	9.40	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.01%			
4) SS 4-BFB_MS	11.75	95	45697	8.60	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.00%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	2665m	5.055	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082603.D Vial: 3
Acq On : 26 Aug 2011 12:32 pm Operator: VG
Sample : LCSaA082611V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 13:43 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082604.D Vial: 4
Acq On : 26 Aug 2011 1:20 pm Operator: VG
Sample : LCSDA082611V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 13:42:45 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

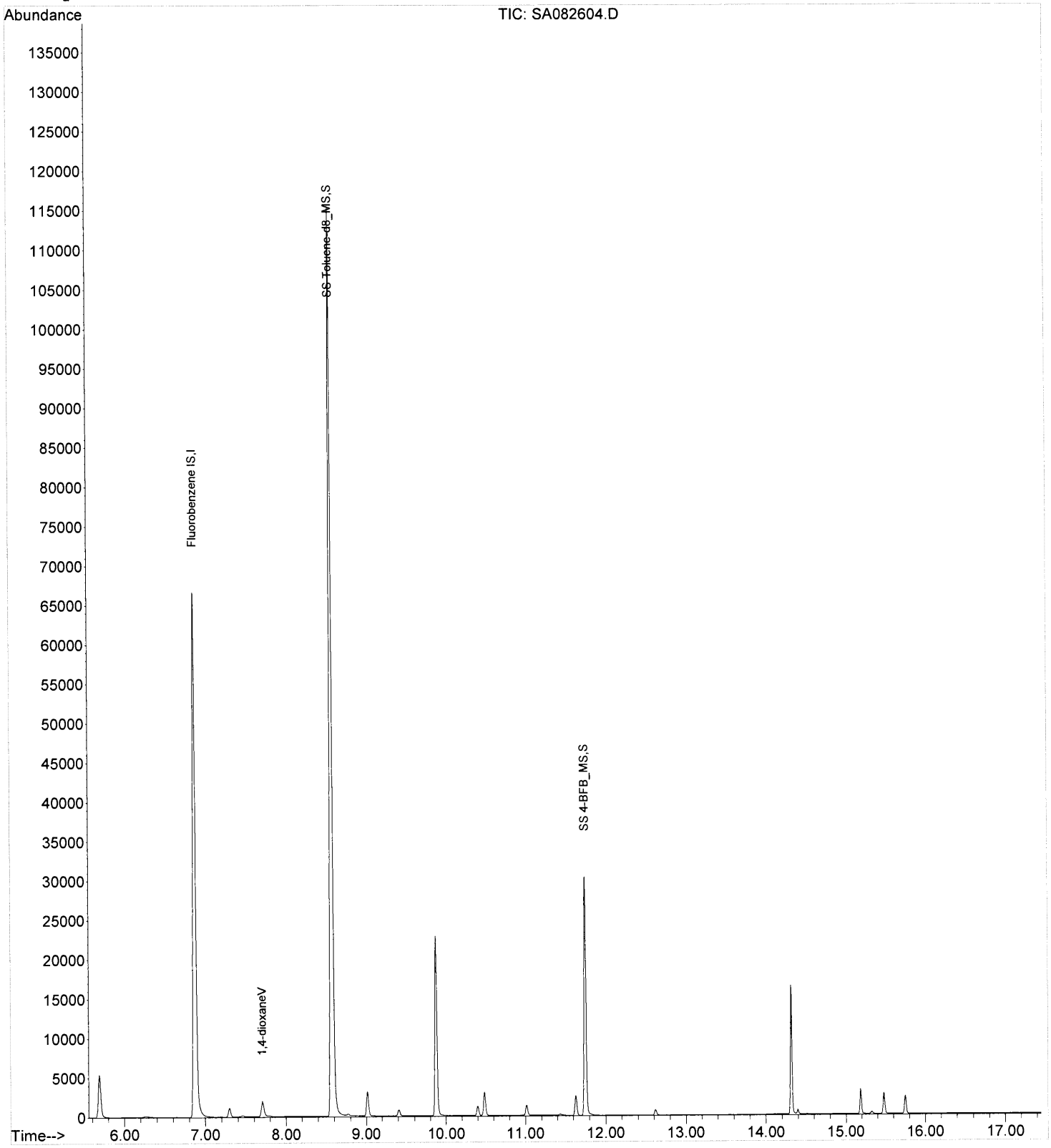
Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS		6.87	96	153074	10.000	ug/L	0.00
System Monitoring Compounds							
3) SS Toluene-d8_MS		8.57	98	140450	9.95	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130		Recovery =	99.53%		
4) SS 4-BFB_MS		11.75	95	50855	8.58	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130		Recovery =	85.85%		
Target Compounds							Qvalue
2) 1,4-dioxaneV		7.70	88	2912m	4.955	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082604.D Vial: 4
Acq On : 26 Aug 2011 1:20 pm Operator: VG
Sample : LCSDA082611V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 13:42 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082605.D Vial: 5
Acq On : 26 Aug 2011 2:07 pm Operator: VG
Sample : BlnkA082611V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 09:53:15 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

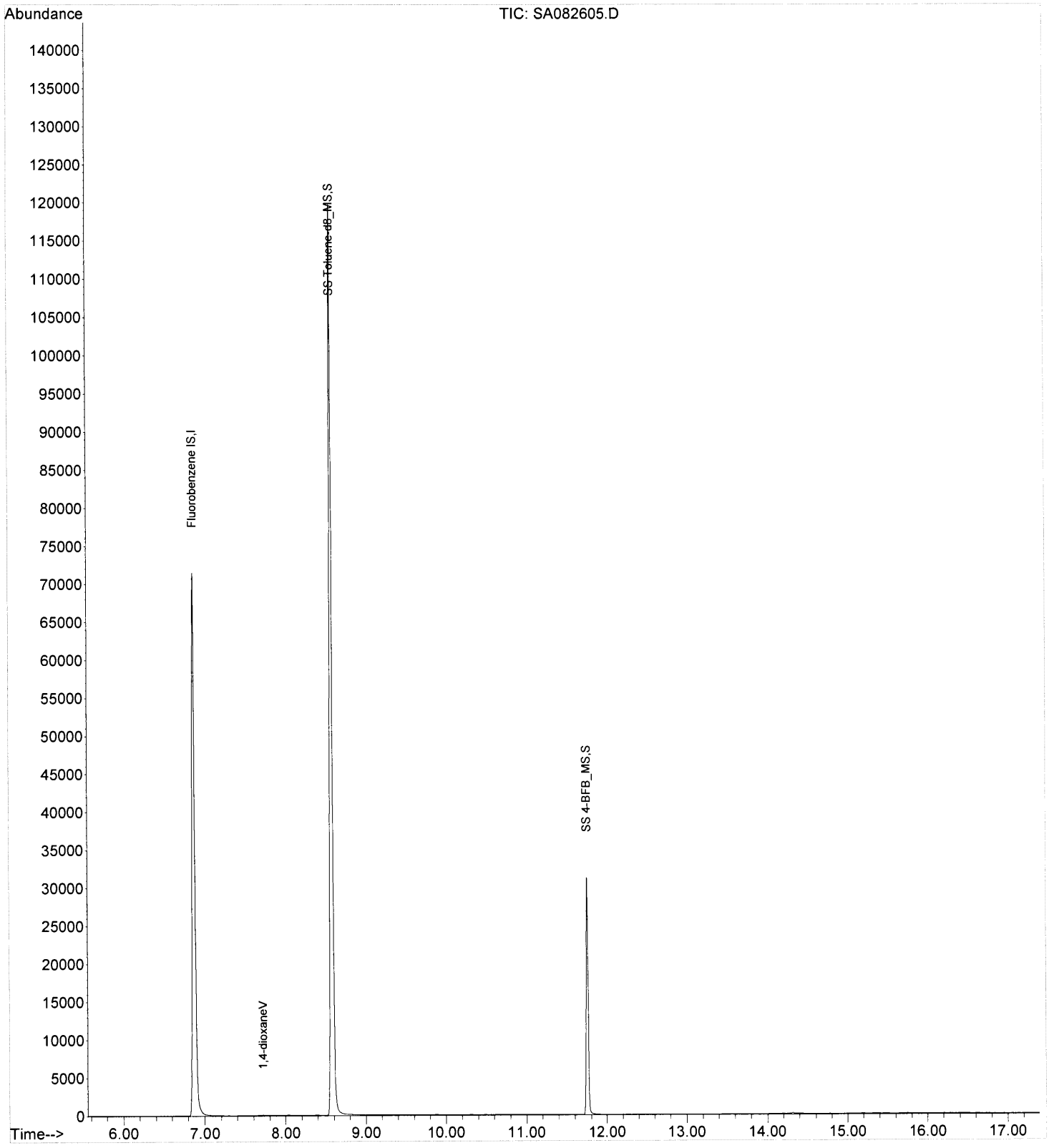
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	161716	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	144150	9.67	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.69%			
4) SS 4-BFB_MS	11.75	95	52443	8.38	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.80%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	57	0.092	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2611\SA082605.D Vial: 5
Acq On : 26 Aug 2011 2:07 pm Operator: VG
Sample : BlnkA082611V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 9:53 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2611\SA082614.D Vial: 14
Acq On : 26 Aug 2011 9:14 pm Operator: VG
Sample : 102479.05 Inst : VOAMS2
Misc : X10;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 10:13:08 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	160253	10.000 ug/L	0.00
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.57	98	140262	9.49 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.94%	
4) SS 4-BFB_MS	11.75	95	48392	7.80 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	78.03%	
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.70	88	3886	6.316 ug/L	90

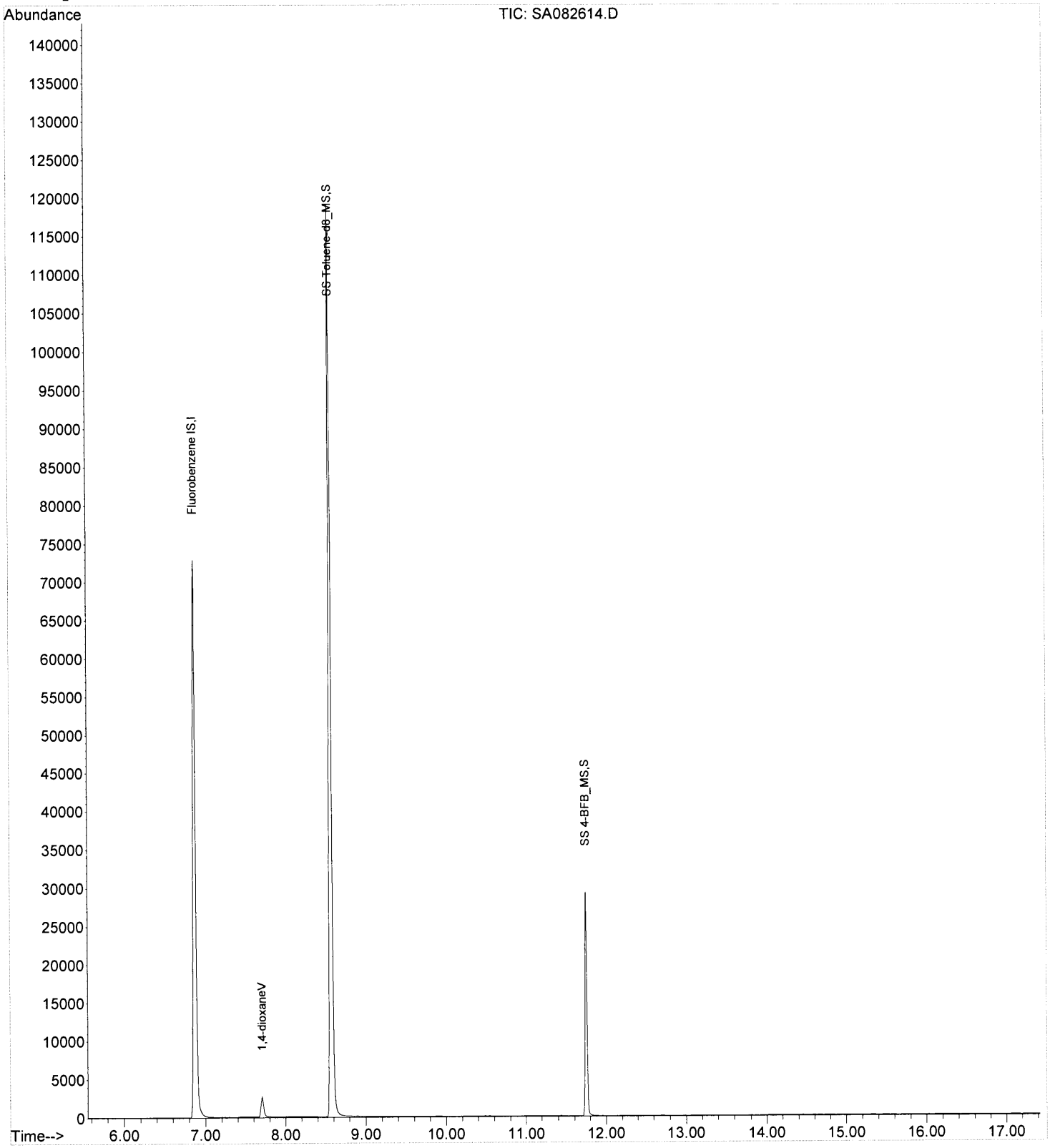
8/29/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2611\SA082614.D Vial: 14
Acq On : 26 Aug 2011 9:14 pm Operator: VG
Sample : 102479.05 Inst : VOAMS2
Misc : X10;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 10:12 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2611\SA082613.D Vial: 13
Acq On : 26 Aug 2011 8:27 pm Operator: VG
Sample : 102479.08 Inst : VOAMS2
Misc : X10;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 10:13:05 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	152784	10.000 ug/L	0.00
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.58	98	134199	9.53 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.28%		
4) SS 4-BFB_MS	11.75	95	51185	8.66 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.57%		
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.70	88	2612	4.453 ug/L	80

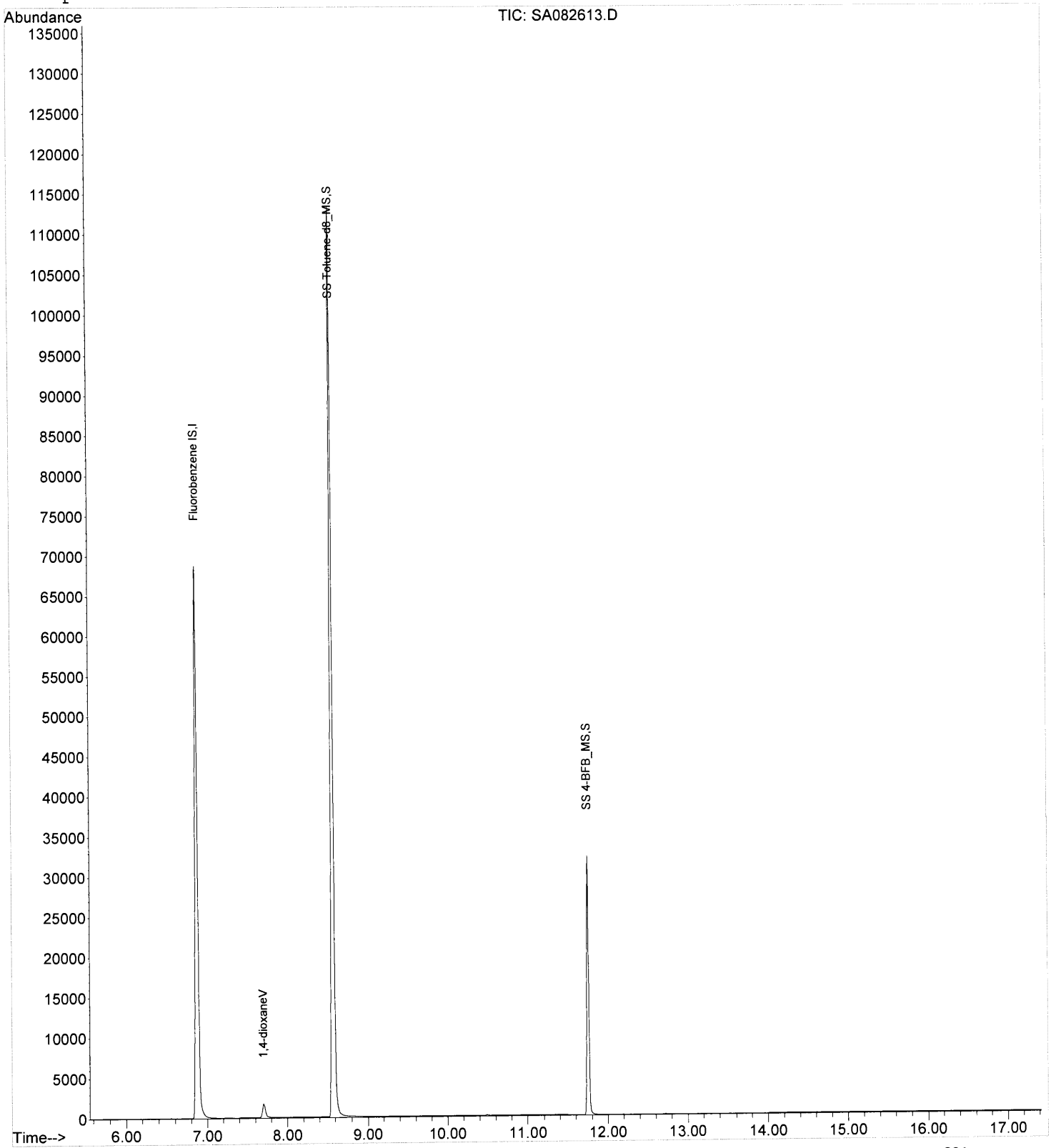
8/29/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2611\SA082613.D Vial: 13
Acq On : 26 Aug 2011 8:27 pm Operator: VG
Sample : 102479.08 Inst : VOAMS2
Misc : X10;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 10:12 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 11:35 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 12:04:02 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

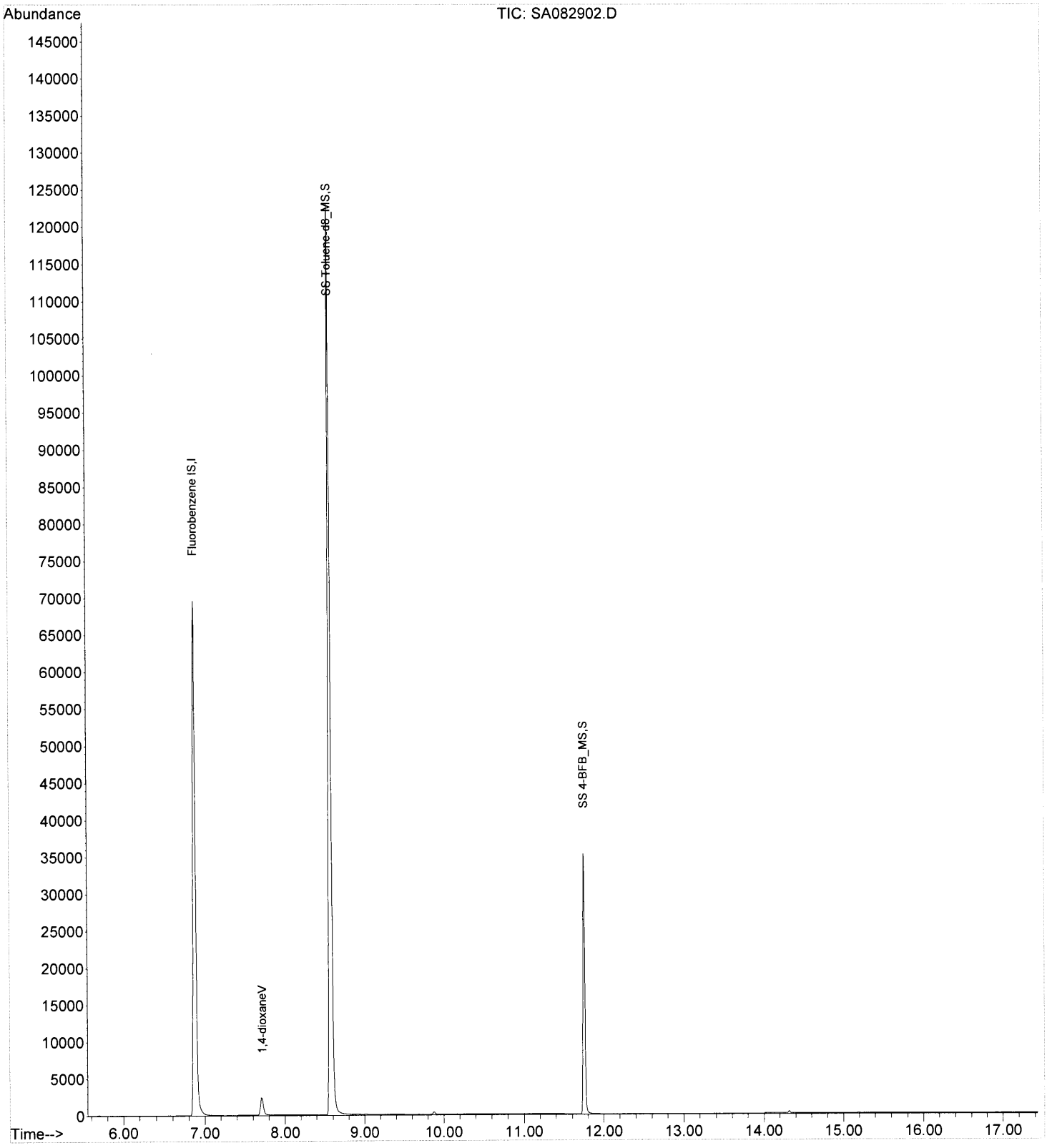
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	155877	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	145223	10.11	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.06%			
4) SS 4-BFB_MS	11.75	95	58145	9.64	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.39%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	3585	5.990	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082902.D 2SIM0815.M Fri Sep 02 09:30:49 2011

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2911\SA082902.D Vial: 2
Acq On : 29 Aug 2011 11:35 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 12:04 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2911\SA082903.D Vial: 3
Acq On : 29 Aug 2011 12:22 pm Operator: VG
Sample : LCSaA082911V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 13:08:57 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

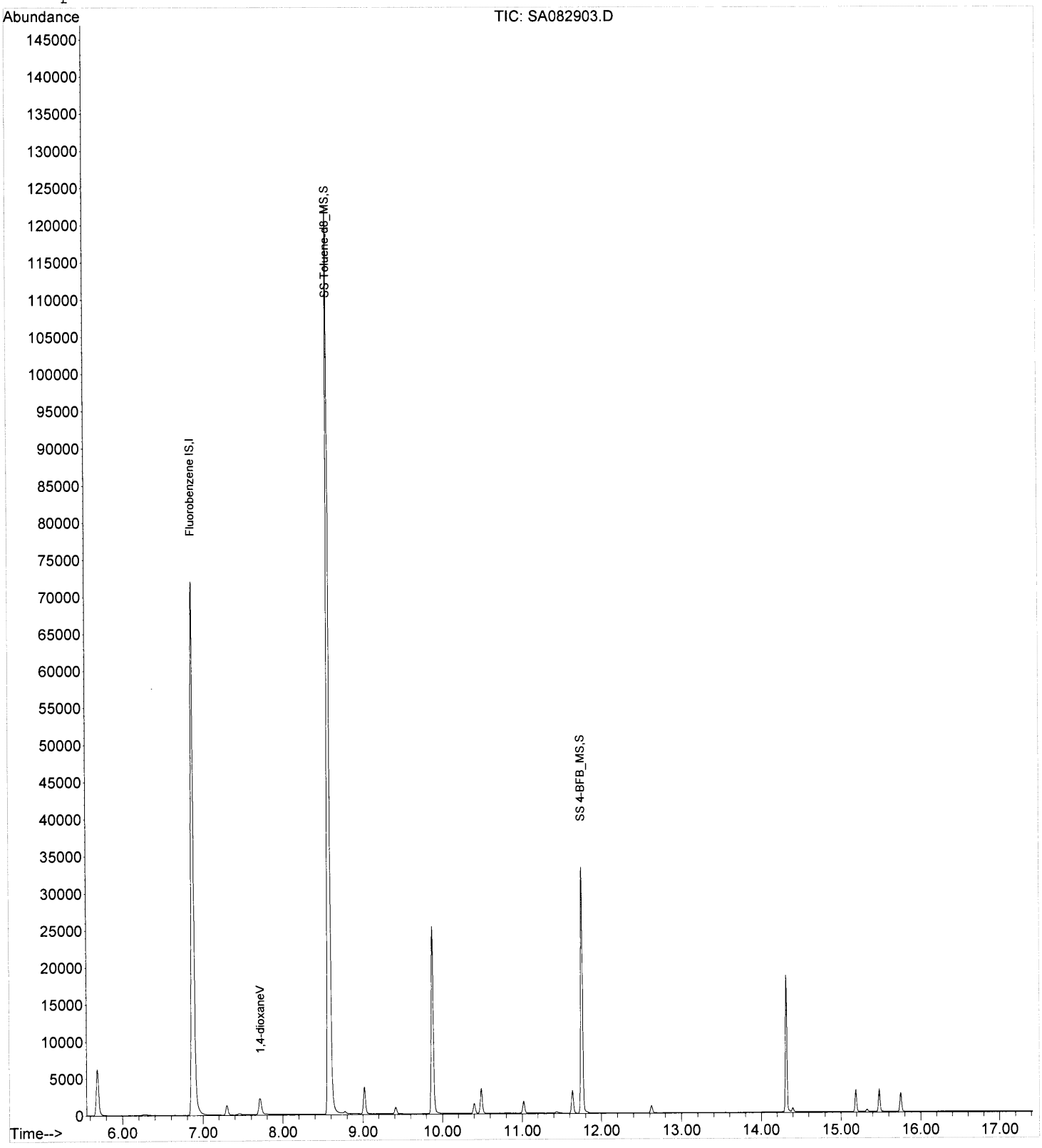
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	161873	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	146021	9.79	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.85%			
4) SS 4-BFB_MS	11.75	95	55540	8.87	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.66%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	3454m	5.558	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2911\SA082903.D Vial: 3
Acq On : 29 Aug 2011 12:22 pm Operator: VG
Sample : LCSaA082911V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 12:22 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Sep 02 09:25:56 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2911\SA082904.D Vial: 4
Acq On : 29 Aug 2011 1:10 pm Operator: VG
Sample : LCSDA082911V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 14:09:47 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

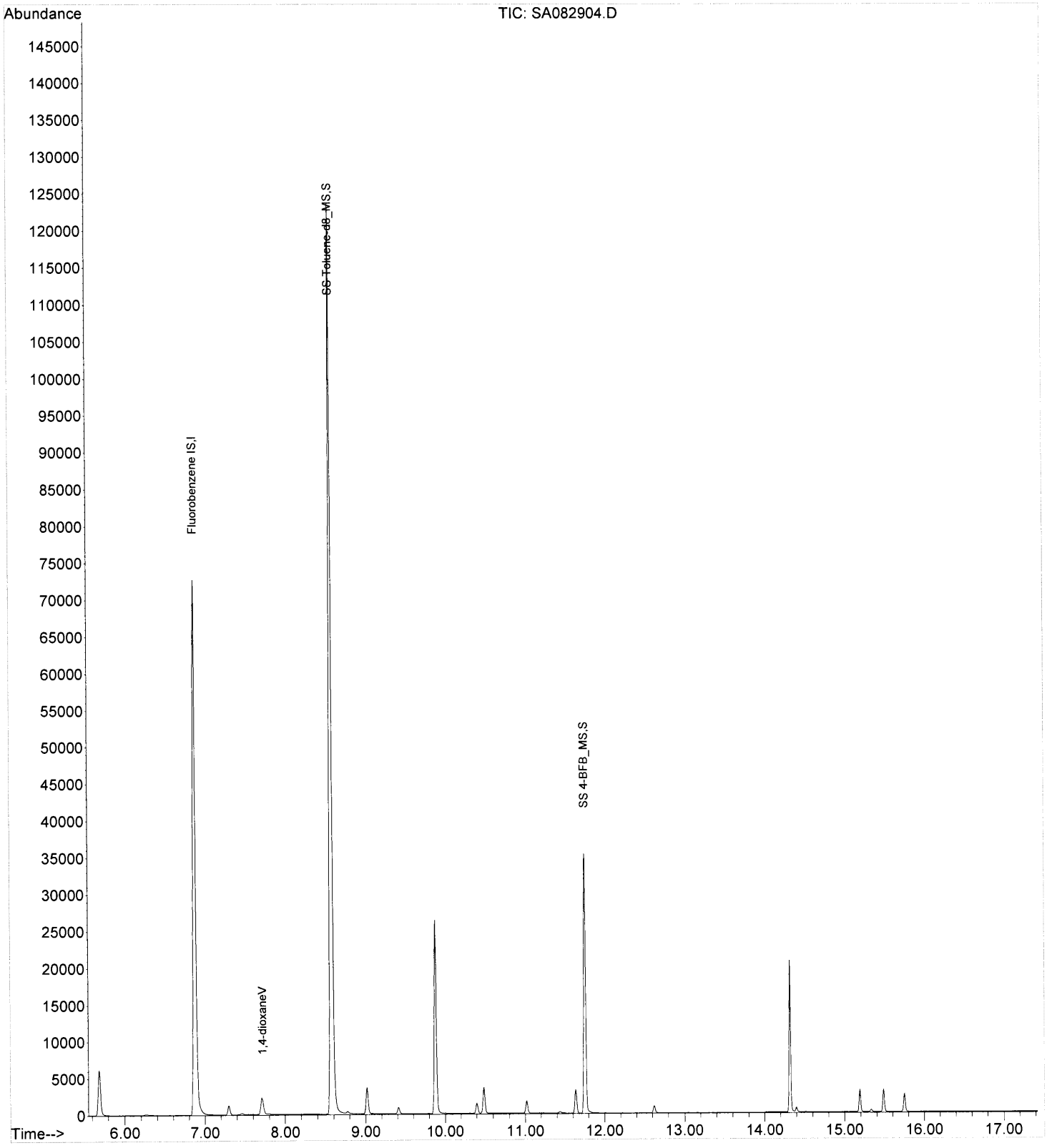
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	160339	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	146929	9.94	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.40%			
4) SS 4-BFB_MS	11.75	95	59080	9.52	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.22%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	3456m	5.614	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2911\SA082904.D Vial: 4
Acq On : 29 Aug 2011 1:10 pm Operator: VG
Sample : LCSDA082911V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 12:22 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Sep 02 09:25:56 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2911\SA082905.D Vial: 5
Acq On : 29 Aug 2011 1:57 pm Operator: VG
Sample : BlnkA082911V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 14:46:42 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

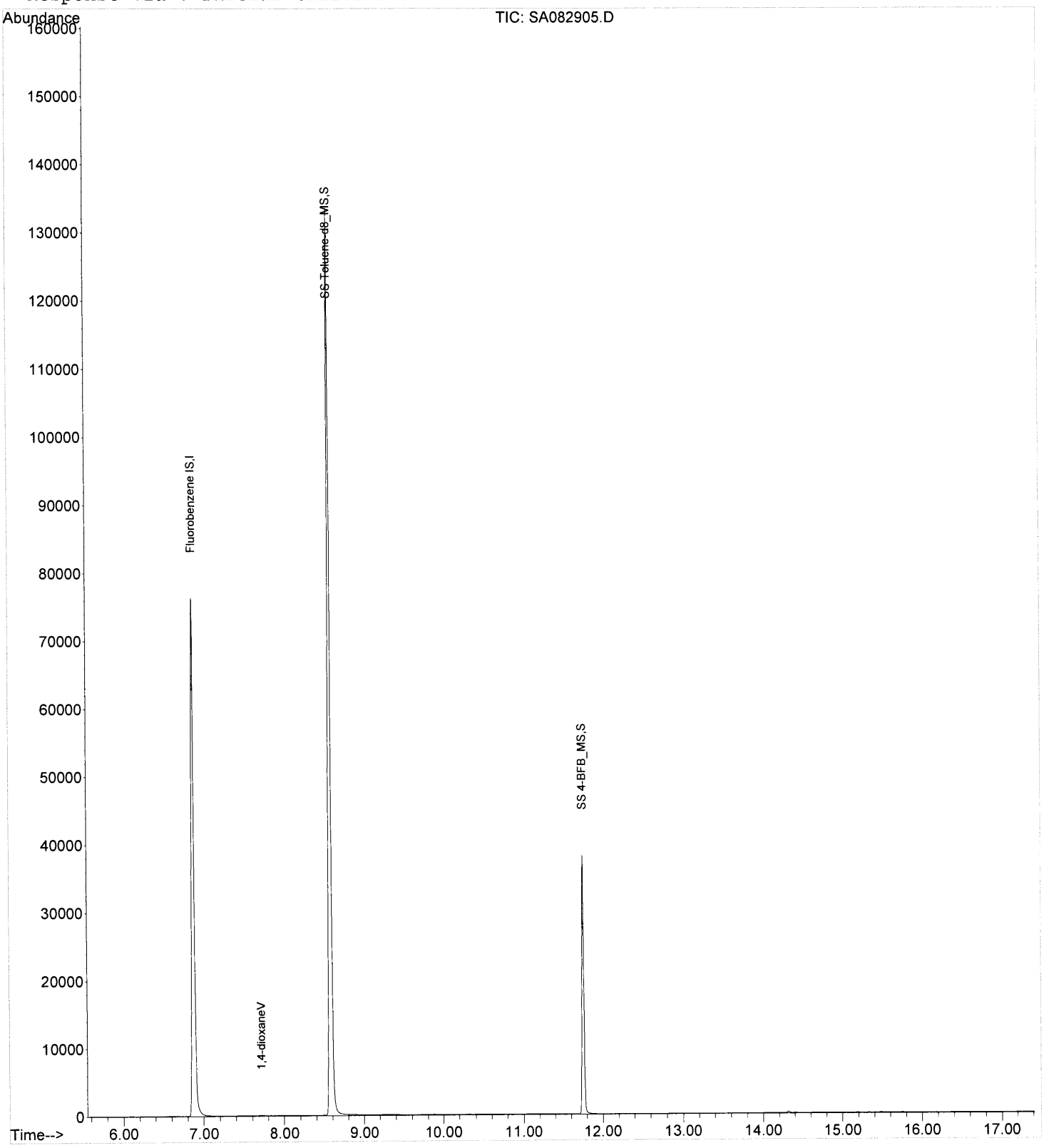
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	169406	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	156241	10.00	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.05%			
4) SS 4-BFB_MS	11.75	95	63138	9.63	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.31%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	79	0.121	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2911\SA082905.D Vial: 5
Acq On : 29 Aug 2011 1:57 pm Operator: VG
Sample : BlnkA082911V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 29 14:46 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Sep 02 09:25:56 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082906.D Vial: 6
Acq On : 29 Aug 2011 2:45 pm Operator: VG
Sample : 102479.04 Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 09:08:43 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	149753	10.000 ug/L	0.00
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.58	98	137995	10.00 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.96%		
4) SS 4-BFB_MS	11.75	95	55042	9.50 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.98%		
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.72	88	3925	6.827 ug/L	94

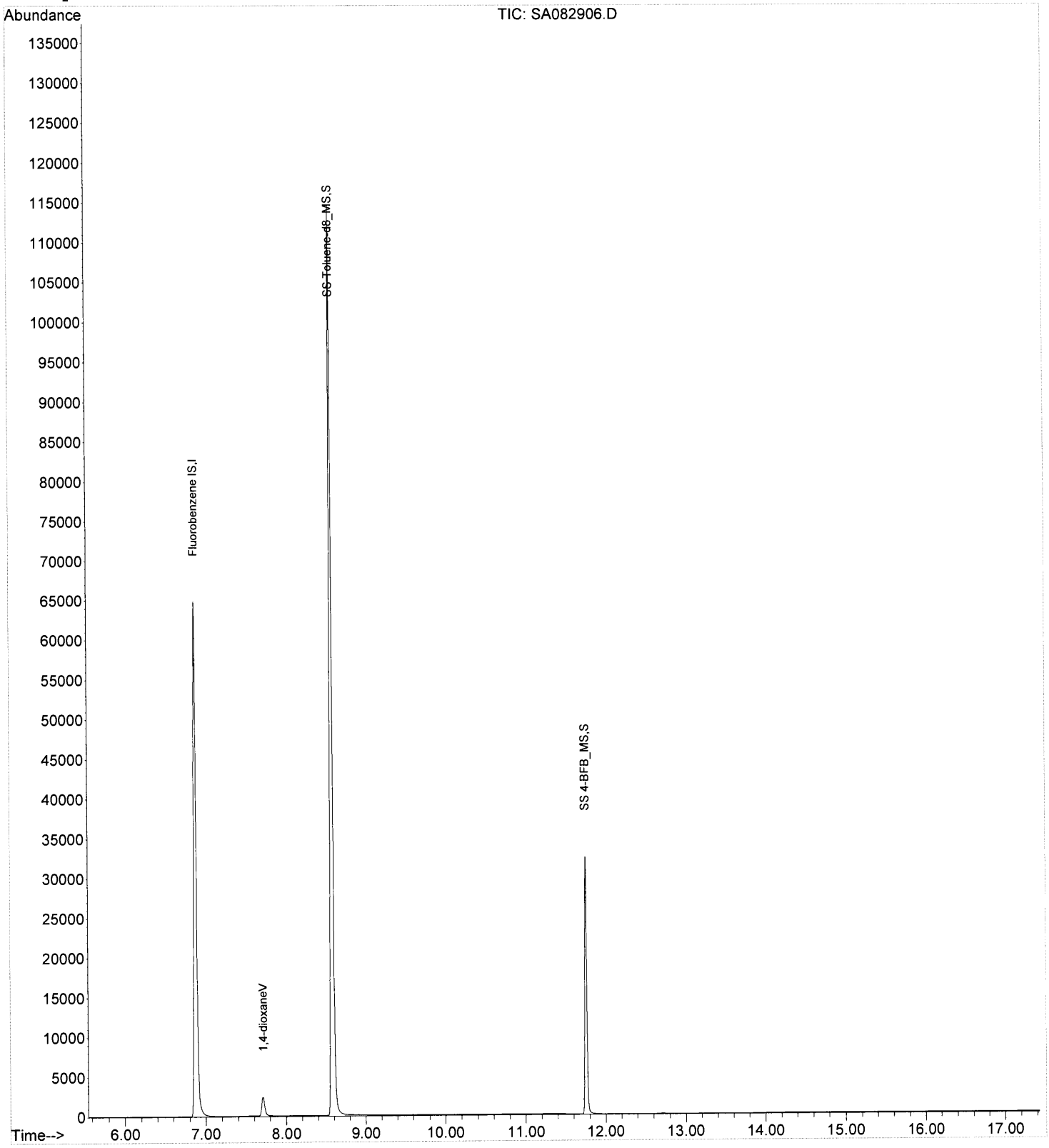
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082906.D Vial: 6
Acq On : 29 Aug 2011 2:45 pm Operator: VG
Sample : 102479.04 Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 9:08 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082907.D Vial: 7
Acq On : 29 Aug 2011 3:32 pm Operator: VG
Sample : 102479.04MS Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 09:08:48 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Spiked @ 10 ppb due to what was in parent sample

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	158241	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	144569	9.91	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.10%			
4) SS 4-BFB_MS	11.75	95	56627	9.25	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.47%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	9236	15.203	ug/L	85

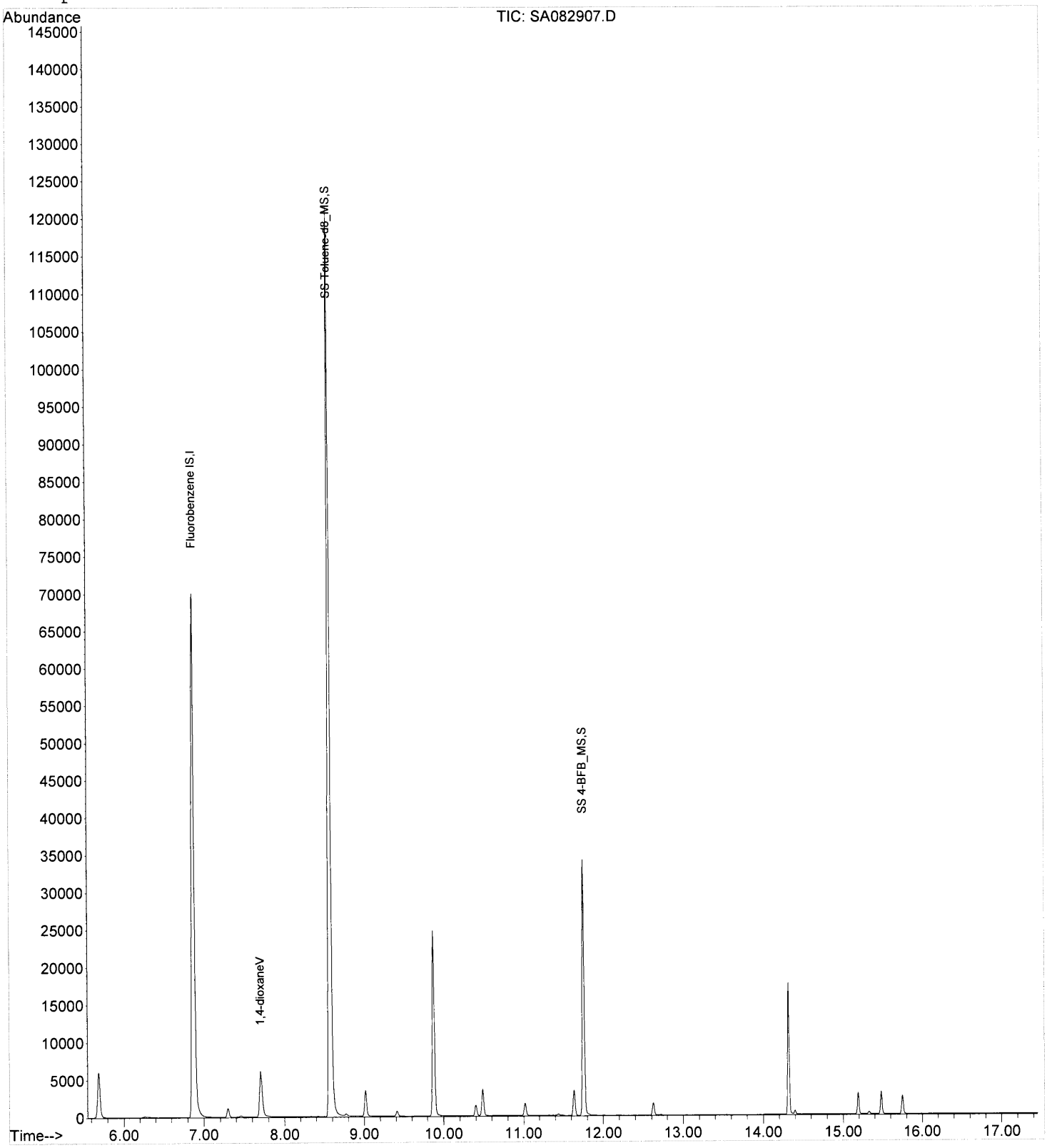
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082907.D Vial: 7
Acq On : 29 Aug 2011 3:32 pm Operator: VG
Sample : 102479.04MS Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 9:08 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082908.D Vial: 8
Acq On : 29 Aug 2011 4:20 pm Operator: VG
Sample : 102479.04MSD Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 09:08:51 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Spiked @ 10ppb

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS		6.88	96	161495	10.000	ug/L	0.00
System Monitoring Compounds							
3) SS Toluene-d8_MS		8.58	98	147555	9.91	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130		Recovery =	99.11%		
4) SS 4-BFB_MS		11.75	95	59192	9.47	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130		Recovery =	94.71%		
Target Compounds							Qvalue
2) 1,4-dioxaneV		7.70	88	9050	14.596	ug/L	85

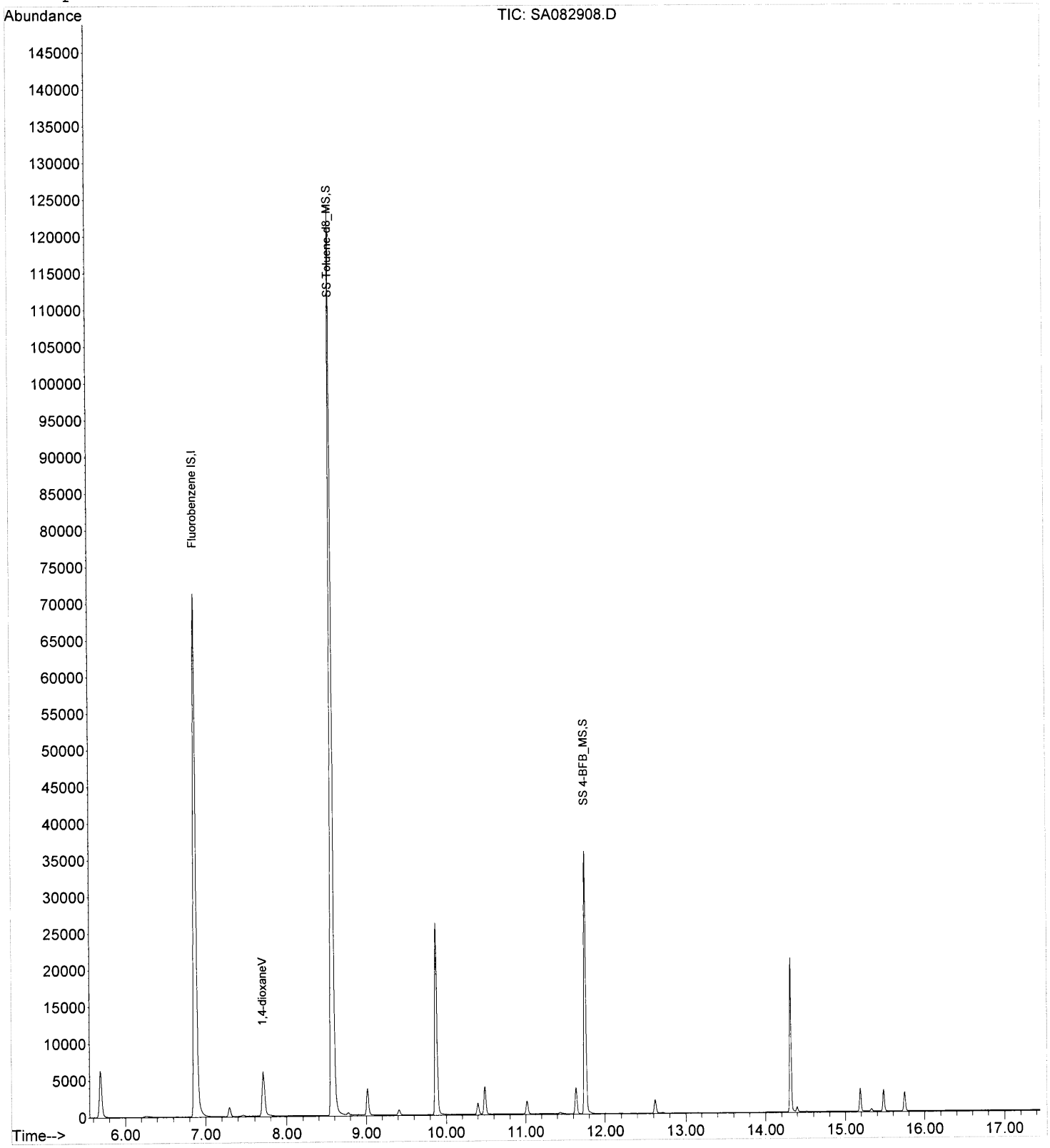
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082908.D 2SIM0815.M Tue Aug 30 09:08:51 2011 304 Page 1

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082908.D Vial: 8
Acq On : 29 Aug 2011 4:20 pm Operator: VG
Sample : 102479.04MSD Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 9:08 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082909.D Vial: 9
Acq On : 29 Aug 2011 5:07 pm Operator: VG
Sample : 102479.01 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 09:08:54 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	153700	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	132958	9.38	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.84%			
4) SS 4-BFB_MS	11.75	95	51527	8.66	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.63%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	8427	14.281	ug/L	86

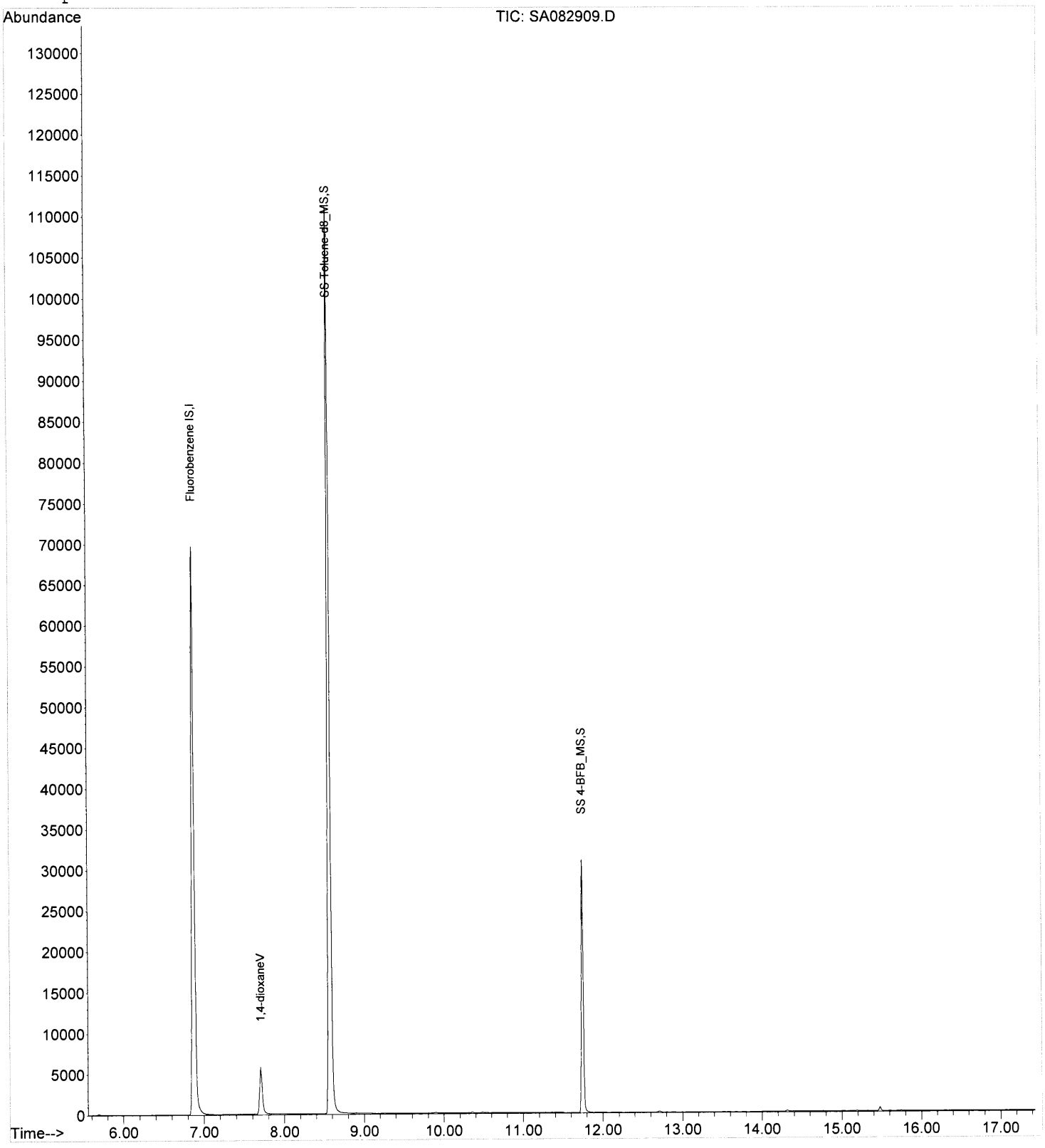
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082909.D Vial: 9
Acq On : 29 Aug 2011 5:07 pm Operator: VG
Sample : 102479.01 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 9:08 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082910.D Vial: 10
Acq On : 29 Aug 2011 5:56 pm Operator: VG
Sample : 102479.06 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 09:08:57 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	142941	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	146654	11.13	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.29%			
4) SS 4-BFB_MS	11.75	95	58303	10.54	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.40%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	61	0.111	ug/L	99

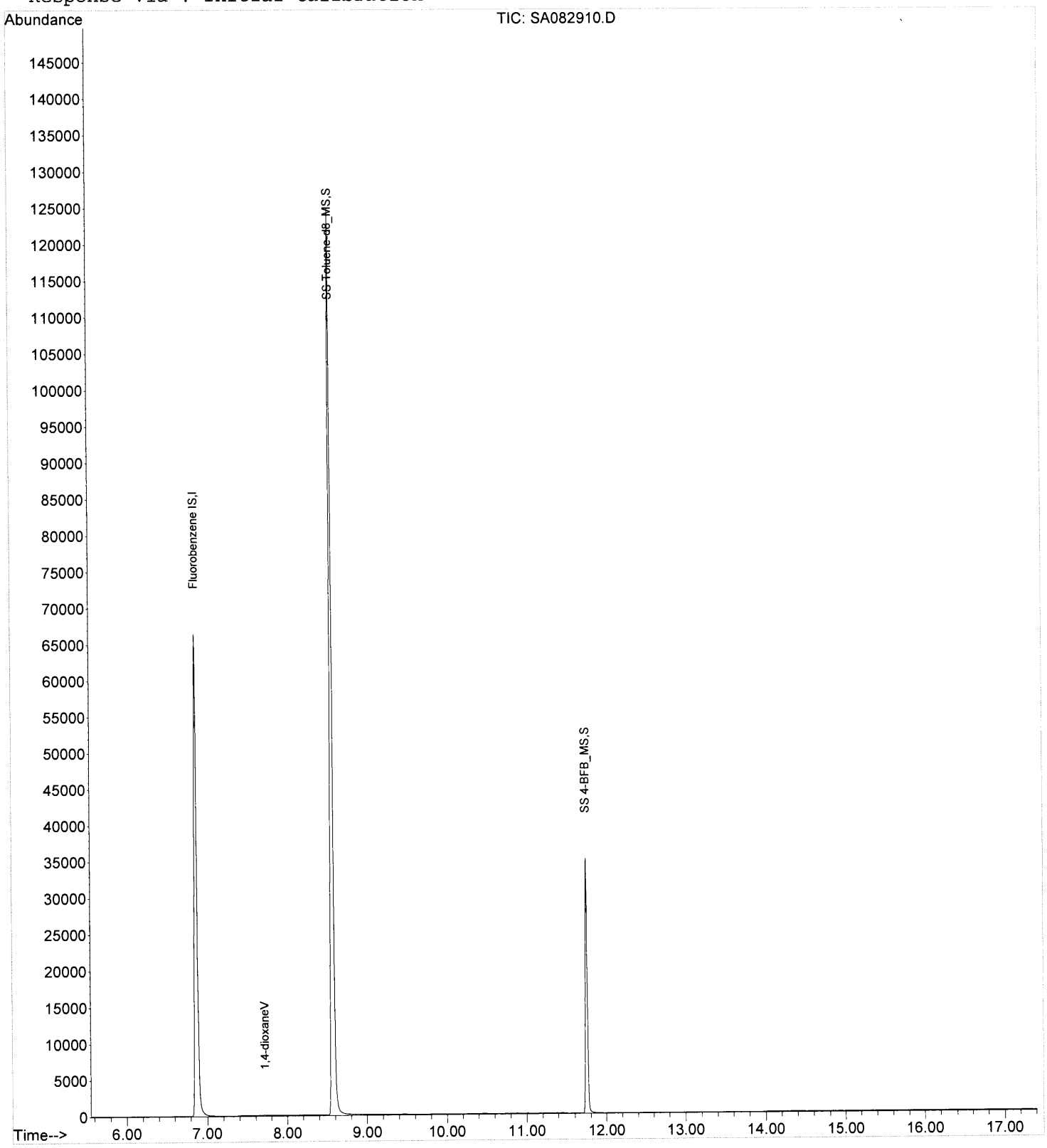
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082910.D Vial: 10
Acq On : 29 Aug 2011 5:56 pm Operator: VG
Sample : 102479.06 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 9:08 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082911.D Vial: 11
Acq On : 29 Aug 2011 6:43 pm Operator: VG
Sample : 102479.09 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 09:09:00 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	104760	10.000 ug/L	0.00
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.57	98	94349	9.77 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.70%		
4) SS 4-BFB_MS	11.75	95	40765	10.06 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.55%		
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.70	88	7740	19.244 ug/L	94

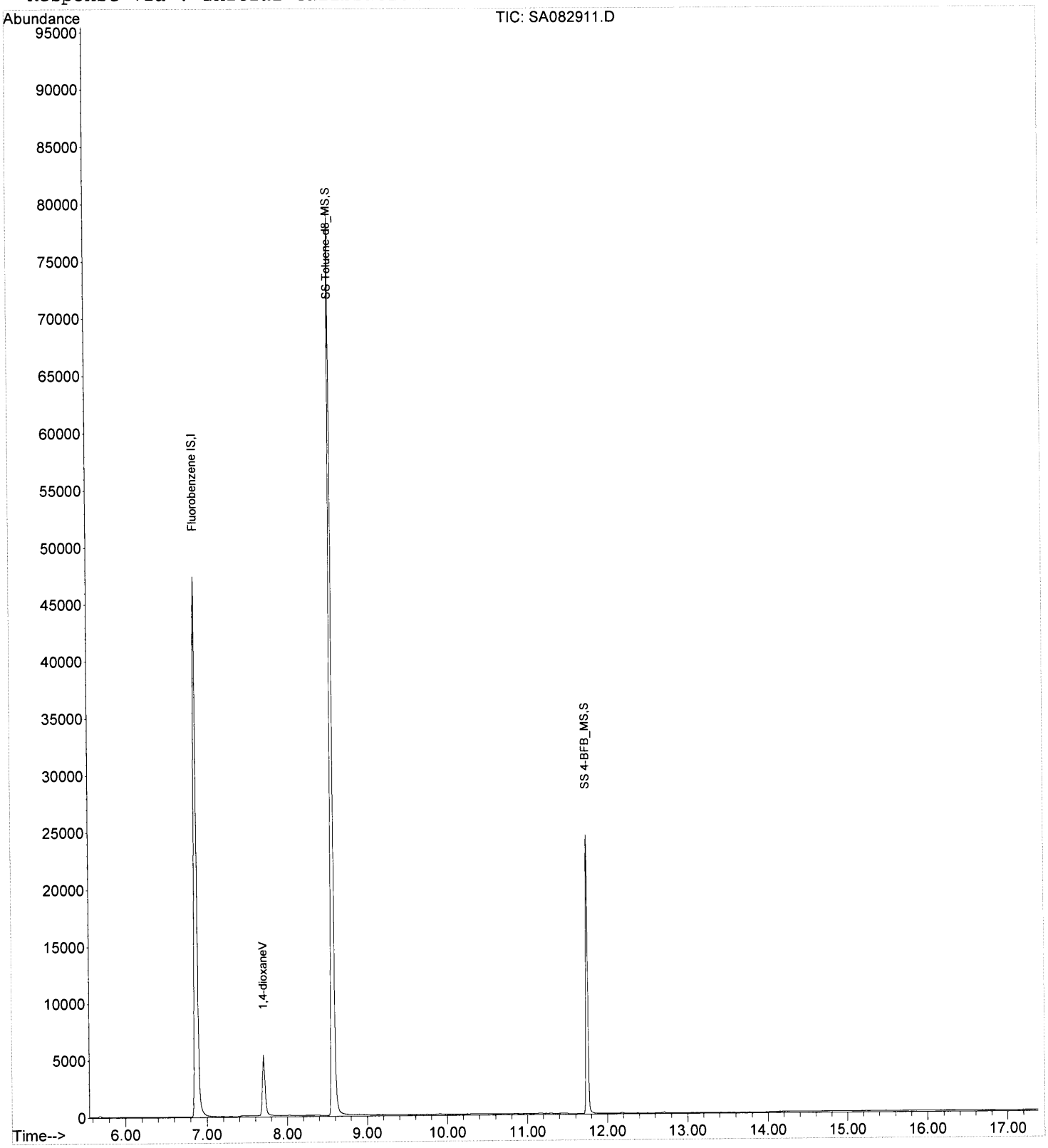
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082911.D Vial: 11
Acq On : 29 Aug 2011 6:43 pm Operator: VG
Sample : 102479.09 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 9:08 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082912.D Vial: 12
Acq On : 29 Aug 2011 7:31 pm Operator: VG
Sample : 102479.10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 09:09:03 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	123363	10.000 ug/L	0.00
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.57	98	108801	9.57 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.67%	
4) SS 4-BFB_MS	11.75	95	41937	8.78 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	87.85%	
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.70	88	12835	27.100 ug/L	98

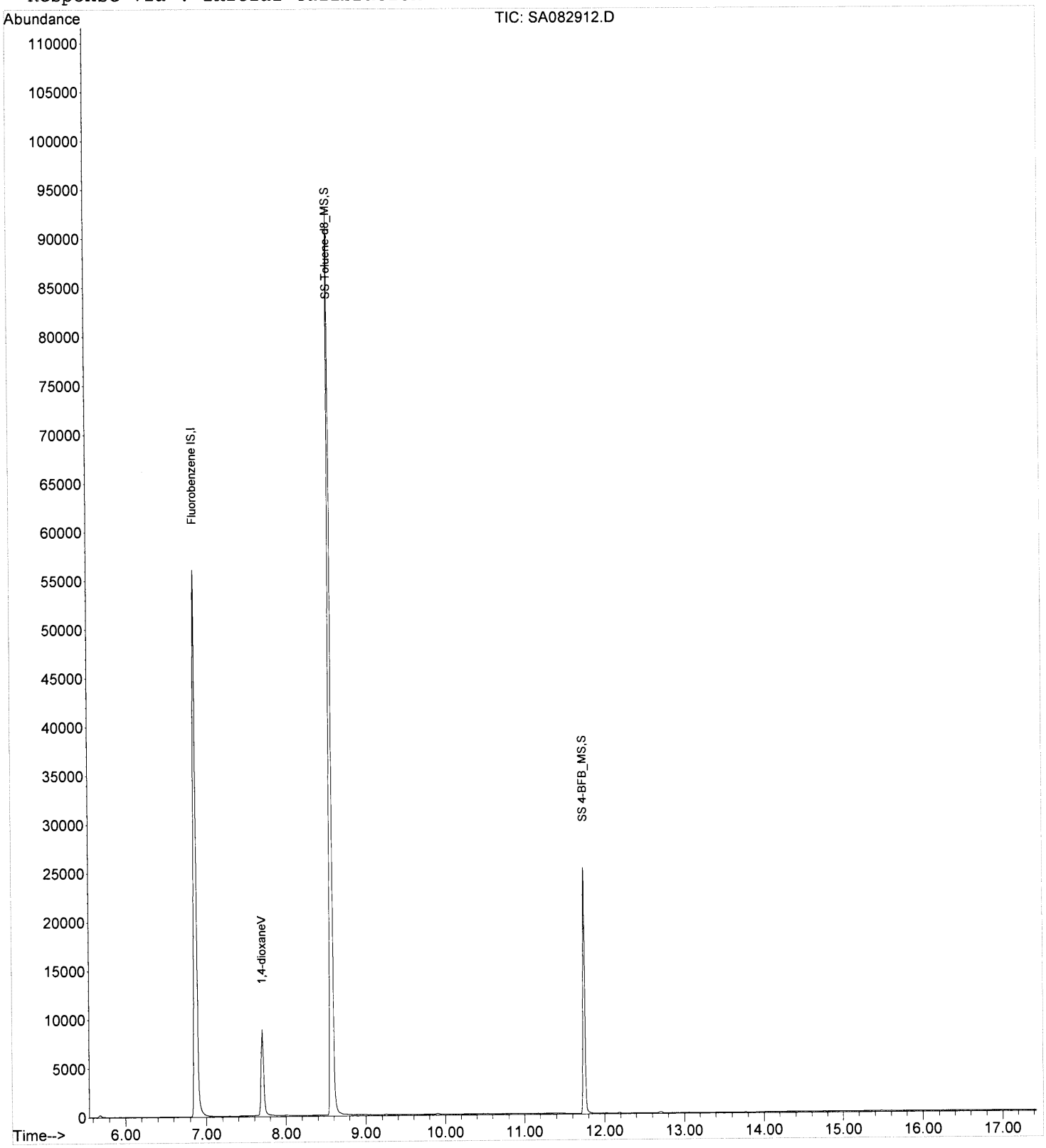
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082912.D Vial: 12
Acq On : 29 Aug 2011 7:31 pm Operator: VG
Sample : 102479.10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 9:08 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082913.D Vial: 13
Acq On : 29 Aug 2011 8:19 pm Operator: VG
Sample : 102479.11 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 09:09:06 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	109978	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	89352	8.81	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.13%			
4) SS 4-BFB_MS	11.75	95	39325	9.24	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.40%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	22113	52.372	ug/L	97

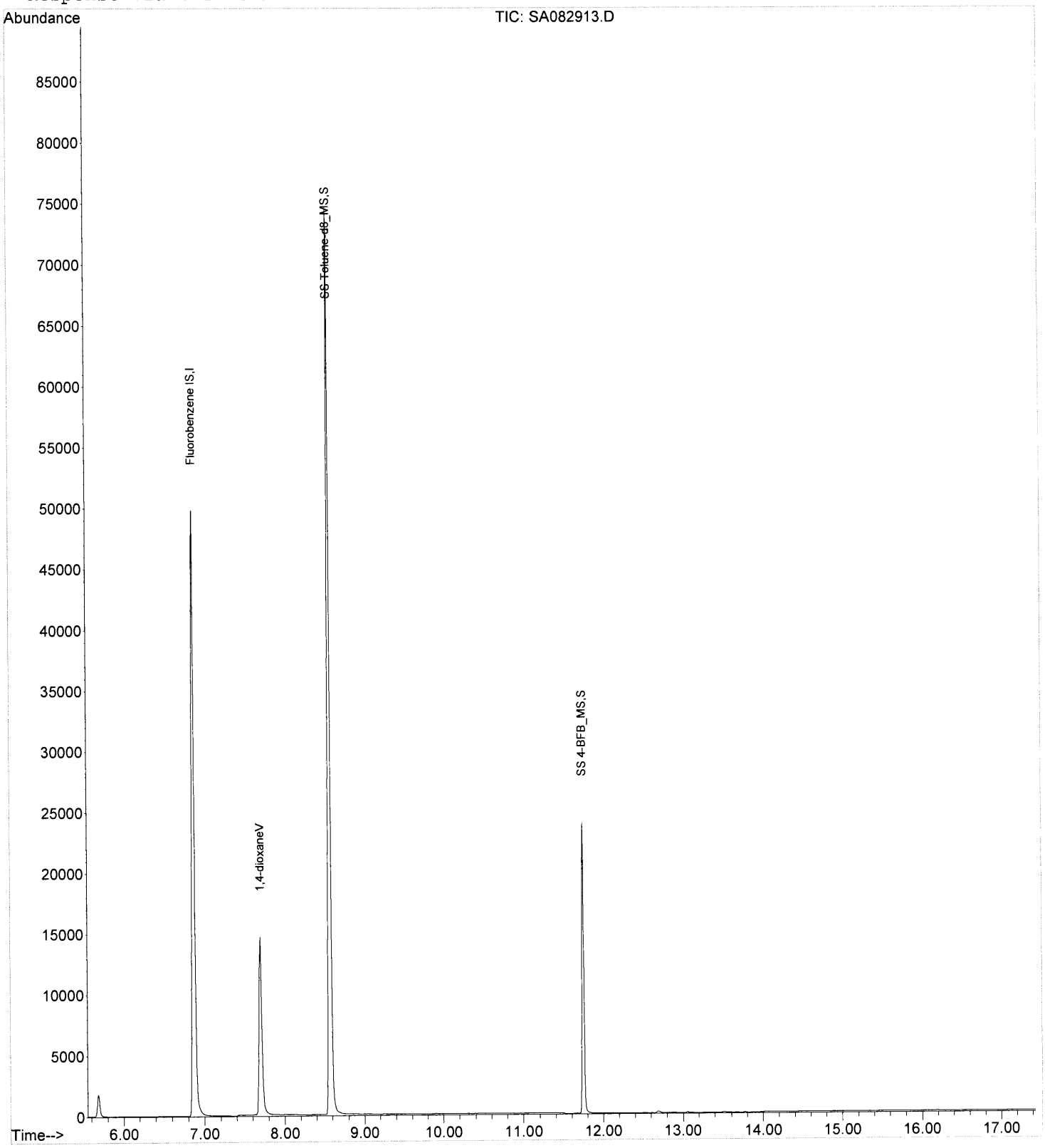
Rerun x10
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082913.D Vial: 13
Acq On : 29 Aug 2011 8:19 pm Operator: VG
Sample : 102479.11 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 9:08 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082914.D Vial: 14
Acq On : 29 Aug 2011 9:06 pm Operator: VG
Sample : 102479.16 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 09:09:09 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	119336	10.000 ug/L	-0.01
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.57	98	108067	9.82 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.23%		
4) SS 4-BFB_MS	11.75	95	42321	9.16 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.64%		
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.70	88	12708	27.737 ug/L	100

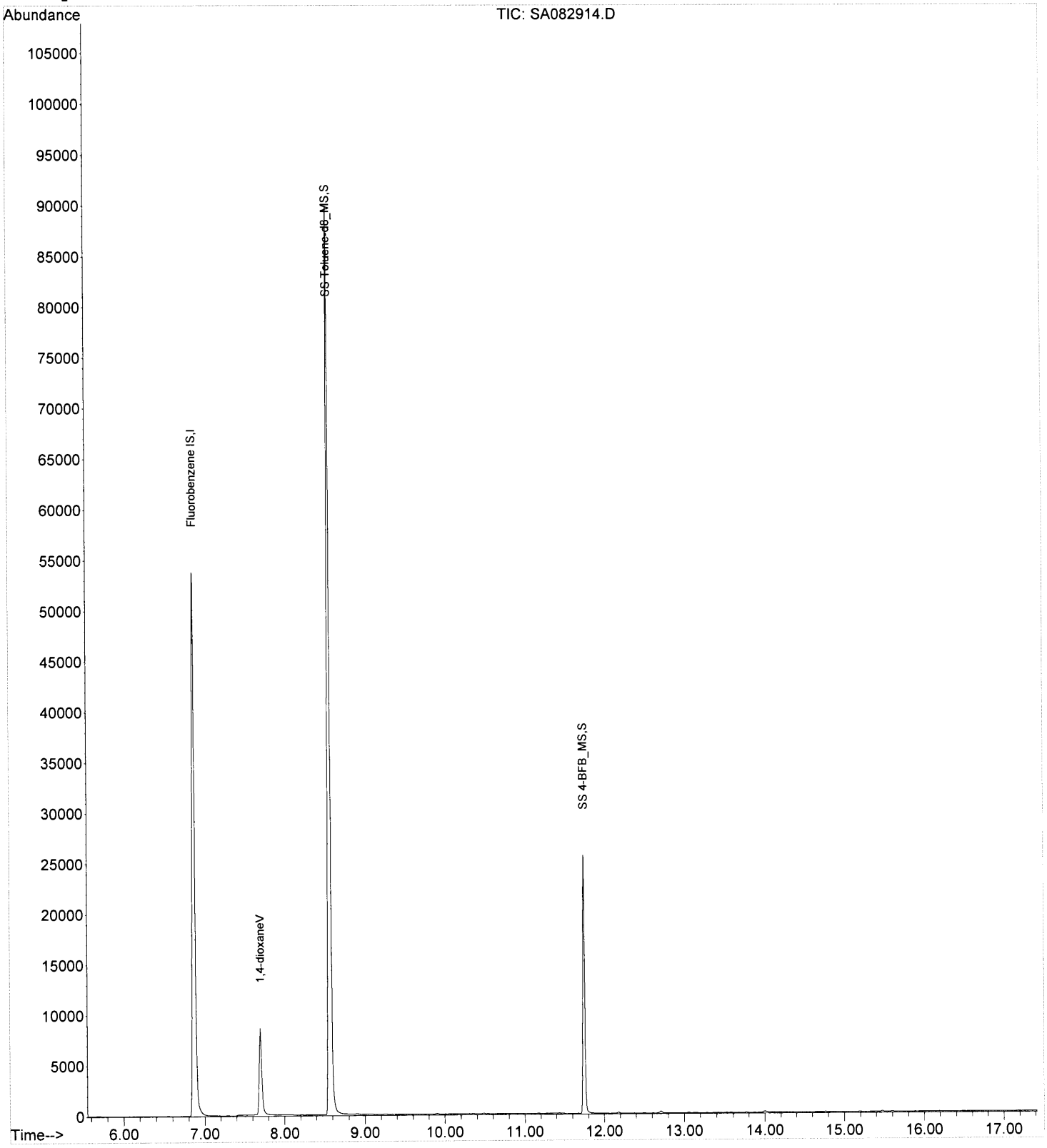
Known. Maybe SDMC C.O.
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082914.D Vial: 14
Acq On : 29 Aug 2011 9:06 pm Operator: VG
Sample : 102479.16 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 9:08 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082915.D Vial: 15
Acq On : 29 Aug 2011 9:54 pm Operator: VG
Sample : 102479.19 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 09:09:12 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	109057	10.000 ug/L	-0.01
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.57	98	93132	9.26 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.64%		
4) SS 4-BFB_MS	11.75	95	36077	8.55 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.48%		
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.72	88	81	0.193 ug/L	92

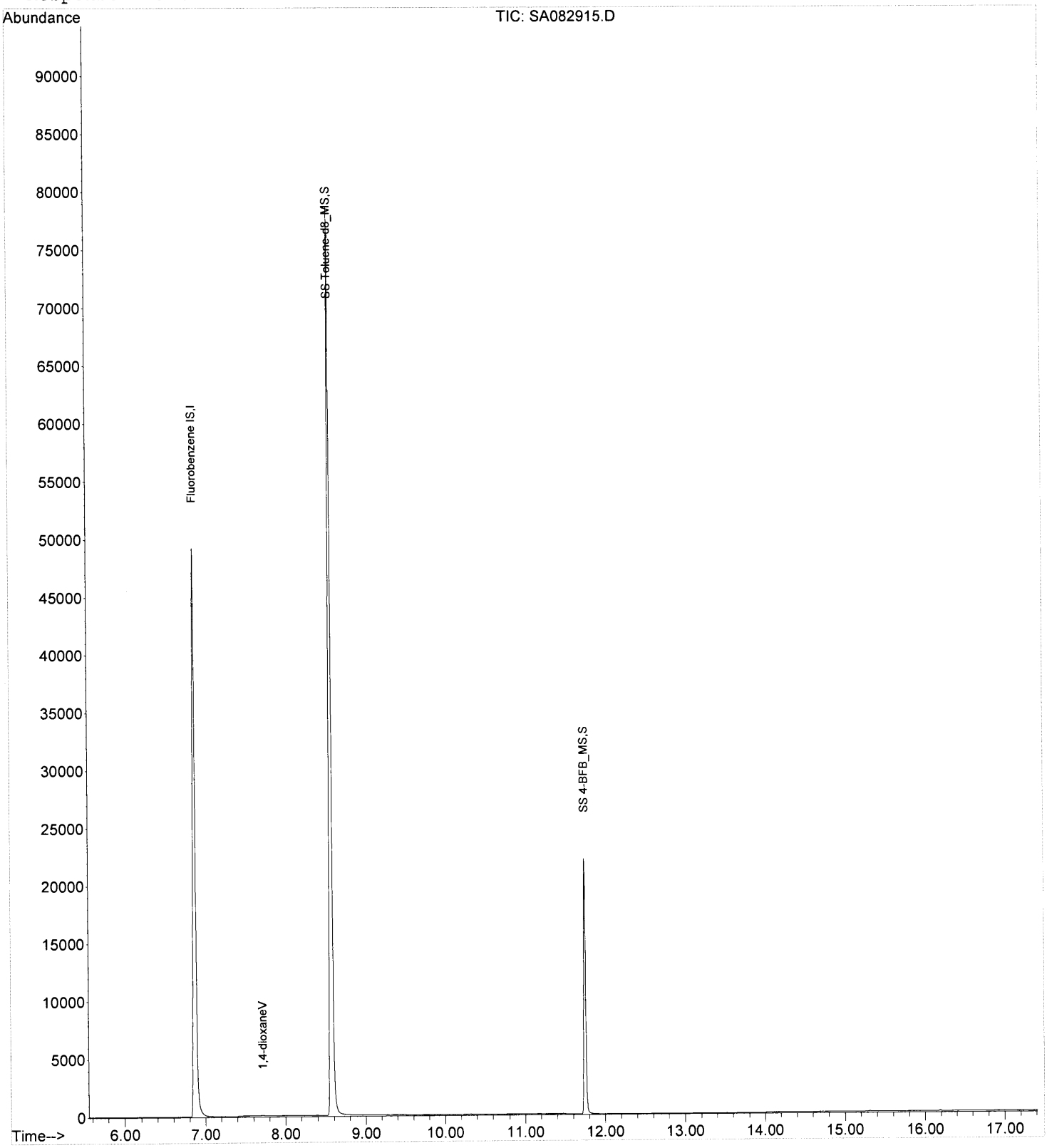
8/30/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2911\SA082915.D Vial: 15
Acq On : 29 Aug 2011 9:54 pm Operator: VG
Sample : 102479.19 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 9:09 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3011\SA083007.D Vial: 7
Acq On : 30 Aug 2011 4:17 pm Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 16:59:57 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

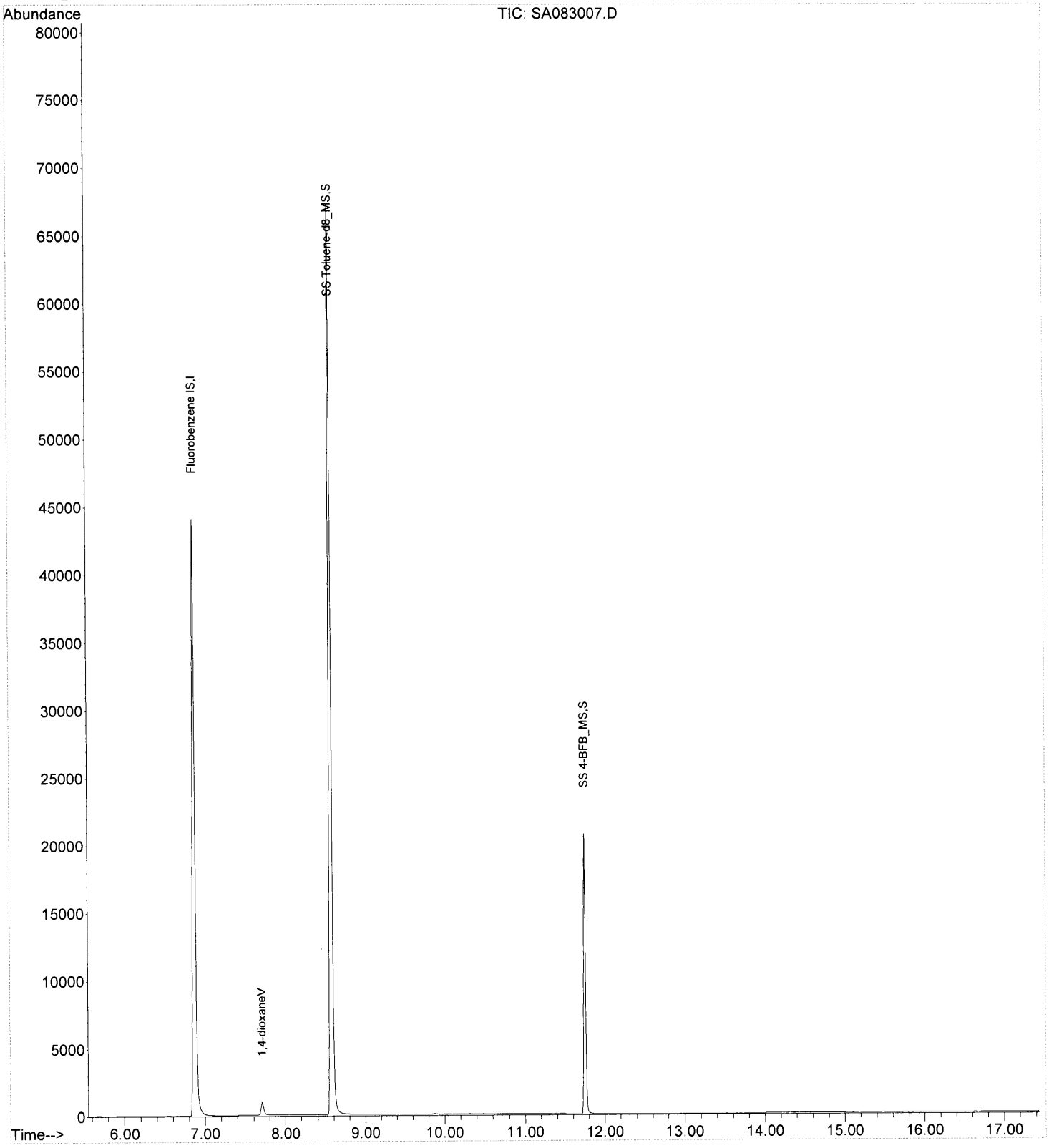
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	98465	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	80355	8.85	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.53%			
4) SS 4-BFB_MS	11.75	95	34395	9.03	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.27%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	1514m	4.005	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3011\SA083007.D Vial: 7
Acq On : 30 Aug 2011 4:17 pm Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 17:00 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Sep 02 09:25:56 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3011\SA083008.D Vial: 8
Acq On : 30 Aug 2011 5:05 pm Operator: VG
Sample : LCSaA083011V82602 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 08:04:55 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

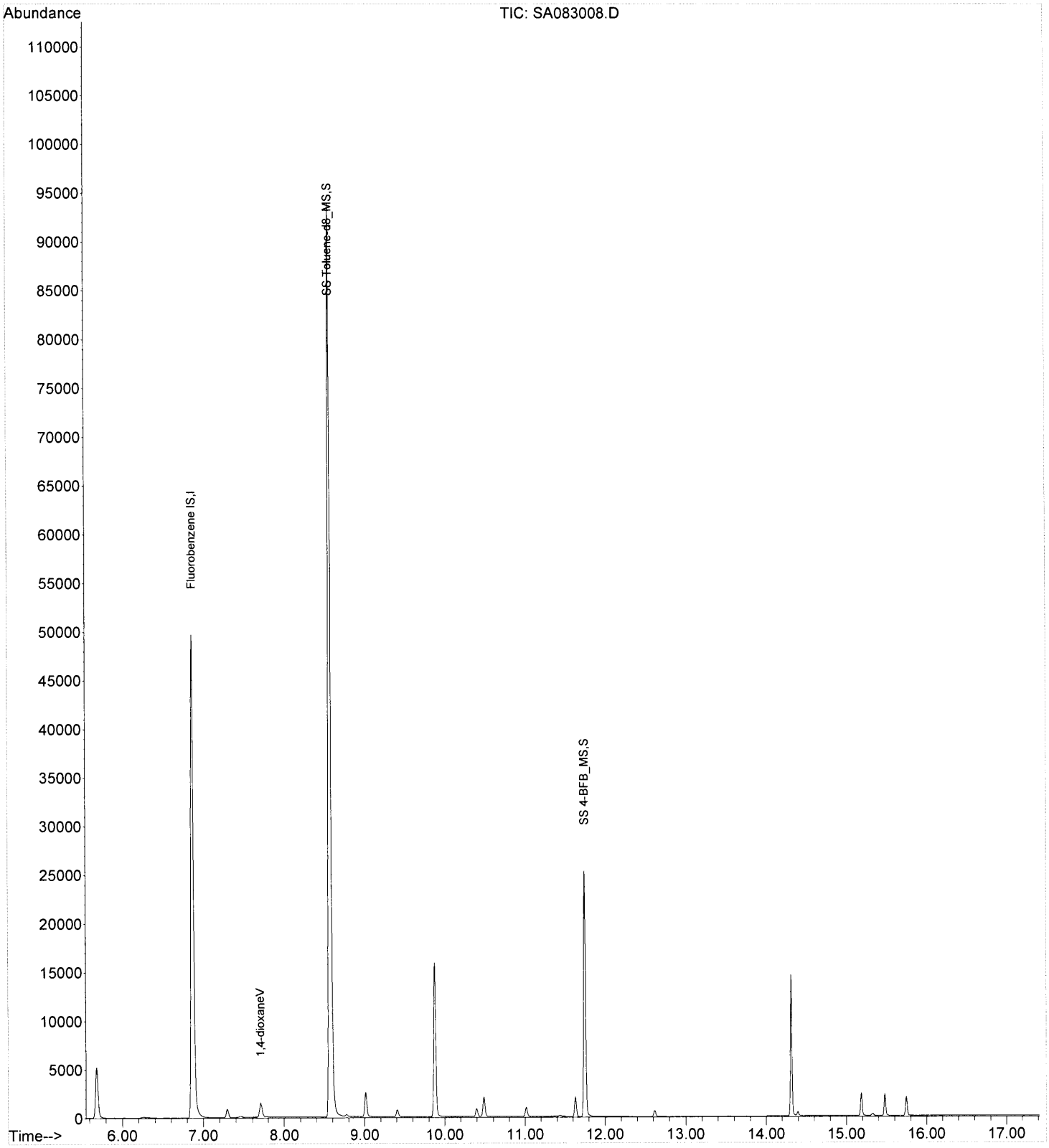
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	112811	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	112349	10.80	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.03%			
4) SS 4-BFB_MS	11.75	95	42201	9.67	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.67%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	2217m	5.119	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3011\SA083008.D Vial: 8
Acq On : 30 Aug 2011 5:05 pm Operator: VG
Sample : LCSaA083011V82602 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 14:00 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Sep 02 09:25:56 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3011\SA083009.D Vial: 8
Acq On : 30 Aug 2011 5:52 pm Operator: VG
Sample : LCSDA083011V82602 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 08:05:12 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

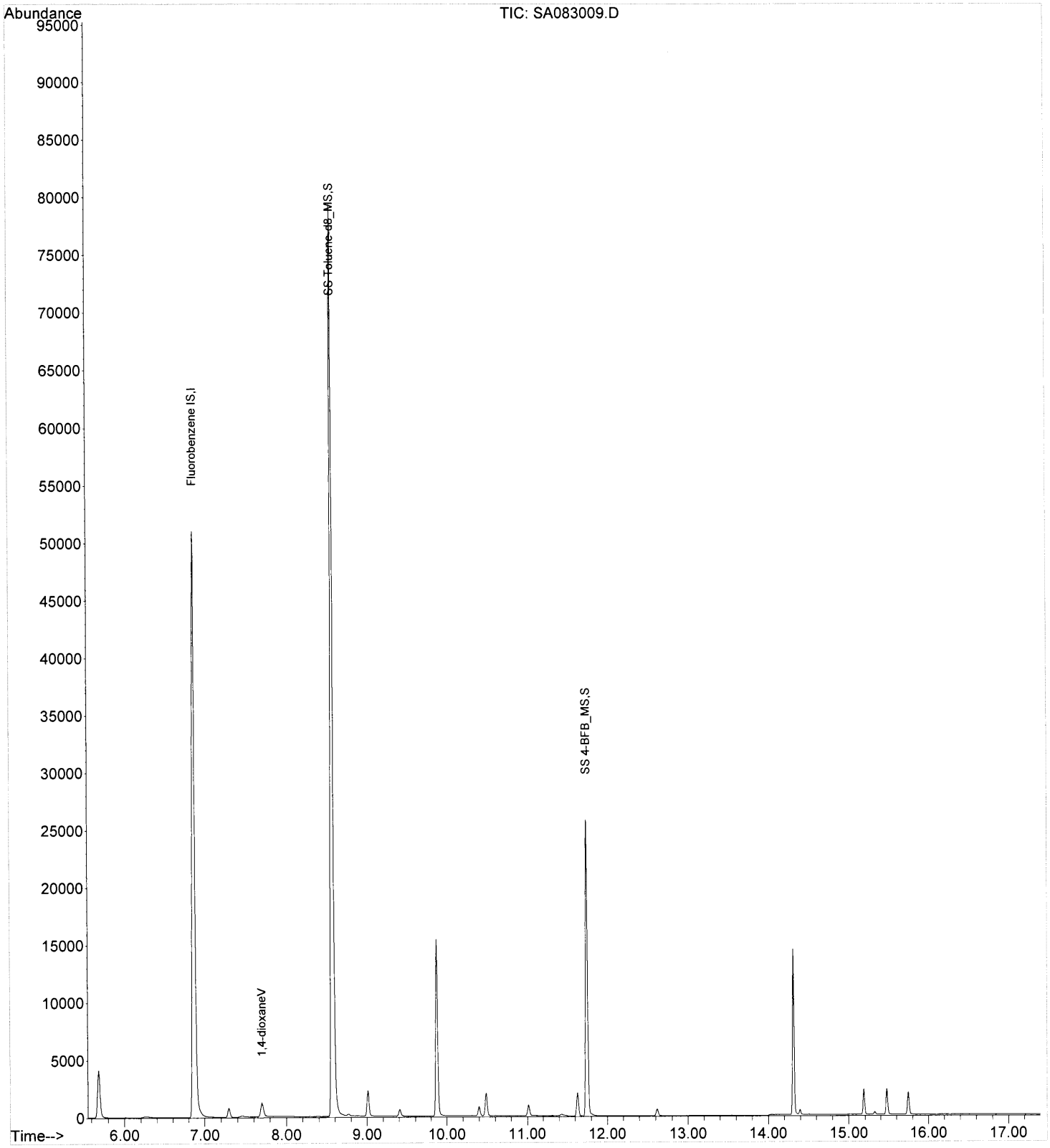
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	112974	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	95585	9.18	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.78%			
4) SS 4-BFB_MS	11.75	95	42680	9.76	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.62%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	1867m	4.304	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3011\SA083009.D Vial: 8
Acq On : 30 Aug 2011 5:52 pm Operator: VG
Sample : LCSDA083011V82602 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 14:06 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Sep 02 09:25:56 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3011\SA083010.D Vial: 9
Acq On : 30 Aug 2011 6:39 pm Operator: VG
Sample : BlnkA083011V82602 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 08:05:23 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

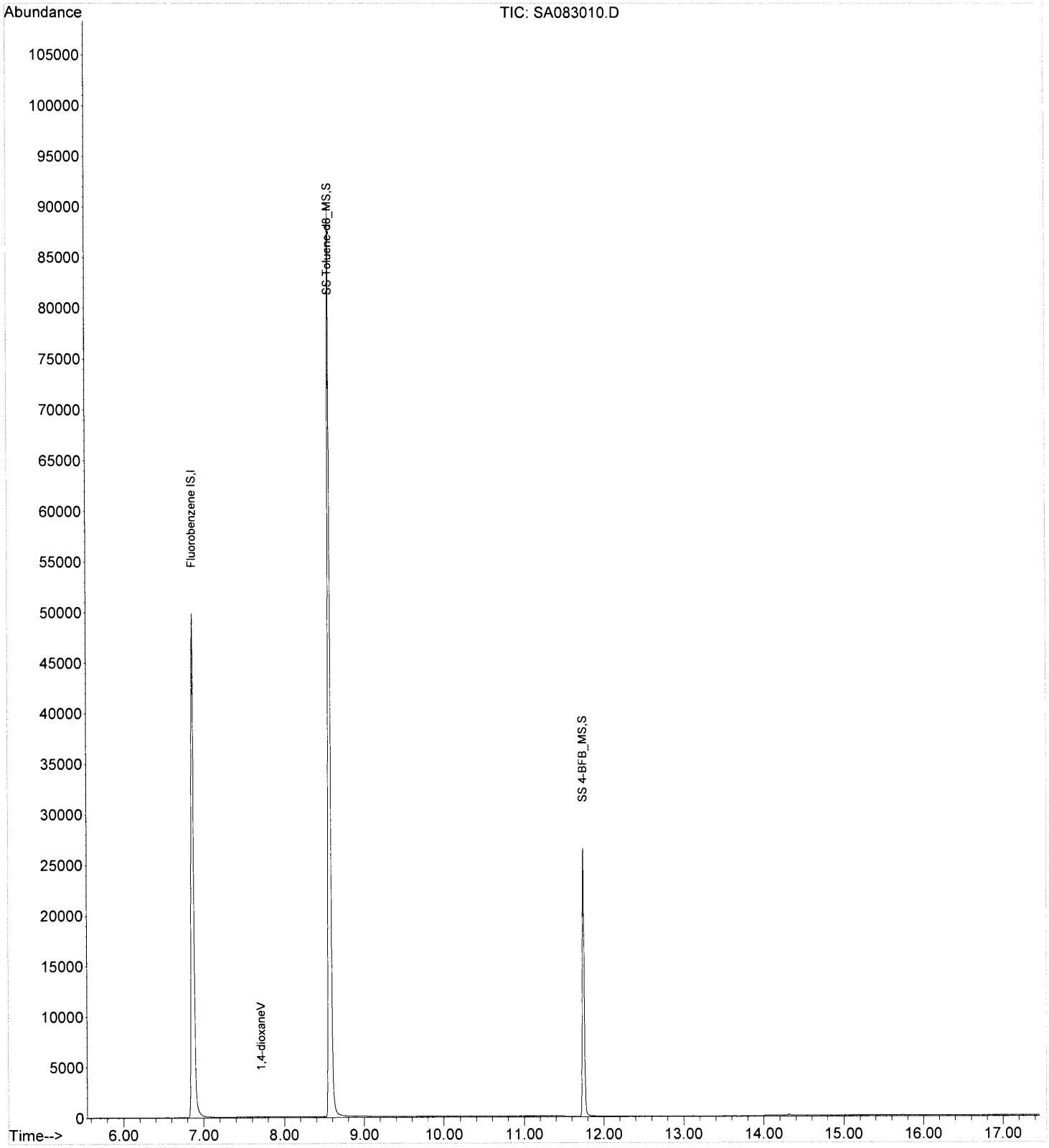
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	111829	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	107065	10.39	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.86%			
4) SS 4-BFB_MS	11.75	95	44353	10.25	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.49%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	43	0.100	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3011\SA083010.D Vial: 9
Acq On : 30 Aug 2011 6:39 pm Operator: VG
Sample : BlnkA083011V82602 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 8:05 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Sep 02 09:25:56 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG3011\SA083012.D Vial: 11
Acq On : 30 Aug 2011 8:15 pm Operator: VG
Sample : 102479.11 Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 08:05:47 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	115152	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	107741	10.15	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.50%			
4) SS 4-BFB_MS	11.75	95	46961	10.54	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.38%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	2316	5.239	ug/L	99

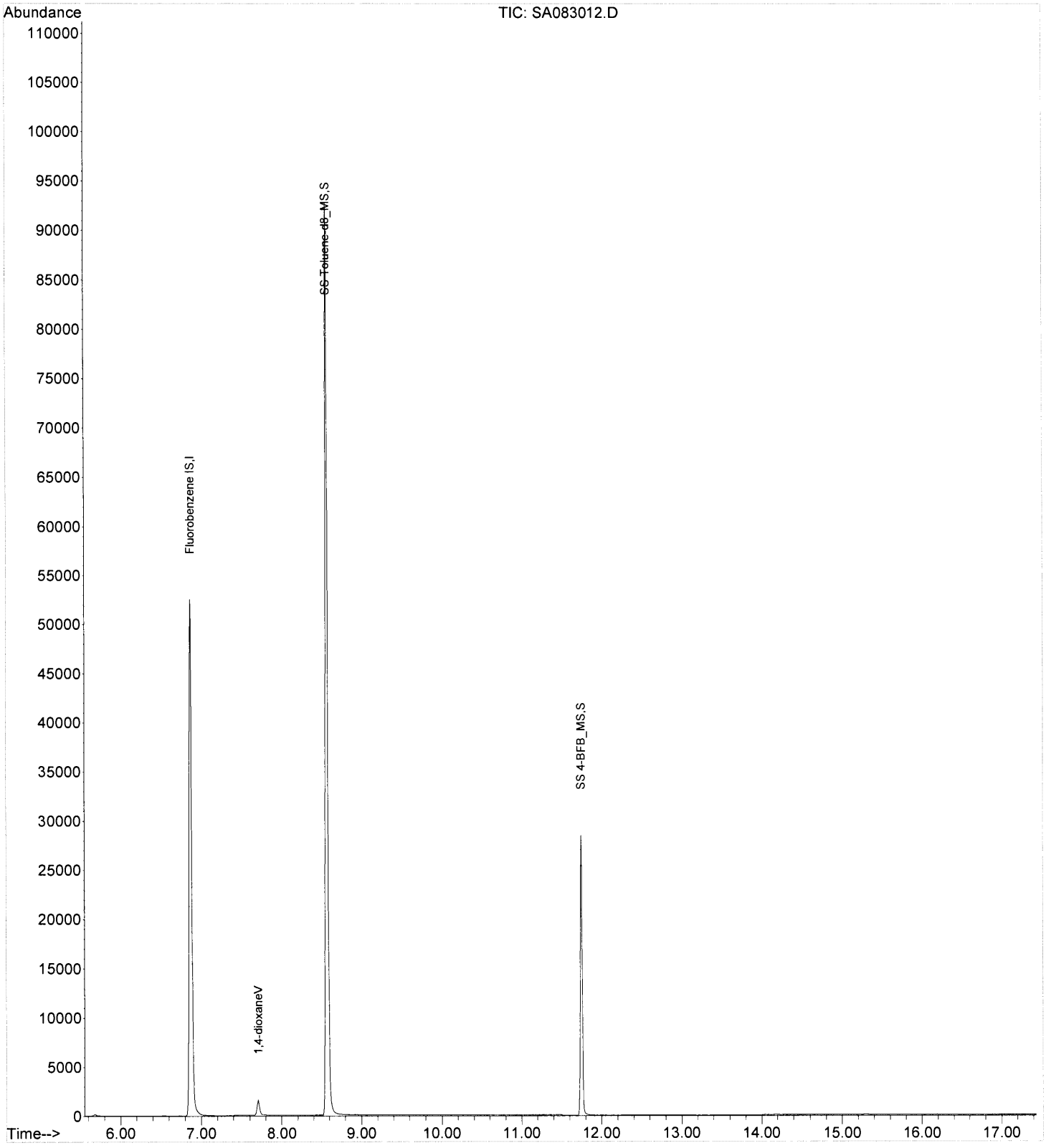
8/31/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG3011\SA083012.D Vial: 11
Acq On : 30 Aug 2011 8:15 pm Operator: VG
Sample : 102479.11 Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 8:05 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG3011\SA083011.D Vial: 10
Acq On : 30 Aug 2011 7:27 pm Operator: VG
Sample : 102479.16 Inst : VOAMS2
Misc : X1;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 08:05:42 2011 Quant Results File: 2SIM0815.RES

Quant Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	105732	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	101326	10.40	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.96%			
4) SS 4-BFB_MS	11.75	95	44802	10.95	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.50%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	10014	24.669	ug/L	97

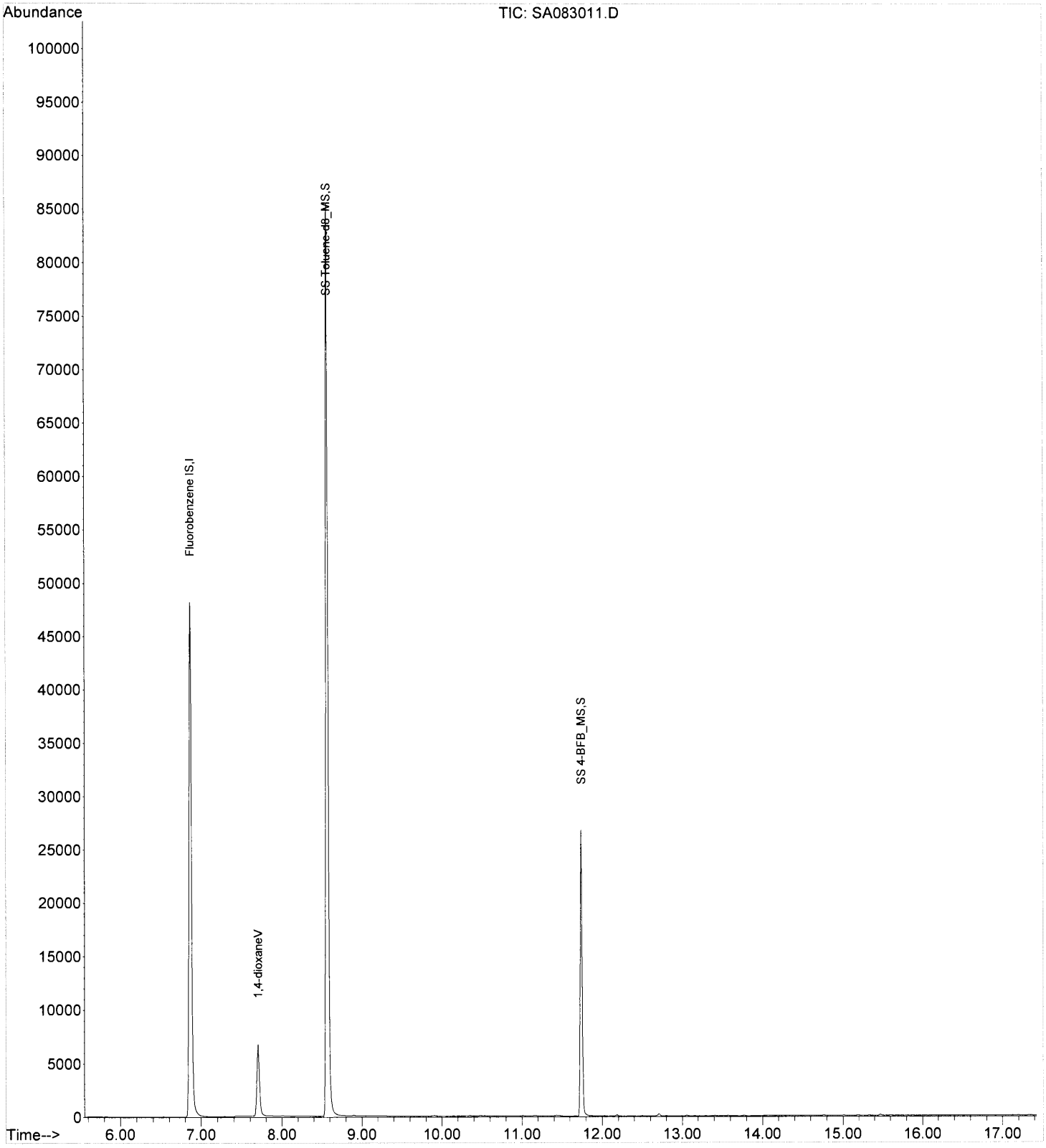
8/31/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA083011.D 2SIM0815.M Wed Aug 31 08:05:44 2011

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG3011\SA083011.D Vial: 10
Acq On : 30 Aug 2011 7:27 pm Operator: VG
Sample : 102479.16 Inst : VOAMS2
Misc : X1;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 8:05 2011 Quant Results File: 2SIM0815.RES

Method : V:\1\METHODS\2011\2SIM0815.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Tue Aug 16 10:14:11 2011
Response via : Initial Calibration



October 7, 2011

Kevin McKibben
Provan & Lorber (Co)
PO Box 389
Contoocook, NH 03229

Additional Data for EAI SRBs: 102343, 102455 and 102479

Dear Mr. McKibben,

Enclosed please find the additional data for the Metals Analyses requested by Taryn Scholz of QAA, LLC. The enclosed report consists of 1825 pages and pertains to three sample delivery batches; 102343, 102455 and 102479.

This package concludes the above mentioned request for additional data.

Please do not hesitate to contact me with any additional questions or concerns.

Sincerely,

Kathleen E. Noonan-Kelley
QA/QC Coordinator

eastern analytical, inc.

professional laboratory services

Metals Analysis
Raw Data
August 24, 2011

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

Sample ID: Blank
Sample Date/Time Wednesday August 24 2011 15:43:41
Autosampl Position: 1
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\Blank.18156
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11475.238						ug/L		
Be	9	7						ug/L		
B	10	108.335						ug/L		
B	11	465.017						ug/L		
C	12	472590.554						ug/L		
Na	23	74135.947						ug/L		
Mg	24	916.805						ug/L		
Mg	25	93.343						ug/L		
Al	27	5855.804						ug/L		
Si	28	65464.742						ug/L		
P	31	17959.528						ug/L		
S	32	79879518.78						ug/L		
Cl	35	7880418.982						ug/L		
K	39	730889.964						ug/L		
Ca	44	33525.049						ug/L		
Sc	45	178983.465						ug/L		
Ti	47	203.671						ug/L		
Ti	48	-2306.986						ug/L		
V	51	34576.98						ug/L		
ClO	51	35196.71						ug/L		
Cr	52	8038.584						ug/L		
Cr	53	11268.093						ug/L		
Fe	54	107537.568						ug/L		
Mn	55	1641.498						ug/L		
Fe	56	2774775.206						ug/L		
Fe	57	8124.442						ug/L		
Co	59	97.335						ug/L		
Ni	60	85.668						ug/L		
Ni	62	54.667						ug/L		
Cu	63	183.67						ug/L		
Zn	64	1198.733						ug/L		
Cu	65	84.335						ug/L		
Zn	66	685.033						ug/L		
Zn	68	587.358						ug/L		
Ge	72	170020.603						ug/L		
As	75	127.976						ug/L		
Se	74	16485.063						mg/L		
ArCl	77	777.041						ug/L		

Br	79	2464.359	ug/L
Br	81	24321.4	ug/L
Y	89	467735.186	ug/L
Mo	95	271.673	ug/L
Rh	103	439898.427	ug/L
Ag	107	511.019	ug/L
Ag	109	490.352	ug/L
Cd	111	22.334	ug/L
Cd	114	47.334	ug/L
In	115	566720.253	ug/L
Sb	121	1315.442	ug/L
Sb	123	974.875	ug/L
Ba	137	48.667	ug/L
Ba	138	284.895	ug/L
Tb	159	753041.703	ug/L
Ho	165	745562.949	ug/L
Hg	200	15.667	ug/L
Hg	202	24	ug/L
Tl	205	445.349	ug/L
Pb	208	722.352	ug/L
Bi	209	541360.13	ug/L
Se	77	709.361	mg/L
Se	78	14799.437	mg/L
Se	82	-11.556	mg/L

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
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Sample ID: Standard 1
Sample Date/Time Wednesday August 24 2011 15:50:20
Autosampl Position: 2
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Da 1.18157
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11710.204						ug/L		
Be	9	11.333						ug/L		
B	10	107.002						ug/L		
B	11	504.686						ug/L		
C	12	580323.25						ug/L		
Na	23	52503.143						ug/L		
Mg	24	3217.559						ug/L		
Mg	25	483.395						ug/L		
Al	27	11645.287						ug/L		
Si	28	66059.143						ug/L		
P	31	18811.322						ug/L		
S	32	79246308.17						ug/L		
Cl	35	7664630.225						ug/L		
K	39	726482.36						ug/L		
Ca	44	34301.347						ug/L		
Sc	45	183879.034						ug/L		
Ti	47	251.006						ug/L		
Ti	48	-2046.209						ug/L		
V	51	35111.697						ug/L		
ClO	51	35791.681						ug/L		
Cr	52	7898.364						ug/L		
Cr	53	11522.079						ug/L		
Fe	54	101988.716						ug/L		
Mn	55	1461.799						ug/L		
Fe	56	2726983.168						ug/L		
Fe	57	8831.838						ug/L		
Co	59	109.668						ug/L		
Ni	60	73.334						ug/L		
Ni	62	55.667						ug/L		
Cu	63	240.672						ug/L		
Zn	64	2494.778						ug/L		
Cu	65	112.335						ug/L		
Zn	66	1427.46						ug/L		
Zn	68	1082.075						ug/L		
Ge	72	170326.144						ug/L		
As	75	239.49						ug/L		
Se	74	17017.355						mg/L		
ArCl	77	761.373						ug/L		

Br	79	2395.673	ug/L						
Br	81	24678.036	ug/L						
Y	89	465552.618	ug/L						
Mo	95	247.339	ug/L						
Rh	103	451508.674	ug/L						
Ag	107	529.021	ug/L						
Ag	109	511.686	ug/L						
Cd	111	28	ug/L						
Cd	114	55.667	ug/L						
In	115	569620.181	ug/L						
Sb	121	1163.086	ug/L						
Sb	123	890.866	ug/L						
Ba	137	102.002	ug/L						
Ba	138	580.516	ug/L						
Tb	159	771869.64	ug/L						
Ho	165	756924.126	ug/L						
Hg	200	0.1	263.673	ug/L	0.011				
Hg	202	0.1	353.677	ug/L	0.007				
Tl	205	415.68	ug/L						
Pb	208	960.029	ug/L						
Bi	209	551206.901	ug/L						
Se	77	801.369	mg/L						
Se	78	14573.905	mg/L						
Se	82	25.154	mg/L						

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
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Sample ID: Standard 2
Sample Date/Time Wednesday August 24 2011 15:57:00
Autosampl Position: 3
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D 2.18158
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12165.468						ug/L		
Be	9	6.333						ug/L		
B	10	106.668						ug/L		
B	11	488.018						ug/L		
C	12	577410.424						ug/L		
Na	23	119140.787						ug/L		
Mg	24	3484.35						ug/L		
Mg	25	450.056						ug/L		
Al	27	16767.124						ug/L		
Si	28	68178.213						ug/L		
P	31	17695.641						ug/L		
S	32	78656271.01						ug/L		
Cl	35	7471541.505						ug/L		
K	39	739760.023						ug/L		
Ca	44	36858.247						ug/L		
Sc	45	188963.774						ug/L		
Ti	47	233.005						ug/L		
Ti	48	-1848.36						ug/L		
V	51	34593.375						ug/L		
ClO	51	35388.106						ug/L		
Cr	52	8156.675						ug/L		
Cr	53	11277.104						ug/L		
Fe	54	105984.316						ug/L		
Mn	55	1520.809						ug/L		
Fe	56	2773356.721						ug/L		
Fe	57	8775.11						ug/L		
Co	59	128.002						ug/L		
Ni	60	147.669						ug/L		
Ni	62	67.334						ug/L		
Cu	63	444.682						ug/L		
Zn	64	9715.41						ug/L		
Cu	65	224.338						ug/L		
Zn	66	5815.251						ug/L		
Zn	68	4158.326						ug/L		
Ge	72	172039.554						ug/L		
As	75	88.658						ug/L		
Se	74	20560.985						mg/L		
ArCl	77	775.041						ug/L		

Br	79	2046.584	ug/L						
Br	81	25261.301	ug/L						
Y	89	481023.578	ug/L						
Mo	95	242.339	ug/L						
Rh	103	458483.8	ug/L						
Ag	107	512.686	ug/L						
Ag	109	476.684	ug/L						
Cd	111	27	ug/L						
Cd	114	58.667	ug/L						
In	115	578783.309	ug/L						
Sb	121	1130.082	ug/L						
Sb	123	876.039	ug/L						
Ba	137	134.336	ug/L						
Ba	138	805.163	ug/L						
Tb	159	766725.872	ug/L						
Ho	165	757679.141	ug/L						
Hg	200	1.000704	2685.424	ug/L	0.029				
Hg	202	1.000162	3375.994	ug/L	0.024				
Tl	205	390.346	ug/L						
Pb	208	3111.24	ug/L						
Bi	209	568010.996	ug/L						
Se	77	753.365	mg/L						
Se	78	14627.121	mg/L						
Se	82	47.447	mg/L						

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
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|	S								
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|	Ca								
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Sample ID: Standard 3
Sample Date/Time Wednesday August 24 2011 16:03:41
Autosampl Position: 4
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D 3.18159
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11987.9						ug/L		
Be	9	8						ug/L		
B	10	102.002						ug/L		
B	11	468.683						ug/L		
C	12	596637.097						ug/L		
Na	23	35412.388						ug/L		
Mg	24	2533.94						ug/L		
Mg	25	370.045						ug/L		
Al	27	11528.457						ug/L		
Si	28	65394.214						ug/L		
P	31	19182.166						ug/L		
S	32	76707709.26						ug/L		
Cl	35	7675841.829						ug/L		
K	39	717905.345						ug/L		
Ca	44	32986.369						ug/L		
Sc	45	182226.995						ug/L		
Ti	47	220.005						ug/L		
Ti	48	-2048.008						ug/L		
V	51	35615.665						ug/L		
ClO	51	36696.952						ug/L		
Cr	52	7888.502						ug/L		
Cr	53	11674.942						ug/L		
Fe	54	103818.451						ug/L		
Mn	55	1351.447						ug/L		
Fe	56	2680664.172						ug/L		
Fe	57	8201.184						ug/L		
Co	59	125.335						ug/L		
Ni	60	170.003						ug/L		
Ni	62	62.668						ug/L		
Cu	63	338.01						ug/L		
Zn	64	1938.224						ug/L		
Cu	65	163.003						ug/L		
Zn	66	1139.416						ug/L		
Zn	68	898.053						ug/L		
Ge	72	170596.514						ug/L		
As	75	71.331						ug/L		
Se	74	18457.452						mg/L		
ArCl	77	782.041						ug/L		

Br	79	2234.964	ug/L						
Br	81	24512.939	ug/L						
Y	89	464004.483	ug/L						
Mo	95	217.671	ug/L						
Rh	103	447227.305	ug/L						
Ag	107	482.684	ug/L						
Ag	109	474.351	ug/L						
Cd	111	27.667	ug/L						
Cd	114	44.001	ug/L						
In	115	571533.738	ug/L						
Sb	121	1016.067	ug/L						
Sb	123	741.687	ug/L						
Ba	137	67.001	ug/L						
Ba	138	407.778	ug/L						
Tb	159	761695.815	ug/L						
Ho	165	739800.641	ug/L						
Hg	200	4.996698	12819.83	ug/L	0.089				
Hg	202	5.005961	16900.2	ug/L	0.064				
Tl	205	363.678	ug/L						
Pb	208	807.689	ug/L						
Bi	209	553741.651	ug/L						
Se	77	684.026	mg/L						
Se	78	14339.022	mg/L						
Se	82	-0.805	mg/L						

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
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|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
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Sample ID: Standard 4
Sample Date/Time Wednesday August 24 2011 16:10:21
Autosampl Position: 9
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D 4.1816
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11730.23		ug/L						
Be	9	0.5	197.337	ug/L	0.023					
B	10	0.5	134.336	ug/L	0.033					
B	11	0.5	644.363	ug/L	0.035					
C	12	514413.771		ug/L						
Na	23	35559.636		ug/L						
Mg	24	6176.05		ug/L						
Mg	25	860.127		ug/L						
Al	27	14075.631		ug/L						
Si	28	63007.205		ug/L						
P	31	18861.453		ug/L						
S	32	75783797.41		ug/L						
Cl	35	7536642.624		ug/L						
K	39	726821.666		ug/L						
Ca	44	41702.928		ug/L						
Sc	45	177875.306		ug/L						
Ti	47	0.5	623.361	ug/L	0.03					
Ti	48	0.5	2201.875	ug/L	0.015					
V	51	0.5	40439.82	ug/L	0.097					
ClO	51	41727.301		ug/L						
Cr	52	0.5	11979.15	ug/L	0.052					
Cr	53	0.5	12103.51	ug/L	0.202					
Fe	54	104144.654		ug/L						
Mn	55	0.5	8515.405	ug/L	0.016					
Fe	56	2695394.594		ug/L						
Fe	57	8201.184		ug/L						
Co	59	0.5	5362.303	ug/L	0.041					
Ni	60	0.5	1223.428	ug/L	0.008					
Ni	62	0.5	228.338	ug/L	0.022					
Cu	63	0.5	3634.096	ug/L	0.026					
Zn	64	0.5	2668.229	ug/L	0.052					
Cu	65	0.5	1771.857	ug/L	0.032					
Zn	66	0.5	1570.818	ug/L	0.036					
Zn	68	0.5	1205.092	ug/L	0.039					
Ge	72	164549.18		ug/L						
As	75	0.5	978.356	ug/L	0.04					
Se	74	0.5	19548.81	mg/L	0.048					
ArCl	77	784.708		ug/L						

Br	79	2562.054	ug/L						
Br	81	23371.238	ug/L						
Y	89	457683.524	ug/L						
Mo	95	0.5	2392.339	ug/L	0.009				
Rh	103	440406.044	ug/L						
Ag	107	0.5	5874.625	ug/L	0.023				
Ag	109	0.5	5655.153	ug/L	0.036				
Cd	111	0.5	1622.161	ug/L	0.01				
Cd	114	0.5	3830.512	ug/L	0.018				
In	115	564607.83	ug/L						
Sb	121	0.5	6706.206	ug/L	0.005				
Sb	123	0.5	5040.6	ug/L	0.006				
Ba	137	0.5	2946.507	ug/L	0.002				
Ba	138	0.5	19333.9	ug/L	0.003				
Tb	159	753279.845	ug/L						
Ho	165	745239.582	ug/L						
Hg	200	0.029821	92.668	ug/L	0.004				
Hg	202	0.028347	120.335	ug/L	0.009				
Tl	205	0.5	17038.46	ug/L	0.003				
Pb	208	0.5	24050.31	ug/L	0.003				
Bi	209	523883.906	ug/L						
Se	77	0.5	750.698	mg/L	0.525				
Se	78	0.5	14466.98	mg/L	0.492				
Se	82	0.5	84.47	mg/L	0.087				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
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|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
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Sample ID: Standard 5
Sample Date/Time Wednesday August 24 2011 16:17:02
Autosampl Position: 10
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D 5.18161
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11772.952		ug/L						
Be	9	5.000147	1933.558	ug/L	0.05					
B	10	5.019789	554.689	ug/L	0.124					
B	11	5.008486	2685.09	ug/L	0.006					
C	12	571917.347		ug/L						
Na	23	70620.36		ug/L						
Mg	24	26056.58		ug/L						
Mg	25	3667.775		ug/L						
Al	27	48711.713		ug/L						
Si	28	67436.108		ug/L						
P	31	19566.322		ug/L						
S	32	79076492.6		ug/L						
Cl	35	7358871.814		ug/L						
K	39	767065.173		ug/L						
Ca	44	36486.716		ug/L						
Sc	45	179305.682		ug/L						
Ti	47	4.996365	4161.661	ug/L	0.039					
Ti	48	4.996082	39646.66	ug/L	0.065					
V	51	4.992577	88103.74	ug/L	0.039					
ClO	51	88584.722		ug/L						
Cr	52	5.004444	52332.04	ug/L	0.011					
Cr	53	4.962513	16505.8	ug/L	0.123					
Fe	54	112484.997		ug/L						
Mn	55	5.001157	72745.97	ug/L	0.034					
Fe	56	2814165.448		ug/L						
Fe	57	10487.098		ug/L						
Co	59	5.001418	54829.4	ug/L	0.015					
Ni	60	5.001042	11810.45	ug/L	0.055					
Ni	62	5.001216	1854.541	ug/L	0.052					
Cu	63	4.985588	27142.4	ug/L	0.022					
Zn	64	4.991713	13977.81	ug/L	0.104					
Cu	65	4.985232	13198.71	ug/L	0.023					
Zn	66	4.991479	8349.583	ug/L	0.003					
Zn	68	4.992907	6074.424	ug/L	0.183					
Ge	72	168928.699		ug/L						
As	75	4.998102	8572.844	ug/L	0.17					
Se	74	4.391087	18799.42	mg/L	7.182					
ArCl	77	1407.79		ug/L						

Br	79	2436.684	ug/L						
Br	81	25527.386	ug/L						
Y	89	469814.299	ug/L						
Mo	95	5.001631	22871.97	ug/L	0.076				
Rh	103	453063.533	ug/L						
Ag	107	5.006484	63160.13	ug/L	0.218				
Ag	109	5.006212	60434.6	ug/L	0.179				
Cd	111	5.000649	16477.09	ug/L	0.098				
Cd	114	5.000157	38572.05	ug/L	0.06				
In	115	573043.69	ug/L						
Sb	121	4.999098	55113.82	ug/L	0.124				
Sb	123	5.00005	42330.13	ug/L	0.104				
Ba	137	5.000272	29625.16	ug/L	0.029				
Ba	138	4.999679	192383.5	ug/L	0.062				
Tb	159	764380.482	ug/L						
Ho	165	759863.959	ug/L						
Hg	200	0.010034	42.334	ug/L	0.003				
Hg	202	0.010166	59.667	ug/L	0				
Tl	205	5.001053	173313.6	ug/L	0.017				
Pb	208	5.000149	239318.3	ug/L	0.021				
Bi	209	546506.859	ug/L						
Se	77	5.018059	1358.768	mg/L	0.248				
Se	78	5.124869	17075.1	mg/L	0.312				
Se	82	5.000022	949.129	mg/L	0.393				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
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|	Al								
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Sample ID: Standard 6
Sample Date/Time Wednesday August 24 2011 16:23:42
Autosampl Position: 11
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D 6.18162
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12130.755		ug/L						
Be	9	20.00526	7760.722	ug/L	0.045					
B	10	20.034207	1941.893	ug/L	0.249					
B	11	19.995931	9312.861	ug/L	0.204					
C	12	804008.768		ug/L						
Na	23	177758.758		ug/L						
Mg	24	99383.619		ug/L						
Mg	25	14045.579		ug/L						
Al	27	174302.371		ug/L						
Si	28	68416.636		ug/L						
P	31	18711.125		ug/L						
S	32	73956121.32		ug/L						
Cl	35	7515234.46		ug/L						
K	39	911677.67		ug/L						
Ca	44	46007.383		ug/L						
Sc	45	179613.125		ug/L						
Ti	47	20.02044	16352.86	ug/L	0.304					
Ti	48	19.984709	163776.6	ug/L	0.313					
V	51	19.981699	245963.7	ug/L	0.318					
ClO	51	250461.593		ug/L						
Cr	52	20.010335	186881.9	ug/L	0.039					
Cr	53	20.012944	32598	ug/L	0.684					
Fe	54	123597.272		ug/L						
Mn	55	20.002972	287176.9	ug/L	0.119					
Fe	56	3021700.739		ug/L						
Fe	57	15020.569		ug/L						
Co	59	19.978305	215386.5	ug/L	0.203					
Ni	60	20.056843	49408.07	ug/L	0.046					
Ni	62	20.047481	7563.888	ug/L	0.12					
Cu	63	19.982985	106990.5	ug/L	0.223					
Zn	64	19.921996	49308.39	ug/L	0.091					
Cu	65	19.957488	50962.97	ug/L	0.05					
Zn	66	19.892376	28874.4	ug/L	0.302					
Zn	68	19.892501	20764.56	ug/L	0.357					
Ge	72	171999.158		ug/L						
As	75	19.984587	34090.25	ug/L	0.789					
Se	74	-50.198525	16108.69	mg/L	438					
ArCl	77	3302.299		ug/L						

Br	79	2438.351	ug/L		
Br	81	24619.538	ug/L		
Y	89	470030.345	ug/L		
Mo	95	19.976766	90484.37	ug/L	0.892
Rh	103	452952.663	ug/L		
Ag	107	20.009789	254872.4	ug/L	0.003
Ag	109	20.023896	246783.6	ug/L	0.445
Cd	111	19.974737	64968.64	ug/L	0.264
Cd	114	19.976888	152405.9	ug/L	0.026
In	115	577623.824	ug/L		
Sb	121	19.941841	208096.9	ug/L	0.167
Sb	123	19.941246	159813.8	ug/L	0.019
Ba	137	19.986718	117956.5	ug/L	0.351
Ba	138	19.967629	754114.4	ug/L	0.556
Tb	159	758074.963	ug/L		
Ho	165	756396.929	ug/L		
Hg	200	0.007791	36.334	ug/L	0.001
Hg	202	0.004935	41.334	ug/L	0.001
Tl	205	19.983835	679367.5	ug/L	0.044
Pb	208	19.988299	941305.5	ug/L	0.239
Bi	209	544142.752	ug/L		
Se	77	19.967495	3228.573	mg/L	0.164
Se	78	19.883641	22883.57	mg/L	0.464
Se	82	19.953446	3685.88	mg/L	0.147

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
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Sample ID: Standard 7
Sample Date/Time Wednesday August 24 2011 16:30:24
Autosampl Position: 12
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D 7.18163
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12634.108		ug/L						
Be	9	-0.000377	7	ug/L	0.008					
B	10	-0.065099	104.335	ug/L	0.054					
B	11	-0.011094	468.683	ug/L	0.007					
C	12	569567.842		ug/L						
Na	23	100	749430.2	ug/L	1.945					
Mg	24	100	497136.3	ug/L	1.422					
Mg	25	100	68087.76	ug/L	3.612					
Al	27	100	736655.2	ug/L	0.712					
Si	28	65461.591		ug/L						
P	31	100	53606.28	ug/L	0.477					
S	32	74534645.57		ug/L						
Cl	35	7491657.797		ug/L						
K	39	100	1675403	ug/L	0.37					
Ca	44	100	65971.75	ug/L	2.152					
Sc	45	182319.514		ug/L						
Ti	47	0.244565	407.68	ug/L	0.001					
Ti	48	0.100656	-1500.59	ug/L	0.003					
V	51	-0.05532	34628.18	ug/L	0.008					
ClO	51	35422.235		ug/L						
Cr	52	-0.044631	7783.132	ug/L	0.009					
Cr	53	-0.068424	11404.26	ug/L	0.008					
Fe	54	100	177571	ug/L	3.528					
Mn	55	-0.016556	1432.127	ug/L	0.001					
Fe	56	100	3879120	ug/L	12.995					
Fe	57	100	36925.2	ug/L	3.049					
Co	59	0.003757	140.336	ug/L	0.001					
Ni	60	0.001231	90.335	ug/L	0					
Ni	62	-0.028822	44.667	ug/L	0.029					
Cu	63	0.003227	204.671	ug/L	0.002					
Zn	64	1.070728	3845.33	ug/L	0.019					
Cu	65	0.001441	89.668	ug/L	0.002					
Zn	66	1.0607	2223.294	ug/L	0.035					
Zn	68	1.057499	1687.173	ug/L	0.011					
Ge	72	171438.898		ug/L						
As	75	0.036407	190.199	ug/L	0.048					
Se	74	400.485392	20622.15	mg/L	316.953					
ArCl	77	757.372		ug/L						

Br	79	2466.026	ug/L		
Br	81	24633.91	ug/L		
Y	89	473217.32	ug/L		
Mo	95	0.076264	617.694	ug/L	0.009
Rh	103	456054.304	ug/L		
Ag	107	0.057152	1241.431	ug/L	0.01
Ag	109	0.055891	1181.422	ug/L	0.006
Cd	111	0.000408	24	ug/L	0.002
Cd	114	-0.000215	46.334	ug/L	0
In	115	574496.615	ug/L		
Sb	121	0.311755	4550.188	ug/L	0.032
Sb	123	0.318184	3510.116	ug/L	0.028
Ba	137	0.003737	71.334	ug/L	0.002
Ba	138	0.001996	363.776	ug/L	0
Tb	159	766339.148	ug/L		
Ho	165	757803.952	ug/L		
Hg	200	0.003837	26	ug/L	0.001
Hg	202	0.001628	30	ug/L	0.002
Tl	205	-0.000225	445.015	ug/L	0
Pb	208	0.005639	1000.031	ug/L	0
Bi	209	548589.812	ug/L		
Se	77	-0.158533	689.36	mg/L	0.404
Se	78	-0.00388	14797.86	mg/L	0.802
Se	82	0.186752	23.05	mg/L	0.043

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
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|	Na								
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|	Al								
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Sample ID: Standard 8
Sample Date/Time Wednesday August 24 2011 16:37:05
Autosampl Position: 13
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: 8.18164
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12308.327		ug/L						
Be	9	0.012119	11.667	ug/L	0.005					
B	10	-0.119105	97.668	ug/L	0.066					
B	11	-0.058492	439.348	ug/L	0.053					
C	12	542281.982		ug/L						
Na	23	1000.52544	7065935	ug/L	27.627					
Mg	24	999.903606	4827180	ug/L	49.025					
Mg	25	1000.100131	674798	ug/L	18.345					
Al	27	999.885899	7103170	ug/L	19.044					
Si	28	62322.466		ug/L						
P	31	1000.499415	383142.9	ug/L	51.408					
S	32	74531767.33		ug/L						
Cl	35	7472510.409		ug/L						
K	39	1000.547605	10409992	ug/L	38.084					
Ca	44	1000.302847	356060.6	ug/L	27.542					
Sc	45	179174.557		ug/L						
Ti	47	2.455356	2177.616	ug/L	0.145					
Ti	48	0.888019	5052.345	ug/L	0.01					
V	51	0.000887	34609.77	ug/L	0.086					
ClO	51	35144.823		ug/L						
Cr	52	-0.032308	7755.468	ug/L	0.028					
Cr	53	0.013402	11291.46	ug/L	0.183					
Fe	54	1000.744048	830419.6	ug/L	19.47					
Mn	55	-0.00901	1515.808	ug/L	0.004					
Fe	56	1001.44411	14890330	ug/L	24.043					
Fe	57	1000.535877	305802.9	ug/L	7.513					
Co	59	0.005625	157.67	ug/L	0.002					
Ni	60	0.028027	154.67	ug/L	0.004					
Ni	62	-0.01346	49.667	ug/L	0.005					
Cu	63	0.093869	684.033	ug/L	0.004					
Zn	64	1.454085	4701.804	ug/L	0.025					
Cu	65	0.086088	303.675	ug/L	0.008					
Zn	66	1.54657	2870.815	ug/L	0.06					
Zn	68	1.504522	2109.933	ug/L	0.026					
Ge	72	171865.406		ug/L						
As	75	-0.013314	106.72	ug/L	0.004					
Se	74	187.889116	18562.31	mg/L	189.871					
ArCl	77	753.039		ug/L						

Br	79	2530.044	ug/L						
Br	81	25564.819	ug/L						
Y	89	473594.257	ug/L						
Mo	95	0.01569	345.343	ug/L	0.007				
Rh	103	450465.396	ug/L						
Ag	107	0.015889	721.369	ug/L	0.002				
Ag	109	0.017966	719.369	ug/L	0.001				
Cd	111	0.004604	37.667	ug/L	0.001				
Cd	114	0.00427	80.668	ug/L	0.001				
In	115	576507.574	ug/L						
Sb	121	0.092281	2292.979	ug/L	0.001				
Sb	123	0.101078	1795.051	ug/L	0.007				
Ba	137	0.010335	110.335	ug/L	0.002				
Ba	138	0.011417	720.069	ug/L	0				
Tb	159	763355.002	ug/L						
Ho	165	749239.387	ug/L						
Hg	200	0.003955	26	ug/L	0				
Hg	202	0.003278	35.334	ug/L	0.001				
Tl	205	-0.00315	341.343	ug/L	0.001				
Pb	208	0.038288	2510.497	ug/L	0.001				
Bi	209	535317.644	ug/L						
Se	77	0.052845	716.028	mg/L	0.135				
Se	78	0.646124	15062.13	mg/L	0.081				
Se	82	0.190183	23.685	mg/L	0.2				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
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|	Mg								
|	Al								
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Sample ID: Standard 9
Sample Date/Time Wednesday August 24 2011 16:43:45
Autosampl Position: 14
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: 9.18165
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas. Intens.	Mean	Report Unit	Conc.	SD
Li	6	11890.439		ug/L				
Be	9	-0.00263	6	ug/L	0			
B	10	-0.115679	98.002	ug/L	0.078			
B	11	0.037041	482.684	ug/L	0.005			
C	12	549673.952		ug/L				
Na	23	5002.452661	35526903	ug/L	156.731			
Mg	24	4996.999892	23818822	ug/L	153.249			
Mg	25	4997.827453	3341578	ug/L	171.155			
Al	27	5001.425663	35819216	ug/L	181.478			
Si	28	66992.61		ug/L				
P	31	4998.365526	1831922	ug/L	64.35			
S	32	71978777.27		ug/L				
Cl	35	7382494.616		ug/L				
K	39	4995.617251	48139965	ug/L	63.267			
Ca	44	4994.591676	1605568	ug/L	171.684			
Sc	45	179474.485		ug/L				
Ti	47	12.126034	9976.572	ug/L	0.006			
Ti	48	4.534193	35290.34	ug/L	0.876			
V	51	-0.077374	33845.9	ug/L	0.107			
ClO	51	34561.937		ug/L				
Cr	52	-0.013437	7940.766	ug/L	0.002			
Cr	53	-0.287536	10990.75	ug/L	0.32			
Fe	54	4984.958639	3464945	ug/L	49.401			
Mn	55	0.047123	2318.319	ug/L	0.002			
Fe	56	4995.899097	62116556	ug/L	111.376			
Fe	57	4992.193126	1440457	ug/L	96.805			
Co	59	0.017086	281.674	ug/L	0.001			
Ni	60	0.151435	458.016	ug/L	0			
Ni	62	0.01938	62.001	ug/L	0.025			
Cu	63	0.125245	852.715	ug/L	0.008			
Zn	64	50.372798	122727.1	ug/L	1.062			
Cu	65	0.091709	318.009	ug/L	0.009			
Zn	66	51.932177	74216.45	ug/L	0.671			
Zn	68	51.156262	52440.37	ug/L	0.338			
Ge	72	169033.418		ug/L				
As	75	-0.001622	122.199	ug/L	0.119			
Se	74	168.269748	17982.48	mg/L	628.683			
ArCl	77	751.372		ug/L				

Br	79	2761.114	ug/L		
Br	81	24237.19	ug/L		
Y	89	461104.792	ug/L		
Mo	95	0.002296	280.007	ug/L	0.006
Rh	103	429290.283	ug/L		
Ag	107	0.030308	896.386	ug/L	0.002
Ag	109	0.027288	826.379	ug/L	0.004
Cd	111	0.004499	37	ug/L	0
Cd	114	0.005381	88.335	ug/L	0
In	115	571476.696	ug/L		
Sb	121	0.334007	4751.956	ug/L	0.01
Sb	123	0.336543	3634.661	ug/L	0.007
Ba	137	0.042183	295.341	ug/L	0.001
Ba	138	0.038089	1710.402	ug/L	0.001
Tb	159	755505.125	ug/L		
Ho	165	738520.717	ug/L		
Hg	200	0.00424	26.334	ug/L	0.002
Hg	202	0.003535	35.667	ug/L	0
Tl	205	-0.002385	362.011	ug/L	0
Pb	208	0.037873	2455.488	ug/L	0.001
Bi	209	522377.146	ug/L		
Se	77	-0.285361	673.358	mg/L	0.135
Se	78	-0.937944	14418.1	mg/L	0.66
Se	82	-0.002813	-12.077	mg/L	0.15

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
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Sample ID: QC Std 1
Sample Date/Time Wednesday August 24 2011 16:50:25
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 1.18166
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12188.166		ug/L						
Be	9	0.003327	8.333	ug/L	0.001					
B	10	-0.225084	88.335	ug/L	0.076					
B	11	-0.085144	430.014	ug/L	0.026					
C	12	475045.701		ug/L						
Na	23	-7.015948	24682.6	ug/L	0.091					
Mg	24	0.071395	1263.548	ug/L	0.033					
Mg	25	0.128321	180.02	ug/L	0.07					
Al	27	0.150325	6970.044	ug/L	0.083					
Si	28	62926.663		ug/L						
P	31	1.745831	18701.09	ug/L	0.733					
S	32	76359443.42		ug/L						
Cl	35	7889092.979		ug/L						
K	39	-3.560272	701317.8	ug/L	0.322					
Ca	44	-4.549728	32287.12	ug/L	0.073					
Sc	45	180041.34		ug/L						
Ti	47	0.009256	212.338	ug/L	0.03					
Ti	48	0.005318	-2276.35	ug/L	0.006					
V	51	0.008154	34868.09	ug/L	0.037					
ClO	51	35718.068		ug/L						
Cr	52	-0.03523	7770.591	ug/L	0.01					
Cr	53	0.041982	11379.57	ug/L	0.11					
Fe	54	-0.205473	108031.1	ug/L	5.908					
Mn	55	-0.031111	1206.092	ug/L	0.005					
Fe	56	-11.020672	2659823	ug/L	2.974					
Fe	57	1.965267	8738.407	ug/L	0.967					
Co	59	-0.001289	84.001	ug/L	0.002					
Ni	60	-0.006967	69.001	ug/L	0.001					
Ni	62	-0.023955	46.001	ug/L	0.015					
Cu	63	-0.008229	140.669	ug/L	0.001					
Zn	64	0.058758	1348.011	ug/L	0.017					
Cu	65	-0.002151	79.334	ug/L	0.001					
Zn	66	0.07857	800.71	ug/L	0.018					
Zn	68	0.06904	661.031	ug/L	0.007					
Ge	72	172330.31		ug/L						
As	75	-0.0293	79.293	ug/L	0.032					
Se	74	297.716705	19689.01	mg/L	265.806					
ArCl	77	773.041		ug/L						

Br	79	2234.631	ug/L						
Br	81	24407.632	ug/L						
Y	89	471073.923	ug/L						
Mo	95	-0.018235	192.671	ug/L	0.003				
Rh	103	448022.377	ug/L						
Ag	107	-0.000773	505.686	ug/L	0.012				
Ag	109	0.001674	515.353	ug/L	0.01				
Cd	111	-0.001642	17.334	ug/L	0				
Cd	114	-0.000414	44.667	ug/L	0.001				
In	115	574019.852	ug/L						
Sb	121	-0.01059	1222.094	ug/L	0.008				
Sb	123	-0.00663	934.458	ug/L	0.004				
Ba	137	0.00225	62.334	ug/L	0.002				
Ba	138	0.001912	359.888	ug/L	0.001				
Tb	159	765118.179	ug/L						
Ho	165	747182.87	ug/L						
Hg	200	0.002562	22.334	ug/L	0				
Hg	202	-0.000211	23.334	ug/L	0				
Tl	205	-0.004012	311.675	ug/L	0				
Pb	208	0.009755	1177.374	ug/L	0				
Bi	209	543217.702	ug/L						
Se	77	0.232517	738.697	mg/L	0.239				
Se	78	-0.249445	14698.02	mg/L	0.428				
Se	82	-0.043062	-19.535	mg/L	0.028				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.591							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	
|	Mn	
|	Fe	
|	Fe	
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	101.358
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	101.288
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	100.217
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Wednesday August 24 2011 16:57:34
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 2.18167
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12281.625		ug/L						
Be	9	101.846283	39559.28	ug/L	1.316					
B	10	101.541253	9419.638	ug/L	1.117					
B	11	96.919887	43436.63	ug/L	0.317					
C	12	499361.016		ug/L						
Na	23	93.816337	741398.8	ug/L	1.836					
Mg	24	106.257999	508912.9	ug/L	1.439					
Mg	25	102.300982	68692.07	ug/L	2.533					
Al	27	100.608439	728384	ug/L	3.464					
Si	28	241451.577		ug/L						
P	31	-2.016194	17311.61	ug/L	5.447					
S	32	71394496.57		ug/L						
Cl	35	7936707.689		ug/L						
K	39	1004.912102	10294815	ug/L	41.686					
Ca	44	100.350058	65370.71	ug/L	3.612					
Sc	45	179989.866		ug/L						
Ti	47	98.549105	79839.53	ug/L	2.306					
Ti	48	101.069956	839316.5	ug/L	3.068					
V	51	98.283579	1075960	ug/L	2.976					
ClO	51	1095205.013		ug/L						
Cr	52	98.620186	891126.2	ug/L	1.466					
Cr	53	100.118703	118075.4	ug/L	1.352					
Fe	54	104.074437	178404.7	ug/L	6.391					
Mn	55	97.922407	1402130	ug/L	2.621					
Fe	56	87.93247	3837602	ug/L	3.149					
Fe	57	95.194128	35552.96	ug/L	5.363					
Co	59	99.241043	1071711	ug/L	1.614					
Ni	60	94.664653	233334.9	ug/L	1.829					
Ni	62	93.841656	35272.65	ug/L	2.42					
Cu	63	98.322563	526670.6	ug/L	2.448					
Zn	64	95.117977	231344.3	ug/L	1.629					
Cu	65	101.363297	258994.1	ug/L	1.949					
Zn	66	95.652123	136500.9	ug/L	2.007					
Zn	68	96.837002	99002.5	ug/L	2.337					
Ge	72	174239.343		ug/L						
As	75	104.240988	179672.6	ug/L	0.861					
Se	74	397.964145	20934.84	mg/L	367.79					
ArCl	77	13715.476		ug/L						

Br	79	1983.237	ug/L		
Br	81	23120.265	ug/L		
Y	89	476772.192	ug/L		
Mo	95	95.793693	438714.7	ug/L	2.145
Rh	103	449055.905	ug/L		
Ag	107	58.006366	745736	ug/L	2.215
Ag	109	57.445511	714762.1	ug/L	0.728
Cd	111	99.784054	327988.7	ug/L	0.636
Cd	114	99.39524	766231.1	ug/L	1.156
In	115	583835.029	ug/L		
Sb	121	93.951252	985741.5	ug/L	4.759
Sb	123	93.604293	754418.9	ug/L	5.876
Ba	137	99.744977	594874	ug/L	0.727
Ba	138	96.209158	3672270	ug/L	0.218
Tb	159	775624.684	ug/L		
Ho	165	765895.061	ug/L		
Hg	200	0.992936	2650.413	ug/L	0.013
Hg	202	0.978437	3439.685	ug/L	0.009
Tl	205	99.690678	3429828	ug/L	0.792
Pb	208	98.942993	4715485	ug/L	0.323
Bi	209	556234.804	ug/L		
Se	77	102.454155	13635.56	mg/L	3.607
Se	78	104.333833	57218.64	mg/L	1.785
Se	82	100.424942	18597.5	mg/L	1.626

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	100.838							
|	B	101.238							
|	B	96.63							
|	C								
|	Na	92.612							
|	Mg	105.206							
|	Mg	101.288							
|	Al	100.208							
|	Si								
|	P								
|	S								
|	Cl								
|	K	100.191							
|	Ca	99.455							
|>	Sc	100.562							
|	Ti	98.549							
|	Ti	101.07							
|	V	97.892							
|	ClO								
|	Cr	97.644							

|	Cr	99.127
|	Fe	103.454
|	Mn	97.532
|	Fe	87.408
|	Fe	94.626
|	Co	98.649
|	Ni	93.913
|	Ni	93.097
|	Cu	98.421
|	Zn	94.457
|	Cu	101.465
|	Zn	94.987
|-	Zn	96.164
|>	Ge	102.481
|	As	104.87
|	Se	397.17
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	95.507
|-	Rh	
|	Ag	57.546
|	Ag	56.99
|	Cd	99.288
|	Cd	98.901
|>	In	103.02
|	Sb	93.67
|	Sb	93.324
|	Ba	99.052
|-	Ba	95.54
|-	Tb	
|>	Ho	102.727
|	Hg	99.294
|	Hg	97.844
|	Tl	99.691
|	Pb	98.943
|-	Bi	
	Se	102.25
	Se	104.126
	Se	100.224

Sample	ID:	QC	Std	3						
Sample	Date/Time	Wednesday	August	24	2011	17:04:43				
Autosampl	Position:	15								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	3.18168						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12033.293	ug/L							
Be	9	1.207082	465.683	ug/L	0.025					
B	10	176.286341	15924.44	ug/L	6.674					
B	11	176.191697	76894.99	ug/L	4.134					
C	12	475164.831	ug/L							
Na	23	-2.391854	56316.18	ug/L	0.03					
Mg	24	0.25482	2093.786	ug/L	0.059					
Mg	25	0.230832	243.361	ug/L	0.005					
Al	27	349.120961	2459726	ug/L	4.57					
Si	28	152052.804	ug/L							
P	31	2.498768	18564.13	ug/L	0.772					
S	32	70292134.46	ug/L							
Cl	35	7799261.739	ug/L							
K	39	-1.005605	709895.9	ug/L	0.545					
Ca	44	-2.113044	32340.68	ug/L	2.87					
Sc	45	176132.563	ug/L							
Ti	47	0.033179	226.672	ug/L	0.002					
Ti	48	0.051962	-1846.78	ug/L	0.003					
V	51	88.025423	946744.3	ug/L	0.972					
ClO	51	962066.455	ug/L							
Cr	52	2.746888	31980.95	ug/L	0.037					
Cr	53	2.530083	13727.83	ug/L	0.301					
Fe	54	84.530652	161704	ug/L	5.199					
Mn	55	22.840628	321344	ug/L	0.021					
Fe	56	81.013403	3674749	ug/L	8.298					
Fe	57	83.923626	31628.08	ug/L	0.822					
Co	59	0.04314	551.689	ug/L	0					
Ni	60	28.644996	69162.12	ug/L	0.086					
Ni	62	28.185454	10406.72	ug/L	0.097					
Cu	63	229.263708	1201723	ug/L	0.785					
Zn	64	98.885932	235333.8	ug/L	0.753					
Cu	65	233.124748	582864.5	ug/L	1.006					
Zn	66	101.45199	141651.5	ug/L	1.496					
Zn	68	107.407231	107407.9	ug/L	1.855					
Ge	72	167995.469	ug/L							
As	75	9.042018	15142.16	ug/L	0.057					
Se	74	144.408782	17703.32	mg/L	104.09					
ArCl	77	1842.872	ug/L							

Br	79	1960.565	ug/L						
Br	81	22814.489	ug/L						
Y	89	455849.417	ug/L						
Mo	95	5.076111	22672.81	ug/L	0.054				
Rh	103	434638.159	ug/L						
Ag	107	11.804758	145030.2	ug/L	0.217				
Ag	109	11.76497	139885.7	ug/L	0.312				
Cd	111	9.946912	31172.33	ug/L	0.042				
Cd	114	9.865102	72499.35	ug/L	0.222				
In	115	556304.446	ug/L						
Sb	121	9.351988	94652.29	ug/L	0.323				
Sb	123	9.426156	73250.23	ug/L	0.254				
Ba	137	295.547249	1679473	ug/L	1.092				
Ba	138	287.288019	10447824	ug/L	1.596				
Tb	159	742861.565	ug/L						
Ho	165	732319.135	ug/L						
Hg	200	1.027297	2621.071	ug/L	0.014				
Hg	202	1.043573	3505.711	ug/L	0.017				
Tl	205	1.615527	53556.5	ug/L	0.049				
Pb	208	10.89016	496760	ug/L	0.245				
Bi	209	540496.226	ug/L						
Se	77	8.73048	1810.848	mg/L	1.315				
Se	78	8.718066	18343.96	mg/L	0.755				
Se	82	9.207003	1694.531	mg/L	0.195				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	109.337							
|	B	103.942							
|	B	103.887							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	102.082							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.407							
|	Ti								
|	Ti								
|	V	100.947							
|	ClO								
|	Cr	100.251							

|	Cr	92.339
|	Fe	104.102
|	Mn	102.886
|	Fe	99.77
|	Fe	103.354
|	Co	
|	Ni	97.432
|	Ni	95.869
|	Cu	100.554
|	Zn	94.718
|	Cu	102.248
|	Zn	97.176
|-	Zn	102.88
|>	Ge	98.809
|	As	107.133
|	Se	1590.405
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	108.002
|-	Rh	
|	Ag	108.102
|	Ag	107.738
|	Cd	101.292
|	Cd	100.459
|>	In	98.162
|	Sb	138.343
|	Sb	139.44
|	Ba	102.621
|-	Ba	99.753
|-	Tb	
|>	Ho	98.224
|	Hg	102.73
|	Hg	104.357
|	Tl	106.989
|	Pb	103.914
|-	Bi	
	Se	96.151
	Se	96.014
	Se	101.399

Sample	ID:	QC	Std	5						
Sample	Date/Time	Wednesday	August	24	2011	17:11:51				
Autosampl	Position:	7								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	5.18169						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12066.67		ug/L						
Be	9	45.695986	17255.87	ug/L	1.044					
B	10	171.596746	15396.85	ug/L	6.37					
B	11	168.771573	73177.4	ug/L	3.848					
C	12	494366.884		ug/L						
Na	23	-4.07036	44345.68	ug/L	0.003					
Mg	24	0.139759	1546.953	ug/L	0.021					
Mg	25	0.201983	223.358	ug/L	0.058					
Al	27	182.650077	1280663	ug/L	6.559					
Si	28	120329.797		ug/L						
P	31	-0.990743	17214.7	ug/L	2.035					
S	32	70772798.88		ug/L						
Cl	35	7336725.438		ug/L						
K	39	-2.047178	695379.6	ug/L	1.983					
Ca	44	-0.43448	32625.04	ug/L	4.683					
Sc	45	174974.908		ug/L						
Ti	47	0.026153	219.672	ug/L	0.002					
Ti	48	0.020151	-2090.96	ug/L	0.013					
V	51	25.7801	299299.4	ug/L	0.544					
ClO	51	304321.8		ug/L						
Cr	52	50.672808	448866	ug/L	1.281					
Cr	53	50.640524	63494.6	ug/L	1.2					
Fe	54	200.958353	237087.8	ug/L	0.935					
Mn	55	108.965736	1516706	ug/L	1.331					
Fe	56	178.109814	4774348	ug/L	7.237					
Fe	57	186.92391	60201.43	ug/L	11.125					
Co	59	24.873669	261216.8	ug/L	0.128					
Ni	60	200.674853	480710.2	ug/L	4.517					
Ni	62	198.332339	72412.31	ug/L	3.286					
Cu	63	80.301173	418198	ug/L	1.167					
Zn	64	101.990398	241043.6	ug/L	1.946					
Cu	65	81.857581	203310.3	ug/L	2.275					
Zn	66	103.215345	143140.9	ug/L	1.233					
Zn	68	105.990354	105277.1	ug/L	2.667					
Ge	72	167077.455		ug/L						
As	75	45.902129	75936.84	ug/L	0.294					
Se	74	225.43368	18403.66	mg/L	31.357					
ArCl	77	21966.059		ug/L						

Br	79	1949.229	ug/L			
Br	81	23097.539	ug/L			
Y	89	450397.259	ug/L			
Mo	95	43.884305	192863.6	ug/L	0.878	
Rh	103	431368.531	ug/L			
Ag	107	51.94712	647707.5	ug/L	0.273	
Ag	109	51.964171	626971.9	ug/L	1.018	
Cd	111	23.740537	75680.13	ug/L	0.41	
Cd	114	23.812088	178035.5	ug/L	0.292	
In	115	566165.694	ug/L			
Sb	121	50.820179	517714.1	ug/L	0.209	
Sb	123	50.949521	398688	ug/L	0.3	
Ba	137	145.525858	841536.2	ug/L	2.42	
Ba	138	140.819769	5211666	ug/L	2.337	
Tb	159	741444.206	ug/L			
Ho	165	739373.016	ug/L			
Hg	200	1.039944	2678.755	ug/L	0.015	
Hg	202	1.047015	3551.062	ug/L	0.02	
Tl	205	14.884348	494703.2	ug/L	0.063	
Pb	208	106.206161	4885223	ug/L	2.347	
Bi	209	537711.5	ug/L			
Se	77	163.051656	21280.88	mg/L	2.247	
Se	78	168.207639	83187.93	mg/L	3.149	
Se	82	162.628548	30124.03	mg/L	0.89	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	107.268							
|	B	107.248							
|	B	105.482							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	103.778							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.76							
|	Ti								
|	Ti								
|	V	103.535							
|	ClO								
|	Cr	102.994							

	Cr	102.928
	Fe	112.267
	Mn	102.798
	Fe	99.503
	Fe	104.427
	Co	106.754
	Ni	98.37
	Ni	97.222
	Cu	102.687
	Zn	97.134
	Cu	104.677
	Zn	98.3
-	Zn	100.943
>	Ge	98.269
	As	116.503
	Se	140.896
	ArCl	
	Br	
	Br	
	Y	
-	Mo	104.736
-	Rh	
	Ag	103.275
	Ag	103.308
	Cd	102.33
	Cd	102.638
>	In	99.902
	Sb	109.291
	Sb	109.569
	Ba	103.21
-	Ba	99.872
-	Tb	
>	Ho	99.17
	Hg	103.994
	Hg	104.701
	Tl	104.819
	Pb	102.121
-	Bi	
	Se	101.907
	Se	105.13
	Se	101.643

Sample	ID:	QC	Std	6						
Sample	Date/Time	Wednesday	August	24	2011	17:19:00				
Autosampl	Position:	8								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	6.1817						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11392.468		ug/L						
Be	9	0.00379	8.667	ug/L	0.002					
B	10	0.457808	153.67	ug/L	0.018					
B	11	0.49536	699.701	ug/L	0.148					
C	12	467098.423		ug/L						
Na	23	9953.47195	72122992	ug/L	71.965					
Mg	24	9839.923495	47903826	ug/L	94.34					
Mg	25	9835.921112	6716892	ug/L	143.53					
Al	27	9918.232475	72546170	ug/L	72.559					
Si	28	66539.32		ug/L						
P	31	9532.938514	3551340	ug/L	216.976					
S	32	70887928.08		ug/L						
Cl	35	1823956.226		ug/L						
K	39	9963.633141	97286223	ug/L	181.909					
Ca	44	9649.691407	3134788	ug/L	356.185					
Sc	45	183263.438		ug/L						
Ti	47	23.771685	19770.67	ug/L	0.111					
Ti	48	9.712554	80004.1	ug/L	0.422					
V	51	-1.388708	20420.79	ug/L	0.051					
ClO	51	20870.137		ug/L						
Cr	52	-0.016355	8081.736	ug/L	0.007					
Cr	53	-4.591923	6552.093	ug/L	0.132					
Fe	54	9807.539409	6855191	ug/L	517.173					
Mn	55	0.07068	2710.434	ug/L	0.02					
Fe	56	9773.518572	1.21E+08	ug/L	11.124					
Fe	57	10062.13837	2956609	ug/L	54.199					
Co	59	0.027982	407.347	ug/L	0					
Ni	60	0.281365	793.709	ug/L	0.006					
Ni	62	0.030607	67.668	ug/L	0.016					
Cu	63	0.232421	1455.464	ug/L	0.003					
Zn	64	0.673096	2885.801	ug/L	0.004					
Cu	65	0.144424	462.016	ug/L	0.002					
Zn	66	0.621118	1599.49	ug/L	0.002					
Zn	68	0.556861	1177.755	ug/L	0.045					
Ge	72	169421.974		ug/L						
As	75	0.172387	415.665	ug/L	0.027					
Se	74	303.335301	19434.77	mg/L	16.185					
ArCl	77	394.346		ug/L						

Br	79	1254.766	ug/L			
Br	81	22791.446	ug/L			
Y	89	468054.417	ug/L			
Mo	95	0.164613	1001.399	ug/L	0.035	
Rh	103	431028.741	ug/L			
Ag	107	0.142572	2262.639	ug/L	0.023	
Ag	109	0.140604	2160.281	ug/L	0.031	
Cd	111	0.007992	47.334	ug/L	0.001	
Cd	114	0.010493	124.669	ug/L	0	
In	115	561356.446	ug/L			
Sb	121	0.560794	6940.725	ug/L	0.072	
Sb	123	0.564293	5322.614	ug/L	0.081	
Ba	137	0.050953	339.676	ug/L	0.007	
Ba	138	0.050054	2117.34	ug/L	0.003	
Tb	159	753111.681	ug/L			
Ho	165	735699.295	ug/L			
Hg	200	0.017477	60.001	ug/L	0	
Hg	202	0.010137	57.667	ug/L	0	
Tl	205	0.00025	447.682	ug/L	0.001	
Pb	208	0.043038	2682.848	ug/L	0.003	
Bi	209	517796.896	ug/L			
Se	77	-2.494227	394.675	mg/L	0.239	
Se	78	0.290567	14917.57	mg/L	0.821	
Se	82	0.477563	76.938	mg/L	0.109	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	99.535							
|	Mg	98.399							
|	Mg	98.359							
|	Al	99.182							
|	Si								
|	P	95.329							
|	S								
|	Cl								
|	K	99.636							
|	Ca	96.497							
|>	Sc	102.391							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	98.075
|	Mn	
|	Fe	97.735
|	Fe	100.621
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	99.648
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	99.054
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	98.677
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 17:32:22
Autosampl Position: 17
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18171
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12532.633		ug/L						
Be	9	0.169489	73.001	ug/L	0.009					
B	10	1.318016	230.339	ug/L	0.035					
B	11	1.278952	1036.736	ug/L	0.083					
C	12	514219.338		ug/L						
Na	23	-4.506714	42610.55	ug/L	0.102					
Mg	24	1.404219	7653.986	ug/L	0.014					
Mg	25	1.31097	976.817	ug/L	0.134					
Al	27	3.335212	29898.75	ug/L	0.217					
Si	28	85690.554		ug/L						
P	31	0.587971	18316.93	ug/L	0.65					
S	32	73697080.62		ug/L						
Cl	35	9918716.112		ug/L						
K	39	0.174712	738196.3	ug/L	2.31					
Ca	44	-0.65601	33578.59	ug/L	2.661					
Sc	45	180440.491		ug/L						
Ti	47	0.226715	389.346	ug/L	0.028					
Ti	48	0.254667	-198.356	ug/L	0.008					
V	51	0.266047	37678.64	ug/L	0.04					
ClO	51	38968.444		ug/L						
Cr	52	0.142173	9376.204	ug/L	0.033					
Cr	53	0.616287	12018.73	ug/L	0.008					
Fe	54	10.876304	115700.8	ug/L	8.059					
Mn	55	0.168644	4070.952	ug/L	0.012					
Fe	56	-3.157495	2757099	ug/L	15.203					
Fe	57	7.73956	10420.34	ug/L	0.756					
Co	59	0.160701	1837.204	ug/L	0.005					
Ni	60	0.376194	1015.734	ug/L	0					
Ni	62	0.324088	177.003	ug/L	0.012					
Cu	63	0.321486	1911.22	ug/L	0					
Zn	64	1.862501	5733.029	ug/L	0.185					
Cu	65	0.324347	915.389	ug/L	0.008					
Zn	66	1.88303	3375.331	ug/L	0.198					
Zn	68	1.840633	2470.028	ug/L	0.16					
Ge	72	168294.167		ug/L						
As	75	0.190814	443.852	ug/L	0.057					
Se	74	801.088316	24198.22	mg/L	528.307					
ArCl	77	902.054		ug/L						

Br	79	1289.104	ug/L						
Br	81	22392.441	ug/L						
Y	89	468128.082	ug/L						
Mo	95	0.186142	1091.743	ug/L	0.012				
Rh	103	461805.851	ug/L						
Ag	107	0.204505	3073.884	ug/L	0.008				
Ag	109	0.194085	2845.81	ug/L	0.021				
Cd	111	0.163811	546.689	ug/L	0.01				
Cd	114	0.167619	1306.107	ug/L	0.004				
In	115	568832.697	ug/L						
Sb	121	0.316755	4554.854	ug/L	0.006				
Sb	123	0.329513	3561.886	ug/L	0.014				
Ba	137	0.204435	1236.43	ug/L	0.005				
Ba	138	0.194513	7517.792	ug/L	0.004				
Tb	159	772110.986	ug/L						
Ho	165	757934.193	ug/L						
Hg	200	0.012733	49.334	ug/L	0.003				
Hg	202	0.01185	65.334	ug/L	0				
Tl	205	0.159476	5881.628	ug/L	0				
Pb	208	0.179807	9212.94	ug/L	0.002				
Bi	209	529027.125	ug/L						
Se	77	0.972349	832.038	mg/L	0.329				
Se	78	-0.128791	14747.07	mg/L	0.763				
Se	82	0.483579	78.053	mg/L	0.252				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.814							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.985
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.373
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.659
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 17:39:06
Autosampl Position: 18
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18172
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12492.578		ug/L						
Be	9	0.003657	8.333	ug/L	0.006					
B	10	0.176619	123.002	ug/L	0.013					
B	11	0.288833	585.358	ug/L	0.027					
C	12	500433.646		ug/L						
Na	23	-5.957182	31648.16	ug/L	0.031					
Mg	24	0.970681	5465.523	ug/L	0.049					
Mg	25	1.039313	776.778	ug/L	0.099					
Al	27	0.627397	10216.76	ug/L	0.003					
Si	28	70580.082		ug/L						
P	31	-0.084856	17705.71	ug/L	4.701					
S	32	72994792.48		ug/L						
Cl	35	8337741.657		ug/L						
K	39	-1.732046	706019.8	ug/L	2.014					
Ca	44	-4.276987	31812.1	ug/L	1.454					
Sc	45	176899.464		ug/L						
Ti	47	0.033237	227.672	ug/L	0.004					
Ti	48	0.045622	-1907.4	ug/L	0.011					
V	51	0.06614	34861.74	ug/L	0.016					
ClO	51	35711.032		ug/L						
Cr	52	-0.023182	7740.31	ug/L	0.009					
Cr	53	0.352998	11509.07	ug/L	0.251					
Fe	54	4.312102	109122.6	ug/L	4.483					
Mn	55	-0.019457	1348.447	ug/L	0.003					
Fe	56	-5.353729	2679464	ug/L	3.213					
Fe	57	2.373853	8695.035	ug/L	2.577					
Co	59	0.001516	112.335	ug/L	0					
Ni	60	0.032904	164.336	ug/L	0.001					
Ni	62	0.019973	61.334	ug/L	0.021					
Cu	63	0.022422	299.341	ug/L	0.005					
Zn	64	0.363378	2048.783	ug/L	0.01					
Cu	65	0.026308	149.336	ug/L	0.003					
Zn	66	0.349654	1164.753	ug/L	0.026					
Zn	68	0.363189	943.392	ug/L	0.006					
Ge	72	170024.612		ug/L						
As	75	0.000587	128.961	ug/L	0.001					
Se	74	103.259847	17514.63	mg/L	23.833					
ArCl	77	789.709		ug/L						

Br	79	1589.822	ug/L						
Br	81	23718.471	ug/L						
Y	89	474630.832	ug/L						
Mo	95	0.00446	291.674	ug/L	0.004				
Rh	103	453046.527	ug/L						
Ag	107	0.0392	1008.733	ug/L	0.012				
Ag	109	0.039174	971.729	ug/L	0.011				
Cd	111	0.002731	31.334	ug/L	0.001				
Cd	114	0.003697	75.668	ug/L	0.001				
In	115	572194.903	ug/L						
Sb	121	0.051114	1852.874	ug/L	0.004				
Sb	123	0.054971	1417.737	ug/L	0.006				
Ba	137	0.046848	323.009	ug/L	0.002				
Ba	138	0.049998	2157.736	ug/L	0.001				
Tb	159	770576.681	ug/L						
Ho	165	749356.949	ug/L						
Hg	200	0.006527	32.667	ug/L	0.004				
Hg	202	0.001913	30.667	ug/L	0.002				
Tl	205	-0.001168	408.347	ug/L	0				
Pb	208	0.02452	1869.095	ug/L	0.001				
Bi	209	531509.782	ug/L						
Se	77	0.887797	821.37	mg/L	0.359				
Se	78	0.350973	14942.13	mg/L	0.011				
Se	82	-0.007477	-12.942	mg/L	0.197				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.836							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.002
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.966
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.509
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LLCS
Sample Date/Time Wednesday August 24 2011 17:45:45
Autosampl Position: 19
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LLCS.18173
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12473.886		ug/L						
Be	9	0.11643	53.001	ug/L	0.006					
B	10	-0.159564	95.668	ug/L	0.067					
B	11	-0.014235	467.683	ug/L	0.003					
C	12	536478.47		ug/L						
Na	23	1.409001	85754.84	ug/L	0.316					
Mg	24	10.01741	49492.67	ug/L	0.07					
Mg	25	9.769365	6736.502	ug/L	0.155					
Al	27	9.628631	76071.19	ug/L	0.218					
Si	28	61429.684		ug/L						
P	31	2.049697	19058.53	ug/L	2.042					
S	32	73645272.48		ug/L						
Cl	35	7918483.066		ug/L						
K	39	4.302291	786492.8	ug/L	1.471					
Ca	44	1.004824	34488.75	ug/L	3.529					
Sc	45	182467.976		ug/L						
Ti	47	0.109132	297.341	ug/L	0.038					
Ti	48	0.107472	-1444.24	ug/L	0.002					
V	51	0.000924	35258.27	ug/L	0.018					
ClO	51	36146.758		ug/L						
Cr	52	0.038852	8546.988	ug/L	0.01					
Cr	53	-0.002632	11484.37	ug/L	0.025					
Fe	54	0.022417	109640.1	ug/L	1.008					
Mn	55	0.038506	2231.296	ug/L	0.004					
Fe	56	-5.410593	2763209	ug/L	2.192					
Fe	57	9.837918	11151.28	ug/L	0.528					
Co	59	0.089387	1077.741	ug/L	0.001					
Ni	60	0.071263	265.34	ug/L	0.001					
Ni	62	0.060424	78.668	ug/L	0.016					
Cu	63	0.268728	1645.499	ug/L	0.016					
Zn	64	0.273325	1891.848	ug/L	0.032					
Cu	65	0.26633	775.708	ug/L	0.001					
Zn	66	0.324646	1165.42	ug/L	0.024					
Zn	68	0.31691	924.723	ug/L	0.066					
Ge	72	170576.086		ug/L						
As	75	0.112297	317.767	ug/L	0.011					
Se	74	333.620061	19872.95	mg/L	143.8					
ArCl	77	750.705		ug/L						

Br	79	2634.41	ug/L						
Br	81	23777.626	ug/L						
Y	89	467171.774	ug/L						
Mo	95	0.08356	647.03	ug/L	0.005				
Rh	103	449066.038	ug/L						
Ag	107	0.094164	1721.514	ug/L	0.01				
Ag	109	0.09041	1615.494	ug/L	0.013				
Cd	111	0.093658	328.009	ug/L	0.002				
Cd	114	0.09495	774.041	ug/L	0.002				
In	115	578850.821	ug/L						
Sb	121	0.093913	2319.319	ug/L	0.005				
Sb	123	0.102126	1810.848	ug/L	0.003				
Ba	137	0.094766	610.027	ug/L	0				
Ba	138	0.09527	3896.07	ug/L	0.002				
Tb	159	763858.319	ug/L						
Ho	165	740667.749	ug/L						
Hg	200	0.104243	283.007	ug/L	0.003				
Hg	202	0.105221	379.012	ug/L	0.001				
Tl	205	0.091691	3492.706	ug/L	0.001				
Pb	208	0.097986	5233.307	ug/L	0.003				
Bi	209	541431.744	ug/L						
Se	77	0.063414	717.362	mg/L	0.508				
Se	78	-0.347272	14658.25	mg/L	0.767				
Se	82	0.351357	53.552	mg/L	0.13				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.947							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	100.327
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	102.14
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	99.343
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: ICSA
Sample Date/Time Wednesday August 24 2011 17:52:25
Autosampl Position: 20
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\ICSA.18174
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10977.293		ug/L						
Be	9	0.069033	32.667	ug/L	0.012					
B	10	0.198944	122.669	ug/L	0.021					
B	11	0.243328	555.022	ug/L	0.046					
C	12	3451055.085		ug/L						
Na	23	47812.89521	3.28E+08	ug/L	2321.502					
Mg	24	48066.45844	2.22E+08	ug/L	1319.083					
Mg	25	47552.08589	30758471	ug/L	999.813					
Al	27	47970.91407	3.32E+08	ug/L	740.021					
Si	28	126364.74		ug/L						
P	31	47635.48616	16740237	ug/L	295.255					
S	32	107090305.7		ug/L						
Cl	35	16679266.65		ug/L						
K	39	48105.68292	4.42E+08	ug/L	112.43					
Ca	44	47696.45715	14549195	ug/L	150.283					
Sc	45	173604.655		ug/L						
Ti	47	116.17507	90762.09	ug/L	0.362					
Ti	48	48.784579	389627.8	ug/L	1.854					
V	51	1.763366	51546.84	ug/L	0.344					
ClO	51	52374.509		ug/L						
Cr	52	0.215362	9656.14	ug/L	0.031					
Cr	53	6.298665	17403.51	ug/L	1.009					
Fe	54	47669.57736	31155119	ug/L	1873.287					
Mn	55	0.310463	5875.624	ug/L	0.002					
Fe	56	47909.28522	5.53E+08	ug/L	1452.735					
Fe	57	48883.73357	13575592	ug/L	759.683					
Co	59	0.154012	1698.509	ug/L	0.004					
Ni	60	1.354368	3302.299	ug/L	0.003					
Ni	62	0.673217	296.674	ug/L	0.063					
Cu	63	0.843583	4535.51	ug/L	0.018					
Zn	64	7.914347	19633.68	ug/L	0.109					
Cu	65	0.648935	1680.506	ug/L	0.031					
Zn	66	4.989272	7498.166	ug/L	0.018					
Zn	68	4.430494	4913.377	ug/L	0.016					
Ge	72	171547.822		ug/L						
As	75	0.162133	405.941	ug/L	0.101					
Se	74	-1601.68905	494.131	mg/L	429.027					
ArCl	77	1459.132		ug/L						

Br	79	32326.78	ug/L						
Br	81	55012.687	ug/L						
Y	89	446136.866	ug/L						
Mo	95	0.125155	838.047	ug/L	0.002				
Rh	103	405341.514	ug/L						
Ag	107	0.108262	1796.863	ug/L	0.01				
Ag	109	0.07916	1395.788	ug/L	0.009				
Cd	111	0.111289	364.344	ug/L	0.01				
Cd	114	0.10876	831.38	ug/L	0.003				
In	115	547131.427	ug/L						
Sb	121	0.450022	5689.17	ug/L	0.015				
Sb	123	0.456077	4381.78	ug/L	0.002				
Ba	137	0.230252	1333.778	ug/L	0.01				
Ba	138	0.240255	8868.321	ug/L	0.004				
Tb	159	736897.495	ug/L						
Ho	165	721195.424	ug/L						
Hg	200	0.027551	84.001	ug/L	0.005				
Hg	202	0.024179	102.668	ug/L	0.004				
Tl	205	0.051775	2107.932	ug/L	0.002				
Pb	208	0.171337	8386.265	ug/L	0.005				
Bi	209	471531.322	ug/L						
Se	77	5.696885	1428.112	mg/L	0.463				
Se	78	-0.719455	14506.93	mg/L	1.31				
Se	82	0.460417	73.761	mg/L	0.051				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.995							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.898
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.543
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.732
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: ICSAB
Sample Date/Time Wednesday August 24 2011 17:59:05
Autosampl Position: 21
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\ICSAB.18175
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11126.807		ug/L						
Be	9	9.048999	3447.021	ug/L	0.287					
B	10	8.795692	896.053	ug/L	0.377					
B	11	8.650045	4211.017	ug/L	0.393					
C	12	3377380.154		ug/L						
Na	23	46825.16401	3.26E+08	ug/L	877.485					
Mg	24	47110.23566	2.2E+08	ug/L	2195.324					
Mg	25	46799.22456	30718536	ug/L	1905.558					
Al	27	46916.72481	3.3E+08	ug/L	734.251					
Si	28	122698.007		ug/L						
P	31	46420.72193	16557979	ug/L	1119.341					
S	32	103147130.6		ug/L						
Cl	35	16676083.11		ug/L						
K	39	48095.946	4.49E+08	ug/L	1516.876					
Ca	44	45395.26014	14047062	ug/L	2986.816					
Sc	45	176263.82		ug/L						
Ti	47	120.380604	95371.42	ug/L	9.006					
Ti	48	59.042815	479719.4	ug/L	3.169					
V	51	10.996014	148070.3	ug/L	0.537					
ClO	51	152452.188		ug/L						
Cr	52	9.060545	87329.16	ug/L	0.335					
Cr	53	15.556262	27339.67	ug/L	0.075					
Fe	54	46592.61727	30911269	ug/L	1323.441					
Mn	55	9.072621	128603.1	ug/L	0.512					
Fe	56	47281.76842	5.54E+08	ug/L	2338.085					
Fe	57	48175.83223	13579828	ug/L	1166.962					
Co	59	9.000447	95240.24	ug/L	0.267					
Ni	60	9.451924	22881.99	ug/L	0.344					
Ni	62	8.708151	3254.282	ug/L	0.107					
Cu	63	9.142354	48109.11	ug/L	0.273					
Zn	64	16.229522	39614.72	ug/L	0.704					
Cu	65	9.109943	22857.27	ug/L	0.438					
Zn	66	13.433836	19340.75	ug/L	0.759					
Zn	68	12.830385	13342.25	ug/L	0.504					
Ge	72	178296.329		ug/L						
As	75	9.086178	16122.61	ug/L	0.588					
Se	74	-1373.84535	2893.555	mg/L	180.219					
ArCl	77	2616.069		ug/L						

Br	79	34558.262	ug/L						
Br	81	57086.678	ug/L						
Y	89	467728.383	ug/L						
Mo	95	9.16882	43177.73	ug/L	0.452				
Rh	103	429990.568	ug/L						
Ag	107	8.895886	110796.9	ug/L	0.421				
Ag	109	8.743234	105388.1	ug/L	0.421				
Cd	111	9.24818	29336.89	ug/L	0.623				
Cd	114	9.094505	67721.7	ug/L	0.302				
In	115	564090.977	ug/L						
Sb	121	10.838126	110846.8	ug/L	0.7				
Sb	123	10.975373	86212.68	ug/L	0.577				
Ba	137	9.500431	54698.95	ug/L	0.576				
Ba	138	9.674443	356453.8	ug/L	0.587				
Tb	159	751691.7	ug/L						
Ho	165	737277.645	ug/L						
Hg	200	0.939785	2414.345	ug/L	0.028				
Hg	202	0.942043	3187.257	ug/L	0.027				
Tl	205	8.687071	287805.5	ug/L	0.474				
Pb	208	8.830766	405381.9	ug/L	0.46				
Bi	209	489582.447	ug/L						
Se	77	14.776895	2573.698	mg/L	0.598				
Se	78	8.703996	18338.24	mg/L	0.341				
Se	82	9.506964	1750.114	mg/L	0.635				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.481							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	104.867
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	99.536
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	98.889
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 5ppm LRC-flush
Sample Date/Time Wednesday August 24 2011 18:05:45
Autosampl Position: 22
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D LRC-flush.18176
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11767.611		ug/L						
Be	9	5065.35305	1867892	ug/L	128.558					
B	10	1.129897	201.671	ug/L	0.25					
B	11	-0.109164	398.013	ug/L	0.032					
C	12	1195089.863		ug/L						
Na	23	5016.828573	33941226	ug/L	19.329					
Mg	24	5049.319704	22926722	ug/L	16.526					
Mg	25	5093.693697	3244817	ug/L	90.247					
Al	27	5073.304516	34611701	ug/L	24.552					
Si	28	86023.784		ug/L						
P	31	-1.950824	16476.57	ug/L	0.126					
S	32	64455083.9		ug/L						
Cl	35	6547714.636		ug/L						
K	39	5069.786722	46506650	ug/L	90.708					
Ca	44	4985.971295	1526037	ug/L	42.888					
Sc	45	170928.163		ug/L						
Ti	47	0.357386	468.683	ug/L	0.019					
Ti	48	3.948409	29036.57	ug/L	0.125					
V	51	4909.996794	49439869	ug/L	10.715					
ClO	51	50927515.02		ug/L						
Cr	52	4850.508573	41253776	ug/L	45.703					
Cr	53	4747.786931	4818323	ug/L	5.515					
Fe	54	4993.575901	3305290	ug/L	77.877					
Mn	55	4869.72635	66154234	ug/L	7.395					
Fe	56	4955.931529	58712192	ug/L	38.767					
Fe	57	4711.064337	1295281	ug/L	20.582					
Co	59	4746.201438	48671836	ug/L	45.036					
Ni	60	4323.156469	10116373	ug/L	47.289					
Ni	62	4281.967271	1526024	ug/L	130.728					
Cu	63	4510.265153	22936685	ug/L	68.535					
Zn	64	4616.295566	10608287	ug/L	55.644					
Cu	65	4435.110851	10759457	ug/L	15.858					
Zn	66	4520.31005	6096209	ug/L	40.699					
Zn	68	4540.080151	4382453	ug/L	65.274					
Ge	72	157379.92		ug/L						
As	75	4875.803435	7585546	ug/L	76.908					
Se	74	6938.140131	79203.89	mg/L	263.027					
ArCl	77	594772.494		ug/L						

Br	79	3964.904	ug/L						
Br	81	23082.835	ug/L						
Y	89	425817.971	ug/L						
Mo	95	5064.121058	20937907	ug/L	7.378				
Rh	103	397756.343	ug/L						
Ag	107	4246.363544	49281301	ug/L	5.27				
Ag	109	4134.775353	46439591	ug/L	8.976				
Cd	111	4819.422723	14307630	ug/L	58.421				
Cd	114	4911.180624	34195990	ug/L	54.793				
In	115	527369.562	ug/L						
Sb	121	5456.543387	51651045	ug/L	79.87				
Sb	123	5429.780978	39485299	ug/L	105.553				
Ba	137	4876.154627	26266844	ug/L	3.241				
Ba	138	4912.3111	1.69E+08	ug/L	8.239				
Tb	159	720309.078	ug/L						
Ho	165	716959.891	ug/L						
Hg	200	0.178736	459.016	ug/L	0.004				
Hg	202	0.172481	586.691	ug/L	0.004				
Tl	205	5080.099742	1.64E+08	ug/L	24.852				
Pb	208	4996.077337	2.23E+08	ug/L	9.872				
Bi	209	512219.348	ug/L						
Se	77	4696.967022	593305.3	mg/L	35.842				
Se	78	4669.25999	1913189	mg/L	122.716				
Se	82	4491.690123	832312.7	mg/L	92.076				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.499							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.565
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.056
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.164
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 18:12:26
Autosampl Position: 23
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18177
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11517.959		ug/L						
Be	9	0.160505	68.668	ug/L	0.087					
B	10	1.327227	228.672	ug/L	0.25					
B	11	1.270255	1022.401	ug/L	0.007					
C	12	505753.91		ug/L						
Na	23	-0.609479	69646.04	ug/L	0.014					
Mg	24	2.159321	11154.62	ug/L	0.016					
Mg	25	1.868941	1336.899	ug/L	0.203					
Al	27	3.480109	30627.94	ug/L	0.217					
Si	28	86885.228		ug/L						
P	31	2.793755	18921.56	ug/L	0.003					
S	32	69063130.23		ug/L						
Cl	35	10797235.19		ug/L						
K	39	0.352099	732299.6	ug/L	0.503					
Ca	44	14.148931	37865.81	ug/L	0.505					
Sc	45	178519.833		ug/L						
Ti	47	0.051924	244.672	ug/L	0.027					
Ti	48	0.066977	-1747.65	ug/L	0.002					
V	51	0.685701	41694.48	ug/L	0.014					
ClO	51	42756.428		ug/L						
Cr	52	0.028534	8269.92	ug/L	0.034					
Cr	53	1.930637	13281.5	ug/L	0.177					
Fe	54	26.847379	125228.6	ug/L	5.564					
Mn	55	0.173224	4097.98	ug/L	0.05					
Fe	56	3.532128	2809474	ug/L	3.021					
Fe	57	18.653375	13427.92	ug/L	0.309					
Co	59	0.176318	1989.258	ug/L	0.078					
Ni	60	2.608522	6461.694	ug/L	0.052					
Ni	62	2.4822	978.396	ug/L	0.153					
Cu	63	0.764888	4245.035	ug/L	0.053					
Zn	64	2.500501	7196.59	ug/L	0.038					
Cu	65	0.727913	1927.891	ug/L	0.055					
Zn	66	2.554207	4280.384	ug/L	0.071					
Zn	68	2.515658	3121.901	ug/L	0.021					
Ge	72	166228.718		ug/L						
As	75	0.913976	1625.17	ug/L	0.248					
Se	74	539.503061	21379.36	mg/L	219.451					
ArCl	77	927.057		ug/L						

Br		79	1674.504	ug/L						
Br		81	22715.916	ug/L						
Y		89	463358.013	ug/L						
Mo		95	4.744699	20966.79	ug/L	0.952				
Rh		103	445569.406	ug/L						
Ag		107	17.491502	219931.6	ug/L	1.54				
Ag		109	16.459101	200381	ug/L	0.254				
Cd		111	0.14653	493.018	ug/L	0.007				
Cd		114	0.167864	1310.11	ug/L	0.038				
In		115	570288.467	ug/L						
Sb		121	17.775226	183043.7	ug/L	4.158				
Sb		123	17.768257	140532.3	ug/L	4.035				
Ba		137	0.172483	1053.072	ug/L	0.021				
Ba		138	0.161536	6306.311	ug/L	0.014				
Tb		159	758588.781	ug/L						
Ho		165	753698.613	ug/L						
Hg		200	0.011675	46.334	ug/L	0				
Hg		202	0.008359	53.001	ug/L	0				
Tl		205	0.20778	7482.487	ug/L	0.003				
Pb		208	0.216154	10823.7	ug/L	0.058				
Bi		209	534464.815	ug/L						
Se		77	1.881296	946.716	mg/L	0.389				
Se		78	-0.022495	14790.29	mg/L	0.5				
Se		82	1.603158	285.514	mg/L	0.541				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	99.741								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	97.77
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	100.63
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	101.091
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 18:19:08
Autosampl Position: 24
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18178
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11806.33		ug/L						
Be	9	0.047715	26.334	ug/L	0.01					
B	10	3.135834	407.68	ug/L	0.188					
B	11	3.331655	1999.573	ug/L	0.185					
C	12	541291.591		ug/L						
Na	23	4.711414	111119.4	ug/L	0.21					
Mg	24	2.506432	13274.35	ug/L	0					
Mg	25	2.808884	2033.764	ug/L	0.077					
Al	27	5.042314	43307.23	ug/L	0.06					
Si	28	121715.169		ug/L						
P	31	5.721503	20739.26	ug/L	6.669					
S	32	70528149.33		ug/L						
Cl	35	13622466.9		ug/L						
K	39	-0.589302	750134.5	ug/L	1.075					
Ca	44	11.451187	38394.76	ug/L	0.624					
Sc	45	185130.285		ug/L						
Ti	47	0.170032	352.01	ug/L	0					
Ti	48	0.152915	-1076.23	ug/L	0.001					
V	51	1.120219	47956.01	ug/L	0.191					
ClO	51	49514.366		ug/L						
Cr	52	-0.01349	8188.104	ug/L	0.03					
Cr	53	3.929556	15958.49	ug/L	0.68					
Fe	54	63.69777	155476.7	ug/L	1.075					
Mn	55	0.111689	3340.981	ug/L	0.002					
Fe	56	17.142972	3079531	ug/L	5.721					
Fe	57	36.212475	19115.33	ug/L	2.745					
Co	59	0.032959	466.35	ug/L	0.005					
Ni	60	1.763779	4558.855	ug/L	0.018					
Ni	62	1.70357	714.035	ug/L	0.07					
Cu	63	0.846348	4852.01	ug/L	0.004					
Zn	64	3.783611	10655.22	ug/L	0.088					
Cu	65	0.831516	2271.973	ug/L	0.007					
Zn	66	3.953545	6483.376	ug/L	0.01					
Zn	68	3.899136	4684.254	ug/L	0.03					
Ge	72	167339.601		ug/L						
As	75	0.321713	657.287	ug/L	0.068					
Se	74	196.240965	18118.35	mg/L	402.478					
ArCl	77	984.063		ug/L						

Br	79	1515.141	ug/L						
Br	81	23379.265	ug/L						
Y	89	469176.038	ug/L						
Mo	95	1.305124	6007.382	ug/L	0.073				
Rh	103	446545.657	ug/L						
Ag	107	10.013291	127603.6	ug/L	0.148				
Ag	109	9.937846	122563	ug/L	0.179				
Cd	111	0.022264	95.001	ug/L	0				
Cd	114	0.026858	252.673	ug/L	0				
In	115	576658.29	ug/L						
Sb	121	4.926228	52352.75	ug/L	0.372				
Sb	123	4.941418	40302.62	ug/L	0.366				
Ba	137	0.089267	575.357	ug/L	0.001				
Ba	138	0.08495	3492.571	ug/L	0.001				
Tb	159	757815.711	ug/L						
Ho	165	752541.901	ug/L						
Hg	200	0.017731	62.001	ug/L	0.002				
Hg	202	0.015777	78.334	ug/L	0				
Tl	205	0.035967	1664.836	ug/L	0.001				
Pb	208	0.079263	4439.486	ug/L	0.002				
Bi	209	552037.837	ug/L						
Se	77	1.860159	944.049	mg/L	0.747				
Se	78	-0.688995	14519.31	mg/L	0.718				
Se	82	0.455582	72.865	mg/L	0.241				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.434							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.423
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	101.754
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.936
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 18:25:49
Autosampl Position: 25
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18179
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12284.296		ug/L						
Be	9	0.031058	19.667	ug/L	0.004					
B	10	7.20678	792.709	ug/L	0.328					
B	11	7.050315	3700.457	ug/L	0.233					
C	12	560490.948		ug/L						
Na	23	10.476221	153476.6	ug/L	0.292					
Mg	24	5.169058	26400.92	ug/L	0.104					
Mg	25	5.282437	3744.48	ug/L	0.338					
Al	27	14.01423	109742.7	ug/L	0.047					
Si	28	194644.556		ug/L						
P	31	7.753687	21507.56	ug/L	0.261					
S	32	70778555.34		ug/L						
Cl	35	19533611.62		ug/L						
K	39	3.191409	788269.6	ug/L	0.315					
Ca	44	29.826772	44412.65	ug/L	1.85					
Sc	45	185372.279		ug/L						
Ti	47	0.329752	485.351	ug/L	0.021					
Ti	48	0.359527	694.877	ug/L	0.003					
V	51	2.555777	63686.25	ug/L	0.362					
ClO	51	65409.383		ug/L						
Cr	52	0.143753	9650.007	ug/L	0.035					
Cr	53	8.698916	21218.97	ug/L	0.937					
Fe	54	90.382779	174263.8	ug/L	5.148					
Mn	55	0.237296	5196.537	ug/L	0.008					
Fe	56	6.645213	2955032	ug/L	6.327					
Fe	57	33.114413	18230.09	ug/L	0.946					
Co	59	0.031624	452.349	ug/L	0.004					
Ni	60	2.540356	6536.081	ug/L	0.007					
Ni	62	2.482941	1016.4	ug/L	0.057					
Cu	63	1.144567	6503.724	ug/L	0.011					
Zn	64	6.119423	16491.39	ug/L	0.085					
Cu	65	1.16163	3143.909	ug/L	0.025					
Zn	66	6.360162	10011.28	ug/L	0.039					
Zn	68	6.233342	7134.204	ug/L	0.125					
Ge	72	170131.98		ug/L						
As	75	0.024574	169.852	ug/L	0.048					
Se	74	10.635923	16588.67	mg/L	229.067					
ArCl	77	1355.448		ug/L						

Br	79	1539.146	ug/L						
Br	81	22769.041	ug/L						
Y	89	475245.012	ug/L						
Mo	95	0.840609	4029.6	ug/L	0.024				
Rh	103	447404.38	ug/L						
Ag	107	5.509251	70920.94	ug/L	0.106				
Ag	109	5.490256	68414.25	ug/L	0.065				
Cd	111	0.028887	117.335	ug/L	0				
Cd	114	0.031124	287.007	ug/L	0.002				
In	115	580748.854	ug/L						
Sb	121	2.921414	31806.92	ug/L	0.089				
Sb	123	2.908321	24294.15	ug/L	0.1				
Ba	137	0.2161	1331.778	ug/L	0				
Ba	138	0.215921	8489.245	ug/L	0				
Tb	159	772625.438	ug/L						
Ho	165	755415.359	ug/L						
Hg	200	0.036001	110.002	ug/L	0.002				
Hg	202	0.030391	128.669	ug/L	0.006				
Tl	205	0.031471	1519.142	ug/L	0				
Pb	208	0.299166	14789.18	ug/L	0.005				
Bi	209	544789.221	ug/L						
Se	77	4.343969	1257.421	mg/L	1.001				
Se	78	0.012352	14804.46	mg/L	0.548				
Se	82	0.53929	88.376	mg/L	0.17				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.569							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	100.066
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	102.475
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	101.321
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 18:32:29
Autosampl Position: 26
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18180
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11395.137		ug/L						
Be	9	0.014049	12	ug/L	0.006					
B	10	0.793748	174.67	ug/L	0.192					
B	11	0.879622	825.046	ug/L	0.02					
C	12	483442.161		ug/L						
Na	23	0.025942	71876.9	ug/L	0.41					
Mg	24	1.409461	7367.055	ug/L	0.076					
Mg	25	1.469287	1036.83	ug/L	0.231					
Al	27	2.03253	19696.65	ug/L	0.219					
Si	28	78222.884		ug/L						
P	31	-2.406563	16526.66	ug/L	1.903					
S	32	69057373.77		ug/L						
Cl	35	9723551.168		ug/L						
K	39	-1.270313	695312	ug/L	2.263					
Ca	44	10.494349	35609.83	ug/L	4.028					
Sc	45	173172.851		ug/L						
Ti	47	0.054197	239.339	ug/L	0.017					
Ti	48	0.009896	-2151.51	ug/L	0.015					
V	51	1.062738	44286.4	ug/L	0.023					
ClO	51	45756.993		ug/L						
Cr	52	-0.03612	7462.835	ug/L	0.039					
Cr	53	3.429917	14419.91	ug/L	0.103					
Fe	54	9.729405	110356.6	ug/L	1.812					
Mn	55	0.010831	1736.183	ug/L	0.008					
Fe	56	-7.781276	2594573	ug/L	7.71					
Fe	57	3.897287	8931.953	ug/L	2.661					
Co	59	0.009435	192.004	ug/L	0.002					
Ni	60	0.179271	508.019	ug/L	0.003					
Ni	62	0.156961	109.668	ug/L	0.024					
Cu	63	0.162091	1012.733	ug/L	0.004					
Zn	64	1.374022	4357.157	ug/L	0.066					
Cu	65	0.163957	484.684	ug/L	0.004					
Zn	66	1.390499	2561.387	ug/L	0.086					
Zn	68	1.419049	1955.563	ug/L	0.047					
Ge	72	163561.033		ug/L						
As	75	0.162683	386.834	ug/L	0.067					
Se	74	412.008323	19788.87	mg/L	275.008					
ArCl	77	764.373		ug/L						

Br	79	1292.105	ug/L						
Br	81	21058.918	ug/L						
Y	89	452498.187	ug/L						
Mo	95	0.297141	1537.479	ug/L	0.024				
Rh	103	434765.741	ug/L						
Ag	107	1.680815	21201.91	ug/L	0.008				
Ag	109	1.698122	20721.8	ug/L	0.013				
Cd	111	0.010465	55.001	ug/L	0.001				
Cd	114	0.011948	135.002	ug/L	0				
In	115	559572.08	ug/L						
Sb	121	1.077179	12115.52	ug/L	0.038				
Sb	123	1.079749	9292.453	ug/L	0.025				
Ba	137	0.029369	216.005	ug/L	0.003				
Ba	138	0.027733	1295.967	ug/L	0.001				
Tb	159	731270.933	ug/L						
Ho	165	721838.431	ug/L						
Hg	200	0.007392	33.667	ug/L	0.002				
Hg	202	0.003781	35.667	ug/L	0.001				
Tl	205	0.015129	921.723	ug/L	0.001				
Pb	208	0.020896	1637.74	ug/L	0				
Bi	209	516823.781	ug/L						
Se	77	0.401621	760.032	mg/L	0.419				
Se	78	-1.376959	14239.6	mg/L	1.333				
Se	82	0.472785	76.053	mg/L	0.534				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.754							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.201
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.739
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.818
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	1						
Sample	Date/Time	Wednesday	August	24	2011	18:39:09				
Autosampl	Position:	5								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	1.18181						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11364.432	ug/L							
Be	9	0.017204	13	ug/L	0.017					
B	10	-0.164062	89.001	ug/L	0.04					
B	11	-0.137035	385.679	ug/L	0.031					
C	12	455577.701	ug/L							
Na	23	-7.376606	20959.56	ug/L	0.014					
Mg	24	0.149182	1550.29	ug/L	0.067					
Mg	25	0.279519	266.697	ug/L	0.044					
Al	27	0.25387	7310.336	ug/L	0.008					
Si	28	62829.366	ug/L							
P	31	-4.594248	15534.84	ug/L	2.43					
S	32	65439438.58	ug/L							
Cl	35	7845722.992	ug/L							
K	39	-1.568003	682545.3	ug/L	0.367					
Ca	44	10.23545	35017.47	ug/L	0.419					
Sc	45	170607.332	ug/L							
Ti	47	-0.009324	187.004	ug/L	0.01					
Ti	48	-0.037212	-2492.78	ug/L	0.004					
V	51	0.484059	37820.22	ug/L	0.041					
ClO	51	38803.364	ug/L							
Cr	52	-0.093242	6870.975	ug/L	0.004					
Cr	53	1.571842	12329.15	ug/L	0.281					
Fe	54	0.208481	102638.1	ug/L	0.644					
Mn	55	-0.03579	1079.408	ug/L	0.001					
Fe	56	-62.289532	1941563	ug/L	0.339					
Fe	57	0.195106	7797.455	ug/L	0.013					
Co	59	0.001713	110.335	ug/L	0.002					
Ni	60	-0.000422	80.668	ug/L	0.002					
Ni	62	-0.010632	48.334	ug/L	0.022					
Cu	63	0.069655	528.687	ug/L	0.002					
Zn	64	0.091684	1352.933	ug/L	0.002					
Cu	65	0.077472	268.007	ug/L	0.01					
Zn	66	0.111241	802.71	ug/L	0					
Zn	68	0.100535	656.697	ug/L	0.038					
Ge	72	163166.462	ug/L							
As	75	0.108851	298.21	ug/L	0.008					
Se	74	171.535483	17359.62	mg/L	762.1					
ArCl	77	634.695	ug/L							

Br	79	2063.922	ug/L						
Br	81	20851.762	ug/L						
Y	89	443479.671	ug/L						
Mo	95	0.134233	834.714	ug/L	0.024				
Rh	103	416348.71	ug/L						
Ag	107	0.830535	10317.69	ug/L	0.135				
Ag	109	0.826894	9939.583	ug/L	0.123				
Cd	111	0.007086	42.667	ug/L	0				
Cd	114	0.004702	78.334	ug/L	0.001				
In	115	538055.755	ug/L						
Sb	121	0.632633	7358.052	ug/L	0.027				
Sb	123	0.627961	5583.998	ug/L	0.038				
Ba	137	0.007481	87.335	ug/L	0.002				
Ba	138	0.006163	487.236	ug/L	0.001				
Tb	159	711926.442	ug/L						
Ho	165	726693.891	ug/L						
Hg	200	0.00095	17.667	ug/L	0.001				
Hg	202	0.000488	25	ug/L	0.002				
Tl	205	0.002307	509.353	ug/L	0				
Pb	208	0.015489	1404.39	ug/L	0				
Bi	209	514243.273	ug/L						
Se	77	-0.76096	613.354	mg/L	0.239				
Se	78	-1.553259	14167.93	mg/L	0.187				
Se	82	0.066786	0.82	mg/L	0.109				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.32							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.969
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.942
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.469
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Wednesday August 24 2011 18:46:19
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 2.18182
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11624.761		ug/L						
Be	9	100.778669	37700.05	ug/L	0.875					
B	10	98.869924	8836.382	ug/L	2.04					
B	11	96.379992	41600.72	ug/L	0.146					
C	12	480610.619		ug/L						
Na	23	95.614268	726362.3	ug/L	1.793					
Mg	24	104.965367	484203.9	ug/L	2.015					
Mg	25	104.251332	67422.48	ug/L	1.027					
Al	27	103.647869	722646.9	ug/L	0.395					
Si	28	235987.686		ug/L						
P	31	-0.386133	17258.1	ug/L	1.621					
S	32	68211174.13		ug/L						
Cl	35	7995395.587		ug/L						
K	39	1034.340845	10186568	ug/L	5.189					
Ca	44	114.694398	67318.39	ug/L	3.823					
Sc	45	173332.839		ug/L						
Ti	47	100.542467	78452.18	ug/L	0.366					
Ti	48	102.245551	817889.8	ug/L	0.038					
V	51	99.437114	1048162	ug/L	0.312					
ClO	51	1068234.186		ug/L						
Cr	52	100.353661	873208.8	ug/L	0.267					
Cr	53	99.666505	113253.5	ug/L	0.568					
Fe	54	106.956405	173705.2	ug/L	6.903					
Mn	55	101.03136	1393340	ug/L	1.514					
Fe	56	79.785339	3602516	ug/L	2.138					
Fe	57	99.888476	35549.59	ug/L	1.488					
Co	59	100.544486	1045738	ug/L	1.072					
Ni	60	94.951921	225416.1	ug/L	0.906					
Ni	62	94.445151	34192.19	ug/L	1.162					
Cu	63	100.060823	516254.3	ug/L	0.217					
Zn	64	96.835333	226813.9	ug/L	1.273					
Cu	65	101.218903	249094.7	ug/L	0.387					
Zn	66	98.191358	134944.5	ug/L	0.528					
Zn	68	96.985631	95502.31	ug/L	0.879					
Ge	72	163351.95		ug/L						
As	75	109.576455	177059.3	ug/L	1.196					
Se	74	282.898563	18526.78	mg/L	376.88					
ArCl	77	13334.572		ug/L						

Br	79	1825.869	ug/L			
Br	81	20312.873	ug/L			
Y	89	442205.098	ug/L			
Mo	95	98.316524	422175.5	ug/L	0.11	
Rh	103	424657.484	ug/L			
Ag	107	58.88081	702325.1	ug/L	0.468	
Ag	109	59.58436	687797.6	ug/L	0.68	
Cd	111	103.8778	316768.4	ug/L	0.308	
Cd	114	103.721844	741818.1	ug/L	1.014	
In	115	541652.226	ug/L			
Sb	121	100.15738	975032.9	ug/L	5.324	
Sb	123	99.991725	747764.5	ug/L	4.895	
Ba	137	105.154199	581830.4	ug/L	0.11	
Ba	138	102.178341	3618286	ug/L	0.669	
Tb	159	744782.873	ug/L			
Ho	165	719912.921	ug/L			
Hg	200	1.047565	2627.739	ug/L	0.009	
Hg	202	1.04739	3459.693	ug/L	0.012	
Tl	205	104.037431	3364401	ug/L	0.067	
Pb	208	103.150146	4620635	ug/L	0.591	
Bi	209	528132.743	ug/L			
Se	77	96.654332	12903.82	mg/L	1.302	
Se	78	98.351871	54786.54	mg/L	0.852	
Se	82	96.827627	17930.91	mg/L	0.702	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	99.781							
|	B	98.574							
|	B	96.092							
|	C								
|	Na	94.387							
|	Mg	103.926							
|	Mg	103.219							
|	Al	103.235							
|	Si								
|	P								
|	S								
|	Cl								
|	K	103.125							
|	Ca	113.671							
|>	Sc	96.843							
|	Ti	100.542							
|	Ti	102.246							
|	V	99.041							
|	ClO								
|	Cr	99.36							

	Cr	98.68
	Fe	106.318
	Mn	100.629
	Fe	79.309
	Fe	99.293
	Co	99.945
	Ni	94.198
	Ni	93.696
	Cu	100.161
	Zn	96.162
	Cu	101.32
	Zn	97.509
|-	Zn	96.311
|>	Ge	96.078
	As	110.238
	Se	282.334
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	98.022
|-	Rh	
	Ag	58.414
	Ag	59.111
	Cd	103.361
	Cd	103.206
|>	In	95.577
	Sb	99.858
	Sb	99.693
	Ba	104.423
|-	Ba	101.468
|-	Tb	
|>	Ho	96.56
	Hg	104.757
	Hg	104.739
	Tl	104.037
	Pb	103.15
|-	Bi	
	Se	96.461
	Se	98.156
	Se	96.634

Sample	ID:	QC	Std	5						
Sample	Date/Time	Wednesday	August	24	2011	18:53:27				
Autosampl	Position:	7								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	5.18183						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11925.152	ug/L							
Be	9	44.125294	16522.83	ug/L	0.647					
B	10	161.987542	14422.24	ug/L	0.047					
B	11	160.342977	68969.7	ug/L	0.323					
C	12	471399.8	ug/L							
Na	23	-4.279712	42536.91	ug/L	0.089					
Mg	24	0.26981	2130.463	ug/L	0.041					
Mg	25	0.309064	290.034	ug/L	0.044					
Al	27	186.130287	1294103	ug/L	3.867					
Si	28	116851.185	ug/L							
P	31	-8.052141	14583.15	ug/L	0.239					
S	32	66694346.89	ug/L							
Cl	35	7443904.673	ug/L							
K	39	-1.617268	693489.3	ug/L	1.267					
Ca	44	6.883306	34589.15	ug/L	0.613					
Sc	45	173479.799	ug/L							
Ti	47	0.050982	237.005	ug/L	0.019					
Ti	48	0.029979	-1996	ug/L	0.01					
V	51	25.32193	292082.2	ug/L	0.516					
ClO	51	296140.487	ug/L							
Cr	52	49.468897	434664.4	ug/L	1.416					
Cr	53	49.244163	61526.45	ug/L	0.51					
Fe	54	184.044286	223994.8	ug/L	9.497					
Mn	55	106.724026	1472794	ug/L	2.259					
Fe	56	163.175754	4562830	ug/L	1.878					
Fe	57	181.422728	58188.1	ug/L	3.261					
Co	59	23.699009	246723.1	ug/L	0.599					
Ni	60	192.277428	456678.9	ug/L	5.123					
Ni	62	188.57214	68267.04	ug/L	2.972					
Cu	63	77.307505	399123.2	ug/L	2.79					
Zn	64	99.617428	233466.4	ug/L	1.79					
Cu	65	78.183203	192559.6	ug/L	1.441					
Zn	66	101.397092	139429.5	ug/L	1.681					
Zn	68	103.270924	101721.6	ug/L	2.641					
Ge	72	164866.903	ug/L							
As	75	45.077958	73596.42	ug/L	0.715					
Se	74	494.338765	20760.08	mg/L	42.056					
ArCl	77	20810.667	ug/L							

Br		79	1777.192		ug/L					
Br		81	20829.386		ug/L					
Y		89	449769.122		ug/L					
Mo		95	42.81835	185724	ug/L	0.309				
Rh		103	430481.929		ug/L					
Ag		107	51.246986	626072.5	ug/L	0.248				
Ag		109	50.717578	599629.2	ug/L	0.092				
Cd		111	23.546507	73547.37	ug/L	0.183				
Cd		114	23.458472	171835.4	ug/L	0.606				
In		115	554694.206		ug/L					
Sb		121	52.377626	522722.3	ug/L	0.551				
Sb		123	52.818953	404904.4	ug/L	0.628				
Ba		137	143.898465	815332.8	ug/L	1.169				
Ba		138	140.176468	5083108	ug/L	1.504				
Tb		159	739853.608		ug/L					
Ho		165	735705.098		ug/L					
Hg		200	1.018963	2612.401	ug/L	0.013				
Hg		202	1.016425	3431.682	ug/L	0.031				
Tl		205	14.550957	481254	ug/L	0.03				
Pb		208	104.596339	4788294	ug/L	0.706				
Bi		209	526645.154		ug/L					
Se		77	157.056334	20524.48	mg/L	1.768				
Se		78	157.357243	78776.47	mg/L	2.233				
Se		82	155.288242	28763.84	mg/L	1.732				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	103.581							
|	B	101.242							
|	B	100.214							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	105.756							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.925							
|	Ti								
|	Ti								
|	V	101.694							
|	ClO								
|	Cr	100.547							

	Cr	100.09
	Fe	102.818
	Mn	100.683
	Fe	91.16
	Fe	101.353
	Co	101.712
	Ni	94.254
	Ni	92.437
	Cu	98.859
	Zn	94.874
	Cu	99.979
	Zn	96.569
|-	Zn	98.353
|>	Ge	96.969
	As	114.411
	Se	308.962
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	102.192
|-	Rh	
	Ag	101.883
	Ag	100.83
	Cd	101.494
	Cd	101.114
|>	In	97.878
	Sb	112.64
	Sb	113.589
	Ba	102.056
|-	Ba	99.416
|-	Tb	
|>	Ho	98.678
	Hg	101.896
	Hg	101.643
	Tl	102.472
	Pb	100.573
|-	Bi	
	Se	98.16
	Se	98.348
	Se	97.055

Sample	ID:	QC	Std	6						
Sample	Date/Time	Wednesday	August	24	2011	19:00:36				
Autosampl	Position:	8								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	6.18184						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10765.038		ug/L						
Be	9	0.005686	9	ug/L	0.007					
B	10	0.363685	138.669	ug/L	0.219					
B	11	0.420101	637.695	ug/L	0.095					
C	12	453602.471		ug/L						
Na	23	9981.293323	69316077	ug/L	5.113					
Mg	24	10148.96439	47353117	ug/L	5.496					
Mg	25	9988.00628	6537140	ug/L	26.537					
Al	27	10096.42724	70775521	ug/L	27.668					
Si	28	64336.641		ug/L						
P	31	9627.650324	3437597	ug/L	114.91					
S	32	68441432.53		ug/L						
Cl	35	1800856.9		ug/L						
K	39	10091.79405	94426393	ug/L	53.416					
Ca	44	9785.960686	3046032	ug/L	83.443					
Sc	45	175640.799		ug/L						
Ti	47	22.599173	18023.03	ug/L	0.065					
Ti	48	8.91482	70177.62	ug/L	0.226					
V	51	-1.128647	22252.76	ug/L	0.082					
ClO	51	22701.873		ug/L						
Cr	52	-0.050015	7451.529	ug/L	0.002					
Cr	53	-3.843336	7056.808	ug/L	0.179					
Fe	54	9973.300811	6678609	ug/L	70.251					
Mn	55	0.058314	2427.351	ug/L	0.019					
Fe	56	9996.641654	1.19E+08	ug/L	6.073					
Fe	57	9995.393986	2814776	ug/L	46.78					
Co	59	0.030515	416.68	ug/L	0.004					
Ni	60	0.254766	697.367	ug/L	0.028					
Ni	62	0.042765	69.334	ug/L	0.007					
Cu	63	0.237404	1420.792	ug/L	0.004					
Zn	64	0.663301	2742.156	ug/L	0.021					
Cu	65	0.156513	473.35	ug/L	0.018					
Zn	66	0.61841	1529.144	ug/L	0.005					
Zn	68	0.491068	1063.406	ug/L	0.007					
Ge	72	162528.01		ug/L						
As	75	0.274432	563.006	ug/L	0.043					
Se	74	116.504958	16844.65	mg/L	657.345					
ArCl	77	391.346		ug/L						

Br	79	1199.424	ug/L		
Br	81	19591.627	ug/L		
Y	89	439963.511	ug/L		
Mo	95	0.259392	1367.784	ug/L	0.034
Rh	103	407263.589	ug/L		
Ag	107	0.379783	4924.723	ug/L	0.048
Ag	109	0.377458	4735.289	ug/L	0.055
Cd	111	0.016272	69.668	ug/L	0.004
Cd	114	0.016159	158.003	ug/L	0
In	115	532182.83	ug/L		
Sb	121	1.065075	11402.95	ug/L	0.111
Sb	123	1.089791	8907.598	ug/L	0.118
Ba	137	0.052427	330.676	ug/L	0
Ba	138	0.051096	2045.093	ug/L	0
Tb	159	720124.675	ug/L		
Ho	165	717181.011	ug/L		
Hg	200	0.016206	55.334	ug/L	0.001
Hg	202	0.012211	63.001	ug/L	0.002
Tl	205	0.005771	614.361	ug/L	0.004
Pb	208	0.048828	2873.543	ug/L	0
Bi	209	493242.755	ug/L		
Se	77	-2.473089	397.342	mg/L	0.269
Se	78	-2.086396	13951.17	mg/L	1.98
Se	82	0.737231	125.055	mg/L	0.179

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	99.813							
|	Mg	101.49							
|	Mg	99.88							
|	Al	100.964							
|	Si								
|	P	96.277							
|	S								
|	Cl								
|	K	100.918							
|	Ca	97.86							
|>	Sc	98.132							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	99.733
	Mn	
	Fe	99.966
	Fe	99.954
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.593
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.906
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.193
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 19:07:45
Autosampl Position: 27
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18185
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11258.968		ug/L						
Be	9	0.009919	10.333	ug/L	0.001					
B	10	0.429026	140.669	ug/L	0.008					
B	11	0.329231	582.024	ug/L	0.06					
C	12	477117.511		ug/L						
Na	23	-6.825324	24692.63	ug/L	0.105					
Mg	24	0.631098	3737.812	ug/L	0.07					
Mg	25	0.603822	473.393	ug/L	0.115					
Al	27	0.87043	11518.45	ug/L	0.052					
Si	28	65783.767		ug/L						
P	31	-5.647414	15184.2	ug/L	1.473					
S	32	67422539.09		ug/L						
Cl	35	8743435.592		ug/L						
K	39	-0.701857	690902.9	ug/L	0.586					
Ca	44	4.400216	33297.54	ug/L	2.457					
Sc	45	170745.912		ug/L						
Ti	47	0.018312	208.338	ug/L	0.001					
Ti	48	0.010085	-2120.91	ug/L	0.012					
V	51	0.016262	33150.68	ug/L	0.067					
ClO	51	33991.778		ug/L						
Cr	52	-0.110493	6730.647	ug/L	0.034					
Cr	53	0.077258	10828.22	ug/L	0.244					
Fe	54	-0.952518	101976.1	ug/L	1.195					
Mn	55	-0.046294	937.724	ug/L	0					
Fe	56	-61.757883	1949231	ug/L	2.942					
Fe	57	0.967791	8014.333	ug/L	0.606					
Co	59	-0.002005	72.334	ug/L	0.001					
Ni	60	0.01823	124.335	ug/L	0.001					
Ni	62	0.010869	56.001	ug/L	0.025					
Cu	63	0.046344	410.68	ug/L	0.001					
Zn	64	0.177848	1551.758	ug/L	0.011					
Cu	65	0.050834	203.671	ug/L	0.004					
Zn	66	0.213481	941.058	ug/L	0.011					
Zn	68	0.214674	767.373	ug/L	0.022					
Ge	72	165730.373		ug/L						
As	75	0.138387	351.173	ug/L	0.063					
Se	74	92.695388	16962.56	mg/L	224.341					
ArCl	77	653.697		ug/L						

Br	79	1320.109	ug/L						
Br	81	19860.894	ug/L						
Y	89	445135.497	ug/L						
Mo	95	0.102517	711.035	ug/L	0.011				
Rh	103	428078.878	ug/L						
Ag	107	0.249459	3501.709	ug/L	0.009				
Ag	109	0.242982	3308.969	ug/L	0.012				
Cd	111	0.002592	29.667	ug/L	0.003				
Cd	114	0.000871	52.001	ug/L	0.001				
In	115	548017.696	ug/L						
Sb	121	0.458616	5782.229	ug/L	0.009				
Sb	123	0.466204	4463.912	ug/L	0.025				
Ba	137	0.031352	222.338	ug/L	0.005				
Ba	138	0.03278	1449.275	ug/L	0.002				
Tb	159	727117.967	ug/L						
Ho	165	717793.254	ug/L						
Hg	200	0.006663	31.667	ug/L	0.001				
Hg	202	0.005173	40	ug/L	0.002				
Tl	205	0.000825	455.349	ug/L	0				
Pb	208	0.009726	1130.039	ug/L	0.001				
Bi	209	518314.79	ug/L						
Se	77	-0.930061	592.019	mg/L	0.299				
Se	78	-2.201779	13904.26	mg/L	1.235				
Se	82	0.312454	46.343	mg/L	0.501				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.398							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	
|	Mn	
|	Fe	
|	Fe	
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	97.477
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	96.7
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	96.275
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: BLK
Sample Date/Time Wednesday August 24 2011 19:14:25
Autosampl Position: 28
Sample Descriptior 17-Aug C
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\BLK.18186
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11788.974		ug/L						
Be	9	-0.004163	5.333	ug/L	0.003					
B	10	0.151682	121.002	ug/L	0.085					
B	11	0.130225	517.353	ug/L	0.035					
C	12	685528.87		ug/L						
Na	23	-7.020378	24271.51	ug/L	0.176					
Mg	24	0.586546	3671.113	ug/L	0.085					
Mg	25	0.621829	503.398	ug/L	0.099					
Al	27	0.963735	12620.06	ug/L	0.159					
Si	28	77113.371		ug/L						
P	31	-0.377712	17659.06	ug/L	6.265					
S	32	69060252		ug/L						
Cl	35	10153698.39		ug/L						
K	39	-3.900177	687061.1	ug/L	1.354					
Ca	44	5.843569	35007.44	ug/L	1.244					
Sc	45	177216.064		ug/L						
Ti	47	0.031987	227.005	ug/L	0.025					
Ti	48	0.023647	-2089.84	ug/L	0.01					
V	51	0.337115	37744.93	ug/L	0.135					
ClO	51	38857.301		ug/L						
Cr	52	-0.104112	7040.326	ug/L	0.019					
Cr	53	1.14715	12358.52	ug/L	0.461					
Fe	54	0.924845	107096.6	ug/L	1.615					
Mn	55	-0.04896	935.724	ug/L	0					
Fe	56	-18.782294	2527086	ug/L	0.151					
Fe	57	-0.242932	7977.636	ug/L	1.458					
Co	59	-0.00233	71.668	ug/L	0.001					
Ni	60	0.108193	347.343	ug/L	0.001					
Ni	62	0.079069	83.335	ug/L	0.008					
Cu	63	0.176695	1113.413	ug/L	0.006					
Zn	64	0.870084	3260.356	ug/L	0.035					
Cu	65	0.173167	519.02	ug/L	0.003					
Zn	66	0.896643	1931.558	ug/L	0.051					
Zn	68	0.825261	1407.123	ug/L	0.063					
Ge	72	163660.057		ug/L						
As	75	0.11215	304.139	ug/L	0.077					
Se	74	535.507372	20988.32	mg/L	336.62					
ArCl	77	742.704		ug/L						

Br	79	1444.129	ug/L			
Br	81	20882.503	ug/L			
Y	89	459041.943	ug/L			
Mo	95	0.064949	540.688	ug/L	0.004	
Rh	103	430940.412	ug/L			
Ag	107	0.24723	3514.048	ug/L	0.011	
Ag	109	0.242743	3343.648	ug/L	0.001	
Cd	111	0.004115	34.667	ug/L	0.001	
Cd	114	0.001283	55.667	ug/L	0.001	
In	115	554043.823	ug/L			
Sb	121	0.359735	4863.35	ug/L	0.013	
Sb	123	0.356269	3674.641	ug/L	0.006	
Ba	137	0.005141	76.668	ug/L	0.001	
Ba	138	0.004206	430.88	ug/L	0.001	
Tb	159	731602.253	ug/L			
Ho	165	726654.729	ug/L			
Hg	200	0.003852	25	ug/L	0.003	
Hg	202	0.000995	26.667	ug/L	0.001	
Tl	205	-0.001628	381.012	ug/L	0.001	
Pb	208	0.009743	1144.373	ug/L	0.001	
Bi	209	518219.691	ug/L			
Se	77	0.866658	818.704	mg/L	0.179	
Se	78	-2.192241	13908.13	mg/L	0.314	
Se	82	0.243926	33.644	mg/L	0.093	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.013							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.259
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.763
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.464
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: BLK
Sample Date/Time Wednesday August 24 2011 19:21:04
Autosampl Position: 29
Sample Descriptior 19-Aug A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\BLK.18187
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12013.266		ug/L						
Be	9	0.004139	8.333	ug/L	0.001					
B	10	0.120563	115.669	ug/L	0.125					
B	11	0.316297	585.691	ug/L	0.03					
C	12	746483.67		ug/L						
Na	23	159.612092	1165214	ug/L	0.332					
Mg	24	1.100429	5959.218	ug/L	0.062					
Mg	25	1.185761	856.793	ug/L	0.013					
Al	27	1.061906	13027.32	ug/L	0.122					
Si	28	79567.959		ug/L						
P	31	-3.835667	16055.78	ug/L	1.681					
S	32	71014570.2		ug/L						
Cl	35	12319936.99		ug/L						
K	39	100.56877	1630422	ug/L	0.065					
Ca	44	15.948742	37333.57	ug/L	2.102					
Sc	45	173437.502		ug/L						
Ti	47	0.159281	321.342	ug/L	0.025					
Ti	48	0.313258	278.658	ug/L	0.001					
V	51	1.754913	51419.88	ug/L	0.119					
ClO	51	52857.118		ug/L						
Cr	52	-0.073525	7155.041	ug/L	0					
Cr	53	3.414176	14425.25	ug/L	0.474					
Fe	54	617.437985	506054.4	ug/L	3.079					
Mn	55	3.797529	53934.72	ug/L	0.029					
Fe	56	551.572328	9020747	ug/L	11.807					
Fe	57	573.513017	166908.2	ug/L	0.696					
Co	59	0.033804	446.015	ug/L	0.002					
Ni	60	0.254249	686.699	ug/L	0.007					
Ni	62	0.196428	124.002	ug/L	0.015					
Cu	63	0.244698	1440.795	ug/L	0					
Zn	64	0.732752	2870.24	ug/L	0.009					
Cu	65	0.249307	695.367	ug/L	0.007					
Zn	66	0.691907	1610.492	ug/L	0.023					
Zn	68	0.624345	1180.755	ug/L	0.026					
Ge	72	163824.309		ug/L						
As	75	0.137702	346.186	ug/L	0.021					
Se	74	172.536511	17532.43	mg/L	190.733					
ArCl	77	831.046		ug/L						

Br	79	3096.225	ug/L						
Br	81	22087.69	ug/L						
Y	89	446228.695	ug/L						
Mo	95	0.046036	459.683	ug/L	0.013				
Rh	103	430405.573	ug/L						
Ag	107	0.242397	3445.021	ug/L	0.005				
Ag	109	0.243455	3342.314	ug/L	0.002				
Cd	111	0.000719	24	ug/L	0.002				
Cd	114	0.00158	57.667	ug/L	0.001				
In	115	552432.753	ug/L						
Sb	121	0.279878	4057.279	ug/L	0.003				
Sb	123	0.287594	3141.012	ug/L	0.014				
Ba	137	0.015338	134.002	ug/L	0.002				
Ba	138	0.013389	761.239	ug/L	0				
Tb	159	739119.741	ug/L						
Ho	165	719557.248	ug/L						
Hg	200	0.004223	25.667	ug/L	0.003				
Hg	202	0.001676	28.667	ug/L	0.001				
Tl	205	-0.001601	378.012	ug/L	0.001				
Pb	208	0.008757	1089.036	ug/L	0.001				
Bi	209	530764.677	ug/L						
Se	77	1.173163	857.374	mg/L	0.493				
Se	78	-2.490328	13786.94	mg/L	0.03				
Se	82	0.382894	59.396	mg/L	0.243				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.901							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.356
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.479
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.512
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	Ag	LCS							
Sample	Date/Time	Wednesday	August	24	2011	19:27:44				
Autosampl	Position:	30								
Sample	Description	17-Aug	C							
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D	LCS.18188							
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11853.061		ug/L						
Be	9	0.005275	9	ug/L	0.004					
B	10	-0.027629	105.335	ug/L	0.006					
B	11	0.077843	497.019	ug/L	0.048					
C	12	669198.582		ug/L						
Na	23	-7.321148	22279.49	ug/L	0.015					
Mg	24	0.274238	2210.49	ug/L	0.009					
Mg	25	0.39197	353.376	ug/L	0.125					
Al	27	0.766218	11278.12	ug/L	0.028					
Si	28	71500.589		ug/L						
P	31	-7.178976	15287.75	ug/L	3.976					
S	32	70732503.66		ug/L						
Cl	35	8794233.843		ug/L						
K	39	-3.520895	694405.5	ug/L	0.327					
Ca	44	7.155666	35609.84	ug/L	1.646					
Sc	45	178173.091		ug/L						
Ti	47	0.010768	211.338	ug/L	0.012					
Ti	48	0.011233	-2204.18	ug/L	0.012					
V	51	0.338219	37965.18	ug/L	0.103					
ClO	51	38847.223		ug/L						
Cr	52	-0.135315	6802.328	ug/L	0.015					
Cr	53	1.089211	12365.53	ug/L	0.434					
Fe	54	-12.383607	98769.85	ug/L	0.537					
Mn	55	-0.054681	859.716	ug/L	0.001					
Fe	56	-43.841465	2244112	ug/L	34.892					
Fe	57	-1.05572	7787.447	ug/L	0.698					
Co	59	-0.002825	66.668	ug/L	0.001					
Ni	60	0.009448	108.335	ug/L	0.001					
Ni	62	0.000627	54.667	ug/L	0.014					
Cu	63	0.014873	261.673	ug/L	0.001					
Zn	64	0.448158	2266.814	ug/L	0.001					
Cu	65	0.014509	120.669	ug/L	0.003					
Zn	66	0.504458	1391.12	ug/L	0.013					
Zn	68	0.456448	1044.07	ug/L	0.037					
Ge	72	166785.591		ug/L						
As	75	0.086118	267.798	ug/L	0.02					
Se	74	133.443004	17463.48	mg/L	140.007					
ArCl	77	672.365		ug/L						

Br	79	1533.145	ug/L						
Br	81	20667.34	ug/L						
Y	89	458448.667	ug/L						
Mo	95	0.025848	380.012	ug/L	0.007				
Rh	103	437641.324	ug/L						
Ag	107	103.233248	1280534	ug/L	1.387				
Ag	109	103.073632	1237425	ug/L	0.309				
Cd	111	-0.000902	19.334	ug/L	0.001				
Cd	114	0.001208	56.001	ug/L	0.002				
In	115	563475.674	ug/L						
Sb	121	0.156592	2891.155	ug/L	0.011				
Sb	123	0.159012	2204.515	ug/L	0.006				
Ba	137	0.004395	73.668	ug/L	0.001				
Ba	138	0.002648	380.881	ug/L	0.001				
Tb	159	742894.518	ug/L						
Ho	165	732292.389	ug/L						
Hg	200	0.001432	19	ug/L	0.001				
Hg	202	0.001134	27.334	ug/L	0.001				
Tl	205	-0.001783	378.678	ug/L	0				
Pb	208	-0.000555	684.35	ug/L	0				
Bi	209	530683.72	ug/L						
Se	77	-0.486168	648.023	mg/L	0.717				
Se	78	-2.241095	13888.27	mg/L	0.435				
Se	82	0.447488	71.365	mg/L	0.108				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.547							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.097
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.427
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.22
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	Ag	LCS							
Sample	Date/Time	Wednesday	August	24	2011	19:34:22				
Autosampl	Position:	31								
Sample	Descriptior	19-Aug	A							
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D	LCS.18189							
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11626.096		ug/L						
Be	9	0.003416	8	ug/L	0.01					
B	10	0.10244	113.002	ug/L	0.061					
B	11	0.109343	492.685	ug/L	0.052					
C	12	665097.654		ug/L						
Na	23	-7.618632	19469.44	ug/L	0.021					
Mg	24	0.243094	1990.418	ug/L	0.031					
Mg	25	0.198475	216.691	ug/L	0.01					
Al	27	0.754153	10794.15	ug/L	0.01					
Si	28	71954.135		ug/L						
P	31	-1.661922	16666.94	ug/L	0.945					
S	32	71947116.74		ug/L						
Cl	35	8757138.663		ug/L						
K	39	-0.639497	695904.6	ug/L	1.011					
Ca	44	8.279878	34682.83	ug/L	0.084					
Sc	45	171846.375		ug/L						
Ti	47	0.007085	201.004	ug/L	0.005					
Ti	48	0.003566	-2186.75	ug/L	0.005					
V	51	0.457906	37827.6	ug/L	0.093					
ClO	51	38429.119		ug/L						
Cr	52	-0.096322	6894.196	ug/L	0.011					
Cr	53	1.551227	12396.91	ug/L	0.318					
Fe	54	-9.417767	97170.35	ug/L	2.719					
Mn	55	-0.052718	856.049	ug/L	0					
Fe	56	-35.250762	2261832	ug/L	36.162					
Fe	57	0.026011	7807.465	ug/L	0.172					
Co	59	-0.002918	63.334	ug/L	0.001					
Ni	60	0.006559	97.668	ug/L	0.002					
Ni	62	-0.009705	49.001	ug/L	0.007					
Cu	63	0.012392	239.672	ug/L	0.002					
Zn	64	0.268174	1770.409	ug/L	0.013					
Cu	65	0.019029	127.336	ug/L	0.006					
Zn	66	0.321553	1093.743	ug/L	0.012					
Zn	68	0.264319	820.379	ug/L	0.022					
Ge	72	161126.247		ug/L						
As	75	0.181718	410.325	ug/L	0.027					
Se	74	349.995751	18926.41	mg/L	11.504					
ArCl	77	649.363		ug/L						

Br	79	1461.465	ug/L						
Br	81	20779.604	ug/L						
Y	89	444853.631	ug/L						
Mo	95	0.019036	337.676	ug/L	0.009				
Rh	103	423203.997	ug/L						
Ag	107	106.736773	1287178	ug/L	1.335				
Ag	109	107.408955	1253631	ug/L	0.728				
Cd	111	0.000775	24	ug/L	0.002				
Cd	114	-0.000057	45.334	ug/L	0				
In	115	547813.922	ug/L						
Sb	121	0.134706	2595.397	ug/L	0.015				
Sb	123	0.136029	1969.295	ug/L	0.017				
Ba	137	0.003031	64.001	ug/L	0				
Ba	138	0.002617	369.216	ug/L	0.001				
Tb	159	719389.676	ug/L						
Ho	165	725162.459	ug/L						
Hg	200	0.004412	26.334	ug/L	0.004				
Hg	202	0.0001	23.667	ug/L	0.001				
Tl	205	-0.0033	325.676	ug/L	0				
Pb	208	-0.001157	650.349	ug/L	0				
Bi	209	516469.521	ug/L						
Se	77	-0.369912	662.691	mg/L	0.314				
Se	78	-2.700331	13701.56	mg/L	0.025				
Se	82	0.336234	50.749	mg/L	0.126				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.012							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	94.769
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	96.664
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	97.264
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: LCS
Sample Date/Time Wednesday August 24 2011 19:41:02
Autosampl Position: 32
Sample Descriptior 17-Aug C
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LCS.18190
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11472.57		ug/L						
Be	9	1080.282018	393246.6	ug/L	6.729					
B	10	0.402142	136.669	ug/L	0.024					
B	11	0.210338	525.687	ug/L	0.005					
C	12	1809009.568		ug/L						
Na	23	11447.83688	76346639	ug/L	155.732					
Mg	24	11573.10413	51862691	ug/L	234.431					
Mg	25	11401.15557	7166793	ug/L	107.534					
Al	27	11480.16207	77294983	ug/L	198.6					
Si	28	96906.75		ug/L						
P	31	10464.3552	3586757	ug/L	234.912					
S	32	74123058.67		ug/L						
Cl	35	10392279.46		ug/L						
K	39	11428.59999	1.03E+08	ug/L	175.744					
Ca	44	11006.20239	3286665	ug/L	170.309					
Sc	45	168694.799		ug/L						
Ti	47	22.178081	16991.7	ug/L	0.166					
Ti	48	11.326358	86245.85	ug/L	0.222					
V	51	1026.779236	10229787	ug/L	6.74					
ClO	51	10350085.52		ug/L						
Cr	52	1000.656619	8406139	ug/L	5.649					
Cr	53	978.065596	988067.4	ug/L	2.959					
Fe	54	11218.54235	7203405	ug/L	503.258					
Mn	55	1017.282558	13640523	ug/L	14.431					
Fe	56	11359.22253	1.29E+08	ug/L	85.075					
Fe	57	11451.88557	3096437	ug/L	98.062					
Co	59	994.294943	10063996	ug/L	9.562					
Ni	60	907.100685	2095191	ug/L	9.383					
Ni	62	908.799856	319773.7	ug/L	2.634					
Cu	63	941.209084	4724652	ug/L	5.502					
Zn	64	984.248671	2233359	ug/L	12.748					
Cu	65	934.490278	2237553	ug/L	3.008					
Zn	66	988.528903	1316331	ug/L	13.396					
Zn	68	980.9166	935034.6	ug/L	3.116					
Ge	72	158347.155		ug/L						
As	75	1067.97462	1671856	ug/L	8.947					
Se	74	1410.840519	28437.45	mg/L	63.924					
ArCl	77	129796.994		ug/L						

Br	79	4518.502	ug/L						
Br	81	22587.92	ug/L						
Y	89	431926.804	ug/L						
Mo	95	1072.352357	4461215	ug/L	16.482				
Rh	103	401026.745	ug/L						
Ag	107	57.212594	657165	ug/L	0.257				
Ag	109	55.734113	619562.6	ug/L	0.42				
Cd	111	1041.562395	3058310	ug/L	1.931				
Cd	114	1049.182832	7225547	ug/L	9.949				
In	115	521578.684	ug/L						
Sb	121	1180.704817	11054639	ug/L	18.764				
Sb	123	1162.563505	8361753	ug/L	9.989				
Ba	137	1038.82406	5534683	ug/L	13.12				
Ba	138	1038.397207	35406466	ug/L	0.624				
Tb	159	723144.662	ug/L						
Ho	165	705597.316	ug/L						
Hg	200	1.047441	2575.057	ug/L	0				
Hg	202	1.049716	3398.336	ug/L	0.025				
Tl	205	1040.529019	32973594	ug/L	34.618				
Pb	208	1014.764648	44546460	ug/L	16.65				
Bi	209	487838.207	ug/L						
Se	77	1011.351789	128307.2	mg/L	17.006				
Se	78	997.923126	420526.9	mg/L	6.123				
Se	82	989.871666	183414.8	mg/L	12.834				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.252							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.134
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.035
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.64
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LCS
Sample Date/Time Wednesday August 24 2011 19:47:42
Autosampl Position: 33
Sample Descriptior 19-Aug A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LCS.18191
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11355.093		ug/L						
Be	9	1024.141995	373061.9	ug/L	10.142					
B	10	1.044182	192.004	ug/L	0.169					
B	11	0.72886	741.704	ug/L	0.075					
C	12	1708853.596		ug/L						
Na	23	11641.92628	77690966	ug/L	143.36					
Mg	24	11589.11098	51969196	ug/L	20.519					
Mg	25	11419.16197	7183017	ug/L	36.638					
Al	27	11581.67139	78031819	ug/L	89.898					
Si	28	95643.336		ug/L						
P	31	10190.31636	3495584	ug/L	62.049					
S	32	75424018.65		ug/L						
Cl	35	10869487.74		ug/L						
K	39	11510.2078	1.03E+08	ug/L	51.679					
Ca	44	11294.46487	3374194	ug/L	147.909					
Sc	45	168810.251		ug/L						
Ti	47	22.675501	17380.44	ug/L	0.017					
Ti	48	10.274331	78084.73	ug/L	0.073					
V	51	982.489819	9796409	ug/L	13.228					
ClO	51	10099958.89		ug/L						
Cr	52	970.145758	8155714	ug/L	8.609					
Cr	53	952.549917	963212.9	ug/L	10.71					
Fe	54	11436.50773	7346022	ug/L	214.65					
Mn	55	973.610486	13063658	ug/L	8.516					
Fe	56	11126.02875	1.27E+08	ug/L	210.118					
Fe	57	11526.12375	3118562	ug/L	38.782					
Co	59	958.53519	9708680	ug/L	4.388					
Ni	60	874.064301	2020244	ug/L	3.996					
Ni	62	877.589392	309003.5	ug/L	1.76					
Cu	63	906.468619	4553347	ug/L	7.195					
Zn	64	955.291645	2169136	ug/L	15.32					
Cu	65	900.896444	2158614	ug/L	4.349					
Zn	66	945.522765	1259966	ug/L	0.921					
Zn	68	946.114157	902492	ug/L	4.833					
Ge	72	161565.041		ug/L						
As	75	1002.916535	1601236	ug/L	28.169					
Se	74	1365.235287	28566.81	mg/L	113					
ArCl	77	125609.403		ug/L						

Br	79	4675.583	ug/L						
Br	81	23409.344	ug/L						
Y	89	427798.799	ug/L						
Mo	95	1014.960386	4304497	ug/L	56.639				
Rh	103	397322.228	ug/L						
Ag	107	51.5011	607605.8	ug/L	0.412				
Ag	109	51.88907	592439.8	ug/L	0.537				
Cd	111	966.076207	2913400	ug/L	6.959				
Cd	114	988.523458	6992178	ug/L	5.33				
In	115	535705.991	ug/L						
Sb	121	1094.073847	10521411	ug/L	19.594				
Sb	123	1092.803766	8073330	ug/L	18.738				
Ba	137	965.05129	5280746	ug/L	0.422				
Ba	138	992.731823	34767290	ug/L	7.884				
Tb	159	723463.977	ug/L						
Ho	165	713655.159	ug/L						
Hg	200	1.041081	2588.728	ug/L	0.005				
Hg	202	1.050663	3440.018	ug/L	0.007				
Tl	205	983.498507	31524763	ug/L	4.796				
Pb	208	965.456476	42867228	ug/L	4.272				
Bi	209	488384.838	ug/L						
Se	77	961.852411	122062.1	mg/L	16.662				
Se	78	979.779384	413150.2	mg/L	5.866				
Se	82	947.655056	175591.9	mg/L	6.435				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.316							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.027
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.527
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.72
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 19:54:22
Autosampl Position: 34
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18192
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11169.524		ug/L						
Be	9	0.069479	32	ug/L	0.007					
B	10	0.185665	118.335	ug/L	0.282					
B	11	0.247561	543.355	ug/L	0.02					
C	12	507680.15		ug/L						
Na	23	18.820769	196047.5	ug/L	0.795					
Mg	24	1.691087	8478.133	ug/L	0.011					
Mg	25	1.576617	1083.506	ug/L	0.009					
Al	27	3.331074	28052.69	ug/L	0.16					
Si	28	70264.167		ug/L						
P	31	-1.310637	16546.7	ug/L	0.827					
S	32	71400253.03		ug/L						
Cl	35	8644468.972		ug/L						
K	39	5.145921	737702	ug/L	1.912					
Ca	44	17.976103	37075.87	ug/L	2.291					
Sc	45	169404.069		ug/L						
Ti	47	0.04775	229.005	ug/L	0.012					
Ti	48	0.022158	-2009.89	ug/L	0.001					
V	51	0.523876	37950.1	ug/L	0.009					
ClO	51	39312.901		ug/L						
Cr	52	-0.046152	7216.979	ug/L	0.031					
Cr	53	1.478111	12147.9	ug/L	0.054					
Fe	54	-1.295074	100911.8	ug/L	7.965					
Mn	55	0.07029	2498.702	ug/L	0.01					
Fe	56	-35.926714	2218996	ug/L	42.87					
Fe	57	6.518671	9445.868	ug/L	3.714					
Co	59	0.058672	688.033	ug/L	0.005					
Ni	60	0.125384	371.678	ug/L	0.01					
Ni	62	0.124372	95.668	ug/L	0.004					
Cu	63	0.293797	1654.167	ug/L	0.013					
Zn	64	9.484763	22732.86	ug/L	0.157					
Cu	65	0.300072	801.377	ug/L	0.003					
Zn	66	9.831438	13785.92	ug/L	0.222					
Zn	68	9.555906	9696.265	ug/L	0.168					
Ge	72	161041.892		ug/L						
As	75	0.500598	918.355	ug/L	0.049					
Se	74	510.306919	20419.73	mg/L	326.919					
ArCl	77	741.038		ug/L						

Br	79	1606.825	ug/L						
Br	81	20152.848	ug/L						
Y	89	442116.916	ug/L						
Mo	95	2.298814	9984.593	ug/L	0.151				
Rh	103	425869.982	ug/L						
Ag	107	0.510771	6658.843	ug/L	0.021				
Ag	109	0.502187	6340.613	ug/L	0.026				
Cd	111	0.059049	204.338	ug/L	0.013				
Cd	114	0.061207	490.018	ug/L	0.014				
In	115	548150.923	ug/L						
Sb	121	6.45659	64660.99	ug/L	1.079				
Sb	123	6.461592	49678.69	ug/L	1.064				
Ba	137	0.084203	518.687	ug/L	0.002				
Ba	138	0.080499	3159.848	ug/L	0.001				
Tb	159	722668.381	ug/L						
Ho	165	705867.745	ug/L						
Hg	200	0.013175	47.001	ug/L	0.003				
Hg	202	0.013551	66.334	ug/L	0.001				
Tl	205	0.234927	7872.161	ug/L	0.015				
Pb	208	0.150385	7285.227	ug/L	0.012				
Bi	209	504309.468	ug/L						
Se	77	-0.147965	690.693	mg/L	0.209				
Se	78	-3.148195	13519.47	mg/L	0.918				
Se	82	0.83207	142.629	mg/L	0.263				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.648							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.719
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.723
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.676
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 20:01:03
Autosampl Position: 35
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18193
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10997.316		ug/L						
Be	9	0.025258	15.667	ug/L	0					
B	10	-0.033734	98.335	ug/L	0.071					
B	11	-0.08001	401.68	ug/L	0.024					
C	12	483069.791		ug/L						
Na	23	-4.137278	41967.52	ug/L	0.04					
Mg	24	0.590306	3481.014	ug/L	0.007					
Mg	25	0.652617	493.396	ug/L	0.098					
Al	27	5.818963	44315.51	ug/L	0.252					
Si	28	64937.651		ug/L						
P	31	-5.604347	14880.34	ug/L	3.288					
S	32	68746524.92		ug/L						
Cl	35	7937538.178		ug/L						
K	39	4.13125	719677.8	ug/L	2.183					
Ca	44	21.607972	37664.96	ug/L	5.198					
Sc	45	167352.235		ug/L						
Ti	47	0.003787	193.337	ug/L	0.005					
Ti	48	-0.02177	-2324.74	ug/L	0.009					
V	51	0.366931	35938.26	ug/L	0.05					
ClO	51	36447.629		ug/L						
Cr	52	-0.090594	6758.238	ug/L	0.032					
Cr	53	0.984314	11510.73	ug/L	0.07					
Fe	54	-5.999136	96730.71	ug/L	5.849					
Mn	55	-0.01708	1307.44	ug/L	0.001					
Fe	56	-62.412872	1902351	ug/L	5.233					
Fe	57	-0.657729	7417.099	ug/L	0.912					
Co	59	0.010401	195.337	ug/L	0.001					
Ni	60	0.061673	221.672	ug/L	0.008					
Ni	62	0.029612	61.334	ug/L	0.024					
Cu	63	0.14023	869.384	ug/L	0.009					
Zn	64	1.7998	5168.697	ug/L	0.049					
Cu	65	0.148901	432.681	ug/L	0.004					
Zn	66	1.916869	3170.585	ug/L	0.05					
Zn	68	1.821754	2270.306	ug/L	0.045					
Ge	72	157142.527		ug/L						
As	75	0.236366	485.447	ug/L	0.006					
Se	74	120.058967	16337.66	mg/L	249.24					
ArCl	77	628.361		ug/L						

Br	79	1709.178	ug/L						
Br	81	19761.319	ug/L						
Y	89	434221.646	ug/L						
Mo	95	0.620857	2814.13	ug/L	0.006				
Rh	103	417184.318	ug/L						
Ag	107	0.224523	3101.227	ug/L	0.001				
Ag	109	0.22331	2983.519	ug/L	0.003				
Cd	111	0.013429	61.001	ug/L	0.002				
Cd	114	0.013038	135.669	ug/L	0.001				
In	115	530806.253	ug/L						
Sb	121	1.798136	18358.37	ug/L	0.07				
Sb	123	1.824575	14263.23	ug/L	0.073				
Ba	137	0.023273	171.67	ug/L	0.003				
Ba	138	0.024609	1121.217	ug/L	0.002				
Tb	159	712867.477	ug/L						
Ho	165	695470.447	ug/L						
Hg	200	0.007362	32.334	ug/L	0.004				
Hg	202	0.002405	30	ug/L	0.002				
Tl	205	0.063668	2404.342	ug/L	0.003				
Pb	208	0.052334	2938.549	ug/L	0.004				
Bi	209	505032.265	ug/L						
Se	77	-0.760959	613.354	mg/L	0.448				
Se	78	-4.840583	12831.39	mg/L	0.274				
Se	82	0.04351	-3.493	mg/L	0.26				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.502							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.426
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.663
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.281
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 20:07:44
Autosampl Position: 36
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18194
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11987.901		ug/L						
Be	9	0.012548	11.667	ug/L	0.011					
B	10	-0.357557	74.668	ug/L	0.016					
B	11	-0.229474	358.677	ug/L	0.035					
C	12	413176.79		ug/L						
Na	23	-7.333824	21975.4	ug/L	0.078					
Mg	24	0.071775	1240.209	ug/L	0.01					
Mg	25	0.184568	213.357	ug/L	0.016					
Al	27	0.499205	9289.005	ug/L	0.004					
Si	28	56792.507		ug/L						
P	31	-4.081983	16252.84	ug/L	2.708					
S	32	71077891.27		ug/L						
Cl	35	7654802.771		ug/L						
K	39	-2.078063	701192	ug/L	0.634					
Ca	44	0.752102	33284.14	ug/L	1.587					
Sc	45	176462.887		ug/L						
Ti	47	-0.009893	193.004	ug/L	0.017					
Ti	48	-0.01086	-2363.06	ug/L	0.005					
V	51	0.043485	34543.19	ug/L	0.045					
ClO	51	35192.024		ug/L						
Cr	52	-0.161023	6511.787	ug/L	0.004					
Cr	53	0.155496	11272.1	ug/L	0.044					
Fe	54	-18.652654	93674.45	ug/L	1.544					
Mn	55	-0.047536	951.726	ug/L	0					
Fe	56	-70.081078	1917093	ug/L	3.266					
Fe	57	-0.716828	7807.465	ug/L	0.382					
Co	59	0.002334	120.669	ug/L	0					
Ni	60	0.006024	99.002	ug/L	0.002					
Ni	62	0.005703	56.001	ug/L	0.004					
Cu	63	0.048883	437.682	ug/L	0.005					
Zn	64	0.283355	1854.046	ug/L	0.005					
Cu	65	0.054776	220.338	ug/L	0					
Zn	66	0.321102	1122.414	ug/L	0.006					
Zn	68	0.304001	882.052	ug/L	0.006					
Ge	72	165038.016		ug/L						
As	75	0.118631	318.328	ug/L	0.06					
Se	74	342.15348	19287.97	mg/L	385.938					
ArCl	77	635.029		ug/L						

Br	79	1387.786	ug/L						
Br	81	19613.332	ug/L						
Y	89	457838.475	ug/L						
Mo	95	0.258902	1386.453	ug/L	0.009				
Rh	103	429291.657	ug/L						
Ag	107	0.107547	1800.863	ug/L	0.003				
Ag	109	0.111195	1781.526	ug/L	0.002				
Cd	111	0.00708	43.667	ug/L	0.001				
Cd	114	0.004258	77.001	ug/L	0.001				
In	115	550974.818	ug/L						
Sb	121	0.735515	8552.44	ug/L	0.006				
Sb	123	0.756909	6697.898	ug/L	0.007				
Ba	137	0.008354	94.335	ug/L	0.001				
Ba	138	0.008225	573.233	ug/L	0				
Tb	159	736271.111	ug/L						
Ho	165	727050.71	ug/L						
Hg	200	0.005711	29.667	ug/L	0				
Hg	202	-0.000035	23.334	ug/L	0.004				
Tl	205	0.028607	1368.45	ug/L	0				
Pb	208	0.010627	1185.041	ug/L	0				
Bi	209	540890.865	ug/L						
Se	77	-0.443894	653.357	mg/L	0.12				
Se	78	-3.823847	13244.77	mg/L	0.861				
Se	82	0.595169	98.731	mg/L	0.19				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.592							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.069
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.222
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.517
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	1						
Sample	Date/Time	Wednesday	August	24	2011	20:14:25				
Autosampl	Position:	5								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	1.18195						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11995.91		ug/L						
Be	9	0.009837	10.667	ug/L	0.005					
B	10	-0.333076	77.001	ug/L	0.027					
B	11	-0.178989	381.345	ug/L	0.016					
C	12	456355.039		ug/L						
Na	23	-7.702902	19439.37	ug/L	0.026					
Mg	24	0.097541	1363.572	ug/L	0.015					
Mg	25	0.163709	200.022	ug/L	0.043					
Al	27	0.205973	7236.944	ug/L	0.077					
Si	28	60842.317		ug/L						
P	31	-5.679446	15708.61	ug/L	6.527					
S	32	72980401.33		ug/L						
Cl	35	7804475.366		ug/L						
K	39	-2.937473	694430.8	ug/L	0.195					
Ca	44	-0.264205	33029.88	ug/L	2.596					
Sc	45	176778.23		ug/L						
Ti	47	-0.008168	194.671	ug/L	0.032					
Ti	48	-0.003959	-2310.93	ug/L	0.005					
V	51	-0.008486	34062.39	ug/L	0.085					
ClO	51	34651.943		ug/L						
Cr	52	-0.14212	6689.579	ug/L	0.004					
Cr	53	0.006724	11136.26	ug/L	0.132					
Fe	54	-13.592337	97196.78	ug/L	5.531					
Mn	55	-0.046968	961.394	ug/L	0					
Fe	56	-67.392085	1952097	ug/L	1.088					
Fe	57	-1.723069	7537.214	ug/L	1.451					
Co	59	0.000805	104.668	ug/L	0					
Ni	60	-0.007276	67.001	ug/L	0.001					
Ni	62	-0.022588	45.667	ug/L	0.006					
Cu	63	0.036551	373.678	ug/L	0.005					
Zn	64	0.058956	1324.077	ug/L	0.006					
Cu	65	0.041197	186.67	ug/L	0.011					
Zn	66	0.068204	771.707	ug/L	0.031					
Zn	68	0.062005	642.029	ug/L	0.026					
Ge	72	164777.432		ug/L						
As	75	0.150463	369.067	ug/L	0.004					
Se	74	598.56329	21715.38	mg/L	505.613					
ArCl	77	610.693		ug/L						

Br	79	1990.238	ug/L						
Br	81	20679.372	ug/L						
Y	89	460622.522	ug/L						
Mo	95	0.184991	1064.073	ug/L	0.001				
Rh	103	440821.724	ug/L						
Ag	107	0.113939	1911.89	ug/L	0.026				
Ag	109	0.116729	1879.215	ug/L	0.023				
Cd	111	0.004836	37.334	ug/L	0				
Cd	114	0.004223	78.001	ug/L	0.001				
In	115	560247.041	ug/L						
Sb	121	0.525272	6583.117	ug/L	0.014				
Sb	123	0.533833	5088.671	ug/L	0.025				
Ba	137	0.009072	100.002	ug/L	0.001				
Ba	138	0.006276	511.58	ug/L	0				
Tb	159	769492.761	ug/L						
Ho	165	745821.689	ug/L						
Hg	200	0.002712	22.667	ug/L	0.001				
Hg	202	-0.000578	22	ug/L	0.001				
Tl	205	0.019296	1091.077	ug/L	0.003				
Pb	208	0.013611	1354.386	ug/L	0.001				
Bi	209	547745.543	ug/L						
Se	77	-1.130867	566.684	mg/L	0.523				
Se	78	-4.146131	13113.74	mg/L	0.39				
Se	82	0.047952	-2.67	mg/L	0.076				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.768							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.916
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.858
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.035
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Wednesday August 24 2011 20:21:35
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 2.18196
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11606.071		ug/L						
Be	9	101.047053	38435.47	ug/L	4.597					
B	10	98.439014	8942.487	ug/L	6.513					
B	11	96.011235	42151.59	ug/L	2.795					
C	12	470853.444		ug/L						
Na	23	92.116675	714250.6	ug/L	4.486					
Mg	24	101.22998	475039.7	ug/L	2.128					
Mg	25	101.966801	67043.03	ug/L	5.648					
Al	27	102.295834	725247.4	ug/L	4.88					
Si	28	229534.304		ug/L						
P	31	-5.587497	15665.13	ug/L	6.324					
S	32	72344312.49		ug/L						
Cl	35	7827544.508		ug/L						
K	39	996.064648	9996454	ug/L	75.548					
Ca	44	98.233344	63369.75	ug/L	8.315					
Sc	45	176387.85		ug/L						
Ti	47	97.774031	77611.36	ug/L	2.114					
Ti	48	99.225558	807116.3	ug/L	3.638					
V	51	97.042212	1041162	ug/L	3.238					
ClO	51	1047744.881		ug/L						
Cr	52	97.963126	867120.7	ug/L	3.162					
Cr	53	97.031273	112424.7	ug/L	3.812					
Fe	54	95.678595	169249	ug/L	5.014					
Mn	55	96.880956	1358840	ug/L	3.576					
Fe	56	73.637005	3593023	ug/L	5.526					
Fe	57	101.516801	36610.56	ug/L	4.982					
Co	59	97.448173	1031064	ug/L	1.844					
Ni	60	92.684367	223790.6	ug/L	2.872					
Ni	62	91.553268	33713.74	ug/L	2.698					
Cu	63	96.957465	508870.3	ug/L	2.03					
Zn	64	94.537871	225259.9	ug/L	2.516					
Cu	65	97.258993	243464	ug/L	2.397					
Zn	66	94.159956	131642.3	ug/L	2.832					
Zn	68	94.345357	94497.54	ug/L	3.288					
Ge	72	162867.298		ug/L						
As	75	109.379726	176227.3	ug/L	0.433					
Se	74	425.656831	19851.89	mg/L	54.45					
ArCl	77	13204.047		ug/L						

Br	79	1727.849	ug/L		
Br	81	21079.323	ug/L		
Y	89	442590.793	ug/L		
Mo	95	99.523582	426087.8	ug/L	0.929
Rh	103	427599.194	ug/L		
Ag	107	58.774122	706801.3	ug/L	2.778
Ag	109	57.763952	672484	ug/L	1.269
Cd	111	104.351526	320983.1	ug/L	0.715
Cd	114	104.214629	751822.7	ug/L	0.892
In	115	546412.167	ug/L		
Sb	121	98.334819	964796	ug/L	6.852
Sb	123	99.254379	748009.2	ug/L	7.493
Ba	137	104.724052	584468.7	ug/L	1.035
Ba	138	101.885443	3638787	ug/L	1.932
Tb	159	733852.403	ug/L		
Ho	165	729657.892	ug/L		
Hg	200	1.056937	2685.757	ug/L	0.042
Hg	202	1.048703	3509.379	ug/L	0.037
Tl	205	104.602243	3428030	ug/L	1.203
Pb	208	103.296917	4689489	ug/L	1.061
Bi	209	547301.165	ug/L		
Se	77	96.961253	12942.54	mg/L	2.125
Se	78	97.590949	54477.17	mg/L	0.617
Se	82	98.064238	18160.06	mg/L	1.126

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	100.047							
|	B	98.145							
|	B	95.724							
|	C								
|	Na	90.935							
|	Mg	100.228							
|	Mg	100.957							
|	Al	101.888							
|	Si								
|	P								
|	S								
|	Cl								
|	K	99.309							
|	Ca	97.357							
|>	Sc	98.55							
|	Ti	97.774							
|	Ti	99.226							
|	V	96.656							
|	ClO								
|	Cr	96.993							

	Cr	96.071
	Fe	95.108
	Mn	96.495
	Fe	73.198
	Fe	100.911
	Co	96.867
	Ni	91.949
	Ni	90.827
	Cu	97.055
	Zn	93.881
	Cu	97.356
	Zn	93.505
|-	Zn	93.69
|>	Ge	95.793
	As	110.04
	Se	424.807
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	99.226
|-	Rh	
	Ag	58.308
	Ag	57.306
	Cd	103.832
	Cd	103.696
|>	In	96.417
	Sb	98.041
	Sb	98.958
	Ba	103.996
|-	Ba	101.177
|-	Tb	
|>	Ho	97.867
	Hg	105.694
	Hg	104.87
	Tl	104.602
	Pb	103.297
|-	Bi	
	Se	96.768
	Se	97.396
	Se	97.869

Sample ID: QC Std 5
Sample Date/Time Wednesday August 24 2011 20:28:44
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 5.18197
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12541.981		ug/L						
Be	9	43.125285	16642.72	ug/L	1.185					
B	10	158.952386	14589.51	ug/L	1.542					
B	11	154.413194	68482.07	ug/L	1.07					
C	12	472365.19		ug/L						
Na	23	-4.650489	41210.64	ug/L	0.159					
Mg	24	0.209883	1910.392	ug/L	0.038					
Mg	25	0.276686	276.699	ug/L	0.091					
Al	27	171.077036	1226245	ug/L	5.869					
Si	28	118215.443		ug/L						
P	31	-1.962902	17218.02	ug/L	3.102					
S	32	69938112.16		ug/L						
Cl	35	7300368.47		ug/L						
K	39	-3.915164	692918.3	ug/L	2.596					
Ca	44	-2.556333	32681.9	ug/L	3.181					
Sc	45	178845.603		ug/L						
Ti	47	0.039112	234.672	ug/L	0.02					
Ti	48	0.063198	-1783.35	ug/L	0.009					
V	51	23.390217	280659.6	ug/L	0.969					
ClO	51	284446.561		ug/L						
Cr	52	46.909168	425095.9	ug/L	2.39					
Cr	53	45.736518	59684.55	ug/L	1.961					
Fe	54	162.889174	216663.1	ug/L	10.613					
Mn	55	100.701563	1432130	ug/L	3.875					
Fe	56	147.397356	4513893	ug/L	18.557					
Fe	57	169.940545	56655.06	ug/L	12.584					
Co	59	22.849756	245144.4	ug/L	0.871					
Ni	60	183.529417	449216.4	ug/L	6.89					
Ni	62	180.30024	67258.9	ug/L	7.332					
Cu	63	72.729211	387036.6	ug/L	2.207					
Zn	64	94.334765	227910.1	ug/L	2.89					
Cu	65	73.802508	187311.6	ug/L	2.815					
Zn	66	95.369245	135192.2	ug/L	2.831					
Zn	68	98.047508	99552.46	ug/L	3.825					
Ge	72	163091.299		ug/L						
As	75	45.323515	73194.76	ug/L	0.079					
Se	74	547.464321	21035.64	mg/L	189.901					
ArCl	77	20390.047		ug/L						

Br	79	1650.834	ug/L		
Br	81	20114.095	ug/L		
Y	89	456552.793	ug/L		
Mo	95	42.287815	181423.8	ug/L	1.368
Rh	103	435583.266	ug/L		
Ag	107	49.246694	608444.2	ug/L	1.899
Ag	109	49.755556	594877.9	ug/L	2.122
Cd	111	23.031725	72767.46	ug/L	0.596
Cd	114	23.031078	170680.5	ug/L	0.369
In	115	561247.58	ug/L		
Sb	121	51.603454	521055	ug/L	0.505
Sb	123	51.393938	398615.2	ug/L	0.638
Ba	137	139.490341	799470.5	ug/L	3.338
Ba	138	138.0662	5064225	ug/L	3.601
Tb	159	751745.363	ug/L		
Ho	165	742393.318	ug/L		
Hg	200	1.026088	2654.414	ug/L	0.009
Hg	202	1.002623	3416.009	ug/L	0.014
Tl	205	14.339078	478561.8	ug/L	0.041
Pb	208	102.825058	4750070	ug/L	0.444
Bi	209	549578.025	ug/L		
Se	77	155.266308	20298.64	mg/L	1.543
Se	78	157.410208	78798	mg/L	3.07
Se	82	154.587337	28633.96	mg/L	0.551

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	101.233							
|	B	99.345							
|	B	96.508							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	97.203							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.923							
|	Ti								
|	Ti								
|	V	93.937							
|	ClO								
|	Cr	95.344							

|	Cr	92.96
|	Fe	91
|	Mn	95.001
|	Fe	82.345
|	Fe	94.939
|	Co	98.068
|	Ni	89.965
|	Ni	88.382
|	Cu	93.004
|	Zn	89.843
|	Cu	94.377
|	Zn	90.828
|-	Zn	93.379
|>	Ge	95.924
|	As	115.034
|	Se	342.165
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	100.926
|-	Rh	
|	Ag	97.906
|	Ag	98.918
|	Cd	99.275
|	Cd	99.272
|>	In	99.034
|	Sb	110.975
|	Sb	110.525
|	Ba	98.929
|-	Ba	97.919
|-	Tb	
|>	Ho	99.575
|	Hg	102.609
|	Hg	100.262
|	Tl	100.979
|	Pb	98.87
|-	Bi	
	Se	97.041
	Se	98.381
	Se	96.617

Sample ID: QC Std 6
Sample Date/Time Wednesday August 24 2011 20:35:53
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 6.18198
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10771.714		ug/L						
Be	9	0.006897	9.333	ug/L	0.007					
B	10	0.166124	119.002	ug/L	0.066					
B	11	0.502841	661.697	ug/L	0.108					
C	12	453901.876		ug/L						
Na	23	10164.80302	69352280	ug/L	215.107					
Mg	24	10303.3683	47231027	ug/L	213.038					
Mg	25	10394.08845	6682698	ug/L	4.939					
Al	27	10412.56302	71711276	ug/L	142.022					
Si	28	63980.731		ug/L						
P	31	9936.283645	3484432	ug/L	91.742					
S	32	69512134.12		ug/L						
Cl	35	1784783.313		ug/L						
K	39	10074.97137	92612618	ug/L	28.216					
Ca	44	9825.530257	3004015	ug/L	241.209					
Sc	45	172540.772		ug/L						
Ti	47	22.611266	17711.42	ug/L	0.68					
Ti	48	8.987308	69574.39	ug/L	0.773					
V	51	-1.253796	20595.84	ug/L	0.014					
ClO	51	21033.515		ug/L						
Cr	52	-0.04837	7333.221	ug/L	0.014					
Cr	53	-4.07727	6694.531	ug/L	0.055					
Fe	54	10069.73668	6623661	ug/L	12.996					
Mn	55	0.038867	2116.268	ug/L	0.01					
Fe	56	10189.56451	1.19E+08	ug/L	363.195					
Fe	57	10341.07016	2860419	ug/L	90.748					
Co	59	0.032433	429.348	ug/L	0.004					
Ni	60	0.266103	711.035	ug/L	0.011					
Ni	62	0.046095	69.334	ug/L	0.021					
Cu	63	0.237893	1398.455	ug/L	0.001					
Zn	64	0.686263	2747.008	ug/L	0.033					
Cu	65	0.141024	426.681	ug/L	0.002					
Zn	66	0.619663	1503.806	ug/L	0.014					
Zn	68	0.563416	1115.08	ug/L	0.019					
Ge	72	160969.258		ug/L						
As	75	0.22863	485.004	ug/L	0.001					
Se	74	-127.913394	14289.09	mg/L	777.234					
ArCl	77	364.011		ug/L						

Br	79	1145.417	ug/L		
Br	81	19125.321	ug/L		
Y	89	432733.753	ug/L		
Mo	95	0.280677	1446.464	ug/L	0.036
Rh	103	405363.134	ug/L		
Ag	107	0.251269	3398.675	ug/L	0.042
Ag	109	0.246998	3237.28	ug/L	0.037
Cd	111	0.017765	73.668	ug/L	0.005
Cd	114	0.0155	152.336	ug/L	0
In	115	528631.718	ug/L		
Sb	121	1.012233	10828.26	ug/L	0.134
Sb	123	1.041156	8496.008	ug/L	0.136
Ba	137	0.058822	363.011	ug/L	0
Ba	138	0.057237	2243.504	ug/L	0.003
Tb	159	709795.168	ug/L		
Ho	165	710005.661	ug/L		
Hg	200	0.016845	56.334	ug/L	0.002
Hg	202	0.014358	69.334	ug/L	0.002
Tl	205	0.015402	915.055	ug/L	0.002
Pb	208	0.049906	2892.875	ug/L	0.004
Bi	209	480192.131	ug/L		
Se	77	-2.758441	361.341	mg/L	0.164
Se	78	-3.455243	13394.63	mg/L	0.028
Se	82	0.318469	47.457	mg/L	0.041

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	101.648							
|	Mg	103.034							
|	Mg	103.941							
|	Al	104.126							
|	Si								
|	P	99.363							
|	S								
|	Cl								
|	K	100.75							
|	Ca	98.255							
|>	Sc	96.4							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	100.697
|	Mn	
|	Fe	101.896
|	Fe	103.411
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	94.676
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	93.279
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	95.231
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.01
Sample Date/Time Wednesday August 24 2011 20:43:03
Autosampl Position: 37
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.01.18199
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9647.793		ug/L						
Be	9	0.006797	12	ug/L	0.012					
B	10	144.448255	16538.2	ug/L	1.08					
B	11	144.787995	80071.57	ug/L	0.771					
C	12	693202.822		ug/L						
Na	23	58196.01373	5.12E+08	ug/L	1313.979					
Mg	24	18305.52621	1.08E+08	ug/L	331.558					
Mg	25	18166.13682	15087455	ug/L	15.987					
Al	27	8.729333	84940.1	ug/L	0.001					
Si	28	47303754.5		ug/L						
P	31	223.597879	123147.4	ug/L	1.628					
S	32	77640255.8		ug/L						
Cl	35	10388634.54		ug/L						
K	39	15648.74216	1.85E+08	ug/L	34.463					
Ca	44	43666.79676	17104944	ug/L	63.907					
Sc	45	222885.909		ug/L						
Ti	47	2.887934	3143.575	ug/L	0.155					
Ti	48	32.395211	331158.3	ug/L	3.858					
V	51	-0.404917	37739.66	ug/L	0.166					
ClO	51	39071.935		ug/L						
Cr	52	0.995146	21044.1	ug/L	0.057					
Cr	53	-0.216782	13744.19	ug/L	0.474					
Fe	54	29494.58061	24803934	ug/L	290.798					
Mn	55	1103.781806	19554934	ug/L	10.391					
Fe	56	29435.08773	4.38E+08	ug/L	247.275					
Fe	57	30270.74856	10797487	ug/L	105.153					
Co	59	2.112698	28374.83	ug/L	0.004					
Ni	60	10.397916	31835.97	ug/L	0.148					
Ni	62	9.148441	4320.07	ug/L	0.326					
Cu	63	13.124779	87273.12	ug/L	0.017					
Zn	64	44.045461	133474.9	ug/L	0.171					
Cu	65	12.81623	40647.74	ug/L	0.142					
Zn	66	45.214644	80362.1	ug/L	0.403					
Zn	68	44.880334	57221.43	ug/L	0.192					
Ge	72	165836.349		ug/L						
As	75	32.659633	53658.52	ug/L	0.839					
Se	74	-970.100191	6635.164	mg/L	403.427					
ArCl	77	1059.739		ug/L						

Br	79	182388.074	ug/L						
Br	81	214905.467	ug/L						
Y	89	442978.624	ug/L						
Mo	95	12.608923	55190.25	ug/L	0.315				
Rh	103	400328.799	ug/L						
Ag	107	0.208593	2961.846	ug/L	0.009				
Ag	109	0.200334	2768.452	ug/L	0.026				
Cd	111	0.124411	399.013	ug/L	0.009				
Cd	114	0.137893	1026.402	ug/L	0.01				
In	115	539201.346	ug/L						
Sb	121	0.486995	5964.349	ug/L	0.004				
Sb	123	0.50145	4655.92	ug/L	0.009				
Ba	137	47.713546	262816.8	ug/L	0.699				
Ba	138	47.473391	1673589	ug/L	0.424				
Tb	159	739021.116	ug/L						
Ho	165	723492.318	ug/L						
Hg	200	0.010288	41.001	ug/L	0.001				
Hg	202	0.006402	44.334	ug/L	0.002				
Tl	205	0.013528	871.717	ug/L	0				
Pb	208	10.428804	470080.8	ug/L	0.128				
Bi	209	477200.295	ug/L						
Se	77	1.986988	960.051	mg/L	0.149				
Se	78	-3.370738	13428.99	mg/L	0.209				
Se	82	2.467801	445.735	mg/L	0.285				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	124.529							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.539
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.144
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.04
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.02
Sample Date/Time Wednesday August 24 2011 20:49:44
Autosampl Position: 38
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.02.18200
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10207.06		ug/L						
Be	9	0.175344	84.335	ug/L	0.008					
B	10	17.273478	1899.884	ug/L	0.941					
B	11	17.574507	9273.153	ug/L	0.33					
C	12	617628.845		ug/L						
Na	23	11571.79454	92437527	ug/L	276.892					
Mg	24	5809.308927	31177361	ug/L	219.415					
Mg	25	5714.869231	4301823	ug/L	255.312					
Al	27	13.002414	111460.2	ug/L	0.365					
Si	28	23155567.46		ug/L						
P	31	151.056394	81969.49	ug/L	10.339					
S	32	82953468.48		ug/L						
Cl	35	9281823.233		ug/L						
K	39	1747.804636	19497791	ug/L	39.984					
Ca	44	14966.31915	5338582	ug/L	601.916					
Sc	45	202129.855		ug/L						
Ti	47	1.980464	2026.246	ug/L	0.106					
Ti	48	13.076186	119783.3	ug/L	0.615					
V	51	0.105209	40276.11	ug/L	0.152					
ClO	51	41518.007		ug/L						
Cr	52	0.146111	10546.12	ug/L	0.01					
Cr	53	-0.426394	12209.65	ug/L	0.314					
Fe	54	17078.00845	13069176	ug/L	606.636					
Mn	55	1770.285757	28430088	ug/L	48.037					
Fe	56	17161.77389	2.33E+08	ug/L	260.356					
Fe	57	17123.3208	5538989	ug/L	918.735					
Co	59	0.810022	9929.853	ug/L	0.024					
Ni	60	2.568101	7202.591	ug/L	0.032					
Ni	62	2.180718	980.729	ug/L	0.045					
Cu	63	9.014387	54406.19	ug/L	0.223					
Zn	64	21.447781	59618.1	ug/L	0.534					
Cu	65	8.919217	25674.46	ug/L	0.232					
Zn	66	21.981345	35813.43	ug/L	0.705					
Zn	68	21.572906	25276.01	ug/L	0.802					
Ge	72	169815.403		ug/L						
As	75	0.887531	1617.865	ug/L	0.026					
Se	74	-698.159477	9518.289	mg/L	109.218					
ArCl	77	775.041		ug/L						

Br	79	64060.847	ug/L						
Br	81	87400.629	ug/L						
Y	89	448707.873	ug/L						
Mo	95	1.437075	6682.522	ug/L	0.006				
Rh	103	417301.676	ug/L						
Ag	107	0.146748	2234.966	ug/L	0.024				
Ag	109	0.148852	2183.285	ug/L	0.019				
Cd	111	0.136353	436.682	ug/L	0.005				
Cd	114	0.138349	1033.736	ug/L	0.002				
In	115	541150.333	ug/L						
Sb	121	0.330273	4463.807	ug/L	0.005				
Sb	123	0.336215	3439.256	ug/L	0.019				
Ba	137	5.356701	29655.25	ug/L	0.052				
Ba	138	5.368669	190196.5	ug/L	0.006				
Tb	159	742883.015	ug/L						
Ho	165	730429.494	ug/L						
Hg	200	0.012511	47.001	ug/L	0.001				
Hg	202	0.004657	39	ug/L	0.003				
Tl	205	0.018677	1049.071	ug/L	0.001				
Pb	208	1.254558	57720.29	ug/L	0.003				
Bi	209	507577.391	ug/L						
Se	77	0.021138	712.028	mg/L	0.179				
Se	78	-3.166723	13511.94	mg/L	0.224				
Se	82	0.823694	141.077	mg/L	0.095				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	112.932							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.879
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.488
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.97
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.03
Sample Date/Time Wednesday August 24 2011 20:56:24
Autosampl Position: 39
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.03.18201
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10686.277		ug/L						
Be	9	0.007186	10.667	ug/L	0.002					
B	10	55.853349	5673.16	ug/L	0.672					
B	11	56.439702	27645.58	ug/L	0.984					
C	12	682797.756		ug/L						
Na	23	20073.32437	1.55E+08	ug/L	436.602					
Mg	24	10077.01966	52260136	ug/L	18.829					
Mg	25	10090.88259	7340222	ug/L	117.484					
Al	27	23.803254	191842.2	ug/L	0.014					
Si	28	23228837.47		ug/L						
P	31	45.728329	37638.18	ug/L	1.856					
S	32	84392583.51		ug/L						
Cl	35	9793035.425		ug/L						
K	39	3542.930172	37361311	ug/L	79.694					
Ca	44	29059.33603	9981988	ug/L	274.954					
Sc	45	195224.714		ug/L						
Ti	47	1.362621	1416.458	ug/L	0.043					
Ti	48	25.76717	230187.5	ug/L	1.677					
V	51	0.012687	37863.42	ug/L	0.049					
ClO	51	38661.12		ug/L						
Cr	52	-0.142325	7384.853	ug/L	0.015					
Cr	53	-0.056396	12226.68	ug/L	0.212					
Fe	54	307.297531	342412.2	ug/L	2.669					
Mn	55	386.642464	6000409	ug/L	4.597					
Fe	56	274.156505	6567859	ug/L	15.437					
Fe	57	376.022017	126209.4	ug/L	12.723					
Co	59	0.098009	1254.099	ug/L	0.002					
Ni	60	0.889969	2472.361	ug/L	0.009					
Ni	62	0.203861	142.669	ug/L	0.019					
Cu	63	0.372641	2364.331	ug/L	0.022					
Zn	64	4.716675	13685.92	ug/L	0.083					
Cu	65	0.236439	747.038	ug/L	0.006					
Zn	66	4.155882	7147.88	ug/L	0.064					
Zn	68	4.569479	5677.829	ug/L	0.102					
Ge	72	164653.789		ug/L						
As	75	21.607543	35291.73	ug/L	0.312					
Se	74	183.125457	17738.23	mg/L	157.639					
ArCl	77	858.049		ug/L						

Br	79	30442.578	ug/L						
Br	81	50936.211	ug/L						
Y	89	447987.332	ug/L						
Mo	95	2.724028	12046.77	ug/L	0.026				
Rh	103	420823.87	ug/L						
Ag	107	0.112176	1829.869	ug/L	0.002				
Ag	109	0.106526	1701.843	ug/L	0.007				
Cd	111	0.014362	65.334	ug/L	0.003				
Cd	114	0.012095	132.002	ug/L	0.001				
In	115	542895.964	ug/L						
Sb	121	0.199758	3207.265	ug/L	0.014				
Sb	123	0.203738	2459.468	ug/L	0.013				
Ba	137	19.145525	106206.9	ug/L	0.301				
Ba	138	19.223732	682516.6	ug/L	0.086				
Tb	159	736557.531	ug/L						
Ho	165	726943.64	ug/L						
Hg	200	0.021865	70.334	ug/L	0				
Hg	202	0.016579	78.334	ug/L	0.001				
Tl	205	0.00612	634.028	ug/L	0				
Pb	208	0.099963	5225.306	ug/L	0.001				
Bi	209	496686.235	ug/L						
Se	77	1.363407	881.376	mg/L	0.404				
Se	78	-1.940435	14010.51	mg/L	0.08				
Se	82	0.419604	66.198	mg/L	0.118				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	109.074							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.843
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.796
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.503
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.04
Sample Date/Time Wednesday August 24 2011 21:03:03
Autosampl Position: 40
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.04.18202
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9605.076		ug/L						
Be	9	0.04215	27.334	ug/L	0.003					
B	10	123.455159	13345.59	ug/L	5.422					
B	11	123.137162	64294.23	ug/L	3.432					
C	12	700088.964		ug/L						
Na	23	69188.08345	5.74E+08	ug/L	867.512					
Mg	24	24208.42256	1.35E+08	ug/L	508.675					
Mg	25	24413.84706	19121085	ug/L	267.201					
Al	27	159.973228	1348779	ug/L	1.752					
Si	28	35006354.56		ug/L						
P	31	199.592966	105927.4	ug/L	2.306					
S	32	81957600.88		ug/L						
Cl	35	12605717.52		ug/L						
K	39	8878.21271	99522090	ug/L	33.452					
Ca	44	49394.6218	18239983	ug/L	1172.86					
Sc	45	210198.414		ug/L						
Ti	47	13.076138	12581.83	ug/L	0.131					
Ti	48	50.831034	491906.9	ug/L	3.914					
V	51	0.81517	50700.92	ug/L	0.109					
ClO	51	52184.268		ug/L						
Cr	52	0.270672	12271.94	ug/L	0.015					
Cr	53	1.498501	15100.69	ug/L	0.247					
Fe	54	7216.641998	5818534	ug/L	53.953					
Mn	55	263.802346	4408830	ug/L	1.229					
Fe	56	7107.791838	1.02E+08	ug/L	91.808					
Fe	57	7524.217396	2538186	ug/L	33.644					
Co	59	0.254242	3320.64	ug/L	0.003					
Ni	60	4.085732	11857.51	ug/L	0.108					
Ni	62	3.002022	1380.119	ug/L	0.025					
Cu	63	1.362369	8735.95	ug/L	0.027					
Zn	64	10.860406	32098.32	ug/L	0.036					
Cu	65	0.716597	2236.964	ug/L	0.002					
Zn	66	10.775051	18672.34	ug/L	0.22					
Zn	68	12.694069	15756.8	ug/L	0.257					
Ge	72	159720.196		ug/L						
As	75	42.167785	66699.19	ug/L	0.598					
Se	74	-333.431417	12368.15	mg/L	173.047					
ArCl	77	1230.762		ug/L						

Br	79	215456.082	ug/L			
Br	81	250999.574	ug/L			
Y	89	435642.255	ug/L			
Mo	95	2.68241	11510.73	ug/L	0.056	
Rh	103	397610.438	ug/L			
Ag	107	0.091446	1530.812	ug/L	0.016	
Ag	109	0.09245	1488.804	ug/L	0.013	
Cd	111	0.034145	121.669	ug/L	0.001	
Cd	114	0.033278	274.674	ug/L	0.001	
In	115	525278.702	ug/L			
Sb	121	0.202766	3130.904	ug/L	0.005	
Sb	123	0.203328	2376.227	ug/L	0.003	
Ba	137	97.82033	524892.1	ug/L	0.02	
Ba	138	97.555015	3350212	ug/L	1.316	
Tb	159	723178.329	ug/L			
Ho	165	729758.558	ug/L			
Hg	200	0.073051	200.004	ug/L	0.001	
Hg	202	0.041249	160.67	ug/L	0.002	
Tl	205	0.003522	551.356	ug/L	0	
Pb	208	0.312551	14897.58	ug/L	0.001	
Bi	209	470468.519	ug/L			
Se	77	3.868336	1197.412	mg/L	0.179	
Se	78	-2.087638	13950.66	mg/L	0.156	
Se	82	2.704657	489.625	mg/L	0.51	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	117.44							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.942
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.687
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.88
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.05
Sample Date/Time Wednesday August 24 2011 21:09:43
Autosampl Position: 41
Sample Description Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.05.18203
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8637.436		ug/L						
Be	9	0.008816	11	ug/L	0.004					
B	10	13.189372	1386.786	ug/L	0.683					
B	11	13.822172	6938.05	ug/L	0.599					
C	12	622749.02		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	16982.36038	85427320	ug/L	112.599					
Mg	25	17117.11663	12076637	ug/L	509.411					
Al	27	173.989204	1320970	ug/L	3.944					
Si	28	19798560.58		ug/L						
P	31	48.244536	37484.26	ug/L	3.07					
S	32	86695167.56		ug/L						
Cl	35	14030836.85		ug/L						
K	39	5155.813144	52382301	ug/L	210.247					
Ca	44	48579.41544	16162855	ug/L	635.314					
Sc	45	189373.555		ug/L						
Ti	47	9.967193	8690.239	ug/L	0.178					
Ti	48	48.708651	424410.6	ug/L	0.061					
V	51	2.149609	60557.08	ug/L	0.122					
ClO	51	62213.193		ug/L						
Cr	52	0.414198	12406.82	ug/L	0.017					
Cr	53	4.863081	17381.12	ug/L	0.491					
Fe	54	1064.351874	870049.6	ug/L	26.48					
Mn	55	351.680898	5294639	ug/L	1.274					
Fe	56	1048.524382	16077384	ug/L	5.357					
Fe	57	1146.043281	355568.4	ug/L	14.511					
Co	59	0.440178	5104.15	ug/L	0.005					
Ni	60	2.511325	6601.129	ug/L	0.056					
Ni	62	1.350174	591.025	ug/L	0.018					
Cu	63	1.783005	10239.87	ug/L	0.048					
Zn	64	12.870122	34030.69	ug/L	0.322					
Cu	65	1.001464	2780.786	ug/L	0.013					
Zn	66	12.514876	19422.59	ug/L	0.102					
Zn	68	13.047363	14574.49	ug/L	0.058					
Ge	72	156206.617		ug/L						
As	75	7.766409	12110.1	ug/L	0.053					
Se	74	-258.752399	12773.36	mg/L	197.468					
ArCl	77	1423.126		ug/L						

Br	79	67006.832	ug/L						
Br	81	91184.362	ug/L						
Y	89	443755.216	ug/L						
Mo	95	1.023124	4447.799	ug/L	0.034				
Rh	103	413662.036	ug/L						
Ag	107	0.105621	1723.848	ug/L	0.016				
Ag	109	0.098252	1580.487	ug/L	0.013				
Cd	111	0.174378	545.689	ug/L	0.009				
Cd	114	0.173294	1267.434	ug/L	0.007				
In	115	534404.195	ug/L						
Sb	121	0.242719	3568.403	ug/L	0.01				
Sb	123	0.246236	2733.543	ug/L	0.018				
Ba	137	34.165062	186540.6	ug/L	0.06				
Ba	138	33.950772	1186352	ug/L	0.034				
Tb	159	742419.64	ug/L						
Ho	165	733410.718	ug/L						
Hg	200	0.032629	98.335	ug/L	0.003				
Hg	202	0.020372	91.668	ug/L	0.003				
Tl	205	0.005896	632.362	ug/L	0				
Pb	208	0.659917	30823.19	ug/L	0.006				
Bi	209	480069.422	ug/L						
Se	77	4.703332	1302.76	mg/L	0.314				
Se	78	-2.763628	13675.82	mg/L	0.75				
Se	82	1.058908	184.663	mg/L	0.177				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.805							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	91.875
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	94.298
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	98.37
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.06
Sample Date/Time Wednesday August 24 2011 21:16:23
Autosampl Position: 42
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.06.18204
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10249.779		ug/L						
Be	9	0.476944	255.006	ug/L	0.01					
B	10	5.031498	756.372	ug/L	0.134					
B	11	5.165633	3657.105	ug/L	0.17					
C	12	751668.562		ug/L						
Na	23	7524.483027	71017604	ug/L	320.488					
Mg	24	5100.28416	32338524	ug/L	136.471					
Mg	25	5208.367666	4631500	ug/L	203.843					
Al	27	5386.684193	51317996	ug/L	146.259					
Si	28	44441210.27		ug/L						
P	31	234.605416	137180.9	ug/L	8.287					
S	32	78653392.78		ug/L						
Cl	35	9139255.934		ug/L						
K	39	1756.372597	23136571	ug/L	59.931					
Ca	44	4252.412333	1823703	ug/L	188.012					
Sc	45	238772.246		ug/L						
Ti	47	118.927169	127770.1	ug/L	0.751					
Ti	48	120.343429	1326193	ug/L	2.866					
V	51	10.483339	193418.5	ug/L	0.351					
ClO	51	196304.431		ug/L						
Cr	52	14.072713	177828.7	ug/L	0.431					
Cr	53	13.286329	33815.78	ug/L	0.503					
Fe	54	9806.073575	8922498	ug/L	580.262					
Mn	55	182.41512	3462446	ug/L	5.052					
Fe	56	9673.364985	1.57E+08	ug/L	196.666					
Fe	57	9987.455572	3823217	ug/L	78.599					
Co	59	19.603547	280848.3	ug/L	0.633					
Ni	60	25.23051	82587.69	ug/L	0.176					
Ni	62	25.546576	12788.78	ug/L	0.715					
Cu	63	12.151727	86531.43	ug/L	0.486					
Zn	64	30.631563	99891.66	ug/L	0.834					
Cu	65	12.321009	41853.21	ug/L	0.304					
Zn	66	29.655292	56751.16	ug/L	1.085					
Zn	68	29.653888	40754.89	ug/L	0.741					
Ge	72	166574.945		ug/L						
As	75	3.581565	6022.68	ug/L	0.068					
Se	74	-354.316742	12691.63	mg/L	81.154					
ArCl	77	927.057		ug/L						

Br	79	16269.046	ug/L		
Br	81	35507.566	ug/L		
Y	89	597300.807	ug/L		
Mo	95	0.616346	2963.513	ug/L	0.011
Rh	103	418601.379	ug/L		
Ag	107	0.114334	1869.544	ug/L	0.004
Ag	109	0.111051	1766.856	ug/L	0.01
Cd	111	0.598566	1864.877	ug/L	0.004
Cd	114	0.59352	4332.409	ug/L	0.007
In	115	547031.086	ug/L		
Sb	121	0.661076	7759.723	ug/L	0.032
Sb	123	0.678398	6057.886	ug/L	0.003
Ba	137	31.645134	176864.3	ug/L	0.312
Ba	138	31.43229	1124318	ug/L	0.014
Tb	159	742575.017	ug/L		
Ho	165	732513.286	ug/L		
Hg	200	0.058891	164.67	ug/L	0.007
Hg	202	0.043225	168.003	ug/L	0.004
Tl	205	0.10198	3793.163	ug/L	0.002
Pb	208	5.899442	269513.6	ug/L	0.132
Bi	209	517818.801	ug/L		
Se	77	1.173162	857.374	mg/L	0.105
Se	78	-2.859092	13637.01	mg/L	0.341
Se	82	0.351749	53.624	mg/L	0.213

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	133.405							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	
|	Mn	
|	Fe	
|	Fe	
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	97.973
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	96.526
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	98.25
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.07
Sample Date/Time Wednesday August 24 2011 21:23:02
Autosampl Position: 43
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.07.18205
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10782.391		ug/L						
Be	9	0.069679	38.334	ug/L	0.015					
B	10	24.494342	2649.746	ug/L	0.535					
B	11	25.82122	13405.68	ug/L	0.785					
C	12	631510.864		ug/L						
Na	23	17675.72577	1.41E+08	ug/L	241.07					
Mg	24	8063.644235	43378666	ug/L	160.97					
Mg	25	8110.686937	6119604	ug/L	324.211					
Al	27	2.779204	29086.03	ug/L	0.082					
Si	28	27204197.53		ug/L						
P	31	27.977686	31775.28	ug/L	2.415					
S	32	86110886.86		ug/L						
Cl	35	9587673.921		ug/L						
K	39	2533.515708	27953072	ug/L	42.002					
Ca	44	13458.84607	4816243	ug/L	279.378					
Sc	45	202532.706		ug/L						
Ti	47	1.488046	1583.487	ug/L	0.05					
Ti	48	12.647854	115935	ug/L	0.091					
V	51	-0.015008	38942.96	ug/L	0.063					
ClO	51	40005.906		ug/L						
Cr	52	-0.057213	8519.715	ug/L	0					
Cr	53	-0.056716	12680.63	ug/L	0.277					
Fe	54	13889.64548	10677360	ug/L	183.405					
Mn	55	233.282617	3756524	ug/L	3.69					
Fe	56	13772.03137	1.88E+08	ug/L	124.925					
Fe	57	14049.75602	4558413	ug/L	179.459					
Co	59	0.276417	3469.03	ug/L	0.002					
Ni	60	0.982622	2821.466	ug/L	0.014					
Ni	62	0.633286	329.343	ug/L	0					
Cu	63	3.362204	20469.22	ug/L	0.023					
Zn	64	25.664319	71231.83	ug/L	0.36					
Cu	65	3.264025	9476.699	ug/L	0.087					
Zn	66	26.344841	42869.27	ug/L	0.346					
Zn	68	25.966194	30363.93	ug/L	0.051					
Ge	72	167753.637		ug/L						
As	75	0.346913	701.92	ug/L	0.093					
Se	74	-373.49509	12599.78	mg/L	176.929					
ArCl	77	848.381		ug/L						

Br	79	36239.96	ug/L						
Br	81	57512.988	ug/L						
Y	89	439545.883	ug/L						
Mo	95	0.172232	1027.068	ug/L	0.002				
Rh	103	415169.823	ug/L						
Ag	107	0.051074	1097.744	ug/L	0.002				
Ag	109	0.048314	1026.735	ug/L	0.002				
Cd	111	0.122986	396.679	ug/L	0.005				
Cd	114	0.162095	1205.425	ug/L	0.005				
In	115	541985.292	ug/L						
Sb	121	0.098833	2219.627	ug/L	0.004				
Sb	123	0.105697	1722.539	ug/L	0.009				
Ba	137	6.354963	35225.13	ug/L	0.1				
Ba	138	6.559996	232686.9	ug/L	0.067				
Tb	159	733781.436	ug/L						
Ho	165	723826.831	ug/L						
Hg	200	0.003507	24	ug/L	0				
Hg	202	0.001125	27	ug/L	0				
Tl	205	0.003978	561.69	ug/L	0				
Pb	208	3.67041	165955.9	ug/L	0.083				
Bi	209	494671.669	ug/L						
Se	77	1.511374	900.045	mg/L	0.224				
Se	78	-3.044785	13561.51	mg/L	0.728				
Se	82	0.726831	123.128	mg/L	0.531				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	113.157							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.667
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.635
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.085
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.08
Sample Date/Time Wednesday August 24 2011 21:29:42
Autosampl Position: 44
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.08.18206
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10853.143		ug/L						
Be	9	0.001525	7.333	ug/L	0.015					
B	10	0.22712	125.335	ug/L	0.079					
B	11	0.338239	596.359	ug/L	0.03					
C	12	623508.058		ug/L						
Na	23	211.691707	1524990	ug/L	0.376					
Mg	24	10.671868	50149.61	ug/L	0.155					
Mg	25	10.60982	6960.026	ug/L	0.211					
Al	27	4.942867	39964.98	ug/L	0.014					
Si	28	449848.808		ug/L						
P	31	-1.350504	16964.18	ug/L	0.704					
S	32	81986383.18		ug/L						
Cl	35	8626475.041		ug/L						
K	39	5.538128	760427.5	ug/L	1.632					
Ca	44	63.639514	51933.1	ug/L	3.097					
Sc	45	173778.674		ug/L						
Ti	47	0.092976	270.34	ug/L	0.008					
Ti	48	0.130038	-1194.18	ug/L	0					
V	51	0.392784	37588.93	ug/L	0.015					
ClO	51	38566.697		ug/L						
Cr	52	-0.023332	7602.027	ug/L	0.02					
Cr	53	1.206425	12182.95	ug/L	0.085					
Fe	54	0.862133	104970.9	ug/L	0.431					
Mn	55	0.246228	4993.421	ug/L	0.013					
Fe	56	-1.687058	2674445	ug/L	3.394					
Fe	57	6.999926	9829.633	ug/L	2.043					
Co	59	-0.001898	74.668	ug/L	0.001					
Ni	60	0.043336	186.337	ug/L	0.004					
Ni	62	0.023738	61.667	ug/L	0.006					
Cu	63	0.168325	1048.404	ug/L	0.01					
Zn	64	4.894688	12597.61	ug/L	0.128					
Cu	65	0.175762	515.353	ug/L	0.003					
Zn	66	4.991607	7508.174	ug/L	0.096					
Zn	68	4.889267	5368.305	ug/L	0.028					
Ge	72	162223.956		ug/L						
As	75	0.065339	226.816	ug/L	0.026					
Se	74	308.05658	18657.36	mg/L	87.791					
ArCl	77	696.7		ug/L						

Br	79	3697.456	ug/L						
Br	81	22640.387	ug/L						
Y	89	444694.397	ug/L						
Mo	95	0.007216	290.008	ug/L	0.006				
Rh	103	432764.095	ug/L						
Ag	107	0.052914	1109.412	ug/L	0				
Ag	109	0.052417	1064.073	ug/L	0.004				
Cd	111	0.001821	26.667	ug/L	0				
Cd	114	0.065323	508.019	ug/L	0.005				
In	115	536949.165	ug/L						
Sb	121	0.04625	1692.175	ug/L	0.007				
Sb	123	0.043541	1246.038	ug/L	0.001				
Ba	137	0.160375	925.723	ug/L	0.002				
Ba	138	0.161863	5951.693	ug/L	0.002				
Tb	159	725188.8	ug/L						
Ho	165	711538.019	ug/L						
Hg	200	0.000552	16.334	ug/L	0.001				
Hg	202	0.000565	24.667	ug/L	0.002				
Tl	205	-0.002072	358.677	ug/L	0				
Pb	208	0.047412	2787.528	ug/L	0.002				
Bi	209	521972.618	ug/L						
Se	77	-0.4756	649.357	mg/L	0.613				
Se	78	-2.600903	13741.98	mg/L	0.912				
Se	82	0.052451	-1.837	mg/L	0.021				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.092							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.414
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.747
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.436
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.09
Sample Date/Time Wednesday August 24 2011 21:36:22
Autosampl Position: 45
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.09.18207
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10879.84		ug/L						
Be	9	0.145079	70.668	ug/L	0.001					
B	10	23.877831	2562.72	ug/L	0.233					
B	11	24.765002	12761.75	ug/L	0.469					
C	12	645491.577		ug/L						
Na	23	24269.29652	1.92E+08	ug/L	361.063					
Mg	24	12317.07358	65653776	ug/L	210.407					
Mg	25	12528.7026	9367375	ug/L	341.35					
Al	27	472.497727	3790207	ug/L	11.55					
Si	28	25997133.42		ug/L						
P	31	39.796989	36285.9	ug/L	0.891					
S	32	87213248.97		ug/L						
Cl	35	9738915.217		ug/L						
K	39	6064.569103	65161307	ug/L	24.668					
Ca	44	24603.95021	8693089	ug/L	273.938					
Sc	45	200667.919		ug/L						
Ti	47	11.703795	10773.49	ug/L	0.264					
Ti	48	33.427384	307830.3	ug/L	0.252					
V	51	0.409091	43597.06	ug/L	0.049					
ClO	51	44848.136		ug/L						
Cr	52	0.250022	11509.16	ug/L	0.016					
Cr	53	0.252379	12932.66	ug/L	0.167					
Fe	54	2703.734033	2156470	ug/L	36.29					
Mn	55	555.268315	8857083	ug/L	6.114					
Fe	56	2579.436677	37364209	ug/L	115.62					
Fe	57	2651.568961	859785.6	ug/L	42.809					
Co	59	0.498516	6111.448	ug/L	0.004					
Ni	60	1.338967	3774.488	ug/L	0.03					
Ni	62	0.836461	411.347	ug/L	0.007					
Cu	63	1.037395	6399.983	ug/L	0.011					
Zn	64	6.394326	18594.5	ug/L	0.026					
Cu	65	0.930108	2743.775	ug/L	0.017					
Zn	66	5.52641	9517.408	ug/L	0.033					
Zn	68	6.915679	8495.052	ug/L	0.132					
Ge	72	160335.002		ug/L						
As	75	6.438228	10324.67	ug/L	0.053					
Se	74	547.682769	20669.79	mg/L	299.416					
ArCl	77	904.721		ug/L						

Br	79	41186.377	ug/L						
Br	81	63417.556	ug/L						
Y	89	470282.143	ug/L						
Mo	95	1.285201	5669.157	ug/L	0.018				
Rh	103	416258.196	ug/L						
Ag	107	0.03781	954.06	ug/L	0.002				
Ag	109	0.037776	918.389	ug/L	0.002				
Cd	111	0.070264	239.339	ug/L	0.002				
Cd	114	0.06867	544.688	ug/L	0.001				
In	115	550124.176	ug/L						
Sb	121	0.147436	2732.771	ug/L	0.001				
Sb	123	0.148791	2073.531	ug/L	0.02				
Ba	137	60.028583	337331.5	ug/L	0.54				
Ba	138	59.699677	2147065	ug/L	0.571				
Tb	159	717992.732	ug/L						
Ho	165	704567.133	ug/L						
Hg	200	0.012095	44.334	ug/L	0.002				
Hg	202	0.006956	45.001	ug/L	0.002				
Tl	205	0.012594	819.378	ug/L	0				
Pb	208	1.406649	62343.32	ug/L	0.001				
Bi	209	495544.464	ug/L						
Se	77	1.796743	936.048	mg/L	0.359				
Se	78	-2.389909	13827.77	mg/L	0.055				
Se	82	0.66814	112.252	mg/L	0.005				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	112.115							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.303
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.072
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.501
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.1
Sample Date/Time Wednesday August 24 2011 21:43:02
Autosampl Position: 46
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.10.18208
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11866.406		ug/L						
Be	9	0.011449	13.333	ug/L	0.004					
B	10	4.68061	624.694	ug/L	0.03					
B	11	4.884449	3056.545	ug/L	0.258					
C	12	626134.073		ug/L						
Na	23	11552.11779	95415801	ug/L	167.503					
Mg	24	9216.229928	51150926	ug/L	202.851					
Mg	25	9275.120951	7220956	ug/L	53.482					
Al	27	3.12465	32889.34	ug/L	0.001					
Si	28	33914253.12		ug/L						
P	31	-2.81916	19773.46	ug/L	0.456					
S	32	81502840.53		ug/L						
Cl	35	8755616.099		ug/L						
K	39	4142.396817	46610644	ug/L	95.066					
Ca	44	16301.68426	6010296	ug/L	172.106					
Sc	45	208930.925		ug/L						
Ti	47	1.525414	1668.837	ug/L	0.039					
Ti	48	12.877409	121810.7	ug/L	0.373					
V	51	-0.382562	35656.82	ug/L	0.027					
ClO	51	36396.414		ug/L						
Cr	52	-0.218236	7114.992	ug/L	0.023					
Cr	53	-1.223086	11639.56	ug/L	0.145					
Fe	54	3600.504219	2948439	ug/L	97.255					
Mn	55	550.358065	9140549	ug/L	7.542					
Fe	56	3496.520442	51589214	ug/L	49.492					
Fe	57	3463.944072	1166602	ug/L	52.023					
Co	59	0.12063	1625.828	ug/L	0					
Ni	60	0.604848	1830.203	ug/L	0.001					
Ni	62	0.246003	171.003	ug/L	0.012					
Cu	63	0.35151	2399.674	ug/L	0.007					
Zn	64	1.903712	6746.656	ug/L	0.014					
Cu	65	0.291119	961.727	ug/L	0.008					
Zn	66	1.591044	3422.345	ug/L	0.026					
Zn	68	1.97552	3016.531	ug/L	0.02					
Ge	72	164264.123		ug/L						
As	75	1.710572	2901.423	ug/L	0.018					
Se	74	306.148441	18876.56	mg/L	144.992					
ArCl	77	739.371		ug/L						

Br	79	69281.386	ug/L						
Br	81	91643.418	ug/L						
Y	89	443251.806	ug/L						
Mo	95	0.441544	2168.281	ug/L	0.028				
Rh	103	407669.113	ug/L						
Ag	107	0.032609	880.051	ug/L	0.002				
Ag	109	0.030281	820.712	ug/L	0.002				
Cd	111	0.006626	41.667	ug/L	0.002				
Cd	114	0.006266	90.335	ug/L	0.001				
In	115	543559.624	ug/L						
Sb	121	0.01795	1436.128	ug/L	0.011				
Sb	123	0.025114	1122.476	ug/L	0.016				
Ba	137	13.212686	73391.17	ug/L	0.406				
Ba	138	13.297777	472706	ug/L	0.394				
Tb	159	726138.777	ug/L						
Ho	165	720755.915	ug/L						
Hg	200	0.002508	21.334	ug/L	0.003				
Hg	202	-0.001085	19.667	ug/L	0.001				
Tl	205	0.001391	475.684	ug/L	0				
Pb	208	0.033684	2208.46	ug/L	0.001				
Bi	209	503341.238	ug/L						
Se	77	0.285362	745.364	mg/L	0.433				
Se	78	-3.589395	13340.09	mg/L	0.606				
Se	82	0.790076	134.848	mg/L	0.195				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	116.732							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.614
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.913
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.673
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Wednesday August 24 2011 21:49:43
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 1.18209
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11024.014		ug/L						
Be	9	-0.002135	6	ug/L	0.002					
B	10	-0.121548	94.335	ug/L	0					
B	11	-0.043422	432.348	ug/L	0.029					
C	12	469158.243		ug/L						
Na	23	-5.063534	37149.61	ug/L	0.476					
Mg	24	0.555527	3447.666	ug/L	0.064					
Mg	25	0.660045	516.733	ug/L	0.1					
Al	27	0.183639	6946.683	ug/L	0.068					
Si	28	67768.437		ug/L						
P	31	2.734744	18380.4	ug/L	0.155					
S	32	83788155.2		ug/L						
Cl	35	8085595.933		ug/L						
K	39	2.713071	733634.5	ug/L	2.092					
Ca	44	-3.573733	31420.68	ug/L	2.945					
Sc	45	173615.997		ug/L						
Ti	47	-0.002027	196.004	ug/L	0.002					
Ti	48	0.025687	-2030.67	ug/L	0.008					
V	51	0.160514	35178.3	ug/L	0.018					
ClO	51	36144.079		ug/L						
Cr	52	-0.046974	7389.455	ug/L	0.021					
Cr	53	0.529106	11474.69	ug/L	0.024					
Fe	54	-0.650629	103819.5	ug/L	8.484					
Mn	55	-0.021814	1290.771	ug/L	0.003					
Fe	56	2.661024	2720927	ug/L	8.428					
Fe	57	1.991699	8424.751	ug/L	2.563					
Co	59	-0.004217	50.334	ug/L	0.001					
Ni	60	-0.003021	76.001	ug/L	0.003					
Ni	62	-0.005376	51.001	ug/L	0.018					
Cu	63	-0.001125	172.337	ug/L	0					
Zn	64	0.081537	1352.431	ug/L	0.023					
Cu	65	0.001813	86.335	ug/L	0.002					
Zn	66	0.091482	789.376	ug/L	0.025					
Zn	68	0.088401	655.697	ug/L	0.059					
Ge	72	162058.498		ug/L						
As	75	0.170887	395.993	ug/L	0.023					
Se	74	486.600178	20322.41	mg/L	140.348					
ArCl	77	619.361		ug/L						

Br	79	5626.471	ug/L						
Br	81	25170.062	ug/L						
Y	89	449383.543	ug/L						
Mo	95	0.003705	274.674	ug/L	0.002				
Rh	103	429677.175	ug/L						
Ag	107	0.04532	1043.737	ug/L	0.005				
Ag	109	0.041875	966.061	ug/L	0.008				
Cd	111	-0.001395	17.334	ug/L	0				
Cd	114	-0.00012	45.001	ug/L	0				
In	115	549359.441	ug/L						
Sb	121	0.014738	1420.792	ug/L	0.004				
Sb	123	0.019929	1095.896	ug/L	0.001				
Ba	137	0.004545	72.668	ug/L	0				
Ba	138	0.004041	421.548	ug/L	0.001				
Tb	159	729198.855	ug/L						
Ho	165	718981.626	ug/L						
Hg	200	0.002362	21	ug/L	0				
Hg	202	-0.001661	17.667	ug/L	0.001				
Tl	205	-0.001263	388.679	ug/L	0				
Pb	208	0.009734	1131.705	ug/L	0.001				
Bi	209	519648.924	ug/L						
Se	77	-0.48617	648.023	mg/L	0.06				
Se	78	-2.383218	13830.49	mg/L	1.429				
Se	82	0.26883	38.259	mg/L	0.138				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.001							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.317
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.937
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.435
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	2						
Sample	Date/Time	Wednesday	August	24	2011	21:56:53				
Autosampl	Position:	6								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	2.1821						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11274.988		ug/L						
Be	9	99.012849	38263.08	ug/L	0.625					
B	10	97.329188	8987.867	ug/L	3.047					
B	11	95.414837	42550.14	ug/L	2.043					
C	12	478536.606		ug/L						
Na	23	98.001376	767191.8	ug/L	2.261					
Mg	24	105.114673	500893.2	ug/L	1.258					
Mg	25	105.399972	70411.99	ug/L	1.628					
Al	27	101.739173	732855.3	ug/L	0.229					
Si	28	249358.243		ug/L						
P	31	-0.886737	17645.54	ug/L	0.133					
S	32	80014795.59		ug/L						
Cl	35	8202325.792		ug/L						
K	39	1044.938216	10622759	ug/L	14.464					
Ca	44	95.439704	63497.31	ug/L	0.302					
Sc	45	179052.79		ug/L						
Ti	47	100.072289	80661.74	ug/L	0.399					
Ti	48	100.549728	830814.6	ug/L	0.666					
V	51	98.775893	1075736	ug/L	1.785					
ClO	51	1094515.691		ug/L						
Cr	52	99.270953	892369.6	ug/L	0.573					
Cr	53	100.984463	118388.1	ug/L	0.64					
Fe	54	99.576169	174479.3	ug/L	3.752					
Mn	55	98.431479	1402336	ug/L	0.572					
Fe	56	93.645994	3885940	ug/L	10.338					
Fe	57	100.610026	36931.91	ug/L	2.557					
Co	59	100.145947	1075978	ug/L	0.221					
Ni	60	94.698997	232238	ug/L	0.049					
Ni	62	94.164357	35215.09	ug/L	1.291					
Cu	63	99.954009	532696	ug/L	1.681					
Zn	64	96.028561	232360.7	ug/L	0.14					
Cu	65	100.670282	255914.7	ug/L	1.1					
Zn	66	96.368883	136819.9	ug/L	1.155					
Zn	68	95.444093	97094.05	ug/L	0.935					
Ge	72	166634.668		ug/L						
As	75	109.975134	181282.5	ug/L	0.496					
Se	74	492.903078	20958	mg/L	449.476					
ArCl	77	13503.495		ug/L						

Br	79	3315.971	ug/L			
Br	81	22750.995	ug/L			
Y	89	445610.911	ug/L			
Mo	95	99.671533	436572.7	ug/L	2.321	
Rh	103	433234.894	ug/L			
Ag	107	60.604633	731784.3	ug/L	0.278	
Ag	109	59.559371	695989.7	ug/L	0.265	
Cd	111	106.449504	328593.4	ug/L	1.471	
Cd	114	105.096217	760955.8	ug/L	0.557	
In	115	548336.392	ug/L			
Sb	121	99.403367	979781.1	ug/L	4.212	
Sb	123	100.162373	758383.7	ug/L	3.993	
Ba	137	105.000622	588160.2	ug/L	0.368	
Ba	138	103.692767	3717225	ug/L	0.193	
Tb	159	740989.6	ug/L			
Ho	165	730197.225	ug/L			
Hg	200	1.034017	2630.74	ug/L	0.033	
Hg	202	1.042468	3492.372	ug/L	0.026	
Tl	205	106.781509	3502447	ug/L	0.032	
Pb	208	104.18896	4733910	ug/L	0.957	
Bi	209	540071.59	ug/L			
Se	77	97.659733	13030.67	mg/L	0.958	
Se	78	102.161538	56335.45	mg/L	1.332	
Se	82	100.253304	18565.7	mg/L	0.289	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	98.033							
|	B	97.038							
|	B	95.129							
|	C								
|	Na	96.744							
|	Mg	104.074							
|	Mg	104.356							
|	Al	101.334							
|	Si								
|	P								
|	S								
|	Cl								
|	K	104.181							
|	Ca	94.588							
|>	Sc	100.039							
|	Ti	100.072							
|	Ti	100.55							
|	V	98.382							
|	ClO								
|	Cr	98.288							

	Cr	99.985
	Fe	98.982
	Mn	98.039
	Fe	93.087
	Fe	100.01
	Co	99.549
	Ni	93.947
	Ni	93.417
	Cu	100.054
	Zn	95.361
	Cu	100.771
	Zn	95.699
|-	Zn	94.781
|>	Ge	98.009
	As	110.639
	Se	491.919
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	99.373
|-	Rh	
	Ag	60.124
	Ag	59.087
	Cd	105.92
	Cd	104.573
|>	In	96.756
	Sb	99.106
	Sb	99.863
	Ba	104.271
|-	Ba	102.972
|-	Tb	
|>	Ho	97.939
	Hg	103.402
	Hg	104.247
	Tl	106.782
	Pb	104.189
|-	Bi	
	Se	97.465
	Se	101.958
	Se	100.053

Sample	ID:	QC	Std	5						
Sample	Date/Time	Wednesday	August	24	2011	22:04:01				
Autosampl	Position:	7								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	5.18211						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11435.189	ug/L							
Be	9	43.841802	16404.95	ug/L	0.71					
B	10	158.181814	14075.36	ug/L	1.269					
B	11	159.256508	68455.15	ug/L	0.893					
C	12	474084.165	ug/L							
Na	23	-3.247841	49563.02	ug/L	0.09					
Mg	24	0.301975	2277.18	ug/L	0.03					
Mg	25	0.382744	336.707	ug/L	0.136					
Al	27	185.194947	1286002	ug/L	13.124					
Si	28	123005.942	ug/L							
P	31	0.102644	17428.43	ug/L	0.886					
S	32	79888153.47	ug/L							
Cl	35	7698588.003	ug/L							
K	39	2.759256	732993.4	ug/L	2.469					
Ca	44	2.459984	33223.95	ug/L	1.033					
Sc	45	173365.836	ug/L							
Ti	47	0.064372	247.006	ug/L	0.045					
Ti	48	0.05206	-1818.28	ug/L	0.015					
V	51	25.585583	294512.1	ug/L	0.995					
ClO	51	299234.126	ug/L							
Cr	52	50.724105	445152.6	ug/L	1.593					
Cr	53	50.746567	63012.93	ug/L	1.808					
Fe	54	187.456669	226128.4	ug/L	1.612					
Mn	55	107.858378	1487243	ug/L	3.058					
Fe	56	184.113388	4799172	ug/L	8.576					
Fe	57	181.72492	58188.43	ug/L	17.282					
Co	59	24.149159	251189.9	ug/L	0.907					
Ni	60	195.670787	464415.9	ug/L	4.409					
Ni	62	192.962609	69796.95	ug/L	5.355					
Cu	63	77.835212	401581.4	ug/L	2.066					
Zn	64	101.135062	236822.8	ug/L	2.379					
Cu	65	79.328229	195224.9	ug/L	2.004					
Zn	66	102.053126	140191.9	ug/L	4.119					
Zn	68	104.448468	102813.2	ug/L	1.414					
Ge	72	160520.816	ug/L							
As	75	47.046704	74770.6	ug/L	0.927					
Se	74	881.675433	23857.09	mg/L	127.75					
ArCl	77	20711.109	ug/L							

Br	79	2699.428	ug/L			
Br	81	21399.722	ug/L			
Y	89	443086.147	ug/L			
Mo	95	44.114434	186303.6	ug/L	0.962	
Rh	103	422408.78	ug/L			
Ag	107	52.670039	632915.9	ug/L	1.14	
Ag	109	52.234096	607549.2	ug/L	0.504	
Cd	111	24.286429	74606.64	ug/L	0.847	
Cd	114	24.328978	175299.1	ug/L	0.693	
In	115	545793.672	ug/L			
Sb	121	53.936035	529467.7	ug/L	1.132	
Sb	123	54.254276	409074.9	ug/L	1.454	
Ba	137	147.494399	822155.8	ug/L	2.153	
Ba	138	145.574631	5192922	ug/L	2.898	
Tb	159	723262.899	ug/L			
Ho	165	721287.643	ug/L			
Hg	200	1.065269	2676.754	ug/L	0.006	
Hg	202	1.071371	3544.393	ug/L	0.021	
Tl	205	14.656042	475153	ug/L	0.308	
Pb	208	107.519547	4825023	ug/L	2	
Bi	209	522402.096	ug/L			
Se	77	159.132405	20786.41	mg/L	2.547	
Se	78	158.228398	79130.65	mg/L	0.825	
Se	82	155.221855	28751.54	mg/L	0.291	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	102.915							
|	B	98.864							
|	B	99.535							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	105.224							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.861							
|	Ti								
|	Ti								
|	V	102.753							
|	ClO								
|	Cr	103.098							

|	Cr	103.143
|	Fe	104.724
|	Mn	101.753
|	Fe	102.857
|	Fe	101.522
|	Co	103.644
|	Ni	95.917
|	Ni	94.59
|	Cu	99.534
|	Zn	96.319
|	Cu	101.443
|	Zn	97.193
|-	Zn	99.475
|>	Ge	94.413
|	As	119.408
|	Se	551.047
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	105.285
|-	Rh	
|	Ag	104.712
|	Ag	103.845
|	Cd	104.683
|	Cd	104.866
|>	In	96.307
|	Sb	115.991
|	Sb	116.676
|	Ba	104.606
|-	Ba	103.244
|-	Tb	
|>	Ho	96.744
|	Hg	106.527
|	Hg	107.137
|	Tl	103.212
|	Pb	103.384
|-	Bi	
	Se	99.458
	Se	98.893
	Se	97.014

Sample ID: QC Std 6
Sample Date/Time Wednesday August 24 2011 22:11:10
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 6.18212
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10483.374		ug/L						
Be	9	-0.000686	6.667	ug/L	0.007					
B	10	0.291619	133.669	ug/L	0.115					
B	11	0.453007	658.364	ug/L	0.116					
C	12	447401.994		ug/L						
Na	23	10374.28553	72721544	ug/L	231.265					
Mg	24	10354.46187	48766256	ug/L	95.01					
Mg	25	10145.51404	6702582	ug/L	131.004					
Al	27	10205.43752	72215574	ug/L	169.082					
Si	28	67264.636		ug/L						
P	31	10063.42582	3625965	ug/L	384.676					
S	32	79545644.09		ug/L						
Cl	35	1807675.127		ug/L						
K	39	10358.43531	97818426	ug/L	56.299					
Ca	44	9896.22428	3109106	ug/L	113.969					
Sc	45	177290.742		ug/L						
Ti	47	27.51168	22103.06	ug/L	0.439					
Ti	48	9.621425	76664.58	ug/L	0.922					
V	51	-1.253916	21161.49	ug/L	0.058					
ClO	51	21618.224		ug/L						
Cr	52	-0.008172	7890.44	ug/L	0.002					
Cr	53	-4.136965	6816.29	ug/L	0.118					
Fe	54	9865.44408	6669813	ug/L	196.324					
Mn	55	0.03634	2138.274	ug/L	0.011					
Fe	56	10389.11008	1.25E+08	ug/L	51.779					
Fe	57	10263.87636	2917431	ug/L	34.768					
Co	59	0.027227	386.012	ug/L	0.001					
Ni	60	0.261284	719.036	ug/L	0.012					
Ni	62	0.040234	69.001	ug/L	0.04					
Cu	63	0.240169	1448.797	ug/L	0.013					
Zn	64	0.679004	2805.744	ug/L	0.02					
Cu	65	0.135979	425.681	ug/L	0.006					
Zn	66	0.593055	1508.14	ug/L	0.013					
Zn	68	0.550997	1133.415	ug/L	0.029					
Ge	72	167979.067		ug/L						
As	75	0.218328	489.219	ug/L	0.093					
Se	74	-106.833601	15232.97	mg/L	211.748					
ArCl	77	383.679		ug/L						

Br	79	1892.549	ug/L			
Br	81	21750.875	ug/L			
Y	89	444636.741	ug/L			
Mo	95	0.207584	1184.757	ug/L	0.043	
Rh	103	413441.696	ug/L			
Ag	107	0.217701	3153.583	ug/L	0.032	
Ag	109	0.216345	3031.874	ug/L	0.034	
Cd	111	0.009034	50.001	ug/L	0.001	
Cd	114	0.011175	128.002	ug/L	0.001	
In	115	553903.678	ug/L			
Sb	121	0.826941	9508.1	ug/L	0.112	
Sb	123	0.831799	7306.37	ug/L	0.092	
Ba	137	0.049391	327.009	ug/L	0	
Ba	138	0.051026	2126.102	ug/L	0	
Tb	159	739993.169	ug/L			
Ho	165	721228.613	ug/L			
Hg	200	0.016358	56.001	ug/L	0.006	
Hg	202	0.01342	67.334	ug/L	0.001	
Tl	205	0.003991	560.023	ug/L	0.002	
Pb	208	0.043625	2656.511	ug/L	0.003	
Bi	209	496358.648	ug/L			
Se	77	-2.39911	406.676	mg/L	0.075	
Se	78	-2.036984	13971.26	mg/L	0.192	
Se	82	0.35411	54.062	mg/L	0.521	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	103.743							
|	Mg	103.545							
|	Mg	101.455							
|	Al	102.054							
|	Si								
|	P	100.634							
|	S								
|	Cl								
|	K	103.584							
|	Ca	98.962							
|>	Sc	99.054							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	98.654
	Mn	
	Fe	103.891
	Fe	102.639
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.799
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.738
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.736
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.1 MS
Sample Date/Time Wednesday August 24 2011 22:18:20
Autosampl Position: 47
Sample Description Aqtot pre-digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D MS.18213
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11707.534		ug/L						
Be	9	803.893967	371380.9	ug/L	17.882					
B	10	5.165582	693.033	ug/L	0.121					
B	11	5.007117	3196.927	ug/L	0.094					
C	12	1418205.274		ug/L						
Na	23	20756.0933	1.76E+08	ug/L	104.821					
Mg	24	18250.08074	1.04E+08	ug/L	617.555					
Mg	25	18529.37359	14786440	ug/L	166.579					
Al	27	9419.764683	80525296	ug/L	198.92					
Si	28	34781179.01		ug/L						
P	31	8333.84763	3630203	ug/L	22.761					
S	32	84769631.65		ug/L						
Cl	35	14409032.37		ug/L						
K	39	13481.46154	1.54E+08	ug/L	50.174					
Ca	44	25687.3804	9682247	ug/L	357.039					
Sc	45	214137.191		ug/L						
Ti	47	21.989664	21384	ug/L	0.375					
Ti	48	19.090362	186397.4	ug/L	0.155					
V	51	844.396669	10685028	ug/L	8.881					
ClO	51	10956398.1		ug/L						
Cr	52	824.162258	8790144	ug/L	0.172					
Cr	53	796.573569	1023861	ug/L	10.09					
Fe	54	12654.29718	10296746	ug/L	68.427					
Mn	55	1361.635641	23177847	ug/L	14.476					
Fe	56	12781.83425	1.85E+08	ug/L	480.118					
Fe	57	12915.93993	4432183	ug/L	113.598					
Co	59	807.263575	10371385	ug/L	4.891					
Ni	60	737.121911	2161408	ug/L	6.083					
Ni	62	732.402129	327067.8	ug/L	14.899					
Cu	63	756.732897	4821865	ug/L	1.175					
Zn	64	778.15987	2241540	ug/L	4.765					
Cu	65	755.929244	2297544	ug/L	1.772					
Zn	66	768.841886	1299600	ug/L	9.74					
Zn	68	763.81407	924155.6	ug/L	17.17					
Ge	72	169451.378		ug/L						
As	75	995.888845	1668316	ug/L	6.809					
Se	74	787.116409	24237.65	mg/L	106.151					
ArCl	77	128150.667		ug/L						

Br	79	56751.15	ug/L						
Br	81	81284.116	ug/L						
Y	89	446718.014	ug/L						
Mo	95	1046.259738	4657413	ug/L	28.586				
Rh	103	413344.801	ug/L						
Ag	107	65.027963	784951.2	ug/L	0.12				
Ag	109	63.536271	742119.8	ug/L	0.827				
Cd	111	1011.754956	3122132	ug/L	2.684				
Cd	114	1022.058361	7397153	ug/L	3.217				
In	115	548167.716	ug/L						
Sb	121	1177.978072	11590834	ug/L	0.629				
Sb	123	1161.055003	8775821	ug/L	7.787				
Ba	137	1049.907307	5877813	ug/L	15.405				
Ba	138	1055.827316	37832405	ug/L	9.614				
Tb	159	745729.174	ug/L						
Ho	165	739479.862	ug/L						
Hg	200	1.004703	2588.728	ug/L	0.014				
Hg	202	0.994908	3374.66	ug/L	0.042				
Tl	205	1000.895432	33239068	ug/L	8.818				
Pb	208	993.545852	45709074	ug/L	3.042				
Bi	209	510132.027	ug/L						
Se	77	993.597324	126067.2	mg/L	32.989				
Se	78	993.551678	418749.6	mg/L	5.857				
Se	82	981.382456	181841.7	mg/L	24.5				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	119.641							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.665
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.726
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.184
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.1 MSD
Sample Date/Time Wednesday August 24 2011 22:25:02
Autosampl Position: 48
Sample Descriptior Aqtot pre-digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: MSD.18214
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11610.076		ug/L						
Be	9	804.658027	363014.6	ug/L	15.866					
B	10	5.103842	670.031	ug/L	0.251					
B	11	4.900019	3065.881	ug/L	0.241					
C	12	1417617.545		ug/L						
Na	23	20735.41736	1.71E+08	ug/L	998.443					
Mg	24	18799.9504	1.04E+08	ug/L	580.36					
Mg	25	18617.94327	14500567	ug/L	758.762					
Al	27	9368.987469	78166299	ug/L	303.54					
Si	28	34603853.26		ug/L						
P	31	8446.536988	3591441	ug/L	282.724					
S	32	83232656.8		ug/L						
Cl	35	14474225.76		ug/L						
K	39	13535.79033	1.5E+08	ug/L	491.959					
Ca	44	25980.52907	9562521	ug/L	321.203					
Sc	45	209110.188		ug/L						
Ti	47	21.129244	20081.04	ug/L	0.32					
Ti	48	19.798809	188635.3	ug/L	2.459					
V	51	876.484503	10827353	ug/L	22.53					
ClO	51	10973884.79		ug/L						
Cr	52	840.308707	8750767	ug/L	9.109					
Cr	53	811.530601	1018191	ug/L	21.897					
Fe	54	12868.19614	10220435	ug/L	353.252					
Mn	55	1402.123406	23296674	ug/L	41.156					
Fe	56	13101.13765	1.85E+08	ug/L	67.19					
Fe	57	13441.67185	4503128	ug/L	104.497					
Co	59	825.549786	10356088	ug/L	13.97					
Ni	60	746.844247	2137871	ug/L	14.465					
Ni	62	736.439343	321162.8	ug/L	11.806					
Cu	63	770.580642	4793670	ug/L	18.389					
Zn	64	792.431978	2228386	ug/L	26.194					
Cu	65	758.570988	2250844	ug/L	20.534					
Zn	66	777.214979	1282844	ug/L	12.922					
Zn	68	775.878493	916711	ug/L	16.374					
Ge	72	165219.971		ug/L						
As	75	1013.132004	1654695	ug/L	15.473					
Se	74	1077.516709	26431.7	mg/L	229.064					
ArCl	77	126553.093		ug/L						

Br		79	53046.323	ug/L					
Br		81	76648.686	ug/L					
Y		89	447428.951	ug/L					
Mo		95	1072.02416	4652935	ug/L	15.654			
Rh		103	414758.346	ug/L					
Ag		107	69.741859	845705.7	ug/L	1.579			
Ag		109	67.635325	793844.1	ug/L	1.208			
Cd		111	1000.195937	3101044	ug/L	5.134			
Cd		114	1004.665066	7305652	ug/L	5.423			
In		115	550751.499	ug/L					
Sb		121	1168.828761	11554572	ug/L	16.018			
Sb		123	1162.979528	8832013	ug/L	16.005			
Ba		137	1030.46302	5797204	ug/L	9.474			
Ba		138	1048.631438	37755250	ug/L	0.171			
Tb		159	734530.182	ug/L					
Ho		165	722496.635	ug/L					
Hg		200	1.068131	2688.424	ug/L	0.004			
Hg		202	1.015644	3365.99	ug/L	0.048			
Tl		205	1013.746994	32890039	ug/L	23.703			
Pb		208	1003.43271	45098604	ug/L	18.043			
Bi		209	500326.858	ug/L					
Se		77	978.958197	124220.3	mg/L	4.712			
Se		78	992.261874	418225.2	mg/L	12.572			
Se		82	970.288252	179785.9	mg/L	13.371			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	116.832							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.176
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.182
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.906
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 22:31:42
Autosampl Position: 49
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18215
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10766.373		ug/L						
Be	9	0.097091	44.667	ug/L	0.027					
B	10	0.747934	178.004	ug/L	0.162					
B	11	0.66995	764.707	ug/L	0.178					
C	12	502153.596		ug/L						
Na	23	5.820221	115990.8	ug/L	1.131					
Mg	24	2.808207	14342.81	ug/L	0.41					
Mg	25	2.922195	2053.771	ug/L	0.324					
Al	27	5.828771	47773.49	ug/L	0.556					
Si	28	83853.404		ug/L						
P	31	-2.491574	17174.59	ug/L	0.936					
S	32	77548152.44		ug/L						
Cl	35	9673767.959		ug/L						
K	39	6.58076	798463.2	ug/L	2.675					
Ca	44	14.316567	38250.86	ug/L	8.556					
Sc	45	180259.605		ug/L						
Ti	47	0.094248	281.341	ug/L	0.006					
Ti	48	0.093119	-1545.45	ug/L	0.01					
V	51	0.722289	42475.42	ug/L	0.088					
ClO	51	43700.555		ug/L						
Cr	52	0.090369	8903.297	ug/L	0.025					
Cr	53	2.089705	13576.27	ug/L	0.251					
Fe	54	9.087297	114405	ug/L	4.921					
Mn	55	0.094857	3008.529	ug/L	0.018					
Fe	56	9.298472	2903694	ug/L	10.847					
Fe	57	9.097683	10794.16	ug/L	2.55					
Co	59	0.095478	1128.082	ug/L	0.017					
Ni	60	0.244865	689.366	ug/L	0.036					
Ni	62	0.242285	146.003	ug/L	0.026					
Cu	63	0.333723	1973.234	ug/L	0.023					
Zn	64	3.363396	9343.592	ug/L	0.436					
Cu	65	0.335898	943.725	ug/L	0.017					
Zn	66	3.470344	5615.132	ug/L	0.522					
Zn	68	3.388747	4033.94	ug/L	0.512					
Ge	72	169719.079		ug/L						
As	75	0.524128	1007.62	ug/L	0.044					
Se	74	315.831479	19550.61	mg/L	649.753					
ArCl	77	854.715		ug/L						

Br	79	3852.522	ug/L						
Br	81	24863.883	ug/L						
Y	89	468984.527	ug/L						
Mo	95	1.981056	9113.383	ug/L	0.302				
Rh	103	457158.414	ug/L						
Ag	107	0.733773	9678.265	ug/L	0.081				
Ag	109	0.721102	9207.777	ug/L	0.091				
Cd	111	0.103959	354.344	ug/L	0.02				
Cd	114	0.102715	817.378	ug/L	0.01				
In	115	568182.837	ug/L						
Sb	121	2.4224	25990.96	ug/L	0.348				
Sb	123	2.456335	20197.33	ug/L	0.342				
Ba	137	0.140485	863.383	ug/L	0.014				
Ba	138	0.136763	5360.156	ug/L	0.016				
Tb	159	760248.973	ug/L						
Ho	165	750516.783	ug/L						
Hg	200	0.011908	46.667	ug/L	0.002				
Hg	202	0.010707	60.667	ug/L	0.003				
Tl	205	0.472864	16351.03	ug/L	0.087				
Pb	208	0.190028	9582.116	ug/L	0.031				
Bi	209	519069.051	ug/L						
Se	77	0.877231	820.037	mg/L	1.001				
Se	78	-0.823655	14464.56	mg/L	0.708				
Se	82	1.356917	239.885	mg/L	0.439				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.713							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.823
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.258
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.664
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 22:38:23
Autosampl Position: 50
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18216
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10502.063		ug/L						
Be	9	0.012826	11.667	ug/L	0.004					
B	10	0.437521	144.669	ug/L	0.231					
B	11	0.570294	700.034	ug/L	0.028					
C	12	483709.396		ug/L						
Na	23	3.541267	96900	ug/L	0.215					
Mg	24	1.603885	8344.663	ug/L	0.08					
Mg	25	1.598183	1133.518	ug/L	0.113					
Al	27	5.624128	44985.56	ug/L	0.064					
Si	28	83267.909		ug/L						
P	31	-2.17795	16777.14	ug/L	1.036					
S	32	78333909.24		ug/L						
Cl	35	9459501.767		ug/L						
K	39	5.246696	762577.7	ug/L	2.354					
Ca	44	12.217247	36500.11	ug/L	3.015					
Sc	45	174910.906		ug/L						
Ti	47	0.064927	250.006	ug/L	0.003					
Ti	48	0.056232	-1798.92	ug/L	0.006					
V	51	0.76696	41690.49	ug/L	0.029					
ClO	51	42707.189		ug/L						
Cr	52	0.041363	8213.502	ug/L	0.027					
Cr	53	2.391242	13489.81	ug/L	0.033					
Fe	54	7.65642	110085.7	ug/L	5.026					
Mn	55	0.024655	1946.895	ug/L	0					
Fe	56	10.158088	2828896	ug/L	3.163					
Fe	57	4.502507	9198.905	ug/L	0.068					
Co	59	0.019229	297.008	ug/L	0.001					
Ni	60	0.155401	456.016	ug/L	0.007					
Ni	62	0.160809	112.002	ug/L	0.024					
Cu	63	0.205382	1248.432	ug/L	0					
Zn	64	2.948251	8101.601	ug/L	0.129					
Cu	65	0.195005	566.357	ug/L	0.007					
Zn	66	3.070411	4905.039	ug/L	0.125					
Zn	68	2.995236	3531.721	ug/L	0.095					
Ge	72	164691.731		ug/L						
As	75	0.169159	399.177	ug/L	0.102					
Se	74	101.461807	16943.83	mg/L	289.26					
ArCl	77	831.38		ug/L						

Br	79	2503.703	ug/L		
Br	81	23291.365	ug/L		
Y	89	460156.056	ug/L		
Mo	95	0.647864	3066.214	ug/L	0
Rh	103	441798.017	ug/L		
Ag	107	0.373417	5198.885	ug/L	0.05
Ag	109	0.36701	4950.08	ug/L	0.059
Cd	111	0.026656	108.002	ug/L	0.003
Cd	114	0.02869	263.673	ug/L	0.006
In	115	569667.732	ug/L		
Sb	121	0.960465	11140.6	ug/L	0.03
Sb	123	0.967338	8576.531	ug/L	0.03
Ba	137	0.046774	321.009	ug/L	0.002
Ba	138	0.045631	1986.035	ug/L	0.001
Tb	159	735303.737	ug/L		
Ho	165	735379.516	ug/L		
Hg	200	0.013406	49.667	ug/L	0.004
Hg	202	0.014237	71.334	ug/L	0.003
Tl	205	0.154072	5526.735	ug/L	0.007
Pb	208	0.074869	4138.409	ug/L	0.002
Bi	209	506356.576	ug/L		
Se	77	1.025195	838.705	mg/L	0.404
Se	78	-0.399839	14636.87	mg/L	0.787
Se	82	0.423258	66.875	mg/L	0.337

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.725							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.866
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.52
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.634
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Wednesday August 24 2011 22:45:04
Autosampl Position: 51
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18217
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10790.4		ug/L						
Be	9	0.010877	11.333	ug/L	0					
B	10	-0.299281	82.001	ug/L	0.009					
B	11	-0.277069	347.01	ug/L	0.033					
C	12	418006.937		ug/L						
Na	23	-7.455788	21681.32	ug/L	0.045					
Mg	24	0.21234	1950.406	ug/L	0.046					
Mg	25	0.334752	320.038	ug/L	0.089					
Al	27	0.420028	8961.979	ug/L	0.021					
Si	28	62919.932		ug/L						
P	31	-1.710315	17548.69	ug/L	1.232					
S	32	80849482.31		ug/L						
Cl	35	8217689.841		ug/L						
K	39	-1.664135	723602.2	ug/L	0.542					
Ca	44	-3.136882	32922.8	ug/L	2.444					
Sc	45	181107.639		ug/L						
Ti	47	-0.020628	189.337	ug/L	0.006					
Ti	48	0.007291	-2273	ug/L	0.006					
V	51	0.292311	38099.06	ug/L	0.086					
ClO	51	38798.003		ug/L						
Cr	52	-0.016198	7987.631	ug/L	0.008					
Cr	53	0.789911	12247.7	ug/L	0.284					
Fe	54	-5.7688	104899.3	ug/L	1.679					
Mn	55	-0.038541	1106.078	ug/L	0.002					
Fe	56	-0.608792	2800581	ug/L	2.698					
Fe	57	0.041516	8231.216	ug/L	1.084					
Co	59	0.004995	152.669	ug/L	0.002					
Ni	60	0.000276	87.335	ug/L	0.003					
Ni	62	-0.023768	46.334	ug/L	0.003					
Cu	63	0.023391	312.008	ug/L	0.004					
Zn	64	0.066893	1375.701	ug/L	0.01					
Cu	65	0.027378	155.67	ug/L	0.003					
Zn	66	0.074291	799.376	ug/L	0.008					
Zn	68	0.055149	650.696	ug/L	0.007					
Ge	72	169665.981		ug/L						
As	75	0.090626	279.75	ug/L	0.008					
Se	74	331.340728	19743.59	mg/L	16.995					
ArCl	77	718.036		ug/L						

Br	79	2182.284	ug/L						
Br	81	23826.09	ug/L						
Y	89	468124.886	ug/L						
Mo	95	0.222311	1262.1	ug/L	0.007				
Rh	103	455129.328	ug/L						
Ag	107	0.124684	2068.932	ug/L	0.044				
Ag	109	0.121	1953.236	ug/L	0.04				
Cd	111	0.00721	45.334	ug/L	0.001				
Cd	114	0.007926	106.668	ug/L	0.002				
In	115	566418.268	ug/L						
Sb	121	0.310408	4469.477	ug/L	0.012				
Sb	123	0.32076	3479.017	ug/L	0.007				
Ba	137	0.012962	123.669	ug/L	0.001				
Ba	138	0.011319	703.239	ug/L	0.002				
Tb	159	758746.965	ug/L						
Ho	165	750172.098	ug/L						
Hg	200	0.001374	19.334	ug/L	0				
Hg	202	-0.001702	18.334	ug/L	0				
Tl	205	0.079895	3139.907	ug/L	0.002				
Pb	208	0.008609	1128.705	ug/L	0.001				
Bi	209	529750.671	ug/L						
Se	77	-0.021138	706.694	mg/L	0.149				
Se	78	-0.492	14599.4	mg/L	0.74				
Se	82	0.469975	75.532	mg/L	0.171				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.187							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.791
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.947
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.618
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.11
Sample Date/Time Wednesday August 24 2011 22:51:44
Autosampl Position: 52
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.11.18218
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10827.778		ug/L						
Be	9	0.007032	11.333	ug/L	0.006					
B	10	8.922744	1072.741	ug/L	0.322					
B	11	9.005615	5161.183	ug/L	0.206					
C	12	653312.032		ug/L						
Na	23	34515.10018	2.84E+08	ug/L	1470.153					
Mg	24	868.910552	4808022	ug/L	23.213					
Mg	25	836.842135	649467.4	ug/L	28.156					
Al	27	103.971694	871026.6	ug/L	1.927					
Si	28	24851288.91		ug/L						
P	31	143.06941	81145.32	ug/L	6.3					
S	32	74100032.83		ug/L						
Cl	35	8528661.878		ug/L						
K	39	4055.527391	45503415	ug/L	121.091					
Ca	44	6116.818701	2272722	ug/L	61.105					
Sc	45	208313.434		ug/L						
Ti	47	2.360607	2444.02	ug/L	0.124					
Ti	48	6.683639	61721.18	ug/L	0.248					
V	51	0.033351	40649.42	ug/L	0.022					
ClO	51	41694.49		ug/L						
Cr	52	-0.107088	8243.794	ug/L	0.022					
Cr	53	-0.827064	12092.49	ug/L	0.12					
Fe	54	69.51346	179438.1	ug/L	8.083					
Mn	55	19.082996	317786.7	ug/L	0.368					
Fe	56	50.327276	3922930	ug/L	3.14					
Fe	57	99.24233	42506.73	ug/L	0.855					
Co	59	0.035072	551.356	ug/L	0.002					
Ni	60	0.395074	1225.762	ug/L	0.026					
Ni	62	0.342595	212.005	ug/L	0.107					
Cu	63	0.690256	4491.154	ug/L	0.019					
Zn	64	1.791947	6413.739	ug/L	0.001					
Cu	65	0.380206	1222.094	ug/L	0.007					
Zn	66	1.609634	3441.686	ug/L	0.069					
Zn	68	1.951693	2978.851	ug/L	0.063					
Ge	72	167931.529		ug/L						
As	75	2.615426	4468.267	ug/L	0.015					
Se	74	94.558704	17210.07	mg/L	280.81					
ArCl	77	805.71		ug/L						

Br	79	23299.084	ug/L						
Br	81	43853.973	ug/L						
Y	89	462007.872	ug/L						
Mo	95	1.508581	6923.705	ug/L	0.018				
Rh	103	429623.008	ug/L						
Ag	107	0.30169	4292.057	ug/L	0.009				
Ag	109	0.141827	2212.96	ug/L	0.017				
Cd	111	0.050107	182.67	ug/L	0.01				
Cd	114	0.026624	247.339	ug/L	0.004				
In	115	569051.922	ug/L						
Sb	121	0.39474	5351.628	ug/L	0.01				
Sb	123	0.398073	4100.616	ug/L	0.024				
Ba	137	10.649944	61942.26	ug/L	0.2				
Ba	138	10.644316	396217.9	ug/L	0.129				
Tb	159	759096.616	ug/L						
Ho	165	747616.776	ug/L						
Hg	200	0.14341	386.679	ug/L	0.013				
Hg	202	0.104021	378.345	ug/L	0.003				
Tl	205	0.042922	1887.215	ug/L	0.001				
Pb	208	0.165045	8396.935	ug/L	0.007				
Bi	209	529303.415	ug/L						
Se	77	0.64471	790.701	mg/L	0.732				
Se	78	-2.310877	13859.9	mg/L	0.703				
Se	82	0.545923	89.605	mg/L	0.226				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	116.387							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.771
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.411
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.275
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.01
Sample Date/Time Wednesday August 24 2011 22:58:24
Autosampl Position: 53
Sample Description Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.01.18219
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9757.241		ug/L						
Be	9	0.001259	9.333	ug/L	0.004					
B	10	208.752696	23877.56	ug/L	3.146					
B	11	209.6333	115850.3	ug/L	0.166					
C	12	871781.521		ug/L						
Na	23	33246.68563	2.93E+08	ug/L	668.311					
Mg	24	10003.237	59320631	ug/L	154.673					
Mg	25	9908.053958	8241978	ug/L	207.456					
Al	27	8.058972	79100.54	ug/L	0.08					
Si	28	39709708.94		ug/L						
P	31	317.589448	165767.5	ug/L	2.411					
S	32	84645867.76		ug/L						
Cl	35	9415531.982		ug/L						
K	39	16017.5729	1.9E+08	ug/L	14.487					
Ca	44	26832.32816	10543228	ug/L	375.217					
Sc	45	223230.189		ug/L						
Ti	47	2.717664	2978.184	ug/L	0.018					
Ti	48	20.196327	205707.8	ug/L	2.328					
V	51	-0.048268	42492.2	ug/L	0.068					
ClO	51	43564.947		ug/L						
Cr	52	-0.016332	9845.142	ug/L	0.033					
Cr	53	-1.158184	12522.75	ug/L	0.27					
Fe	54	17329.84942	14651687	ug/L	253.541					
Mn	55	735.820676	13057021	ug/L	14.335					
Fe	56	17391.37768	2.6E+08	ug/L	401.871					
Fe	57	17439.10463	6234282	ug/L	65.003					
Co	59	11.203566	150181.5	ug/L	0.054					
Ni	60	9.225993	28304.61	ug/L	0.017					
Ni	62	8.328012	3945.229	ug/L	0.047					
Cu	63	0.454184	3245.945	ug/L	0.002					
Zn	64	2.002306	7504.206	ug/L	0.017					
Cu	65	0.162381	619.694	ug/L	0.005					
Zn	66	1.631289	3727.468	ug/L	0.001					
Zn	68	2.603187	4014.26	ug/L	0.009					
Ge	72	167609.677		ug/L						
As	75	253.027801	419377.6	ug/L	2.708					
Se	74	-31.968455	15938.51	mg/L	61.948					
ArCl	77	959.727		ug/L						

Br	79	166854.5	ug/L						
Br	81	199359.083	ug/L						
Y	89	459104.762	ug/L						
Mo	95	22.652119	100012.8	ug/L	0.226				
Rh	103	419311.45	ug/L						
Ag	107	0.380013	5108.84	ug/L	0.069				
Ag	109	0.379419	4933.412	ug/L	0.077				
Cd	111	0.080236	270.673	ug/L	0.002				
Cd	114	0.054683	444.015	ug/L	0.001				
In	115	551197.244	ug/L						
Sb	121	0.199024	3248.613	ug/L	0.01				
Sb	123	0.202393	2486.554	ug/L	0.009				
Ba	137	33.846262	190612	ug/L	0.302				
Ba	138	33.580065	1210296	ug/L	0.227				
Tb	159	757000.971	ug/L						
Ho	165	740001.014	ug/L						
Hg	200	0.010429	42.334	ug/L	0.002				
Hg	202	0.008142	51.334	ug/L	0.002				
Tl	205	0.038865	1733.516	ug/L	0.001				
Pb	208	0.038073	2469.155	ug/L	0.002				
Bi	209	497668.599	ug/L						
Se	77	2.060973	969.385	mg/L	0.135				
Se	78	-0.808725	14470.63	mg/L	1.009				
Se	82	2.518229	455.08	mg/L	0.357				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	124.721							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	
|	Mn	
|	Fe	
|	Fe	
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	98.582
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	97.261
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	99.254
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.02
Sample Date/Time Wednesday August 24 2011 23:05:04
Autosampl Position: 54
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.02.18220
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9240.703		ug/L						
Be	9	0.018673	17.334	ug/L	0.008					
B	10	207.958209	23253.27	ug/L	3.508					
B	11	208.565731	112678.2	ug/L	1.928					
C	12	949747.775		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	24231.28314	1.4E+08	ug/L	306.852					
Mg	25	23612.57542	19200042	ug/L	167.618					
Al	27	72.149731	635491.7	ug/L	0.805					
Si	28	41041059.41		ug/L						
P	31	234.209135	125243.1	ug/L	10.284					
S	32	83065719.45		ug/L						
Cl	35	11821828.07		ug/L						
K	39	11200.47016	1.3E+08	ug/L	7.562					
Ca	44	38588.03672	14803849	ug/L	95.916					
Sc	45	218220.05		ug/L						
Ti	47	3.293723	3475.367	ug/L	0.263					
Ti	48	35.44137	355042.2	ug/L	2.696					
V	51	0.50489	48640.65	ug/L	0.121					
ClO	51	49755.345		ug/L						
Cr	52	0.162436	11564.52	ug/L	0.008					
Cr	53	1.128744	15196.52	ug/L	0.464					
Fe	54	8819.117992	7352733	ug/L	241.255					
Mn	55	1229.486608	21325440	ug/L	7.155					
Fe	56	8865.356721	1.31E+08	ug/L	47.594					
Fe	57	9302.730729	3255603	ug/L	40.796					
Co	59	1.354866	17858.04	ug/L	0.01					
Ni	60	8.307235	24923.05	ug/L	0.252					
Ni	62	7.277109	3378.328	ug/L	0.081					
Cu	63	1.396258	9289.838	ug/L	0.034					
Zn	64	1.570285	6068.283	ug/L	0.029					
Cu	65	0.243843	858.049	ug/L	0.004					
Zn	66	1.11625	2757.112	ug/L	0.019					
Zn	68	3.725123	5306.602	ug/L	0.078					
Ge	72	157348.799		ug/L						
As	75	27.540822	42958.08	ug/L	0.066					
Se	74	-230.504626	13123.37	mg/L	164.793					
ArCl	77	1250.098		ug/L						

Br	79	470585.308	ug/L						
Br	81	528320.793	ug/L						
Y	89	435613.764	ug/L						
Mo	95	20.451818	84783.37	ug/L	0.407				
Rh	103	404419.842	ug/L						
Ag	107	0.331365	4431.459	ug/L	0.023				
Ag	109	0.088663	1489.137	ug/L	0.009				
Cd	111	0.126343	406.013	ug/L	0.005				
Cd	114	0.08038	619.361	ug/L	0.003				
In	115	540947.002	ug/L						
Sb	121	0.211646	3310.302	ug/L	0.005				
Sb	123	0.219481	2567.359	ug/L	0.008				
Ba	137	118.26037	653470.5	ug/L	0.973				
Ba	138	117.542473	4156452	ug/L	3.856				
Tb	159	747803.282	ug/L						
Ho	165	728915.361	ug/L						
Hg	200	0.020355	66.668	ug/L	0.002				
Hg	202	0.009597	55.334	ug/L	0				
Tl	205	0.039236	1718.847	ug/L	0.003				
Pb	208	0.088189	4703.195	ug/L	0.006				
Bi	209	471357.931	ug/L						
Se	77	3.762641	1184.077	mg/L	0.06				
Se	78	-0.144131	14740.84	mg/L	0.539				
Se	82	6.131376	1124.607	mg/L	0.216				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	121.922							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.547
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.452
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.767
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.03
Sample Date/Time Wednesday August 24 2011 23:11:45
Autosampl Position: 55
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.03.18221
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8909.699		ug/L						
Be	9	0.01918	19.667	ug/L	0.002					
B	10	68.185587	8642.195	ug/L	0.782					
B	11	66.653922	40761.59	ug/L	1.611					
C	12	758050.63		ug/L						
Na	23	11041.61848	1.07E+08	ug/L	185.334					
Mg	24	6545.319323	42513639	ug/L	64.308					
Mg	25	6644.474796	6051922	ug/L	93.769					
Al	27	6.06467	67167.31	ug/L	0.019					
Si	28	61495443.79		ug/L						
P	31	124.395836	86071.55	ug/L	6.292					
S	32	85071845.8		ug/L						
Cl	35	9005131.941		ug/L						
K	39	11992.44925	1.56E+08	ug/L	436.904					
Ca	44	30519.47542	13123905	ug/L	504.518					
Sc	45	244476.766		ug/L						
Ti	47	2.999873	3572.739	ug/L	0.092					
Ti	48	28.626103	320914.3	ug/L	1.396					
V	51	-0.015987	46982.23	ug/L	0.09					
ClO	51	48757.224		ug/L						
Cr	52	0.548352	17647.07	ug/L	0.017					
Cr	53	-0.93184	14034.97	ug/L	0.353					
Fe	54	39990.72451	36819000	ug/L	1363.315					
Mn	55	857.051433	16651700	ug/L	11.875					
Fe	56	39866.25159	6.49E+08	ug/L	1269.18					
Fe	57	40118.89337	15689224	ug/L	690.916					
Co	59	3.977186	58453.91	ug/L	0.098					
Ni	60	6.960704	23410	ug/L	0.137					
Ni	62	6.3122	3290.962	ug/L	0.293					
Cu	63	0.237203	1976.235	ug/L	0.002					
Zn	64	0.979097	4854.154	ug/L	0.03					
Cu	65	0.163894	683.699	ug/L	0.004					
Zn	66	0.558385	2011.909	ug/L	0.033					
Zn	68	1.256198	2537.713	ug/L	0.06					
Ge	72	175007.278		ug/L						
As	75	207.834077	359684.8	ug/L	0.645					
Se	74	-1753.40558	-1013.4	mg/L	147.834					
ArCl	77	922.723		ug/L						

Br	79	97501.493	ug/L						
Br	81	124989.683	ug/L						
Y	89	448273.99	ug/L						
Mo	95	0.489952	2532.378	ug/L	0.004				
Rh	103	423662.735	ug/L						
Ag	107	0.071378	1368.45	ug/L	0.01				
Ag	109	0.061982	1209.093	ug/L	0.015				
Cd	111	0.027351	107.002	ug/L	0.005				
Cd	114	0.03151	276.674	ug/L	0.001				
In	115	553764.558	ug/L						
Sb	121	0.112974	2408.01	ug/L	0.004				
Sb	123	0.121052	1876.941	ug/L	0.002				
Ba	137	15.017652	84996.06	ug/L	0.088				
Ba	138	14.901846	539719.9	ug/L	0.097				
Tb	159	756780.4	ug/L						
Ho	165	756179.787	ug/L						
Hg	200	0.004113	26.667	ug/L	0				
Hg	202	0.000672	26.667	ug/L	0.001				
Tl	205	0.037374	1720.514	ug/L	0.004				
Pb	208	0.048067	2993.889	ug/L	0.001				
Bi	209	504292.636	ug/L						
Se	77	1.648774	917.38	mg/L	0.329				
Se	78	-1.555196	14167.14	mg/L	2.09				
Se	82	1.283611	226.301	mg/L	0.021				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	136.592							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge 102.933
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In 97.714
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho 101.424
| Hg
| Hg
| Tl
| Pb
|- Bi
Se
Se
Se

Sample ID: 102455.04
Sample Date/Time Wednesday August 24 2011 23:18:30
Autosampl Position: 56
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.04.18222
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9763.908		ug/L						
Be	9	0.014771	15.667	ug/L	0.012					
B	10	13.834334	1684.84	ug/L	0.249					
B	11	13.978498	8151.401	ug/L	0.344					
C	12	696243.686		ug/L						
Na	23	8848.944536	77024836	ug/L	242.897					
Mg	24	2648.197391	15488305	ug/L	8.493					
Mg	25	2642.208562	2167551	ug/L	25.158					
Al	27	68.257945	606874.1	ug/L	1.099					
Si	28	37852010.62		ug/L						
P	31	25.25688	33324.34	ug/L	3.967					
S	32	85117897.49		ug/L						
Cl	35	8929326.74		ug/L						
K	39	1908.910969	23117885	ug/L	9.665					
Ca	44	10271.93452	4006486	ug/L	189.869					
Sc	45	220160.892		ug/L						
Ti	47	1.876353	2104.931	ug/L	0.084					
Ti	48	8.689674	85642.37	ug/L	0.763					
V	51	-0.219483	39683.49	ug/L	0.042					
ClO	51	40680.892		ug/L						
Cr	52	-0.187184	7836.385	ug/L	0.017					
Cr	53	-1.112043	12409.59	ug/L	0.055					
Fe	54	13245.22666	11077356	ug/L	393.902					
Mn	55	2694.377878	47148921	ug/L	18.472					
Fe	56	13353.90298	1.98E+08	ug/L	111.102					
Fe	57	13620.68565	4804518	ug/L	2.004					
Co	59	17.148617	226647.7	ug/L	0.003					
Ni	60	24.394407	73641.87	ug/L	0.216					
Ni	62	24.190512	11174.64	ug/L	0.211					
Cu	63	1.117327	7543.871	ug/L	0.038					
Zn	64	2.447288	8717.973	ug/L	0.013					
Cu	65	1.103325	3551.062	ug/L	0.017					
Zn	66	1.941523	4214.352	ug/L	0.065					
Zn	68	2.499589	3829.845	ug/L	0.048					
Ge	72	170688.539		ug/L						
As	75	27.302572	46157.05	ug/L	1.306					
Se	74	-620.875523	10190.09	mg/L	838.201					
ArCl	77	797.71		ug/L						

Br	79	20218.333	ug/L			
Br	81	41746.431	ug/L			
Y	89	461029.69	ug/L			
Mo	95	0.265291	1460.799	ug/L	0.019	
Rh	103	435476.462	ug/L			
Ag	107	0.190549	2907.83	ug/L	0.023	
Ag	109	0.064597	1279.772	ug/L	0.026	
Cd	111	0.041805	156.67	ug/L	0.005	
Cd	114	0.021527	209.671	ug/L	0.004	
In	115	570483.897	ug/L			
Sb	121	0.079515	2138.606	ug/L	0.006	
Sb	123	0.087805	1672.232	ug/L	0.007	
Ba	137	16.692074	97316.08	ug/L	0.014	
Ba	138	16.660352	621592.3	ug/L	0.159	
Tb	159	766538.232	ug/L			
Ho	165	741466.501	ug/L			
Hg	200	0.002583	22.334	ug/L	0.004	
Hg	202	-0.000066	23.667	ug/L	0.001	
Tl	205	0.030367	1452.797	ug/L	0.003	
Pb	208	0.150004	7633.666	ug/L	0.008	
Bi	209	522892.719	ug/L			
Se	77	0.834952	814.703	mg/L	0.433	
Se	78	-0.493497	14598.8	mg/L	0.838	
Se	82	0.566274	93.376	mg/L	0.096	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	123.006							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.393
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.664
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.451
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	1						
Sample	Date/Time	Wednesday	August	24	2011	23:25:10				
Autosampl	Position:	5								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	1.18223						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10117.632		ug/L						
Be	9	0.002765	8	ug/L	0.002					
B	10	0.246913	129.669	ug/L	0.035					
B	11	0.292224	588.358	ug/L	0.005					
C	12	463009.81		ug/L						
Na	23	-2.361956	56940.77	ug/L	0.577					
Mg	24	0.495628	3247.582	ug/L	0.121					
Mg	25	0.600371	490.063	ug/L	0.167					
Al	27	0.257185	7623.962	ug/L	0.036					
Si	28	74108.391		ug/L						
P	31	3.79307	19155.41	ug/L	0.45					
S	32	81638117.35		ug/L						
Cl	35	8196696.922		ug/L						
K	39	2.360768	746282	ug/L	0.029					
Ca	44	-4.1401	31922.47	ug/L	2.577					
Sc	45	177333.089		ug/L						
Ti	47	-0.014869	190.004	ug/L	0.008					
Ti	48	0.025238	-2077.65	ug/L	0.015					
V	51	0.119099	35493.18	ug/L	0.101					
ClO	51	36227.414		ug/L						
Cr	52	-0.089022	7178.913	ug/L	0.002					
Cr	53	0.334481	11513.07	ug/L	0.303					
Fe	54	4.615965	109651.9	ug/L	6.522					
Mn	55	0.089349	2893.184	ug/L	0.068					
Fe	56	-5.241524	2687811	ug/L	1.52					
Fe	57	3.216362	8965.326	ug/L	1.732					
Co	59	0.000155	98.335	ug/L	0.003					
Ni	60	0.013528	117.669	ug/L	0.003					
Ni	62	-0.007794	51.334	ug/L	0.018					
Cu	63	0.012137	246.006	ug/L	0					
Zn	64	0.100463	1426.638	ug/L	0.03					
Cu	65	0.009185	106.668	ug/L	0					
Zn	66	0.126035	855.049	ug/L	0.001					
Zn	68	0.107362	689.366	ug/L	0.012					
Ge	72	170597.91		ug/L						
As	75	0.077	258.32	ug/L	0.006					
Se	74	-85.269772	15673.72	mg/L	287.784					
ArCl	77	671.031		ug/L						

Br	79	5223.554	ug/L						
Br	81	25808.201	ug/L						
Y	89	460458.75	ug/L						
Mo	95	0.036934	437.682	ug/L	0.019				
Rh	103	441782.794	ug/L						
Ag	107	0.060556	1248.432	ug/L	0.005				
Ag	109	0.057007	1161.753	ug/L	0.012				
Cd	111	0.002644	30.334	ug/L	0.002				
Cd	114	0.001809	60.001	ug/L	0.002				
In	115	558772.472	ug/L						
Sb	121	0.029803	1595.823	ug/L	0.008				
Sb	123	0.03305	1215.785	ug/L	0.008				
Ba	137	0.008007	93.668	ug/L	0.004				
Ba	138	0.008361	586.2	ug/L	0.004				
Tb	159	758193.706	ug/L						
Ho	165	748706.629	ug/L						
Hg	200	0.001131	18.667	ug/L	0				
Hg	202	0.000456	25.667	ug/L	0.001				
Tl	205	0.015394	964.395	ug/L	0.005				
Pb	208	0.013198	1340.052	ug/L	0.001				
Bi	209	524428.297	ug/L						
Se	77	-0.739821	616.021	mg/L	0.448				
Se	78	-0.387191	14642.02	mg/L	0.561				
Se	82	0.29351	42.832	mg/L	0.049				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.078							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.34
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.598
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.422
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	2						
Sample	Date/Time	Wednesday	August	24	2011	23:32:20				
Autosampl	Position:	6								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	2.18224						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11016.004		ug/L						
Be	9	93.915187	36928.22	ug/L	2.873					
B	10	94.261884	8858.737	ug/L	3.846					
B	11	92.268095	41876.32	ug/L	3.633					
C	12	475315.716		ug/L						
Na	23	97.510402	777230.8	ug/L	2.152					
Mg	24	102.707577	498005.5	ug/L	2.991					
Mg	25	102.179193	69481.48	ug/L	0.592					
Al	27	103.281951	757041.4	ug/L	1.618					
Si	28	251753.24		ug/L						
P	31	0.386391	18423.82	ug/L	1.425					
S	32	78011547.47		ug/L						
Cl	35	8296217.201		ug/L						
K	39	1028.220096	10648805	ug/L	27.295					
Ca	44	92.770577	63765.88	ug/L	3.662					
Sc	45	182253.258		ug/L						
Ti	47	99.598231	81712.47	ug/L	0.409					
Ti	48	101.338086	852258.3	ug/L	0.708					
V	51	98.310137	1089848	ug/L	1.342					
ClO	51	1114235.677		ug/L						
Cr	52	100.056333	915411.7	ug/L	0.409					
Cr	53	100.027306	119432.3	ug/L	3.16					
Fe	54	102.691825	179644.1	ug/L	11.342					
Mn	55	98.964705	1434956	ug/L	1.118					
Fe	56	88.97957	3897233	ug/L	10.849					
Fe	57	101.378464	37815.62	ug/L	0.475					
Co	59	99.833803	1091575	ug/L	1.766					
Ni	60	94.768934	236505.9	ug/L	1.967					
Ni	62	94.652086	36018.57	ug/L	2.817					
Cu	63	98.500472	534284.3	ug/L	1.169					
Zn	64	95.325507	234725.9	ug/L	2.291					
Cu	65	100.692023	260472.1	ug/L	2.641					
Zn	66	95.002293	137266.9	ug/L	2.233					
Zn	68	95.689135	99061.46	ug/L	1.879					
Ge	72	170603.772		ug/L						
As	75	106.661032	179974.2	ug/L	1.796					
Se	74	106.454887	17552.55	mg/L	412.568					
ArCl	77	13648.711		ug/L						

Br	79	3538.724	ug/L						
Br	81	24906.661	ug/L						
Y	89	470944.541	ug/L						
Mo	95	100.000739	448191.1	ug/L	4.841				
Rh	103	450104.645	ug/L						
Ag	107	59.26366	749597.1	ug/L	1.566				
Ag	109	58.470968	715794.4	ug/L	0.041				
Cd	111	102.533036	331571.7	ug/L	1.141				
Cd	114	102.154921	774785.7	ug/L	1.449				
In	115	574417.421	ug/L						
Sb	121	96.341203	994395.9	ug/L	5.851				
Sb	123	96.518072	765286	ug/L	5.63				
Ba	137	102.312885	600341.4	ug/L	0.693				
Ba	138	101.914656	3827172	ug/L	1.09				
Tb	159	777982.973	ug/L						
Ho	165	755680.409	ug/L						
Hg	200	1.005956	2649.413	ug/L	0.012				
Hg	202	1.00006	3468.029	ug/L	0.017				
Tl	205	104.214181	3537454	ug/L	0.449				
Pb	208	101.310785	4763585	ug/L	1.084				
Bi	209	557480.505	ug/L						
Se	77	100.591362	13400.54	mg/L	1.482				
Se	78	101.695344	56145.9	mg/L	2.892				
Se	82	100.445768	18601.36	mg/L	0.322				

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	92.985							
|	B	93.98							
|	B	91.992							
|	C								
|	Na	96.259							
|	Mg	101.691							
|	Mg	101.168							
|	Al	102.87							
|	Si								
|	P								
|	S								
|	Cl								
|	K	102.514							
|	Ca	91.943							
|>	Sc	101.827							
|	Ti	99.598							
|	Ti	101.338							
|	V	97.918							
|	ClO								
|	Cr	99.066							

|	Cr	99.037
|	Fe	102.079
|	Mn	98.57
|	Fe	88.449
|	Fe	100.774
|	Co	99.238
|	Ni	94.017
|	Ni	93.901
|	Cu	98.599
|	Zn	94.663
|	Cu	100.793
|	Zn	94.342
|-	Zn	95.024
|>	Ge	100.343
|	As	107.305
|	Se	106.242
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	99.702
|-	Rh	
|	Ag	58.793
|	Ag	58.007
|	Cd	102.023
|	Cd	101.647
|>	In	101.358
|	Sb	96.053
|	Sb	96.229
|	Ba	101.602
|-	Ba	101.206
|-	Tb	
|>	Ho	101.357
|	Hg	100.596
|	Hg	100.006
|	Tl	104.214
|	Pb	101.311
|-	Bi	
	Se	100.391
	Se	101.492
	Se	100.245

Sample	ID:	QC	Std	5						
Sample	Date/Time	Wednesday	August	24	2011	23:39:28				
Autosampl	Position:	7								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	5.18225						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10882.511	ug/L							
Be	9	42.589521	15974.19	ug/L	1.269					
B	10	159.455977	14220.26	ug/L	3.916					
B	11	158.355702	68225.74	ug/L	1.694					
C	12	472620.734	ug/L							
Na	23	-2.160245	57144.74	ug/L	0.005					
Mg	24	0.350477	2507.264	ug/L	0.047					
Mg	25	0.400765	350.042	ug/L	0.038					
Al	27	188.160933	1310434	ug/L	0.806					
Si	28	128044.836	ug/L							
P	31	-2.694194	16489.95	ug/L	2.727					
S	32	77179738.99	ug/L							
Cl	35	7745556.776	ug/L							
K	39	1.669487	724867.2	ug/L	0.285					
Ca	44	-2.488613	31788.67	ug/L	2.108					
Sc	45	173754.104	ug/L							
Ti	47	0.025121	217.338	ug/L	0.012					
Ti	48	0.057536	-1776.96	ug/L	0					
V	51	25.796811	297442.9	ug/L	0.04					
ClO	51	300480.078	ug/L							
Cr	52	51.035189	448989.5	ug/L	0.001					
Cr	53	50.783276	63211.63	ug/L	0.294					
Fe	54	198.643102	233913.4	ug/L	3.189					
Mn	55	109.833092	1518305	ug/L	0.008					
Fe	56	179.232756	4754871	ug/L	0.025					
Fe	57	187.334292	59929.53	ug/L	0.128					
Co	59	24.675507	257344.6	ug/L	0.068					
Ni	60	199.733	475235.4	ug/L	0.191					
Ni	62	195.338583	70834.94	ug/L	0.751					
Cu	63	79.852736	413033.2	ug/L	0.481					
Zn	64	101.793994	238948	ug/L	1.216					
Cu	65	80.32915	198180.2	ug/L	0.942					
Zn	66	102.701002	141451.5	ug/L	1.693					
Zn	68	105.096183	103694.4	ug/L	0.139					
Ge	72	164846.523	ug/L							
As	75	46.474932	75858.58	ug/L	0.146					
Se	74	-16.178143	15811.41	mg/L	527.991					
ArCl	77	21119.048	ug/L							

Br	79	2903.493	ug/L		
Br	81	22780.403	ug/L		
Y	89	438371.134	ug/L		
Mo	95	44.086449	191191.3	ug/L	0.274
Rh	103	426580.332	ug/L		
Ag	107	53.715657	646645.3	ug/L	0.055
Ag	109	53.224377	620071.7	ug/L	0.24
Cd	111	24.465136	75305.37	ug/L	0.079
Cd	114	24.367648	175893	ug/L	0.681
In	115	546624.153	ug/L		
Sb	121	54.386412	534834.7	ug/L	0.281
Sb	123	54.842423	414278.3	ug/L	0.145
Ba	137	151.064335	843480.6	ug/L	1.079
Ba	138	148.391455	5302552	ug/L	2.372
Tb	159	736082.141	ug/L		
Ho	165	716855.587	ug/L		
Hg	200	1.080345	2698.095	ug/L	0.054
Hg	202	1.079203	3548.728	ug/L	0.003
Tl	205	15.021471	484061.9	ug/L	0.168
Pb	208	108.849663	4855404	ug/L	0.663
Bi	209	530511.24	ug/L		
Se	77	160.541181	20964.15	mg/L	1.603
Se	78	161.392239	80416.98	mg/L	0.717
Se	82	159.211339	29490.81	mg/L	1.416

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	99.975							
|	B	99.66							
|	B	98.972							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	106.91							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.078							
|	Ti								
|	Ti								
|	V	103.602							
|	ClO								
|	Cr	103.73							

|	Cr	103.218
|	Fe	110.974
|	Mn	103.616
|	Fe	100.13
|	Fe	104.656
|	Co	105.903
|	Ni	97.908
|	Ni	95.754
|	Cu	102.113
|	Zn	96.947
|	Cu	102.723
|	Zn	97.81
|-	Zn	100.092
|>	Ge	96.957
|	As	117.957
|	Se	-10.111
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	105.218
|-	Rh	
|	Ag	106.791
|	Ag	105.814
|	Cd	105.453
|	Cd	105.033
|>	In	96.454
|	Sb	116.96
|	Sb	117.941
|	Ba	107.138
|-	Ba	105.242
|-	Tb	
|>	Ho	96.15
|	Hg	108.035
|	Hg	107.92
|	Tl	105.785
|	Pb	104.663
|-	Bi	
	Se	100.338
	Se	100.87
	Se	99.507

Sample	ID:	QC	Std	6						
Sample	Date/Time	Wednesday	August	24	2011	23:46:37				
Autosampl	Position:	8								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	6.18226						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10624.872		ug/L						
Be	9	0.003902	8.667	ug/L	0.006					
B	10	0.320566	139.336	ug/L	0.063					
B	11	0.574059	726.703	ug/L	0.15					
C	12	452576.184		ug/L						
Na	23	10151.61965	72777054	ug/L	307.035					
Mg	24	10187.47863	49067587	ug/L	332.5					
Mg	25	10065.86682	6800383	ug/L	354.028					
Al	27	10266.73423	74328026	ug/L	76.099					
Si	28	70284.376		ug/L						
P	31	9952.24509	3666913	ug/L	374.964					
S	32	77528004.82		ug/L						
Cl	35	1826223.731		ug/L						
K	39	10168.11554	98216050	ug/L	311.968					
Ca	44	9839.054313	3162312	ug/L	183.503					
Sc	45	181415.995		ug/L						
Ti	47	25.920942	21312.84	ug/L	0.655					
Ti	48	8.762258	71125.27	ug/L	0.665					
V	51	-1.344596	20670.01	ug/L	0.089					
ClO	51	21342.905		ug/L						
Cr	52	-0.009998	8056.085	ug/L	0.01					
Cr	53	-4.377909	6710.21	ug/L	0.318					
Fe	54	10106.13158	6981898	ug/L	607.192					
Mn	55	0.040114	2243.3	ug/L	0.004					
Fe	56	10034.52776	1.23E+08	ug/L	251.738					
Fe	57	10283.86371	2988320	ug/L	556.486					
Co	59	0.03195	446.015	ug/L	0.002					
Ni	60	0.280091	782.041	ug/L	0.011					
Ni	62	0.052949	75.668	ug/L	0.034					
Cu	63	0.240408	1482.136	ug/L	0.019					
Zn	64	0.690577	2897.55	ug/L	0.042					
Cu	65	0.143254	453.683	ug/L	0.015					
Zn	66	0.608742	1564.484	ug/L	0.047					
Zn	68	0.531606	1139.75	ug/L	0.012					
Ge	72	170076.856		ug/L						
As	75	0.271362	584.399	ug/L	0.006					
Se	74	-272.224716	13746.66	mg/L	221.605					
ArCl	77	383.345		ug/L						

Br	79	2155.61	ug/L			
Br	81	23367.229	ug/L			
Y	89	461421.115	ug/L			
Mo	95	0.234834	1318.109	ug/L	0.045	
Rh	103	431378.022	ug/L			
Ag	107	0.236645	3449.689	ug/L	0.012	
Ag	109	0.246364	3452.023	ug/L	0.007	
Cd	111	0.010602	56.001	ug/L	0	
Cd	114	0.013462	147.336	ug/L	0.003	
In	115	564959.896	ug/L			
Sb	121	0.835338	9770.026	ug/L	0.094	
Sb	123	0.839469	7503.524	ug/L	0.08	
Ba	137	0.053703	358.344	ug/L	0.001	
Ba	138	0.052846	2236.145	ug/L	0.001	
Tb	159	754108.901	ug/L			
Ho	165	748522.789	ug/L			
Hg	200	0.010773	43.667	ug/L	0	
Hg	202	0.010823	61.001	ug/L	0	
Tl	205	0.014679	939.725	ug/L	0.002	
Pb	208	0.041961	2678.847	ug/L	0.001	
Bi	209	515962.573	ug/L			
Se	77	-2.705598	368.007	mg/L	0.06	
Se	78	-0.844268	14456.18	mg/L	0.02	
Se	82	0.748362	127.118	mg/L	0.067	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	101.516							
|	Mg	101.875							
|	Mg	100.659							
|	Al	102.667							
|	Si								
|	P	99.522							
|	S								
|	Cl								
|	K	101.681							
|	Ca	98.391							
|>	Sc	101.359							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	101.061
|	Mn	
|	Fe	100.345
|	Fe	102.839
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	100.033
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	99.689
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	100.397
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05
Sample Date/Time Wednesday August 24 2011 23:53:52
Autosampl Position: 57
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.05.18227
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8985.773		ug/L						
Be	9	0.030809	22.667	ug/L	0.009					
B	10	188.539397	20770.25	ug/L	6.922					
B	11	189.857953	101054.9	ug/L	4.773					
C	12	818512.511		ug/L						
Na	23	63101.16758	5.36E+08	ug/L	1489.567					
Mg	24	19220.13655	1.1E+08	ug/L	352.396					
Mg	25	19488.07141	15605122	ug/L	414.226					
Al	27	12.787858	116722.9	ug/L	0.071					
Si	28	40669519.74		ug/L						
P	31	297.852816	150998.7	ug/L	7.785					
S	32	81879888.67		ug/L						
Cl	35	10503472.73		ug/L						
K	39	18104.84454	2.07E+08	ug/L	143.765					
Ca	44	41669.0069	15740178	ug/L	450.576					
Sc	45	214927.198		ug/L						
Ti	47	2.809576	2956.177	ug/L	0.015					
Ti	48	32.465384	320065.8	ug/L	0.928					
V	51	-0.125095	39944.69	ug/L	0.078					
ClO	51	41289.728		ug/L						
Cr	52	0.121161	10948.97	ug/L	0.006					
Cr	53	-1.013621	12241.7	ug/L	0.153					
Fe	54	15396.7759	12547569	ug/L	62.199					
Mn	55	1388.880656	23724711	ug/L	12.354					
Fe	56	15515.74114	2.24E+08	ug/L	22.848					
Fe	57	15744.15783	5419503	ug/L	212.596					
Co	59	0.793836	10352.33	ug/L	0.018					
Ni	60	5.950078	17608.88	ug/L	0.149					
Ni	62	4.960856	2289.311	ug/L	0.033					
Cu	63	0.837534	5575.432	ug/L	0.032					
Zn	64	1.144219	4745.148	ug/L	0.029					
Cu	65	0.213509	752.705	ug/L	0.006					
Zn	66	0.89579	2340.992	ug/L	0.054					
Zn	68	4.273647	5891.968	ug/L	0.058					
Ge	72	163994.041		ug/L						
As	75	82.612459	134048.8	ug/L	0.342					
Se	74	-632.112633	9798.921	mg/L	567.495					
ArCl	77	1065.406		ug/L						

Br	79	294076.976	ug/L						
Br	81	336076.126	ug/L						
Y	89	443053.459	ug/L						
Mo	95	1.680301	7502.171	ug/L	0.038				
Rh	103	418819.742	ug/L						
Ag	107	0.172421	2552.387	ug/L	0.026				
Ag	109	0.149982	2206.292	ug/L	0.022				
Cd	111	0.015568	69.001	ug/L	0.001				
Cd	114	0.013441	141.669	ug/L	0.003				
In	115	543190	ug/L						
Sb	121	0.328463	4462.806	ug/L	0.006				
Sb	123	0.338296	3468.139	ug/L	0.001				
Ba	137	146.674116	813841.7	ug/L	0.279				
Ba	138	146.27624	5194896	ug/L	2.277				
Tb	159	748445.747	ug/L						
Ho	165	736100.07	ug/L						
Hg	200	0.051953	148.003	ug/L	0.005				
Hg	202	0.034465	139.336	ug/L	0.002				
Tl	205	0.007592	690.367	ug/L	0.002				
Pb	208	0.040069	2548.163	ug/L	0				
Bi	209	479253.528	ug/L						
Se	77	2.378051	1009.389	mg/L	0.194				
Se	78	-1.477613	14198.68	mg/L	0.177				
Se	82	3.540711	644.549	mg/L	0.237				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	120.082							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	96.455
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	95.848
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	98.731
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05 MS
Sample Date/Time Thursday August 25 2011 0:00:38
Autosampl Position: 58
Sample Description Aqtot pre-digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D MS.18228
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8700.162		ug/L						
Be	9	677.310967	304704.6	ug/L	11.466					
B	10	189.477624	20251.74	ug/L	4.049					
B	11	189.754899	97983.53	ug/L	0.39					
C	12	1766574.123		ug/L						
Na	23	72768.85166	5.99E+08	ug/L	535.26					
Mg	24	29134.19679	1.61E+08	ug/L	105.743					
Mg	25	29099.25318	22604310	ug/L	204.961					
Al	27	9222.662839	76737453	ug/L	3.235					
Si	28	40112210.25		ug/L						
P	31	9060.391857	3840517	ug/L	34.905					
S	32	86634724.73		ug/L						
Cl	35	12676816.62		ug/L						
K	39	28158.97215	3.11E+08	ug/L	173.202					
Ca	44	51889.65169	19003804	ug/L	306.115					
Sc	45	208471.231		ug/L						
Ti	47	25.956034	24534.98	ug/L	0.095					
Ti	48	44.565804	427185.6	ug/L	3.697					
V	51	865.253933	10659005	ug/L	20.027					
ClO	51	10927529.2		ug/L						
Cr	52	844.175578	8765066	ug/L	5.156					
Cr	53	804.583925	1006792	ug/L	0.872					
Fe	54	25089.10877	19752661	ug/L	74.596					
Mn	55	2237.148718	37067149	ug/L	26.649					
Fe	56	25236.7384	3.51E+08	ug/L	246.57					
Fe	57	25330.40444	8452241	ug/L	299.155					
Co	59	803.690362	10052874	ug/L	1.713					
Ni	60	737.574252	2105309	ug/L	3.519					
Ni	62	721.648984	313811.9	ug/L	6.804					
Cu	63	752.76901	4669752	ug/L	1.599					
Zn	64	765.303472	2146377	ug/L	8.169					
Cu	65	747.381581	2211512	ug/L	0.587					
Zn	66	751.740113	1237274	ug/L	7.286					
Zn	68	750.719989	884518.8	ug/L	9.325					
Ge	72	161758.429		ug/L						
As	75	1103.978037	1765465	ug/L	12.031					
Se	74	489.04345	20316.85	mg/L	20.914					
ArCl	77	123812.665		ug/L						

Br	79	241195.466		ug/L					
Br	81	277860.593		ug/L					
Y	89	430685.988		ug/L					
Mo	95	1090.402433	4633976	ug/L	0.955				
Rh	103	396023.356		ug/L					
Ag	107	56.626582	653442	ug/L	1.618				
Ag	109	54.421138	607844	ug/L	0.601				
Cd	111	1029.582029	3037593	ug/L	6.942				
Cd	114	1051.326149	7274818	ug/L	6.813				
In	115	524101.731		ug/L					
Sb	121	1234.969147	11615871	ug/L	32.888				
Sb	123	1229.602516	8885135	ug/L	25.413				
Ba	137	1252.589316	6704762	ug/L	22.85				
Ba	138	1260.810142	43191499	ug/L	25.944				
Tb	159	744505.707		ug/L					
Ho	165	731349.798		ug/L					
Hg	200	1.0472	2668.418	ug/L	0.006				
Hg	202	1.042033	3496.708	ug/L	0.048				
Tl	205	989.826576	32514509	ug/L	16.891				
Pb	208	968.343751	44061821	ug/L	2.651				
Bi	209	465768.509		ug/L					
Se	77	955.083541	121208.1	mg/L	15.236				
Se	78	974.545448	411022.2	mg/L	5.336				
Se	82	944.619931	175029.5	mg/L	0.834				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	116.475							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.14
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.48
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.094
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05 MSD
Sample Date/Time Thursday August 25 2011 0:07:23
Autosampl Position: 59
Sample Descriptior Aqtot pre-digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: MSD.18229
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8358.513		ug/L						
Be	9	665.195397	298099.8	ug/L	22.929					
B	10	186.295291	19836.82	ug/L	6.307					
B	11	188.43997	96940.8	ug/L	4.138					
C	12	1697436.191		ug/L						
Na	23	73487.33013	6.03E+08	ug/L	1356.126					
Mg	24	28392.59066	1.57E+08	ug/L	1156.153					
Mg	25	28479.37676	22040385	ug/L	390.022					
Al	27	9006.362597	74655820	ug/L	176.75					
Si	28	39194619.86		ug/L						
P	31	8826.130511	3727621	ug/L	218.077					
S	32	84424244.04		ug/L						
Cl	35	12671741.41		ug/L						
K	39	27697.71926	3.05E+08	ug/L	426.622					
Ca	44	51343.20572	18733004	ug/L	1325.909					
Sc	45	207704.726		ug/L						
Ti	47	25.280601	23811.72	ug/L	0.712					
Ti	48	46.253218	441892.2	ug/L	0.079					
V	51	876.636072	10759021	ug/L	7.306					
ClO	51	11085620.11		ug/L						
Cr	52	835.351478	8641270	ug/L	10.358					
Cr	53	802.308345	1000184	ug/L	19.91					
Fe	54	25053.94928	19651212	ug/L	440.456					
Mn	55	2230.014742	36807598	ug/L	85.713					
Fe	56	25294.09704	3.51E+08	ug/L	714.094					
Fe	57	25383.79567	8437583	ug/L	1009.052					
Co	59	816.865881	10179181	ug/L	17.504					
Ni	60	748.505833	2128530	ug/L	11.361					
Ni	62	726.127846	314575.2	ug/L	9.284					
Cu	63	767.020855	4740453	ug/L	8.316					
Zn	64	780.601821	2181007	ug/L	12.81					
Cu	65	760.304186	2241318	ug/L	12.441					
Zn	66	757.587369	1242169	ug/L	16.106					
Zn	68	756.142167	887570.8	ug/L	7.088					
Ge	72	161511.747		ug/L						
As	75	1107.747105	1768493	ug/L	16.985					
Se	74	281.030617	18288.27	mg/L	299.852					
ArCl	77	123060.964		ug/L						

Br	79	245419.704	ug/L						
Br	81	284533.511	ug/L						
Y	89	430585.51	ug/L						
Mo	95	1120.305213	4752428	ug/L	30.291				
Rh	103	401232.832	ug/L						
Ag	107	58.422665	681737.4	ug/L	2.208				
Ag	109	58.153279	656878	ug/L	1.851				
Cd	111	1032.916101	3081579	ug/L	4.355				
Cd	114	1060.766976	7422375	ug/L	4.88				
In	115	529956.471	ug/L						
Sb	121	1237.353632	11770231	ug/L	10.986				
Sb	123	1236.254121	9033879	ug/L	18.689				
Ba	137	1249.239875	6762253	ug/L	9.542				
Ba	138	1264.866327	43821335	ug/L	2.351				
Tb	159	752153.355	ug/L						
Ho	165	734806.038	ug/L						
Hg	200	1.073532	2748.109	ug/L	0.008				
Hg	202	1.039911	3506.044	ug/L	0.007				
Tl	205	990.626486	32693706	ug/L	5.931				
Pb	208	967.084394	44212397	ug/L	0.192				
Bi	209	463912.533	ug/L						
Se	77	962.119388	122095.8	mg/L	7.043				
Se	78	968.560893	408589.1	mg/L	33.81				
Se	82	949.761161	175982.2	mg/L	16.591				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	116.047							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.995
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.513
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.557
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 0:14:09
Autosampl Position: 60
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18230
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8506.646		ug/L						
Be	9	0.058358	28.667	ug/L	0.019					
B	10	1.855643	268.673	ug/L	0					
B	11	1.726927	1186.423	ug/L	0.165					
C	12	472392.789		ug/L						
Na	23	13.568974	164496.4	ug/L	1.736					
Mg	24	3.442673	16733.73	ug/L	0.032					
Mg	25	3.330407	2237.168	ug/L	0.489					
Al	27	3.194023	27738.38	ug/L	0.213					
Si	28	89796.926		ug/L						
P	31	-0.19363	17318.22	ug/L	0.232					
S	32	82205128.67		ug/L						
Cl	35	10092242.2		ug/L						
K	39	12.606377	822678.7	ug/L	3.296					
Ca	44	27.142094	40691.6	ug/L	1.855					
Sc	45	173259.81		ug/L						
Ti	47	0.096579	272.34	ug/L	0.005					
Ti	48	0.070826	-1665.9	ug/L	0.007					
V	51	1.205207	45760.35	ug/L	0.037					
ClO	51	46880.71		ug/L						
Cr	52	0.196791	9474.096	ug/L	0.042					
Cr	53	3.803212	14809.87	ug/L	0.144					
Fe	54	25.29536	120497	ug/L	7.064					
Mn	55	0.162513	3821.18	ug/L	0.039					
Fe	56	35.78609	3095244	ug/L	9.705					
Fe	57	12.738225	11384.94	ug/L	2.889					
Co	59	0.073503	856.716	ug/L	0.015					
Ni	60	0.130589	392.679	ug/L	0.001					
Ni	62	0.138902	103.002	ug/L	0.028					
Cu	63	0.332202	1887.883	ug/L	0.047					
Zn	64	2.288109	6486.523	ug/L	0.15					
Cu	65	0.295901	807.378	ug/L	0.074					
Zn	66	2.29691	3800.5	ug/L	0.172					
Zn	68	2.259403	2777.452	ug/L	0.178					
Ge	72	168463.91		ug/L						
As	75	0.498193	956.41	ug/L	0.047					
Se	74	124.726495	17566.76	mg/L	264.13					
ArCl	77	955.393		ug/L						

Br	79	7560.57	ug/L						
Br	81	29435.596	ug/L						
Y	89	464105.117	ug/L						
Mo	95	2.133826	9711.678	ug/L	0.345				
Rh	103	457123.902	ug/L						
Ag	107	0.670471	8936.158	ug/L	0.052				
Ag	109	0.657191	8482.38	ug/L	0.039				
Cd	111	0.080869	282.341	ug/L	0.007				
Cd	114	0.08267	670.698	ug/L	0.009				
In	115	570735.753	ug/L						
Sb	121	2.284231	24725.67	ug/L	0.244				
Sb	123	2.323707	19269.38	ug/L	0.226				
Ba	137	0.106345	669.031	ug/L	0.011				
Ba	138	0.111507	4447.504	ug/L	0.007				
Tb	159	776884.344	ug/L						
Ho	165	762771.154	ug/L						
Hg	200	0.014998	55.667	ug/L	0.001				
Hg	202	0.009708	58.334	ug/L	0.002				
Tl	205	0.304027	10877.31	ug/L	0.028				
Pb	208	0.132842	7042.483	ug/L	0.002				
Bi	209	516646.106	ug/L						
Se	77	1.585359	909.379	mg/L	0.179				
Se	78	1.54264	15426.63	mg/L	1.41				
Se	82	1.246001	219.332	mg/L	0.411				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.802							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge 99.084
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In 100.709
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho 102.308
| Hg
| Hg
| Tl
| Pb
|- Bi
Se
Se
Se

Sample ID: flush
Sample Date/Time Thursday August 25 2011 0:20:56
Autosampl Position: 61
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18231
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8693.488		ug/L						
Be	9	0.021884	15.333	ug/L	0.005					
B	10	0.98352	196.671	ug/L	0.019					
B	11	1.221066	996.398	ug/L	0.06					
C	12	453297.355		ug/L						
Na	23	23.341002	237482.2	ug/L	0.88					
Mg	24	2.735686	13818.6	ug/L	0.341					
Mg	25	2.715545	1890.386	ug/L	0.259					
Al	27	4.494566	37705.14	ug/L	0.029					
Si	28	92268.456		ug/L						
P	31	2.918597	18898.27	ug/L	4.509					
S	32	88471035.5		ug/L						
Cl	35	9958810.281		ug/L						
K	39	21.773315	930444.3	ug/L	2.367					
Ca	44	31.531569	43109.7	ug/L	7.657					
Sc	45	177773.511		ug/L						
Ti	47	0.106015	287.007	ug/L	0.016					
Ti	48	0.117973	-1319.52	ug/L	0.024					
V	51	1.040074	45229.03	ug/L	0.01					
ClO	51	46597.258		ug/L						
Cr	52	0.170055	9488.948	ug/L	0.01					
Cr	53	3.273322	14637.92	ug/L	0.184					
Fe	54	27.310787	125019.1	ug/L	2.437					
Mn	55	0.136676	3559.734	ug/L	0.018					
Fe	56	38.288723	3206049	ug/L	5.951					
Fe	57	13.242001	11835.56	ug/L	1.166					
Co	59	0.02902	406.013	ug/L	0.003					
Ni	60	0.200101	572.024	ug/L	0.006					
Ni	62	0.215192	134.002	ug/L	0.03					
Cu	63	0.495279	2801.793	ug/L	0.015					
Zn	64	6.988942	17894.28	ug/L	0.006					
Cu	65	0.510909	1372.451	ug/L	0.025					
Zn	66	7.164609	10727.77	ug/L	0.176					
Zn	68	7.149289	7760.055	ug/L	0.109					
Ge	72	171986.342		ug/L						
As	75	0.174715	426.238	ug/L	0.036					
Se	74	-131.435435	15349.18	mg/L	59.915					
ArCl	77	911.055		ug/L						

Br	79	4419.452	ug/L			
Br	81	27591.082	ug/L			
Y	89	477278.874	ug/L			
Mo	95	0.845612	4094.963	ug/L	0.028	
Rh	103	471041.924	ug/L			
Ag	107	0.363	5231.224	ug/L	0.009	
Ag	109	0.359865	5019.102	ug/L	0.008	
Cd	111	0.04977	188.004	ug/L	0.003	
Cd	114	0.046993	413.68	ug/L	0.008	
In	115	588581.86	ug/L			
Sb	121	0.926923	11151.95	ug/L	0.052	
Sb	123	0.928451	8543.373	ug/L	0.043	
Ba	137	0.188118	1180.422	ug/L	0.016	
Ba	138	0.193326	7731.738	ug/L	0.006	
Tb	159	800952.324	ug/L			
Ho	165	773504.662	ug/L			
Hg	200	0.010755	45.001	ug/L	0.003	
Hg	202	0.009758	59.334	ug/L	0.001	
Tl	205	0.104491	4087.63	ug/L	0.013	
Pb	208	0.194606	10110.97	ug/L	0.008	
Bi	209	531850.121	ug/L			
Se	77	1.564222	906.712	mg/L	0.807	
Se	78	0.913796	15170.96	mg/L	0.834	
Se	82	0.435682	69.177	mg/L	0.014	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.324							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.156
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.858
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.748
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 0:27:42
Autosampl Position: 62
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18232
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8445.255		ug/L						
Be	9	0.002626	8	ug/L	0.008					
B	10	-0.21756	88.668	ug/L	0.098					
B	11	0.058319	492.018	ug/L	0.055					
C	12	389772.344		ug/L						
Na	23	-3.26489	51195.54	ug/L	0.297					
Mg	24	0.457584	3097.506	ug/L	0.08					
Mg	25	0.50646	433.387	ug/L	0.096					
Al	27	0.310231	8094.411	ug/L	0.041					
Si	28	67106.799		ug/L						
P	31	-1.877597	17355.04	ug/L	3.762					
S	32	86064835.17		ug/L						
Cl	35	8326207.086		ug/L						
K	39	2.452181	756248.9	ug/L	2.6					
Ca	44	1.513598	34080.55	ug/L	7.487					
Sc	45	179572.818		ug/L						
Ti	47	0.021098	221.005	ug/L	0.032					
Ti	48	0.010177	-2227.44	ug/L	0.023					
V	51	0.511545	40084.58	ug/L	0.1					
ClO	51	41264.518		ug/L						
Cr	52	0.075172	8731.839	ug/L	0.04					
Cr	53	1.683784	13091.55	ug/L	0.344					
Fe	54	2.024393	109272.7	ug/L	1.881					
Mn	55	-0.013141	1459.132	ug/L	0.001					
Fe	56	23.624058	3064255	ug/L	2.716					
Fe	57	4.1818	9349.073	ug/L	0.72					
Co	59	0.006247	164.67	ug/L	0.002					
Ni	60	0.016314	126.002	ug/L	0.002					
Ni	62	0.021109	62.668	ug/L	0.017					
Cu	63	0.028267	335.343	ug/L	0					
Zn	64	0.096947	1436.679	ug/L	0.002					
Cu	65	0.030402	162.003	ug/L	0.003					
Zn	66	0.127724	868.384	ug/L	0.007					
Zn	68	0.103405	694.367	ug/L	0.016					
Ge	72	169134.867		ug/L						
As	75	0.168284	408.682	ug/L	0.002					
Se	74	-235.776689	14059.41	mg/L	327.123					
ArCl	77	757.706		ug/L						

Br	79	3338.98	ug/L						
Br	81	25782.103	ug/L						
Y	89	468670.788	ug/L						
Mo	95	0.266415	1454.131	ug/L	0.017				
Rh	103	464321.884	ug/L						
Ag	107	0.07769	1499.81	ug/L	0.028				
Ag	109	0.076021	1426.797	ug/L	0.027				
Cd	111	0.009659	53.667	ug/L	0				
Cd	114	0.010904	130.002	ug/L	0.002				
In	115	572295.603	ug/L						
Sb	121	0.286951	4274.714	ug/L	0.007				
Sb	123	0.293044	3295.407	ug/L	0.012				
Ba	137	0.012024	119.335	ug/L	0.001				
Ba	138	0.014228	820.233	ug/L	0				
Tb	159	770090.44	ug/L						
Ho	165	761940.863	ug/L						
Hg	200	0.003532	25.334	ug/L	0				
Hg	202	0.000712	27	ug/L	0				
Tl	205	0.049835	2160.612	ug/L	0.001				
Pb	208	0.010684	1244.712	ug/L	0.001				
Bi	209	526151.296	ug/L						
Se	77	0.169104	730.696	mg/L	0.538				
Se	78	1.276027	15318.23	mg/L	0.701				
Se	82	0.153696	16.924	mg/L	0.12				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.329							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.479
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.984
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.197
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.06
Sample Date/Time Thursday August 25 2011 0:34:28
Autosampl Position: 63
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.06.18233
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8536.006		ug/L						
Be	9	0.018998	18	ug/L	0.004					
B	10	172.746813	19903.63	ug/L	4.462					
B	11	174.173183	96940.99	ug/L	6.59					
C	12	782673.034		ug/L						
Na	23	57949.7667	5.14E+08	ug/L	34.85					
Mg	24	17789.3944	1.06E+08	ug/L	471.637					
Mg	25	17881.75329	14967149	ug/L	4.482					
Al	27	9.945154	96492.43	ug/L	0.297					
Si	28	39729411.8		ug/L						
P	31	282.066563	150659.8	ug/L	3.436					
S	32	84867491.47		ug/L						
Cl	35	10222859.68		ug/L						
K	39	17404.76067	2.08E+08	ug/L	24.978					
Ca	44	39457.51197	15579237	ug/L	1032.245					
Sc	45	224625.314		ug/L						
Ti	47	2.655134	2933.836	ug/L	0.04					
Ti	48	28.672981	295041.9	ug/L	2.917					
V	51	0.228322	46416.7	ug/L	0.064					
ClO	51	47128.679		ug/L						
Cr	52	0.011176	10213.81	ug/L	0.011					
Cr	53	-0.123988	13977.21	ug/L	0.14					
Fe	54	14505.93754	12361952	ug/L	170.791					
Mn	55	1312.461108	23430157	ug/L	35.494					
Fe	56	14702.18204	2.22E+08	ug/L	44.661					
Fe	57	14842.18751	5340812	ug/L	138.269					
Co	59	0.740447	10100.05	ug/L	0.031					
Ni	60	5.670118	17544.76	ug/L	0.072					
Ni	62	4.717172	2277.975	ug/L	0.222					
Cu	63	0.722953	5062.46	ug/L	0.006					
Zn	64	0.863332	4111.72	ug/L	0.01					
Cu	65	0.179823	679.032	ug/L	0.01					
Zn	66	0.571011	1871.545	ug/L	0.023					
Zn	68	3.939376	5734.532	ug/L	0.05					
Ge	72	165597.327		ug/L						
As	75	81.376198	133341.1	ug/L	0.403					
Se	74	-635.402743	9894.095	mg/L	8.482					
ArCl	77	1111.412		ug/L						

Br	79	273233.547	ug/L						
Br	81	326510.957	ug/L						
Y	89	461614.121	ug/L						
Mo	95	1.788027	8043.638	ug/L	0.026				
Rh	103	426238.021	ug/L						
Ag	107	1.658228	20879.17	ug/L	0.028				
Ag	109	1.645145	20044.61	ug/L	0.004				
Cd	111	0.010694	55.667	ug/L	0.003				
Cd	114	0.012353	137.669	ug/L	0				
In	115	558305.105	ug/L						
Sb	121	0.216914	3469.03	ug/L	0.007				
Sb	123	0.230917	2737.295	ug/L	0.013				
Ba	137	144.904428	826343.8	ug/L	1.555				
Ba	138	145.723303	5318104	ug/L	3.081				
Tb	159	792520.9	ug/L						
Ho	165	773336.806	ug/L						
Hg	200	0.045033	137.002	ug/L	0.003				
Hg	202	0.028888	126.669	ug/L	0.001				
Tl	205	0.026406	1378.452	ug/L	0.001				
Pb	208	0.031626	2270.465	ug/L	0.001				
Bi	209	505919.54	ug/L						
Se	77	2.980503	1085.398	mg/L	0.209				
Se	78	-0.718251	14507.42	mg/L	1.042				
Se	82	3.809106	694.283	mg/L	0.312				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	125.501							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.398
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.515
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.725
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.07
Sample Date/Time Thursday August 25 2011 0:41:13
Autosampl Position: 64
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.07.18234
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9049.84		ug/L						
Be	9	0.031005	24	ug/L	0.014					
B	10	6.59219	894.72	ug/L	0.166					
B	11	6.876636	4408.78	ug/L	0.003					
C	12	622818.591		ug/L						
Na	23	6770.408016	60446419	ug/L	77.347					
Mg	24	4779.938777	28655013	ug/L	3.994					
Mg	25	4777.8787	4017656	ug/L	7.532					
Al	27	31.214088	288425.7	ug/L	0.726					
Si	28	37438250.54		ug/L						
P	31	4.177903	24525.57	ug/L	4.957					
S	32	86280702.43		ug/L						
Cl	35	8634410.826		ug/L						
K	39	2275.331907	28060937	ug/L	57.651					
Ca	44	5726.469239	2307941	ug/L	23.373					
Sc	45	225665.853		ug/L						
Ti	47	3.216135	3514.381	ug/L	0.124					
Ti	48	6.556227	65509.14	ug/L	0.421					
V	51	-0.223782	40611.58	ug/L	0.074					
ClO	51	41995.529		ug/L						
Cr	52	-0.118309	8803.338	ug/L	0.029					
Cr	53	-1.053914	12794.46	ug/L	0.248					
Fe	54	3192.11168	2838488	ug/L	31.816					
Mn	55	395.453817	7093918	ug/L	3.078					
Fe	56	3150.012071	50552192	ug/L	36.457					
Fe	57	3094.184516	1126588	ug/L	12.812					
Co	59	0.645077	8856.067	ug/L	0.007					
Ni	60	0.715919	2319.652	ug/L	0.009					
Ni	62	0.624934	363.011	ug/L	0.004					
Cu	63	0.262053	1990.238	ug/L	0.013					
Zn	64	2.617146	9448.508	ug/L	0.092					
Cu	65	0.216733	800.377	ug/L	0.004					
Zn	66	2.292077	4943.06	ug/L	0.081					
Zn	68	2.803397	4312.399	ug/L	0.056					
Ge	72	176751.232		ug/L						
As	75	1.218393	2261.119	ug/L	0.061					
Se	74	-19.479069	16931.28	mg/L	61.166					
ArCl	77	832.38		ug/L						

Br	79	17991.299	ug/L						
Br	81	41136.272	ug/L						
Y	89	485602.848	ug/L						
Mo	95	0.259928	1489.137	ug/L	0.007				
Rh	103	472046.411	ug/L						
Ag	107	1.298857	17734.15	ug/L	0.049				
Ag	109	1.298511	17150	ug/L	0.008				
Cd	111	0.025694	110.668	ug/L	0				
Cd	114	0.022187	226.005	ug/L	0.007				
In	115	601314.67	ug/L						
Sb	121	0.121805	2710.431	ug/L	0.002				
Sb	123	0.134382	2148.512	ug/L	0.001				
Ba	137	12.12393	74510.51	ug/L	0.169				
Ba	138	12.252957	481858.6	ug/L	0.365				
Tb	159	798477.268	ug/L						
Ho	165	787288.121	ug/L						
Hg	200	0.002886	24.334	ug/L	0.002				
Hg	202	-0.000365	24	ug/L	0.001				
Tl	205	0.035371	1719.513	ug/L	0.003				
Pb	208	0.073588	4363.455	ug/L	0.006				
Bi	209	543082.473	ug/L						
Se	77	0.644708	790.701	mg/L	0.045				
Se	78	-0.021405	14790.73	mg/L	0.664				
Se	82	0.209519	27.269	mg/L	0.465				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	126.082							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	103.959
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	106.104
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.596
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.08
Sample Date/Time Thursday August 25 2011 0:47:59
Autosampl Position: 65
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.08.18235
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9611.745		ug/L						
Be	9	0.021611	19.334	ug/L	0.01					
B	10	15.678125	1938.559	ug/L	0.534					
B	11	15.811805	9372.924	ug/L	0.395					
C	12	656699.923		ug/L						
Na	23	15281.64124	1.36E+08	ug/L	706.842					
Mg	24	4907.55159	29413536	ug/L	34.094					
Mg	25	4757.002639	3999227	ug/L	18.431					
Al	27	438.573088	3955856	ug/L	19.914					
Si	28	37269368.88		ug/L						
P	31	9.880435	27149.93	ug/L	3.267					
S	32	95502551.53		ug/L						
Cl	35	8642669.579		ug/L						
K	39	3750.322272	45653289	ug/L	103.451					
Ca	44	6860.970638	2756112	ug/L	57.438					
Sc	45	225614.657		ug/L						
Ti	47	18.906504	19410.56	ug/L	0.034					
Ti	48	23.398702	241388.1	ug/L	0.068					
V	51	0.244975	46838.15	ug/L	0.035					
ClO	51	47721.419		ug/L						
Cr	52	0.715605	18166.29	ug/L	0.029					
Cr	53	-0.577287	13431.72	ug/L	0.162					
Fe	54	723.336253	747936.4	ug/L	13.638					
Mn	55	194.460835	3488831	ug/L	2.3					
Fe	56	717.584726	14212348	ug/L	16.462					
Fe	57	741.358749	277671.1	ug/L	6.133					
Co	59	0.519799	7159.223	ug/L	0.002					
Ni	60	0.71059	2302.981	ug/L	0					
Ni	62	0.967216	524.02	ug/L	0.023					
Cu	63	1.538975	10562.91	ug/L	0.012					
Zn	64	2.829072	10092.47	ug/L	0.035					
Cu	65	1.512082	4948.063	ug/L	0.033					
Zn	66	2.048893	4510.497	ug/L	0.034					
Zn	68	2.383213	3776.822	ug/L	0.008					
Ge	72	174010.938		ug/L						
As	75	0.484718	964.791	ug/L	0.003					
Se	74	-203.925108	14788.48	mg/L	521.452					
ArCl	77	859.716		ug/L						

Br	79	14944.767	ug/L						
Br	81	38348.455	ug/L						
Y	89	492907.824	ug/L						
Mo	95	2.590366	12119.53	ug/L	0.046				
Rh	103	448333.853	ug/L						
Ag	107	0.130521	2184.626	ug/L	0.042				
Ag	109	0.126471	2060.263	ug/L	0.044				
Cd	111	0.019035	84.668	ug/L	0.002				
Cd	114	0.019783	199.338	ug/L	0.002				
In	115	577960.814	ug/L						
Sb	121	0.183815	3248.613	ug/L	0.005				
Sb	123	0.190243	2510.64	ug/L	0.008				
Ba	137	12.133509	71673.48	ug/L	0.179				
Ba	138	12.095649	457231.2	ug/L	0.275				
Tb	159	783517.395	ug/L						
Ho	165	766472.817	ug/L						
Hg	200	0.102185	287.341	ug/L	0.003				
Hg	202	0.072007	276.34	ug/L	0.004				
Tl	205	0.024791	1311.441	ug/L	0				
Pb	208	0.574127	28111.01	ug/L	0.018				
Bi	209	524725.943	ug/L						
Se	77	0.919504	825.371	mg/L	0.015				
Se	78	-0.733089	14501.38	mg/L	0.03				
Se	82	0.521413	85.063	mg/L	0.031				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	126.053							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.347
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	101.983
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.805
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.09
Sample Date/Time Thursday August 25 2011 0:54:45
Autosampl Position: 66
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.09.18236
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11285.669		ug/L						
Be	9	0.004376	10	ug/L	0.008					
B	10	12.317524	1415.791	ug/L	0.014					
B	11	13.021776	7134.871	ug/L	0.338					
C	12	669215.829		ug/L						
Na	23	6105.157932	49699048	ug/L	82.118					
Mg	24	2614.577716	14291870	ug/L	15.296					
Mg	25	2566.532813	1967852	ug/L	4.957					
Al	27	7.250213	66254.36	ug/L	0.583					
Si	28	27125386.09		ug/L						
P	31	2.862108	21831.79	ug/L	4.766					
S	32	82864243.35		ug/L						
Cl	35	8432279.002		ug/L						
K	39	1867.232158	21153042	ug/L	6.23					
Ca	44	4131.248059	1528757	ug/L	50.993					
Sc	45	205758.486		ug/L						
Ti	47	1.369597	1499.472	ug/L	0.029					
Ti	48	4.258114	37894.11	ug/L	0.076					
V	51	-0.146738	37973.2	ug/L	0.035					
ClO	51	39516.433		ug/L						
Cr	52	-0.155303	7651.81	ug/L	0.02					
Cr	53	-0.531462	12306.45	ug/L	0.162					
Fe	54	-6.992596	118225.4	ug/L	0.003					
Mn	55	2.626722	44839.1	ug/L	0.052					
Fe	56	-17.841212	2946903	ug/L	0.002					
Fe	57	23.256389	16987.58	ug/L	3.448					
Co	59	0.018639	342.01	ug/L	0					
Ni	60	0.2992	941.391	ug/L	0.004					
Ni	62	0.264431	176.337	ug/L	0.021					
Cu	63	0.148329	1119.08	ug/L	0.012					
Zn	64	3.662613	11509.53	ug/L	0.038					
Cu	65	0.129223	474.35	ug/L	0.003					
Zn	66	3.400799	6308.251	ug/L	0.017					
Zn	68	3.616937	4877.691	ug/L	0.1					
Ge	72	174380.653		ug/L						
As	75	0.176674	435.196	ug/L	0.079					
Se	74	-6.625365	16828.99	mg/L	240.198					
ArCl	77	844.048		ug/L						

Br	79	8165.748	ug/L						
Br	81	29358.97	ug/L						
Y	89	475681.501	ug/L						
Mo	95	0.198544	1188.09	ug/L	0.005				
Rh	103	449270.973	ug/L						
Ag	107	0.049221	1177.09	ug/L	0.018				
Ag	109	0.047948	1118.081	ug/L	0.015				
Cd	111	0.006734	45.667	ug/L	0.001				
Cd	114	0.004623	85.335	ug/L	0.001				
In	115	591193.984	ug/L						
Sb	121	0.041892	1817.2	ug/L	0.003				
Sb	123	0.043355	1371.725	ug/L	0.011				
Ba	137	5.059492	30592.03	ug/L	0.124				
Ba	138	5.146133	199094	ug/L	0.152				
Tb	159	772245.059	ug/L						
Ho	165	773749.132	ug/L						
Hg	200	0.003262	25	ug/L	0.001				
Hg	202	0.000026	25	ug/L	0				
Tl	205	0.016754	1044.404	ug/L	0				
Pb	208	0.021987	1808.088	ug/L	0.001				
Bi	209	545647.336	ug/L						
Se	77	1.342268	878.709	mg/L	0.075				
Se	78	-1.790331	14071.54	mg/L	0.537				
Se	82	0.408304	64.104	mg/L	0.182				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	114.959							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.564
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	104.318
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.781
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	1						
Sample	Date/Time	Thursday	August	25	2011	1:01:26				
Autosampl	Position:	5								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	1.18237						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10582.158		ug/L						
Be	9	0.003106	8	ug/L	0.007					
B	10	0.079092	112.335	ug/L	0.152					
B	11	0.134801	510.019	ug/L	0.098					
C	12	460938.977		ug/L						
Na	23	-4.035519	44355.89	ug/L	0.474					
Mg	24	0.391945	2700.681	ug/L	0.135					
Mg	25	0.404266	353.376	ug/L	0.035					
Al	27	0.255167	7467.152	ug/L	0.089					
Si	28	68574.601		ug/L						
P	31	0.041638	17491.9	ug/L	0.25					
S	32	81410737.17		ug/L						
Cl	35	8134087.27		ug/L						
K	39	0.665851	717264.3	ug/L	1.424					
Ca	44	-10.782972	29323.48	ug/L	3.13					
Sc	45	174170.135		ug/L						
Ti	47	0.005043	202.004	ug/L	0.022					
Ti	48	0.055498	-1797.32	ug/L	0.005					
V	51	0.157576	35264.63	ug/L	0.023					
ClO	51	36539.324		ug/L						
Cr	52	-0.004387	7782.785	ug/L	0.024					
Cr	53	0.573395	11557.46	ug/L	0.095					
Fe	54	0.032387	104641.8	ug/L	4.928					
Mn	55	-0.011079	1443.129	ug/L	0.008					
Fe	56	3.728243	2742805	ug/L	3.66					
Fe	57	0.327179	7994.314	ug/L	1.275					
Co	59	-0.001424	79.668	ug/L	0.002					
Ni	60	0.001928	88.001	ug/L	0.002					
Ni	62	-0.013323	48.334	ug/L	0.009					
Cu	63	0.003127	194.671	ug/L	0.007					
Zn	64	0.078554	1350.007	ug/L	0.024					
Cu	65	0.005505	95.668	ug/L	0					
Zn	66	0.116805	827.046	ug/L	0.007					
Zn	68	0.085584	655.364	ug/L	0.05					
Ge	72	163588.192		ug/L						
As	75	0.097775	282.104	ug/L	0.081					
Se	74	167.750475	17477.45	mg/L	141.934					
ArCl	77	787.375		ug/L						

Br	79	3548.061	ug/L						
Br	81	23433.398	ug/L						
Y	89	448943.501	ug/L						
Mo	95	0.051557	482.684	ug/L	0.01				
Rh	103	440831.831	ug/L						
Ag	107	0.059845	1235.763	ug/L	0.004				
Ag	109	0.060602	1200.758	ug/L	0.009				
Cd	111	0.001718	27.334	ug/L	0.002				
Cd	114	0.001969	61.001	ug/L	0.001				
In	115	556990.611	ug/L						
Sb	121	0.037575	1668.503	ug/L	0.003				
Sb	123	0.047639	1324.013	ug/L	0.003				
Ba	137	0.005537	79.334	ug/L	0				
Ba	138	0.006396	512.882	ug/L	0				
Tb	159	741427.68	ug/L						
Ho	165	722147.034	ug/L						
Hg	200	0.001926	20	ug/L	0.001				
Hg	202	-0.000385	22	ug/L	0.002				
Tl	205	0.011469	803.044	ug/L	0.003				
Pb	208	0.011575	1219.711	ug/L	0				
Bi	209	535966.541	ug/L						
Se	77	-0.042276	704.027	mg/L	0.179				
Se	78	-2.035686	13971.78	mg/L	0.144				
Se	82	0.140767	14.529	mg/L	0.366				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.311							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.217
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.283
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.859
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Thursday August 25 2011 1:08:35
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 2.18238
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10841.128		ug/L						
Be	9	94.455678	37114.31	ug/L	1.194					
B	10	96.857972	9095.306	ug/L	0.002					
B	11	94.561684	42885.37	ug/L	0.283					
C	12	470723.543		ug/L						
Na	23	97.226666	774670.1	ug/L	0.612					
Mg	24	107.577191	521187.8	ug/L	1.476					
Mg	25	103.272179	70149.94	ug/L	1.835					
Al	27	105.608396	773155.5	ug/L	3.099					
Si	28	248700.487		ug/L						
P	31	0.189004	18333.64	ug/L	1.809					
S	32	85627344.21		ug/L						
Cl	35	8146729.16		ug/L						
K	39	1023.385828	10595183	ug/L	0.054					
Ca	44	90.411437	62953.5	ug/L	4.157					
Sc	45	182078.951		ug/L						
Ti	47	101.232478	82972.46	ug/L	0.263					
Ti	48	102.27621	859251.8	ug/L	2.159					
V	51	99.412385	1100581	ug/L	2.134					
ClO	51	1116799.183		ug/L						
Cr	52	99.47166	909025	ug/L	3.12					
Cr	53	99.455598	118716	ug/L	2.602					
Fe	54	103.22962	179899.5	ug/L	5.091					
Mn	55	99.890333	1446759	ug/L	3.099					
Fe	56	106.266371	4102968	ug/L	3.672					
Fe	57	99.800977	37313.48	ug/L	1.921					
Co	59	100.003394	1092320	ug/L	2.921					
Ni	60	96.270655	240043.9	ug/L	1.643					
Ni	62	94.902711	36084.84	ug/L	2.044					
Cu	63	99.575729	539602.1	ug/L	1.444					
Zn	64	95.144101	234087.2	ug/L	1.628					
Cu	65	100.683416	260250.2	ug/L	1.318					
Zn	66	96.313689	139036.2	ug/L	1.618					
Zn	68	95.12794	98390.56	ug/L	2.333					
Ge	72	168779.032		ug/L						
As	75	109.320435	182520	ug/L	0.983					
Se	74	482.379917	21129.67	mg/L	112.651					
ArCl	77	13940.487		ug/L						

Br	79	2883.486	ug/L		
Br	81	25553.453	ug/L		
Y	89	464491.253	ug/L		
Mo	95	101.617393	450803.5	ug/L	2.855
Rh	103	449376.114	ug/L		
Ag	107	59.042317	747160.4	ug/L	1.438
Ag	109	59.684494	730938.6	ug/L	0.105
Cd	111	106.315779	343955.4	ug/L	0.042
Cd	114	106.330701	806820.4	ug/L	1.204
In	115	574651.208	ug/L		
Sb	121	97.830912	1010339	ug/L	5.886
Sb	123	98.255462	779492	ug/L	5.425
Ba	137	104.013429	610580.8	ug/L	0.473
Ba	138	103.369248	3883497	ug/L	0.38
Tb	159	754408.712	ug/L		
Ho	165	739710.015	ug/L		
Hg	200	1.041146	2683.423	ug/L	0
Hg	202	1.04759	3555.398	ug/L	0.024
Tl	205	108.378455	3601230	ug/L	2.081
Pb	208	106.219137	4889106	ug/L	0.286
Bi	209	553053.597	ug/L		
Se	77	105.015478	13958.71	mg/L	0.494
Se	78	103.785408	56995.66	mg/L	1.466
Se	82	103.179149	19107.86	mg/L	0.301

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	93.52							
|	B	96.568							
|	B	94.279							
|	C								
|	Na	95.979							
|	Mg	106.512							
|	Mg	102.25							
|	Al	105.188							
|	Si								
|	P								
|	S								
|	Cl								
|	K	102.032							
|	Ca	89.605							
|>	Sc	101.729							
|	Ti	101.232							
|	Ti	102.276							
|	V	99.016							
|	ClO								
|	Cr	98.487							

|	Cr	98.471
|	Fe	102.614
|	Mn	99.492
|	Fe	105.633
|	Fe	99.206
|	Co	99.407
|	Ni	95.507
|	Ni	94.15
|	Cu	99.675
|	Zn	94.483
|	Cu	100.784
|	Zn	95.644
|-	Zn	94.467
|>	Ge	99.27
|	As	109.98
|	Se	481.417
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	101.313
|-	Rh	
|	Ag	58.574
|	Ag	59.211
|	Cd	105.787
|	Cd	105.802
|>	In	101.399
|	Sb	97.538
|	Sb	97.962
|	Ba	103.29
|-	Ba	102.651
|-	Tb	
|>	Ho	99.215
|	Hg	104.115
|	Hg	104.759
|	Tl	108.378
|	Pb	106.219
|-	Bi	
	Se	104.806
	Se	103.578
	Se	102.973

Sample	ID:	QC	Std	5						
Sample	Date/Time	Thursday	August	25	2011	1:15:44				
Autosampl	Position:	7								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	5.18239						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11206.906		ug/L						
Be	9	42.090333	15954.48	ug/L	0.261					
B	10	161.705749	14572.48	ug/L	1.081					
B	11	158.614616	69061.05	ug/L	2.337					
C	12	462101.92		ug/L						
Na	23	-2.216449	57359.46	ug/L	0.11					
Mg	24	0.496372	3214.225	ug/L	0.061					
Mg	25	0.552873	453.39	ug/L	0.084					
Al	27	183.659827	1292723	ug/L	1.648					
Si	28	120951.39		ug/L						
P	31	1.51172	18150.26	ug/L	10.119					
S	32	79539887.63		ug/L						
Cl	35	7636762.702		ug/L						
K	39	0.252499	719364.5	ug/L	0.527					
Ca	44	-6.691511	30828.6	ug/L	1.532					
Sc	45	175588.851		ug/L						
Ti	47	0.043861	234.339	ug/L	0.043					
Ti	48	0.085135	-1571.54	ug/L	0.006					
V	51	25.105176	293430.7	ug/L	0.279					
ClO	51	299437.164		ug/L						
Cr	52	50.233503	446723.9	ug/L	0.235					
Cr	53	49.69636	62748.44	ug/L	0.399					
Fe	54	189.4261	230322.3	ug/L	8.232					
Mn	55	108.17759	1511230	ug/L	0.242					
Fe	56	184.799782	4869714	ug/L	3.596					
Fe	57	178.662906	58127.7	ug/L	0.744					
Co	59	24.087965	253867.7	ug/L	0.183					
Ni	60	194.270195	467115.2	ug/L	1.286					
Ni	62	193.269468	70824.2	ug/L	2.803					
Cu	63	77.865752	407007.9	ug/L	0.062					
Zn	64	99.834406	236849.2	ug/L	0.399					
Cu	65	79.267982	197631.7	ug/L	0.253					
Zn	66	101.588354	141406.4	ug/L	0.833					
Zn	68	103.191934	102899.8	ug/L	0.723					
Ge	72	167532.31		ug/L						
As	75	45.092757	74806.66	ug/L	0.072					
Se	74	13.958309	16381.2	mg/L	11.217					
ArCl	77	21422.759		ug/L						

Br	79	2561.72	ug/L			
Br	81	22538.471	ug/L			
Y	89	458641.793	ug/L			
Mo	95	43.147605	190191	ug/L	1.16	
Rh	103	433239.795	ug/L			
Ag	107	52.257328	642239	ug/L	0.916	
Ag	109	51.297218	610120.2	ug/L	0.067	
Cd	111	24.154997	75904.01	ug/L	0.284	
Cd	114	23.849531	175766.2	ug/L	0.435	
In	115	558030.218	ug/L			
Sb	121	53.46988	536829.2	ug/L	0.292	
Sb	123	53.397068	411806.8	ug/L	0.019	
Ba	137	147.021146	838061	ug/L	0.341	
Ba	138	145.490562	5307730	ug/L	1.264	
Tb	159	747637.632	ug/L			
Ho	165	729672.069	ug/L			
Hg	200	1.033558	2627.739	ug/L	0.007	
Hg	202	1.044122	3495.707	ug/L	0.012	
Tl	205	14.785577	484956.2	ug/L	0.229	
Pb	208	108.286477	4916366	ug/L	0.956	
Bi	209	535346.686	ug/L			
Se	77	160.202221	20921.38	mg/L	1.573	
Se	78	161.488683	80456.19	mg/L	1.143	
Se	82	159.113345	29472.65	mg/L	2.594	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	98.804							
|	B	101.066							
|	B	99.134							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	104.352							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.103							
|	Ti								
|	Ti								
|	V	100.824							
|	ClO								
|	Cr	102.101							

	Cr	101.009
	Fe	105.825
	Mn	102.054
	Fe	103.24
	Fe	99.812
	Co	103.382
	Ni	95.23
	Ni	94.74
	Cu	99.573
	Zn	95.08
	Cu	101.366
	Zn	96.751
-	Zn	98.278
>	Ge	98.536
	As	114.449
	Se	8.724
	ArCl	
	Br	
	Br	
	Y	
-	Mo	102.978
-	Rh	
	Ag	103.891
	Ag	101.983
	Cd	104.116
	Cd	102.8
>	In	98.467
	Sb	114.989
	Sb	114.832
	Ba	104.27
-	Ba	103.185
-	Tb	
>	Ho	97.869
	Hg	103.356
	Hg	104.412
	Tl	104.124
	Pb	104.122
-	Bi	
	Se	100.126
	Se	100.93
	Se	99.446

Sample	ID:	QC	Std	6						
Sample	Date/Time	Thursday	August	25	2011	1:22:53				
Autosampl	Position:	8								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	6.1824						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10381.925		ug/L						
Be	9	0.007488	9.667	ug/L	0.004					
B	10	0.354361	137.336	ug/L	0.067					
B	11	0.483419	662.031	ug/L	0.141					
C	12	449694.676		ug/L						
Na	23	10270.28309	70983815	ug/L	146.371					
Mg	24	10321.73016	47929803	ug/L	60.315					
Mg	25	10352.76866	6743599	ug/L	108.272					
Al	27	10446.847	72882369	ug/L	31.699					
Si	28	68507.427		ug/L						
P	31	10133.98849	3599693	ug/L	35.508					
S	32	77896418.27		ug/L						
Cl	35	1804231.71		ug/L						
K	39	10356.56328	96426744	ug/L	10.253					
Ca	44	10389.88593	3216510	ug/L	201.485					
Sc	45	174800.599		ug/L						
Ti	47	28.015729	22188.94	ug/L	0.03					
Ti	48	8.27992	64736.79	ug/L	0.371					
V	51	-1.269655	20702.09	ug/L	0.027					
ClO	51	21211.596		ug/L						
Cr	52	-0.006859	7790.421	ug/L	0.017					
Cr	53	-4.204233	6650.498	ug/L	0.132					
Fe	54	10368.50225	6906935	ug/L	207.203					
Mn	55	0.049207	2287.311	ug/L	0.009					
Fe	56	10378.89488	1.23E+08	ug/L	28.909					
Fe	57	10654.37973	2984865	ug/L	604.684					
Co	59	0.034164	453.349	ug/L	0					
Ni	60	0.277314	747.372	ug/L	0.002					
Ni	62	0.037407	67.001	ug/L	0.016					
Cu	63	0.229776	1374.451	ug/L	0.003					
Zn	64	0.709672	2838.421	ug/L	0.007					
Cu	65	0.143212	437.682	ug/L	0.001					
Zn	66	0.639047	1550.481	ug/L	0.021					
Zn	68	0.567748	1134.082	ug/L	0					
Ge	72	164610.284		ug/L						
As	75	0.177227	412.142	ug/L	0.046					
Se	74	-467.437136	11448.65	mg/L	276.303					
ArCl	77	411.347		ug/L						

Br	79	1878.88	ug/L		
Br	81	21758.565	ug/L		
Y	89	432451.505	ug/L		
Mo	95	0.239002	1296.107	ug/L	0.054
Rh	103	411224.816	ug/L		
Ag	107	0.213198	3063.883	ug/L	0.022
Ag	109	0.210079	2924.836	ug/L	0.025
Cd	111	0.013226	62.334	ug/L	0.002
Cd	114	0.014334	149.336	ug/L	0.001
In	115	547587.438	ug/L		
Sb	121	0.822805	9361.613	ug/L	0.108
Sb	123	0.833982	7240.896	ug/L	0.079
Ba	137	0.058358	373.345	ug/L	0.005
Ba	138	0.057519	2334.037	ug/L	0.002
Tb	159	727559.578	ug/L		
Ho	165	711625.122	ug/L		
Hg	200	0.012728	46.334	ug/L	0
Hg	202	0.009384	53.334	ug/L	0.001
Tl	205	0.01745	982.73	ug/L	0.001
Pb	208	0.048439	2834.202	ug/L	0.001
Bi	209	496510.545	ug/L		
Se	77	-2.473089	397.342	mg/L	0.538
Se	78	-1.155332	14329.71	mg/L	0.535
Se	82	0.135369	13.528	mg/L	0.068

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	102.703							
|	Mg	103.217							
|	Mg	103.528							
|	Al	104.468							
|	Si								
|	P	101.34							
|	S								
|	Cl								
|	K	103.566							
|	Ca	103.899							
|>	Sc	97.663							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	103.685
	Mn	
	Fe	103.789
	Fe	106.544
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.818
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.624
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.448
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.1
Sample Date/Time Thursday August 25 2011 1:30:08
Autosampl Position: 67
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.10.18241
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11080.082		ug/L						
Be	9	0.055486	33.667	ug/L	0.024					
B	10	15.17336	1767.523	ug/L	0.586					
B	11	15.899027	8855.735	ug/L	0.429					
C	12	666580.206		ug/L						
Na	23	11908.01088	99820461	ug/L	73.485					
Mg	24	3078.192072	17340410	ug/L	38.649					
Mg	25	3066.425024	2423098	ug/L	74.181					
Al	27	1041.686331	8822251	ug/L	5.988					
Si	28	31341622.42		ug/L						
P	31	50.47194	42918.72	ug/L	2.856					
S	32	83739225.29		ug/L						
Cl	35	8615125.023		ug/L						
K	39	1987.231698	23145508	ug/L	35.094					
Ca	44	18294.38233	6840826	ug/L	33.024					
Sc	45	212049.916		ug/L						
Ti	47	55.199159	52800.42	ug/L	0.124					
Ti	48	67.945652	663998.6	ug/L	0.357					
V	51	2.075327	66872.05	ug/L	0.021					
ClO	51	68308.694		ug/L						
Cr	52	2.644151	37419.56	ug/L	0.005					
Cr	53	0.55875	14051.66	ug/L	0.044					
Fe	54	2639.727608	2227950	ug/L	4.656					
Mn	55	263.145988	4436716	ug/L	0.732					
Fe	56	2675.809705	40841898	ug/L	35.384					
Fe	57	2629.126484	900989.2	ug/L	2.658					
Co	59	0.947916	12175.6	ug/L	0.004					
Ni	60	2.654536	7808.43	ug/L	0.036					
Ni	62	2.553791	1194.09	ug/L	0.031					
Cu	63	2.039488	13086.21	ug/L	0.016					
Zn	64	6.362196	19557.74	ug/L	0.024					
Cu	65	2.011186	6153.144	ug/L	0.05					
Zn	66	5.567005	10125.4	ug/L	0.031					
Zn	68	5.766444	7601.589	ug/L	0.246					
Ge	72	164694.571		ug/L						
As	75	7.641156	12563.56	ug/L	0.084					
Se	74	149.177502	17410.85	mg/L	51.835					
ArCl	77	849.382		ug/L						

Br	79	52205.69	ug/L						
Br	81	76804.922	ug/L						
Y	89	482979.689	ug/L						
Mo	95	0.861754	3991.583	ug/L	0.004				
Rh	103	423763.956	ug/L						
Ag	107	0.127744	2050.255	ug/L	0.028				
Ag	109	0.134361	2057.924	ug/L	0.031				
Cd	111	0.051231	181.004	ug/L	0.005				
Cd	114	0.055045	447.349	ug/L	0.004				
In	115	552112.828	ug/L						
Sb	121	0.355304	4802.316	ug/L	0.007				
Sb	123	0.35907	3683.105	ug/L	0.013				
Ba	137	9.950598	56163.85	ug/L	0.019				
Ba	138	10.087274	364355.4	ug/L	0.07				
Tb	159	731692.655	ug/L						
Ho	165	727857.136	ug/L						
Hg	200	0.017073	58.334	ug/L	0				
Hg	202	0.012401	64.668	ug/L	0.005				
Tl	205	0.042365	1820.201	ug/L	0.002				
Pb	208	0.690504	31973.84	ug/L	0.001				
Bi	209	514955.592	ug/L						
Se	77	1.046333	841.372	mg/L	0.284				
Se	78	-0.845565	14455.65	mg/L	0.443				
Se	82	0.954512	165.318	mg/L	0.031				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	118.475							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.867
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.422
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.625
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.11
Sample Date/Time Thursday August 25 2011 1:36:54
Autosampl Position: 68
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.11.18242
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11323.048		ug/L						
Be	9	0.002365	8.333	ug/L	0.006					
B	10	8.605676	940.391	ug/L	0.335					
B	11	8.961393	4649.902	ug/L	0.004					
C	12	693432.468		ug/L						
Na	23	16644.31156	1.24E+08	ug/L	135.775					
Mg	24	4518.10662	22620399	ug/L	133.83					
Mg	25	4528.177896	3180088	ug/L	86.082					
Al	27	11.176833	90231.56	ug/L	0.47					
Si	28	19394959.79		ug/L						
P	31	16.87085	25341.13	ug/L	0.096					
S	32	80993393.81		ug/L						
Cl	35	8513113.276		ug/L						
K	39	2746.788482	28139601	ug/L	19.19					
Ca	44	20844.62831	6922736	ug/L	54.258					
Sc	45	188468.239		ug/L						
Ti	47	1.225339	1251.432	ug/L	0.074					
Ti	48	18.75559	161146.1	ug/L	0.781					
V	51	0.226197	38918.86	ug/L	0.049					
ClO	51	39399.257		ug/L						
Cr	52	-0.052815	7969.272	ug/L	0.022					
Cr	53	-0.935322	10820.88	ug/L	0.125					
Fe	54	102.724851	185887.6	ug/L	3.083					
Mn	55	31.849961	478798.5	ug/L	0.068					
Fe	56	93.261498	4085128	ug/L	3.995					
Fe	57	161.806387	57312.48	ug/L	2.058					
Co	59	0.05968	777.374	ug/L	0.004					
Ni	60	0.659969	1793.195	ug/L	0.013					
Ni	62	0.135108	110.668	ug/L	0.007					
Cu	63	0.382058	2335.99	ug/L	0.008					
Zn	64	1.989919	6304.303	ug/L	0.036					
Cu	65	0.274861	824.046	ug/L	0.008					
Zn	66	1.603179	3105.228	ug/L	0.028					
Zn	68	1.901263	2642.077	ug/L	0.077					
Ge	72	163596.235		ug/L						
As	75	7.544242	12323.3	ug/L	0.141					
Se	74	448.818443	20159.77	mg/L	96.429					
ArCl	77	878.385		ug/L						

Br	79	42135.252	ug/L						
Br	81	65103.411	ug/L						
Y	89	449464.355	ug/L						
Mo	95	2.894349	12700.99	ug/L	0.013				
Rh	103	423546.218	ug/L						
Ag	107	0.078113	1435.464	ug/L	0.03				
Ag	109	0.073296	1329.113	ug/L	0.025				
Cd	111	0.036937	135.669	ug/L	0.003				
Cd	114	0.03617	307.675	ug/L	0				
In	115	548319.08	ug/L						
Sb	121	0.218002	3417.677	ug/L	0.012				
Sb	123	0.213282	2555.464	ug/L	0.007				
Ba	137	7.131682	39990.5	ug/L	0.024				
Ba	138	7.247804	260073.3	ug/L	0				
Tb	159	725907.88	ug/L						
Ho	165	715556.424	ug/L						
Hg	200	0.131073	340.01	ug/L	0.005				
Hg	202	0.091169	320.342	ug/L	0				
Tl	205	0.011465	795.376	ug/L	0.003				
Pb	208	0.15544	7612.337	ug/L	0.004				
Bi	209	510188.033	ug/L						
Se	77	0.560158	780.034	mg/L	0.762				
Se	78	-1.176017	14321.3	mg/L	0.174				
Se	82	0.867093	149.119	mg/L	0.215				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.299							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.221
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.753
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.975
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.12
Sample Date/Time Thursday August 25 2011 1:43:39
Autosampl Position: 69
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.12.18243
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10093.604		ug/L						
Be	9	0.008953	12.667	ug/L	0.014					
B	10	201.551806	22269.13	ug/L	4.868					
B	11	205.602751	109743.5	ug/L	5.584					
C	12	1021006.584		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	22807.89646	1.31E+08	ug/L	249.214					
Mg	25	22853.48198	18361434	ug/L	305.272					
Al	27	8.442852	79689.04	ug/L	0.302					
Si	28	38279844.18		ug/L						
P	31	33.784948	36386.43	ug/L	3.207					
S	32	84746605.81		ug/L						
Cl	35	14913139.26		ug/L						
K	39	6234.058928	71927023	ug/L	252.556					
Ca	44	59325.57798	22462883	ug/L	1676.147					
Sc	45	215648.295		ug/L						
Ti	47	1.982983	2164.613	ug/L	0.095					
Ti	48	50.905599	505536.3	ug/L	2.985					
V	51	0.506434	48100.17	ug/L	0.08					
ClO	51	49474.887		ug/L						
Cr	52	-0.001629	9668.13	ug/L	0.003					
Cr	53	1.547744	15556.46	ug/L	0.209					
Fe	54	4943.429192	4129639	ug/L	43.652					
Mn	55	469.831733	8052052	ug/L	12.684					
Fe	56	4930.986408	73701870	ug/L	132.795					
Fe	57	4768.940926	1653791	ug/L	74.674					
Co	59	0.13125	1816.2	ug/L	0.005					
Ni	60	9.874938	29251.95	ug/L	0.233					
Ni	62	8.24983	3776.489	ug/L	0.097					
Cu	63	1.335238	8788.334	ug/L	0.012					
Zn	64	3.103012	10436.71	ug/L	0.128					
Cu	65	0.207189	736.037	ug/L	0.009					
Zn	66	2.767377	5531.405	ug/L	0.135					
Zn	68	4.095977	5695.174	ug/L	0.053					
Ge	72	159784.026		ug/L						
As	75	15.668559	24868.27	ug/L	0.171					
Se	74	187.746181	17233.76	mg/L	366.488					
ArCl	77	1602.157		ug/L						

Br	79	713960.642	ug/L						
Br	81	794329.873	ug/L						
Y	89	464148.708	ug/L						
Mo	95	2.249845	9699.268	ug/L	0.009				
Rh	103	411798.515	ug/L						
Ag	107	0.801511	10156.78	ug/L	0.026				
Ag	109	0.787228	9658.564	ug/L	0.024				
Cd	111	0.011795	58.001	ug/L	0.002				
Cd	114	0.020517	194.004	ug/L	0.002				
In	115	547675.978	ug/L						
Sb	121	0.194789	3185.923	ug/L	0				
Sb	123	0.200548	2457.085	ug/L	0.008				
Ba	137	59.477039	332755.9	ug/L	0.337				
Ba	138	60.301466	2159359	ug/L	0.343				
Tb	159	752560.414	ug/L						
Ho	165	747310.456	ug/L						
Hg	200	0.01428	52.667	ug/L	0				
Hg	202	0.008884	54.334	ug/L	0.002				
Tl	205	0.001758	505.352	ug/L	0.001				
Pb	208	0.10342	5532.048	ug/L	0.003				
Bi	209	465482.47	ug/L						
Se	77	6.901848	1580.137	mg/L	0.015				
Se	78	-1.078586	14360.91	mg/L	0.567				
Se	82	8.879688	1633.878	mg/L	0.461				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	120.485							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	
|	Mn	
|	Fe	
|	Fe	
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	93.979
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	96.64
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	100.234
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.13
Sample Date/Time Thursday August 25 2011 1:50:24
Autosampl Position: 70
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.13.18244
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9782.594		ug/L						
Be	9	-0.002693	7	ug/L	0.016					
B	10	24.489414	2764.448	ug/L	0.026					
B	11	25.052182	13587.28	ug/L	0.644					
C	12	771121.764		ug/L						
Na	23	14616.06565	1.22E+08	ug/L	250.467					
Mg	24	3489.155443	19583873	ug/L	99.204					
Mg	25	3464.720684	2728107	ug/L	27.133					
Al	27	14.083336	125688.9	ug/L	0.179					
Si	28	25518679.35		ug/L						
P	31	0.993454	21627.86	ug/L	0.098					
S	32	89135906.65		ug/L						
Cl	35	9521188.653		ug/L						
K	39	1917.929258	22288801	ug/L	26.226					
Ca	44	11954.89962	4468537	ug/L	21.853					
Sc	45	211313.172		ug/L						
Ti	47	1.526265	1688.174	ug/L	0.105					
Ti	48	11.172127	106496.3	ug/L	0.576					
V	51	-0.168805	38721.34	ug/L	0.02					
ClO	51	39692.195		ug/L						
Cr	52	0.226281	11871.08	ug/L	0.028					
Cr	53	-0.543693	12623.55	ug/L	0.114					
Fe	54	5969.452032	4860565	ug/L	8.169					
Mn	55	2441.199374	41000072	ug/L	0.537					
Fe	56	6103.001695	88635682	ug/L	60.408					
Fe	57	6028.048819	2047003	ug/L	458.983					
Co	59	4.977742	63223.38	ug/L	0.052					
Ni	60	2.909806	8520.411	ug/L	0.048					
Ni	62	2.539485	1183.756	ug/L	0.044					
Cu	63	0.58913	3920.885	ug/L	0.008					
Zn	64	1.445373	5521.708	ug/L	0.016					
Cu	65	0.477798	1532.478	ug/L	0.007					
Zn	66	1.176128	2769.449	ug/L	0.021					
Zn	68	1.416454	2384.003	ug/L	0.039					
Ge	72	168250.703		ug/L						
As	75	0.69596	1283.891	ug/L	0.067					
Se	74	-261.77216	13739.81	mg/L	215.542					
ArCl	77	869.05		ug/L						

Br	79	81031.451	ug/L			
Br	81	106947.799	ug/L			
Y	89	501305.705	ug/L			
Mo	95	0.052984	503.019	ug/L	0.002	
Rh	103	438129.225	ug/L			
Ag	107	0.630169	8366.266	ug/L	0.028	
Ag	109	0.619148	7959.563	ug/L	0.027	
Cd	111	0.054969	197.671	ug/L	0.001	
Cd	114	0.061088	504.686	ug/L	0.004	
In	115	566693.328	ug/L			
Sb	121	0.055254	1877.546	ug/L	0.002	
Sb	123	0.057746	1425.321	ug/L	0.009	
Ba	137	4.912485	28484.18	ug/L	0.002	
Ba	138	4.965618	184250	ug/L	0.022	
Tb	159	742915.267	ug/L			
Ho	165	744766.971	ug/L			
Hg	200	0.006207	31.667	ug/L	0.001	
Hg	202	0.004921	40.667	ug/L	0.001	
Tl	205	0.013318	890.386	ug/L	0.001	
Pb	208	0.039731	2562.499	ug/L	0.001	
Bi	209	513999.985	ug/L			
Se	77	1.162593	856.04	mg/L	0.12	
Se	78	-0.588761	14560.06	mg/L	0.158	
Se	82	1.316442	232.385	mg/L	0.025	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	118.063							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.959
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.995
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.893
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.14
Sample Date/Time Thursday August 25 2011 1:57:10
Autosampl Position: 71
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.14.18245
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10823.774		ug/L						
Be	9	-0.006817	4.333	ug/L	0.001					
B	10	7.026637	742.704	ug/L	0.117					
B	11	6.967879	3507.045	ug/L	0.06					
C	12	681964.74		ug/L						
Na	23	298.968695	2169220	ug/L	0.1					
Mg	24	10.206048	49030.14	ug/L	0.145					
Mg	25	10.442758	7000.063	ug/L	0.327					
Al	27	5.958655	48014.63	ug/L	0.075					
Si	28	566452.879		ug/L						
P	31	8.151881	20729.02	ug/L	1.971					
S	32	85526606.15		ug/L						
Cl	35	8507345.991		ug/L						
K	39	122.04179	1869737	ug/L	2.225					
Ca	44	49.565238	48654.72	ug/L	4.642					
Sc	45	177477.156		ug/L						
Ti	47	0.07797	264.006	ug/L	0.015					
Ti	48	0.199966	-644.189	ug/L	0.018					
V	51	0.213445	36515.9	ug/L	0.003					
ClO	51	37643.824		ug/L						
Cr	52	0.03056	8240.841	ug/L	0.001					
Cr	53	0.536946	11738.69	ug/L	0.118					
Fe	54	6.145472	110720.1	ug/L	1.128					
Mn	55	0.172841	4065.95	ug/L	0.003					
Fe	56	14.666466	2923334	ug/L	4.364					
Fe	57	9.60309	10780.8	ug/L	0.11					
Co	59	-0.001266	83.001	ug/L	0					
Ni	60	0.055837	220.672	ug/L	0.003					
Ni	62	0.053499	74.001	ug/L	0.003					
Cu	63	0.073095	568.023	ug/L	0.003					
Zn	64	0.753135	2985.063	ug/L	0.035					
Cu	65	0.073106	267.673	ug/L	0.006					
Zn	66	0.753298	1733.849	ug/L	0.023					
Zn	68	0.715695	1299.773	ug/L	0.006					
Ge	72	167198.211		ug/L						
As	75	0.055797	218.15	ug/L	0.019					
Se	74	672.388434	22790.47	mg/L	219.523					
ArCl	77	729.37		ug/L						

Br	79	8736.285	ug/L						
Br	81	30592.36	ug/L						
Y	89	471576.667	ug/L						
Mo	95	0.008539	304.675	ug/L	0.001				
Rh	103	447967.743	ug/L						
Ag	107	0.244872	3632.763	ug/L	0.008				
Ag	109	0.23767	3422.679	ug/L	0.006				
Cd	111	-0.000539	21	ug/L	0				
Cd	114	0.041244	362.678	ug/L	0				
In	115	577412.691	ug/L						
Sb	121	0.018956	1536.812	ug/L	0.002				
Sb	123	0.022886	1175.695	ug/L	0.005				
Ba	137	0.166284	1030.069	ug/L	0.007				
Ba	138	0.16674	6583.907	ug/L	0.001				
Tb	159	761223.082	ug/L						
Ho	165	739014.122	ug/L						
Hg	200	0.002663	22.334	ug/L	0.002				
Hg	202	-0.000332	22.667	ug/L	0.001				
Tl	205	-0.000084	438.682	ug/L	0				
Pb	208	0.003814	891.359	ug/L	0				
Bi	209	538877.74	ug/L						
Se	77	-0.412187	657.357	mg/L	0.314				
Se	78	-0.271437	14689.08	mg/L	0.564				
Se	82	0.324484	48.572	mg/L	0.121				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.158							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	98.34
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	101.887
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	99.122
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.15
Sample Date/Time Thursday August 25 2011 2:03:56
Autosampl Position: 72
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.15.18246
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9487.616		ug/L						
Be	9	0.027327	22.667	ug/L	0.004					
B	10	230.998298	27349.02	ug/L	0.831					
B	11	226.784767	129758.6	ug/L	2.407					
C	12	887785.982		ug/L						
Na	23	26202.38843	2.39E+08	ug/L	177.585					
Mg	24	16848.24868	1.03E+08	ug/L	52.11					
Mg	25	17033.83097	14673455	ug/L	326.783					
Al	27	265.448272	2456836	ug/L	1.15					
Si	28	50171928.12		ug/L						
P	31	504.448151	259037.6	ug/L	3.571					
S	32	89887124.69		ug/L						
Cl	35	8807429.393		ug/L						
K	39	25549.89561	3.13E+08	ug/L	706.101					
Ca	44	54611.14744	22180327	ug/L	921.476					
Sc	45	231197.726		ug/L						
Ti	47	20.806898	21862.14	ug/L	0.416					
Ti	48	65.909783	701975.9	ug/L	4.746					
V	51	0.415053	50310	ug/L	0.059					
ClO	51	51529.151		ug/L						
Cr	52	1.394197	26419.66	ug/L	0.022					
Cr	53	-0.619717	13705.13	ug/L	0.25					
Fe	54	21409.5024	18713800	ug/L	28.628					
Mn	55	1095.434413	20130165	ug/L	1.951					
Fe	56	21444.19398	3.32E+08	ug/L	212.701					
Fe	57	21735.42058	8043960	ug/L	679.563					
Co	59	3.648601	50738.04	ug/L	0.012					
Ni	60	10.899261	34612.79	ug/L	0.114					
Ni	62	9.500723	4651.236	ug/L	0.097					
Cu	63	2.837041	19752.97	ug/L	0.052					
Zn	64	3.848037	13507.79	ug/L	0.111					
Cu	65	2.711156	9004.881	ug/L	0.044					
Zn	66	2.967754	6297.577	ug/L	0.105					
Zn	68	4.360175	6451.019	ug/L	0.09					
Ge	72	167570.285		ug/L						
As	75	81.249814	134718	ug/L	0.42					
Se	74	-661.175984	9758.716	mg/L	236.001					
ArCl	77	890.719		ug/L						

Br	79	228730.6	ug/L			
Br	81	263316.094	ug/L			
Y	89	463994.555	ug/L			
Mo	95	0.83438	3940.893	ug/L	0.005	
Rh	103	418368.76	ug/L			
Ag	107	0.024849	791.042	ug/L	0	
Ag	109	0.022201	730.703	ug/L	0.001	
Cd	111	0.027047	104.668	ug/L	0	
Cd	114	0.073055	572.357	ug/L	0.003	
In	115	546091.617	ug/L			
Sb	121	0.099382	2241.632	ug/L	0.01	
Sb	123	0.109256	1762.038	ug/L	0.006	
Ba	137	66.944821	373465.8	ug/L	0.025	
Ba	138	68.039053	2429227	ug/L	1.011	
Tb	159	754873.801	ug/L			
Ho	165	742750.127	ug/L			
Hg	200	0.011684	45.667	ug/L	0.001	
Hg	202	0.005247	41.667	ug/L	0.001	
Tl	205	0.001588	496.685	ug/L	0.001	
Pb	208	0.649168	30718.24	ug/L	0.002	
Bi	209	482071.566	ug/L			
Se	77	1.384544	884.043	mg/L	0.105	
Se	78	-1.977163	13995.58	mg/L	0.259	
Se	82	2.784942	504.503	mg/L	0.125	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	129.173							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.559
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.36
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.623
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.15 MS
Sample Date/Time Thursday August 25 2011 2:10:43
Autosampl Position: 73
Sample Descriptior Aqtot post-digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: MS.18247
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9272.727		ug/L						
Be	9	715.572723	329875.6	ug/L	3.022					
B	10	228.984895	25048.38	ug/L	5.471					
B	11	220.269361	116455.6	ug/L	2.579					
C	12	1443503.111		ug/L						
Na	23	34613.8487	2.92E+08	ug/L	1082.658					
Mg	24	25612.11304	1.45E+08	ug/L	174.079					
Mg	25	25709.18643	20463133	ug/L	426.164					
Al	27	9357.416759	79768848	ug/L	317.36					
Si	28	46096250.59		ug/L						
P	31	8816.439952	3829410	ug/L	298.913					
S	32	89956202.21		ug/L						
Cl	35	10400815.05		ug/L						
K	39	35586.45738	4.03E+08	ug/L	1124.701					
Ca	44	63975.8417	23997560	ug/L	1417.727					
Sc	45	213626.325		ug/L						
Ti	47	42.768844	41267.2	ug/L	0.391					
Ti	48	74.382822	732581.7	ug/L	0.106					
V	51	849.692505	10726591	ug/L	10.365					
ClO	51	11004084.48		ug/L						
Cr	52	820.501922	8729412	ug/L	14.902					
Cr	53	783.910257	1005477	ug/L	6.997					
Fe	54	30426.93249	24514150	ug/L	1389.387					
Mn	55	1935.945715	32864758	ug/L	62.959					
Fe	56	31060.85431	4.42E+08	ug/L	1313.444					
Fe	57	31002.59372	10596524	ug/L	1199.321					
Co	59	808.410309	10360006	ug/L	28.097					
Ni	60	739.783431	2163532	ug/L	19.558					
Ni	62	721.035763	321244.9	ug/L	19.678					
Cu	63	744.294876	4730852	ug/L	14.934					
Zn	64	770.71879	2214796	ug/L	10.627					
Cu	65	752.531399	2281548	ug/L	15.978					
Zn	66	754.472699	1272325	ug/L	13.792					
Zn	68	748.2983	903451.3	ug/L	0.175					
Ge	72	163289.597		ug/L						
As	75	1106.138055	1785332	ug/L	26.69					
Se	74	478.409637	20388.62	mg/L	266.071					
ArCl	77	127053.031		ug/L						

Br	79	216865.006		ug/L					
Br	81	250653.069		ug/L					
Y	89	443623.288		ug/L					
Mo	95	1111.23479	4765678	ug/L	47.913				
Rh	103	413678.171		ug/L					
Ag	107	843.138534	10066176	ug/L	31.684				
Ag	109	814.992488	9415959	ug/L	4.17				
Cd	111	1035.761954	3163144	ug/L	23.583				
Cd	114	1057.156694	7571874	ug/L	11.553				
In	115	542456.845		ug/L					
Sb	121	1177.14707	11462621	ug/L	29.721				
Sb	123	1170.545067	8756467	ug/L	33.344				
Ba	137	1154.91542	6399291	ug/L	0.706				
Ba	138	1160.428906	41150820	ug/L	4.755				
Tb	159	737050.659		ug/L					
Ho	165	725409.038		ug/L					
Hg	200	1.043656	2637.742	ug/L	0.008				
Hg	202	1.061519	3532.388	ug/L	0.012				
Tl	205	1014.932335	33067453	ug/L	2.683				
Pb	208	992.445679	44792796	ug/L	5.115				
Bi	209	473182.273		ug/L					
Se	77	1000.431106	126929.4	mg/L	16.413				
Se	78	1007.167322	424285.3	mg/L	10.216				
Se	82	978.822734	181367.4	mg/L	4.14				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	119.355							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.041
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.719
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.297
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID:	102455.15 MSD									
Sample Date/Time	Thursday	August	25	2011	2:17:29					
Autosampl Position:	74									
Sample Description	Aqtot	post-digestion								
Batch ID:										
Method File:	C:\Elandata\Method\tim.mth									
Dataset File:	C:\Elandata\D	MSD.18248								
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9266.053		ug/L						
Be	9	703.128895	326869	ug/L	14.344					
B	10	227.652589	25117.24	ug/L	3.117					
B	11	221.923866	118325.3	ug/L	3.665					
C	12	1422655.124		ug/L						
Na	23	34624.74276	2.95E+08	ug/L	186.551					
Mg	24	25725.48934	1.47E+08	ug/L	38.472					
Mg	25	25734.06085	20658277	ug/L	76.811					
Al	27	9143.610026	78620168	ug/L	119.372					
Si	28	45674046.43		ug/L						
P	31	8896.669624	3897567	ug/L	73.28					
S	32	88678268.07		ug/L						
Cl	35	10372255.45		ug/L						
K	39	35237.13137	4.02E+08	ug/L	247.547					
Ca	44	63586.49795	24056243	ug/L	1095.219					
Sc	45	215436.149		ug/L						
Ti	47	42.013327	40885.56	ug/L	1.983					
Ti	48	72.067682	715768.5	ug/L	5.23					
V	51	835.79615	10641908	ug/L	2.389					
ClO	51	10865546.99		ug/L						
Cr	52	811.108712	8703543	ug/L	1.915					
Cr	53	775.600591	1003429	ug/L	6.27					
Fe	54	29939.46143	24333787	ug/L	159.489					
Mn	55	1902.598843	32578534	ug/L	15.754					
Fe	56	30240.88927	4.35E+08	ug/L	683.038					
Fe	57	30999.58282	10687364	ug/L	409.521					
Co	59	794.689728	10272444	ug/L	0.823					
Ni	60	722.674713	2131719	ug/L	0.7					
Ni	62	702.512559	315691.3	ug/L	3.385					
Cu	63	732.067621	4693084	ug/L	0.64					
Zn	64	761.581825	2207255	ug/L	3.009					
Cu	65	734.332985	2245504	ug/L	0.562					
Zn	66	732.529463	1245921	ug/L	6.805					
Zn	68	736.137322	896306.5	ug/L	1.489					
Ge	72	162713.932		ug/L						
As	75	1093.500945	1759034	ug/L	1.007					
Se	74	337.876061	18992.49	mg/L	209.661					
ArCl	77	125306.602		ug/L						

Br		79	211803.03	ug/L						
Br		81	246921.103	ug/L						
Y		89	445434.854	ug/L						
Mo		95	1120.241254	4788930	ug/L	3.368				
Rh		103	408382.114	ug/L						
Ag		107	857.908384	10139484	ug/L	16.295				
Ag		109	865.17475	9893832	ug/L	8.141				
Cd		111	1047.135619	3164978	ug/L	19.18				
Cd		114	1069.566593	7583087	ug/L	0.17				
In		115	536968.972	ug/L						
Sb		121	1189.361007	11460638	ug/L	46.926				
Sb		123	1187.944715	8794151	ug/L	39.856				
Ba		137	1151.918554	6317010	ug/L	28.906				
Ba		138	1164.266612	40865748	ug/L	15.465				
Tb		159	742329.834	ug/L						
Ho		165	728326.23	ug/L						
Hg		200	1.017737	2583.059	ug/L	0.013				
Hg		202	1.007649	3367.991	ug/L	0.016				
Tl		205	994.987837	32548460	ug/L	2.535				
Pb		208	982.394132	44516199	ug/L	4.812				
Bi		209	472820.315	ug/L						
Se		77	967.560371	122782.3	mg/L	0.773				
Se		78	982.142281	414110.9	mg/L	11.11				
Se		82	964.616859	178735	mg/L	0.93				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	120.367							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.702
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.75
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.688
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 2:24:15
Autosampl Position: 75
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18249
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9545.013		ug/L						
Be	9	0.07562	38	ug/L	0.019					
B	10	1.541808	262.006	ug/L	0.058					
B	11	1.784649	1315.775	ug/L	0.244					
C	12	465639.42		ug/L						
Na	23	4.382671	110552.5	ug/L	0.604					
Mg	24	3.944566	20705.65	ug/L	0.106					
Mg	25	3.923827	2850.732	ug/L	0.124					
Al	27	19.325862	151402.2	ug/L	0.161					
Si	28	102788.077		ug/L						
P	31	0.003643	18918.33	ug/L	3.927					
S	32	87823433.74		ug/L						
Cl	35	9623154.261		ug/L						
K	39	8.920812	857487	ug/L	3.244					
Ca	44	7.732326	37815.6	ug/L	3.307					
Sc	45	188334.123		ug/L						
Ti	47	0.074654	277.674	ug/L	0.021					
Ti	48	0.165122	-988.638	ug/L	0.002					
V	51	0.43207	41170.44	ug/L	0.025					
ClO	51	42658.962		ug/L						
Cr	52	0.109831	9485.502	ug/L	0.018					
Cr	53	1.157594	13144.96	ug/L	0.235					
Fe	54	20.895668	127877.9	ug/L	5.045					
Mn	55	0.191923	4601.211	ug/L	0.006					
Fe	56	26.726379	3254060	ug/L	7.385					
Fe	57	16.398318	13488.02	ug/L	0.342					
Co	59	0.096349	1192.09	ug/L	0.006					
Ni	60	0.261068	763.373	ug/L	0.002					
Ni	62	0.237193	151.003	ug/L	0.063					
Cu	63	0.364949	2236.964	ug/L	0.02					
Zn	64	6.38876	17431.97	ug/L	0.178					
Cu	65	0.365066	1063.406	ug/L	0.035					
Zn	66	6.582182	10497.16	ug/L	0.221					
Zn	68	6.321339	7339.035	ug/L	0.162					
Ge	72	177284.066		ug/L						
As	75	0.639551	1253.15	ug/L	0.105					
Se	74	-13.611527	17041.79	mg/L	96.689					
ArCl	77	881.052		ug/L						

Br	79	10083.389	ug/L						
Br	81	34462.576	ug/L						
Y	89	495322.674	ug/L						
Mo	95	2.640425	12573.84	ug/L	0.244				
Rh	103	486515.533	ug/L						
Ag	107	4.754558	64358.66	ug/L	0.037				
Ag	109	4.796601	62827.38	ug/L	0.101				
Cd	111	0.111852	408.013	ug/L	0.004				
Cd	114	0.105385	899.387	ug/L	0.008				
In	115	609841.844	ug/L						
Sb	121	8.179564	90961.91	ug/L	0.91				
Sb	123	8.24444	70386.67	ug/L	0.958				
Ba	137	0.142044	937.058	ug/L	0.013				
Ba	138	0.12953	5469.737	ug/L	0.012				
Tb	159	799082.836	ug/L						
Ho	165	800107.035	ug/L						
Hg	200	0.01101	47.334	ug/L	0.001				
Hg	202	0.009206	59.334	ug/L	0.001				
Tl	205	0.166494	6461.361	ug/L	0.003				
Pb	208	0.158275	8653.044	ug/L	0.008				
Bi	209	545885.379	ug/L						
Se	77	1.247146	866.708	mg/L	0.03				
Se	78	2.828188	15949.3	mg/L	0.353				
Se	82	1.246565	219.436	mg/L	0.201				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.224							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	104.272
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	107.609
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	107.316
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 2:31:01
Autosampl Position: 76
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18250
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9427.553		ug/L						
Be	9	0.024655	17	ug/L	0.003					
B	10	1.309621	234.339	ug/L	0.159					
B	11	1.236911	1039.403	ug/L	0.075					
C	12	462401.04		ug/L						
Na	23	7.937355	134000.4	ug/L	0.076					
Mg	24	2.318802	12286.2	ug/L	0.102					
Mg	25	2.30942	1680.325	ug/L	0.323					
Al	27	20.661199	157857.7	ug/L	0.063					
Si	28	97520		ug/L						
P	31	1.717805	19115.34	ug/L	2.446					
S	32	84119151.66		ug/L						
Cl	35	9737115.824		ug/L						
K	39	11.302748	861990.7	ug/L	0.606					
Ca	44	7.094781	36781.26	ug/L	0.091					
Sc	45	184139.548		ug/L						
Ti	47	0.060283	259.34	ug/L	0.04					
Ti	48	0.1434	-1151.65	ug/L	0.013					
V	51	0.552798	41564.56	ug/L	0.074					
ClO	51	42737.652		ug/L						
Cr	52	0.073413	8942.833	ug/L	0.009					
Cr	53	1.775005	13528.53	ug/L	0.317					
Fe	54	20.675612	124925.8	ug/L	3.705					
Mn	55	0.08264	2898.158	ug/L	0.001					
Fe	56	28.957353	3207631	ug/L	0.575					
Fe	57	13.07985	12209.41	ug/L	0.21					
Co	59	0.022676	350.677	ug/L	0					
Ni	60	0.287945	814.045	ug/L	0.011					
Ni	62	0.26066	156.336	ug/L	0.007					
Cu	63	0.404618	2406.009	ug/L	0.01					
Zn	64	4.132879	11464.97	ug/L	0.088					
Cu	65	0.405446	1146.417	ug/L	0.001					
Zn	66	4.215212	6828.967	ug/L	0.133					
Zn	68	4.05551	4821.66	ug/L	0.09					
Ge	72	174083.038		ug/L						
As	75	0.174863	431.522	ug/L	0.052					
Se	74	123.697975	18131.99	mg/L	164.439					
ArCl	77	842.714		ug/L						

Br	79	5391.32	ug/L						
Br	81	27696.072	ug/L						
Y	89	482553.431	ug/L						
Mo	95	0.889864	4347.75	ug/L	0.003				
Rh	103	474816.527	ug/L						
Ag	107	1.554021	20498.29	ug/L	0.001				
Ag	109	1.524517	19469.37	ug/L	0.033				
Cd	111	0.03091	124.669	ug/L	0.001				
Cd	114	0.033535	307.342	ug/L	0				
In	115	584000.061	ug/L						
Sb	121	2.431169	26842.19	ug/L	0.052				
Sb	123	2.46642	20866.42	ug/L	0.027				
Ba	137	0.075132	498.352	ug/L	0				
Ba	138	0.074257	3128.364	ug/L	0.001				
Tb	159	796010.554	ug/L						
Ho	165	784778.374	ug/L						
Hg	200	0.009506	42.334	ug/L	0				
Hg	202	0.009432	59.001	ug/L	0.002				
Tl	205	0.038068	1810.532	ug/L	0.002				
Pb	208	0.1052	5896.81	ug/L	0.001				
Bi	209	544758.222	ug/L						
Se	77	1.289423	872.042	mg/L	0.329				
Se	78	0.709925	15088.07	mg/L	0.241				
Se	82	0.41758	65.823	mg/L	0.15				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.881							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.389
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.049
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.26
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	1						
Sample	Date/Time	Thursday	August	25	2011	2:37:42				
Autosampl	Position:	5								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	1.18251						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9339.462		ug/L						
Be	9	-0.001197	6.667	ug/L	0.004					
B	10	0.113105	120.669	ug/L	0.006					
B	11	0.26562	592.359	ug/L	0.067					
C	12	434297.531		ug/L						
Na	23	-5.135054	38495.31	ug/L	0.207					
Mg	24	0.449477	3110.852	ug/L	0.101					
Mg	25	0.542567	463.392	ug/L	0.063					
Al	27	0.32981	8361.381	ug/L	0.132					
Si	28	72115.453		ug/L						
P	31	-1.839519	17605.57	ug/L	4.537					
S	32	86030296.41		ug/L						
Cl	35	8373867.934		ug/L						
K	39	0.752597	750522.2	ug/L	0.887					
Ca	44	-8.697278	31313.63	ug/L	2.48					
Sc	45	182038.204		ug/L						
Ti	47	0.003605	210.005	ug/L	0.011					
Ti	48	0.056436	-1870.05	ug/L	0.011					
V	51	0.265536	37998.31	ug/L	0.135					
ClO	51	38906.81		ug/L						
Cr	52	0.034356	8484.366	ug/L	0.028					
Cr	53	0.757897	12273.4	ug/L	0.402					
Fe	54	0.752516	109910.5	ug/L	3.446					
Mn	55	-0.004785	1600.824	ug/L	0.004					
Fe	56	23.718262	3107301	ug/L	4.943					
Fe	57	2.002761	8845.185	ug/L	0.283					
Co	59	0.004772	151.336	ug/L	0.002					
Ni	60	0.001917	92.001	ug/L	0.004					
Ni	62	0.01516	61.334	ug/L	0.006					
Cu	63	0.0218	305.008	ug/L	0.002					
Zn	64	0.116017	1503.558	ug/L	0.018					
Cu	65	0.0229	145.003	ug/L	0.002					
Zn	66	0.119781	868.717	ug/L	0.003					
Zn	68	0.106247	706.701	ug/L	0.009					
Ge	72	170123.771		ug/L						
As	75	0.087369	274.075	ug/L	0.141					
Se	74	178.646166	18261.51	mg/L	352.765					
ArCl	77	731.37		ug/L						

Br	79	4610.548	ug/L						
Br	81	26582.411	ug/L						
Y	89	471606.49	ug/L						
Mo	95	0.294166	1586.154	ug/L	0.024				
Rh	103	457942.425	ug/L						
Ag	107	0.369221	5249.588	ug/L	0.064				
Ag	109	0.369272	5076.821	ug/L	0.067				
Cd	111	0.00818	49.667	ug/L	0.001				
Cd	114	0.007002	102.335	ug/L	0.002				
In	115	581253.433	ug/L						
Sb	121	1.009626	11883.89	ug/L	0.056				
Sb	123	1.008279	9081.788	ug/L	0.045				
Ba	137	0.010957	115.002	ug/L	0.002				
Ba	138	0.010524	692.227	ug/L	0.001				
Tb	159	769405.272	ug/L						
Ho	165	755575.275	ug/L						
Hg	200	0.001963	21	ug/L	0.001				
Hg	202	0.000482	26	ug/L	0.001				
Tl	205	0.010523	808.377	ug/L	0				
Pb	208	0.016714	1517.732	ug/L	0				
Bi	209	536048.725	ug/L						
Se	77	-0.369912	662.691	mg/L	0.344				
Se	78	1.162658	15272.14	mg/L	0.293				
Se	82	0.312961	46.437	mg/L	0.132				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.707							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.061
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	102.564
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.343
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	2						
Sample	Date/Time	Thursday	August	25	2011	2:44:52				
Autosampl	Position:	6								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	2.18252						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9394.185	ug/L							
Be	9	88.361311	34135.31	ug/L	0.421					
B	10	89.097011	8233.476	ug/L	0.774					
B	11	89.225407	39802.34	ug/L	0.537					
C	12	445063.414	ug/L							
Na	23	96.09532	753499.7	ug/L	0.616					
Mg	24	103.545276	493155.1	ug/L	3.633					
Mg	25	105.03414	70146.6	ug/L	0.454					
Al	27	102.90123	740882.9	ug/L	0.328					
Si	28	253699.823	ug/L							
P	31	-0.858959	17645.55	ug/L	2.137					
S	32	83244169.72	ug/L							
Cl	35	8428034.28	ug/L							
K	39	1056.391865	10727804	ug/L	3.854					
Ca	44	100.090683	64934.23	ug/L	0.236					
Sc	45	178987.57	ug/L							
Ti	47	102.948398	82940.46	ug/L	1.19					
Ti	48	103.931877	858463.6	ug/L	2.053					
V	51	101.839063	1107618	ug/L	1.123					
ClO	51	1133392.984	ug/L							
Cr	52	103.161521	926602.8	ug/L	2.52					
Cr	53	103.448763	120953.2	ug/L	1.37					
Fe	54	113.566786	183798.2	ug/L	7.043					
Mn	55	101.13629	1440201	ug/L	1.896					
Fe	56	112.473899	4106678	ug/L	10.534					
Fe	57	100.799833	36972.06	ug/L	0.951					
Co	59	102.522835	1101021	ug/L	2.01					
Ni	60	96.929473	237604.1	ug/L	1.411					
Ni	62	97.378668	36402.43	ug/L	0.548					
Cu	63	102.43068	545705.6	ug/L	0.438					
Zn	64	97.861117	236675.8	ug/L	1.002					
Cu	65	103.88534	263969.8	ug/L	2.322					
Zn	66	98.865953	140290.9	ug/L	1.535					
Zn	68	98.216991	99862.16	ug/L	0.405					
Ge	72	171888.641	ug/L							
As	75	106.640819	181313.1	ug/L	1.658					
Se	74	-504.573067	11567.31	mg/L	255.814					
ArCl	77	13893.749	ug/L							

Br	79	3530.054	ug/L			
Br	81	24756.577	ug/L			
Y	89	468614.57	ug/L			
Mo	95	99.83484	451135.8	ug/L	1.144	
Rh	103	454317.434	ug/L			
Ag	107	58.938032	754494.6	ug/L	0.47	
Ag	109	58.488819	724596.7	ug/L	0.704	
Cd	111	103.207147	337792.9	ug/L	0.464	
Cd	114	102.374296	785818.3	ug/L	0.548	
In	115	581339.243	ug/L			
Sb	121	98.944188	1033434	ug/L	5.358	
Sb	123	99.921683	801613.9	ug/L	7.504	
Ba	137	104.082337	618033.8	ug/L	1.979	
Ba	138	103.922429	3949397	ug/L	1.625	
Tb	159	761238.441	ug/L			
Ho	165	754656.573	ug/L			
Hg	200	1.024399	2693.426	ug/L	0.022	
Hg	202	1.002022	3470.364	ug/L	0.002	
Tl	205	104.807262	3552712	ug/L	0.527	
Pb	208	101.914034	4785176	ug/L	1.562	
Bi	209	542604.433	ug/L			
Se	77	101.543934	13520.72	mg/L	3.398	
Se	78	102.489118	56468.63	mg/L	1.09	
Se	82	100.74082	18656.03	mg/L	0.934	

QC	Calculated Values							
	Analyte	QC	Std	% Recovery	Int	Std	%	Recovery
|-	Li							
|	Be	87.486						
|	B	88.831						
|	B	88.959						
|	C							
|	Na	94.862						
|	Mg	102.52						
|	Mg	103.994						
|	Al	102.491						
|	Si							
|	P							
|	S							
|	Cl							
|	K	105.323						
|	Ca	99.198						
|>	Sc	100.002						
|	Ti	102.948						
|	Ti	103.932						
|	V	101.433						
|	ClO							
|	Cr	102.14						

|	Cr	102.425
|	Fe	112.889
|	Mn	100.733
|	Fe	111.803
|	Fe	100.199
|	Co	101.911
|	Ni	96.16
|	Ni	96.606
|	Cu	102.533
|	Zn	97.181
|	Cu	103.989
|	Zn	98.179
|-	Zn	97.534
|>	Ge	101.099
|	As	107.285
|	Se	-503.566
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	99.536
|-	Rh	
|	Ag	58.47
|	Ag	58.025
|	Cd	102.694
|	Cd	101.865
|>	In	102.58
|	Sb	98.648
|	Sb	99.623
|	Ba	103.359
|-	Ba	103.2
|-	Tb	
|>	Ho	101.22
|	Hg	102.44
|	Hg	100.202
|	Tl	104.807
|	Pb	101.914
|-	Bi	
	Se	101.341
	Se	102.285
	Se	100.54

Sample	ID:	QC	Std	5						
Sample	Date/Time	Thursday	August	25	2011	2:52:01				
Autosampl	Position:	7								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	5.18253						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9795.942		ug/L						
Be	9	37.42987	14568.48	ug/L	0.015					
B	10	145.641641	13487.14	ug/L	0.459					
B	11	146.683458	65596.47	ug/L	2.516					
C	12	442727.496		ug/L						
Na	23	-2.987741	53378.26	ug/L	0.288					
Mg	24	0.428253	2970.784	ug/L	0.07					
Mg	25	0.480427	416.718	ug/L	0.007					
Al	27	182.646992	1319777	ug/L	3.344					
Si	28	127912.977		ug/L						
P	31	-1.838266	17428.47	ug/L	2.105					
S	32	84622841.92		ug/L						
Cl	35	7905379.794		ug/L						
K	39	0.239715	738234	ug/L	2.518					
Ca	44	-2.027991	33126.9	ug/L	0.358					
Sc	45	180286.54		ug/L						
Ti	47	0.043971	240.672	ug/L	0.009					
Ti	48	0.083578	-1628.55	ug/L	0.022					
V	51	25.350508	303778.7	ug/L	0.956					
ClO	51	308730.865		ug/L						
Cr	52	50.168136	457963.7	ug/L	1.314					
Cr	53	49.783727	64495.31	ug/L	2.217					
Fe	54	197.46496	241820.6	ug/L	12.714					
Mn	55	107.811963	1545905	ug/L	3.342					
Fe	56	202.066871	5204149	ug/L	14.965					
Fe	57	189.996412	62946.81	ug/L	1.03					
Co	59	24.286064	262705.6	ug/L	0.846					
Ni	60	196.811909	485724.7	ug/L	6.171					
Ni	62	192.841434	72537.97	ug/L	5.29					
Cu	63	78.319347	420250	ug/L	1.38					
Zn	64	100.24223	244076	ug/L	3.771					
Cu	65	80.45003	205853.3	ug/L	3.274					
Zn	66	102.545444	146509.9	ug/L	2.754					
Zn	68	103.097215	105535.8	ug/L	1.949					
Ge	72	167126.242		ug/L						
As	75	47.444195	78511.69	ug/L	0.469					
Se	74	291.517263	19065.01	mg/L	294.128					
ArCl	77	21569.774		ug/L						

Br	79	3135.906	ug/L			
Br	81	24458.436	ug/L			
Y	89	462042.734	ug/L			
Mo	95	44.835974	197134.7	ug/L	1.113	
Rh	103	448995.904	ug/L			
Ag	107	53.140022	666327.7	ug/L	0.919	
Ag	109	52.986696	642996.8	ug/L	0.336	
Cd	111	24.404489	78245.75	ug/L	0.135	
Cd	114	24.333883	182981.8	ug/L	0.213	
In	115	569367.157	ug/L			
Sb	121	53.444961	547477.3	ug/L	0.159	
Sb	123	54.21517	426595.9	ug/L	0.028	
Ba	137	149.352013	868647.5	ug/L	0.565	
Ba	138	148.042542	5510582	ug/L	0.178	
Tb	159	758189.696	ug/L			
Ho	165	742466.214	ug/L			
Hg	200	1.052512	2722.435	ug/L	0.024	
Hg	202	1.014151	3455.358	ug/L	0.002	
Tl	205	14.716611	491192.3	ug/L	0.062	
Pb	208	107.894258	4984581	ug/L	0.633	
Bi	209	536831.052	ug/L			
Se	77	162.808005	21250.14	mg/L	0.884	
Se	78	163.278627	81183.93	mg/L	3.847	
Se	82	162.540672	30107.74	mg/L	3.081	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	87.864							
|	B	91.026							
|	B	91.677							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	103.777							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.728							
|	Ti								
|	Ti								
|	V	101.809							
|	ClO								
|	Cr	101.968							

|	Cr	101.186
|	Fe	110.316
|	Mn	101.709
|	Fe	112.887
|	Fe	106.143
|	Co	104.232
|	Ni	96.476
|	Ni	94.53
|	Cu	100.153
|	Zn	95.469
|	Cu	102.877
|	Zn	97.662
|-	Zn	98.188
|>	Ge	98.298
|	As	120.417
|	Se	182.198
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	107.007
|-	Rh	
|	Ag	105.646
|	Ag	105.341
|	Cd	105.192
|	Cd	104.887
|>	In	100.467
|	Sb	114.935
|	Sb	116.592
|	Ba	105.923
|-	Ba	104.995
|-	Tb	
|>	Ho	99.585
|	Hg	105.251
|	Hg	101.415
|	Tl	103.638
|	Pb	103.744
|-	Bi	
	Se	101.755
	Se	102.049
	Se	101.588

Sample ID: QC Std 6
Sample Date/Time Thursday August 25 2011 2:59:10
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 6.18254
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9633.101		ug/L						
Be	9	0.015107	13.333	ug/L	0.004					
B	10	0.440918	154.003	ug/L	0.106					
B	11	0.458826	691.7	ug/L	0.125					
C	12	429364.218		ug/L						
Na	23	9916.163672	72789122	ug/L	214.714					
Mg	24	9875.624243	48709107	ug/L	118.731					
Mg	25	10183.92481	7044864	ug/L	252.551					
Al	27	10170.78321	75370243	ug/L	125.931					
Si	28	71685.391		ug/L						
P	31	9779.301414	3690018	ug/L	222.795					
S	32	81802176.46		ug/L						
Cl	35	1824328.209		ug/L						
K	39	10107.25037	99950300	ug/L	359.407					
Ca	44	10041.92256	3303283	ug/L	203.087					
Sc	45	185696.515		ug/L						
Ti	47	26.278034	22118.1	ug/L	0.531					
Ti	48	7.771761	64392.25	ug/L	0.01					
V	51	-1.398064	20578.15	ug/L	0.099					
ClO	51	21151.126		ug/L						
Cr	52	-0.003591	8305.343	ug/L	0.015					
Cr	53	-4.701167	6515.733	ug/L	0.27					
Fe	54	10054.42892	7117229	ug/L	96.63					
Mn	55	0.043987	2352.995	ug/L	0.005					
Fe	56	10305.65134	1.3E+08	ug/L	144.035					
Fe	57	10318.69805	3071080	ug/L	295.6					
Co	59	0.031932	456.683	ug/L	0.001					
Ni	60	0.284437	812.044	ug/L	0					
Ni	62	0.029152	68.001	ug/L	0.001					
Cu	63	0.2357	1492.137	ug/L	0.013					
Zn	64	0.694551	2977.518	ug/L	0.006					
Cu	65	0.143146	464.35	ug/L	0.015					
Zn	66	0.614473	1610.492	ug/L	0.031					
Zn	68	0.543962	1179.088	ug/L	0.064					
Ge	72	172058.866		ug/L						
As	75	0.184602	443.756	ug/L	0.011					
Se	74	-198.019827	14661.35	mg/L	192.999					
ArCl	77	415.68		ug/L						

Br	79	2290.645	ug/L		
Br	81	24466.125	ug/L		
Y	89	471742.439	ug/L		
Mo	95	0.303384	1642.833	ug/L	0.057
Rh	103	441467.748	ug/L		
Ag	107	0.275825	4056.95	ug/L	0.038
Ag	109	0.270715	3858.195	ug/L	0.04
Cd	111	0.016568	77.334	ug/L	0
Cd	114	0.015521	168.003	ug/L	0.001
In	115	582792.186	ug/L		
Sb	121	1.042569	12242.39	ug/L	0.122
Sb	123	1.025127	9228.554	ug/L	0.116
Ba	137	0.05824	396.679	ug/L	0.001
Ba	138	0.057488	2481.781	ug/L	0.003
Tb	159	781261.981	ug/L		
Ho	165	764504.606	ug/L		
Hg	200	0.015341	56.667	ug/L	0.001
Hg	202	0.010344	60.667	ug/L	0.001
Tl	205	0.012366	881.052	ug/L	0.001
Pb	208	0.048475	3046.561	ug/L	0.001
Bi	209	526417.199	ug/L		
Se	77	-2.388541	408.009	mg/L	0.03
Se	78	0.37904	14953.54	mg/L	0.388
Se	82	0.182366	22.237	mg/L	0.141

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	99.162							
|	Mg	98.756							
|	Mg	101.839							
|	Al	101.708							
|	Si								
|	P	97.793							
|	S								
|	Cl								
|	K	101.073							
|	Ca	100.419							
|>	Sc	103.751							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	100.544
	Mn	
	Fe	103.057
	Fe	103.187
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.199
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	102.836
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.541
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 3:06:25
Autosampl Position: 77
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18255
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9719.861		ug/L						
Be	9	0.001656	7.667	ug/L	0.004					
B	10	-0.076805	101.668	ug/L	0.161					
B	11	-0.001353	466.017	ug/L	0.018					
C	12	420535.471		ug/L						
Na	23	-6.481443	28413.84	ug/L	0.03					
Mg	24	0.492838	3270.919	ug/L	0.075					
Mg	25	0.642208	523.401	ug/L	0.079					
Al	27	0.695906	10864.26	ug/L	0.105					
Si	28	71517.38		ug/L						
P	31	0.006052	18022.99	ug/L	1.071					
S	32	84487565.1		ug/L						
Cl	35	8371791.711		ug/L						
K	39	-0.55657	728108.5	ug/L	0.119					
Ca	44	-11.572571	29995.74	ug/L	1.74					
Sc	45	179596.673		ug/L						
Ti	47	-0.021105	187.337	ug/L	0.02					
Ti	48	0.048525	-1911.59	ug/L	0.001					
V	51	-0.105815	33576.24	ug/L	0.058					
ClO	51	34874.141		ug/L						
Cr	52	0.045136	8469.541	ug/L	0.017					
Cr	53	-0.244193	11046.82	ug/L	0.093					
Fe	54	1.619029	108997.1	ug/L	0.077					
Mn	55	-0.03597	1133.749	ug/L	0.004					
Fe	56	26.208752	3095789	ug/L	3.193					
Fe	57	1.471929	8574.899	ug/L	0.189					
Co	59	0.00068	105.002	ug/L	0.001					
Ni	60	-0.00378	76.668	ug/L	0					
Ni	62	-0.020076	47.334	ug/L	0.005					
Cu	63	0.000754	188.337	ug/L	0.002					
Zn	64	0.019154	1249.058	ug/L	0.017					
Cu	65	0.004462	96.001	ug/L	0.003					
Zn	66	0.037612	740.704	ug/L	0.029					
Zn	68	0.025952	615.694	ug/L	0.003					
Ge	72	167021.693		ug/L						
As	75	0.030017	175.877	ug/L	0.111					
Se	74	771.524577	23735.01	mg/L	193.835					
ArCl	77	792.376		ug/L						

Br	79	2346.993	ug/L						
Br	81	24546.006	ug/L						
Y	89	462220.658	ug/L						
Mo	95	0.111893	757.706	ug/L	0.01				
Rh	103	453923.853	ug/L						
Ag	107	0.09328	1716.179	ug/L	0.003				
Ag	109	0.089529	1609.492	ug/L	0.003				
Cd	111	0.005115	39.667	ug/L	0.002				
Cd	114	0.003759	77.334	ug/L	0				
In	115	580751.961	ug/L						
Sb	121	0.376213	5268.579	ug/L	0.009				
Sb	123	0.380091	4040.552	ug/L	0.028				
Ba	137	0.007174	92.335	ug/L	0.002				
Ba	138	0.005641	505.898	ug/L	0.001				
Tb	159	752351.18	ug/L						
Ho	165	744723.404	ug/L						
Hg	200	0.004139	26.334	ug/L	0				
Hg	202	0.00357	36	ug/L	0.004				
Tl	205	0.003979	577.358	ug/L	0.002				
Pb	208	0.004055	909.36	ug/L	0				
Bi	209	535709.305	ug/L						
Se	77	0.179672	732.029	mg/L	0.105				
Se	78	0.677387	15074.84	mg/L	0.186				
Se	82	0.383625	59.531	mg/L	0.366				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.343							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.236
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	102.476
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.887
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.16
Sample Date/Time Thursday August 25 2011 3:13:11
Autosampl Position: 78
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.16.18256
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11252.339		ug/L						
Be	9	0.028926	21	ug/L	0.013					
B	10	223.867455	23801.71	ug/L	2.931					
B	11	225.348373	115744.9	ug/L	0.224					
C	12	866773.542		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	25085.11851	1.38E+08	ug/L	158.266					
Mg	25	25224.258	19509377	ug/L	168.244					
Al	27	29.574476	251630.1	ug/L	1.195					
Si	28	33917067.82		ug/L						
P	31	317.455207	154060	ug/L	0.796					
S	32	84265941.39		ug/L						
Cl	35	14718343.43		ug/L						
K	39	20834.56308	2.29E+08	ug/L	546.798					
Ca	44	29350.78254	10717624	ug/L	235.131					
Sc	45	207548.52		ug/L						
Ti	47	2.836531	2880.152	ug/L	0.037					
Ti	48	25.13723	238524	ug/L	1.911					
V	51	0.759505	49329.13	ug/L	0.301					
ClO	51	50483.482		ug/L						
Cr	52	0.133735	10699.06	ug/L	0.026					
Cr	53	2.09041	15620.92	ug/L	1.019					
Fe	54	12890.67928	10163769	ug/L	84.481					
Mn	55	776.71083	12813073	ug/L	3.552					
Fe	56	13000.23999	1.82E+08	ug/L	97.209					
Fe	57	13243.79046	4403036	ug/L	280.827					
Co	59	1.056001	13263.81	ug/L	0.004					
Ni	60	10.065257	28697.52	ug/L	0.098					
Ni	62	9.133601	4016.928	ug/L	0.037					
Cu	63	1.632405	10293.26	ug/L	0.013					
Zn	64	2.234056	7624.127	ug/L	0.009					
Cu	65	0.506092	1588.821	ug/L	0.005					
Zn	66	1.881875	3875.531	ug/L	0.02					
Zn	68	4.869996	6387.307	ug/L	0.123					
Ge	72	158611.857		ug/L						
As	75	11.216616	17704.26	ug/L	0.201					
Se	74	-472.662045	10989.93	mg/L	25.222					
ArCl	77	1483.469		ug/L						

Br	79	1249467.417	ug/L						
Br	81	1361981.531	ug/L						
Y	89	446216.721	ug/L						
Mo	95	8.370516	35129.43	ug/L	0.097				
Rh	103	408272.229	ug/L						
Ag	107	0.128784	2036.916	ug/L	0.018				
Ag	109	0.119406	1857.544	ug/L	0.025				
Cd	111	0.066419	225.338	ug/L	0.009				
Cd	114	0.067791	534.021	ug/L	0				
In	115	545690.381	ug/L						
Sb	121	0.404645	5229.222	ug/L	0.007				
Sb	123	0.415923	4067.261	ug/L	0.015				
Ba	137	127.261123	709294	ug/L	2.195				
Ba	138	128.030695	4566797	ug/L	2.658				
Tb	159	767154.499	ug/L						
Ho	165	739976.012	ug/L						
Hg	200	0.025385	80.668	ug/L	0.003				
Hg	202	0.0156	76.334	ug/L	0.005				
Tl	205	0.006851	669.698	ug/L	0				
Pb	208	0.182523	9119.497	ug/L	0.002				
Bi	209	471975.902	ug/L						
Se	77	5.548909	1409.443	mg/L	0.762				
Se	78	-0.766834	14487.66	mg/L	0.156				
Se	82	16.633145	3070.618	mg/L	0.558				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	115.96							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.29
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.289
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.251
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.17
Sample Date/Time Thursday August 25 2011 3:19:57
Autosampl Position: 79
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.17.18257
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9762.587		ug/L						
Be	9	0.002021	8	ug/L	0.002					
B	10	283.014411	26646.61	ug/L	7.118					
B	11	298.216478	135661.5	ug/L	4.484					
C	12	1049700.785		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	41716.1107	2.04E+08	ug/L	1120.128					
Mg	25	41682.94472	28583307	ug/L	1334.426					
Al	27	24.029673	182502.7	ug/L	0.816					
Si	28	23515408.55		ug/L						
P	31	133.033108	67973.52	ug/L	7.913					
S	32	78544020.03		ug/L						
Cl	35	13338993.28		ug/L						
K	39	18106.80077	1.77E+08	ug/L	388.364					
Ca	44	37937.93291	12274585	ug/L	99.535					
Sc	45	184029.343		ug/L						
Ti	47	2.80828	2530.044	ug/L	0.017					
Ti	48	32.305358	272742.8	ug/L	2.339					
V	51	1.676483	53714.77	ug/L	0.055					
ClO	51	55283.826		ug/L						
Cr	52	0.25064	10560.05	ug/L	0.02					
Cr	53	4.546604	16542.54	ug/L	0.096					
Fe	54	10007.22038	7021461	ug/L	92.986					
Mn	55	1731.57433	25327484	ug/L	6.936					
Fe	56	9926.526452	1.24E+08	ug/L	11.922					
Fe	57	10073.88761	2972437	ug/L	87.558					
Co	59	4.593137	50816.47	ug/L	0.022					
Ni	60	19.851885	50107.22	ug/L	0.18					
Ni	62	18.651169	7214.267	ug/L	0.037					
Cu	63	1.982628	11045.49	ug/L	0.05					
Zn	64	4.465559	12280.89	ug/L	0.1					
Cu	65	0.406986	1149.751	ug/L	0.009					
Zn	66	3.993745	6503.057	ug/L	0.053					
Zn	68	12.252282	13337.24	ug/L	0.115					
Ge	72	150453.464		ug/L						
As	75	16.449534	24578.83	ug/L	0.005					
Se	74	-620.690285	9116.356	mg/L	87.817					
ArCl	77	1437.795		ug/L						

Br	79	1127486.283	ug/L			
Br	81	1246287.636	ug/L			
Y	89	428710.493	ug/L			
Mo	95	29.659808	117458.9	ug/L	1.164	
Rh	103	398748.329	ug/L			
Ag	107	0.046485	1012.733	ug/L	0.004	
Ag	109	0.048247	996.065	ug/L	0.005	
Cd	111	0.101329	320.676	ug/L	0.002	
Cd	114	0.098315	726.703	ug/L	0.001	
In	115	525926.798	ug/L			
Sb	121	0.373998	4750.955	ug/L	0.001	
Sb	123	0.37593	3631.394	ug/L	0.008	
Ba	137	340.873295	1830914	ug/L	5.801	
Ba	138	346.629051	11916432	ug/L	3.863	
Tb	159	776961.419	ug/L			
Ho	165	754906.075	ug/L			
Hg	200	0.020065	68.334	ug/L	0	
Hg	202	0.010862	61.667	ug/L	0.002	
Tl	205	0.000661	473.35	ug/L	0.001	
Pb	208	0.048285	2999.215	ug/L	0.001	
Bi	209	460397.103	ug/L			
Se	77	5.295234	1377.438	mg/L	0.404	
Se	78	-2.388011	13828.54	mg/L	1.073	
Se	82	14.681453	2708.963	mg/L	0.196	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.819							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.491
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.802
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.253
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.18
Sample Date/Time Thursday August 25 2011 3:26:43
Autosampl Position: 80
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.18.18258
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7798.01		ug/L						
Be	9	-0.003033	6.667	ug/L	0					
B	10	7.992152	957.727	ug/L	0.027					
B	11	8.505754	4821.326	ug/L	0.15					
C	12	557373.2		ug/L						
Na	23	6992.550026	56630656	ug/L	76.602					
Mg	24	3217.683109	17502116	ug/L	14.155					
Mg	25	3222.366003	2458500	ug/L	29.148					
Al	27	3.329213	33906.52	ug/L	0.022					
Si	28	25302915.43		ug/L						
P	31	-1.910714	19760.12	ug/L	1.215					
S	32	81428006.55		ug/L						
Cl	35	8376405.539		ug/L						
K	39	1761.04509	19904590	ug/L	33.978					
Ca	44	11107.10754	4026220	ug/L	164.95					
Sc	45	204762.122		ug/L						
Ti	47	1.363238	1485.803	ug/L	0.068					
Ti	48	10.295158	94810.59	ug/L	1.069					
V	51	0.129268	41104.8	ug/L	0.086					
ClO	51	42484.805		ug/L						
Cr	52	0.020349	9402.319	ug/L	0.013					
Cr	53	0.390638	13361.61	ug/L	0.266					
Fe	54	-12.779253	113225.7	ug/L	2.471					
Mn	55	0.766756	14355.81	ug/L	0					
Fe	56	-20.583712	2894910	ug/L	4.058					
Fe	57	32.008902	19780.17	ug/L	1.939					
Co	59	0.09878	1324.776	ug/L	0.001					
Ni	60	3.454064	9781.692	ug/L	0.011					
Ni	62	3.161899	1412.791	ug/L	0.01					
Cu	63	0.239156	1666.836	ug/L	0.007					
Zn	64	1.842049	6442.514	ug/L	0.008					
Cu	65	0.194892	663.031	ug/L	0.005					
Zn	66	1.419483	3076.218	ug/L	0.042					
Zn	68	1.636632	2563.72	ug/L	0.064					
Ge	72	169053.542		ug/L						
As	75	0.335767	688.358	ug/L	0.001					
Se	74	-51.644524	15894.13	mg/L	190.622					
ArCl	77	799.71		ug/L						

Br	79	29915.448	ug/L						
Br	81	51878.477	ug/L						
Y	89	471758.984	ug/L						
Mo	95	0.390546	2004.241	ug/L	0.011				
Rh	103	446925.137	ug/L						
Ag	107	0.067674	1402.457	ug/L	0.02				
Ag	109	0.061002	1269.769	ug/L	0.014				
Cd	111	0.003998	36.334	ug/L	0.001				
Cd	114	0.004169	81.335	ug/L	0				
In	115	587024.761	ug/L						
Sb	121	0.104131	2459.357	ug/L	0.007				
Sb	123	0.117063	1956.541	ug/L	0.022				
Ba	137	3.240608	19480.71	ug/L	0.03				
Ba	138	3.285202	126371.3	ug/L	0.034				
Tb	159	796460.357	ug/L						
Ho	165	797962.215	ug/L						
Hg	200	0.003944	27.667	ug/L	0				
Hg	202	0.002291	34	ug/L	0.001				
Tl	205	-0.000419	461.683	ug/L	0				
Pb	208	0.015915	1563.402	ug/L	0.001				
Bi	209	550661.164	ug/L						
Se	77	0.655277	792.035	mg/L	0.06				
Se	78	-1.133828	14338.45	mg/L	0.339				
Se	82	0.532151	87.053	mg/L	0.186				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	114.403							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.431
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.583
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	107.028
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.19
Sample Date/Time Thursday August 25 2011 3:33:29
Autosampl Position: 81
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.19.18259
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8586.724		ug/L						
Be	9	0.002351	9.333	ug/L	0					
B	10	7.008065	882.052	ug/L	0.394					
B	11	7.380292	4389.103	ug/L	0.055					
C	12	616710.664		ug/L						
Na	23	7784.524588	65039333	ug/L	267.959					
Mg	24	3756.70232	21082247	ug/L	138.767					
Mg	25	3809.267269	2998547	ug/L	55.212					
Al	27	8.024832	74565.42	ug/L	0.223					
Si	28	28065318.11		ug/L						
P	31	3.225578	22573.59	ug/L	1.646					
S	32	91285944.5		ug/L						
Cl	35	8469973.98		ug/L						
K	39	1905.338544	22142465	ug/L	24.289					
Ca	44	14235.87227	5311767	ug/L	78.46					
Sc	45	211242.095		ug/L						
Ti	47	1.616291	1773.524	ug/L	0.016					
Ti	48	13.17308	126051.2	ug/L	0.169					
V	51	-0.151256	38928.23	ug/L	0.03					
ClO	51	39918.515		ug/L						
Cr	52	-0.043458	9030.481	ug/L	0.017					
Cr	53	-0.558954	12599.52	ug/L	0.03					
Fe	54	44.897859	162509.6	ug/L	0.912					
Mn	55	14.603331	247107.2	ug/L	0.007					
Fe	56	27.754548	3662856	ug/L	4.388					
Fe	57	98.611438	42891.99	ug/L	5.982					
Co	59	0.023684	415.014	ug/L	0.003					
Ni	60	1.052226	3144.242	ug/L	0.036					
Ni	62	0.665439	357.677	ug/L	0.014					
Cu	63	0.188795	1403.456	ug/L	0.002					
Zn	64	2.274212	7873.552	ug/L	0.014					
Cu	65	0.165154	594.692	ug/L	0.003					
Zn	66	1.747946	3721.799	ug/L	0.048					
Zn	68	1.950118	3019.532	ug/L	0.047					
Ge	72	168076.862		ug/L						
As	75	0.362386	728.474	ug/L	0.036					
Se	74	97.478492	17256.65	mg/L	20.398					
ArCl	77	864.383		ug/L						

Br	79	24154.306	ug/L						
Br	81	48187.858	ug/L						
Y	89	468355.08	ug/L						
Mo	95	0.264881	1438.128	ug/L	0.003				
Rh	103	454330.366	ug/L						
Ag	107	0.036043	991.397	ug/L	0.005				
Ag	109	0.037709	976.062	ug/L	0.007				
Cd	111	0.004586	38	ug/L	0.005				
Cd	114	0.003271	74.001	ug/L	0.001				
In	115	584624.089	ug/L						
Sb	121	0.104035	2449.355	ug/L	0.009				
Sb	123	0.099116	1804.889	ug/L	0.004				
Ba	137	2.711331	16240.66	ug/L	0.011				
Ba	138	2.754317	105532.5	ug/L	0.088				
Tb	159	773508.857	ug/L						
Ho	165	753143.876	ug/L						
Hg	200	0.006076	31.667	ug/L	0.001				
Hg	202	0.00284	34	ug/L	0				
Tl	205	0.000457	465.017	ug/L	0.002				
Pb	208	0.021123	1718.749	ug/L	0.003				
Bi	209	532242.739	ug/L						
Se	77	1.194301	860.041	mg/L	0.404				
Se	78	-0.298903	14677.91	mg/L	0.493				
Se	82	0.584714	96.793	mg/L	0.119				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	118.023							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.857
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.159
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.017
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 3:40:15
Autosampl Position: 82
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18260
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9105.892		ug/L						
Be	9	0.002771	8	ug/L	0					
B	10	-0.133095	95.335	ug/L	0.11					
B	11	0.132814	519.02	ug/L	0.006					
C	12	410421.325		ug/L						
Na	23	-1.137867	65508.58	ug/L	0.439					
Mg	24	0.546092	3481.024	ug/L	0.128					
Mg	25	0.601552	490.062	ug/L	0.097					
Al	27	0.298964	7920.91	ug/L	0.044					
Si	28	69380.725		ug/L						
P	31	2.403937	18667.7	ug/L	2.123					
S	32	87046311.62		ug/L						
Cl	35	8137778.332		ug/L						
K	39	1.005303	733955.9	ug/L	0.066					
Ca	44	-11.016948	29805.09	ug/L	1.477					
Sc	45	177425.344		ug/L						
Ti	47	-0.022037	184.337	ug/L	0.002					
Ti	48	0.054351	-1840.5	ug/L	0.007					
V	51	0.181219	36170.53	ug/L	0.061					
ClO	51	37059.088		ug/L						
Cr	52	-0.003057	7941.704	ug/L	0.004					
Cr	53	0.493334	11688.29	ug/L	0.089					
Fe	54	-0.654231	106172.8	ug/L	3.974					
Mn	55	-0.032028	1175.421	ug/L	0.004					
Fe	56	7.55848	2839316	ug/L	2.013					
Fe	57	-1.714849	7567.238	ug/L	0.024					
Co	59	-0.001109	84.668	ug/L	0					
Ni	60	0.026664	149.669	ug/L	0.004					
Ni	62	-0.00411	52.667	ug/L	0.003					
Cu	63	0.021768	297.008	ug/L	0.001					
Zn	64	0.209986	1689.223	ug/L	0.006					
Cu	65	0.027303	152.336	ug/L	0.003					
Zn	66	0.215461	980.729	ug/L	0.013					
Zn	68	0.193436	776.041	ug/L	0.008					
Ge	72	164184.013		ug/L						
As	75	0.060156	221.555	ug/L	0.099					
Se	74	288.508048	18693.23	mg/L	5.087					
ArCl	77	729.703		ug/L						

Br	79	6118.456	ug/L						
Br	81	26700.758	ug/L						
Y	89	461476.235	ug/L						
Mo	95	0.04691	464.683	ug/L	0				
Rh	103	465743.39	ug/L						
Ag	107	0.008703	618.694	ug/L	0.006				
Ag	109	0.006318	566.023	ug/L	0.002				
Cd	111	0.0024	30	ug/L	0.002				
Cd	114	0.001875	61.334	ug/L	0.001				
In	115	566274.189	ug/L						
Sb	121	0.04981	1820.867	ug/L	0.004				
Sb	123	0.055199	1405.396	ug/L	0.007				
Ba	137	0.008123	95.668	ug/L	0.002				
Ba	138	0.007932	578.222	ug/L	0				
Tb	159	758796.516	ug/L						
Ho	165	728065.017	ug/L						
Hg	200	0.003323	23.667	ug/L	0.001				
Hg	202	-0.000431	22	ug/L	0				
Tl	205	-0.000139	430.348	ug/L	0				
Pb	208	0.005111	936.695	ug/L	0.001				
Bi	209	530385.239	ug/L						
Se	77	-0.200809	684.026	mg/L	0.553				
Se	78	-0.784044	14480.67	mg/L	0.352				
Se	82	0.412577	64.896	mg/L	0.033				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.129							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.567
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.921
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.653
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.02
Sample Date/Time Thursday August 25 2011 3:47:00
Autosampl Position: 83
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.02.18261
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9650.453		ug/L						
Be	9	0.016885	15.333	ug/L	0.008					
B	10	16.30972	1808.198	ug/L	0.098					
B	11	16.189815	8615.5	ug/L	0.077					
C	12	5870447.065		ug/L						
Na	23	11189.23062	89727152	ug/L	215.091					
Mg	24	5582.876397	30081140	ug/L	6.804					
Mg	25	5666.159497	4282396	ug/L	35.489					
Al	27	0.027085	6856.611	ug/L	0.06					
Si	28	20738668.52		ug/L						
P	31	-17.816334	13047.36	ug/L	2.311					
S	32	85043063.5		ug/L						
Cl	35	676302.621		ug/L						
K	39	1759.718002	19699518	ug/L	25.94					
Ca	44	15220.08383	5450094	ug/L	55.34					
Sc	45	202828.406		ug/L						
Ti	47	0.919229	1068.073	ug/L	0.024					
Ti	48	11.44561	104815.5	ug/L	0.025					
V	51	-1.646417	19521.48	ug/L	0.076					
ClO	51	19939.727		ug/L						
Cr	52	-0.55995	3458.392	ug/L	0.018					
Cr	53	-5.598528	6041.402	ug/L	0.223					
Fe	54	2555.660131	2067258	ug/L	83.882					
Mn	55	1771.628702	28560034	ug/L	8.103					
Fe	56	2580.619865	37790191	ug/L	73.612					
Fe	57	2511.358358	823693.6	ug/L	80.034					
Co	59	0.798586	9828.409	ug/L	0.013					
Ni	60	2.647269	7448.125	ug/L	0.052					
Ni	62	2.253187	1015.067	ug/L	0.032					
Cu	63	0.296309	1996.239	ug/L	0.011					
Zn	64	26.565291	73796.5	ug/L	0.253					
Cu	65	0.226263	747.038	ug/L	0.012					
Zn	66	26.811858	43682.47	ug/L	0.01					
Zn	68	26.488017	31005.76	ug/L	0.042					
Ge	72	171771.619		ug/L						
As	75	0.284432	612.245	ug/L	0.013					
Se	74	411.208059	20788.02	mg/L	271.983					
ArCl	77	296.341		ug/L						

Br	79	23676.361	ug/L						
Br	81	45508.074	ug/L						
Y	89	468979.287	ug/L						
Mo	95	0.288406	1576.153	ug/L	0.037				
Rh	103	443366.345	ug/L						
Ag	107	-0.021749	246.006	ug/L	0.002				
Ag	109	-0.022053	230.005	ug/L	0.002				
Cd	111	0.127104	439.015	ug/L	0.011				
Cd	114	0.127102	1024.735	ug/L	0.008				
In	115	582085.711	ug/L						
Sb	121	-0.02988	1039.07	ug/L	0.001				
Sb	123	-0.026013	792.48	ug/L	0.001				
Ba	137	4.627379	27555.31	ug/L	0.11				
Ba	138	4.684098	178469.4	ug/L	0.147				
Tb	159	778457.644	ug/L						
Ho	165	767971.413	ug/L						
Hg	200	0.0017	20.667	ug/L	0.002				
Hg	202	-0.000874	21.667	ug/L	0.001				
Tl	205	0.082407	3301.975	ug/L	0.017				
Pb	208	0.019177	1660.409	ug/L	0.001				
Bi	209	465062.575	ug/L						
Se	77	-3.212886	304.005	mg/L	0.09				
Se	78	-1.507965	14186.34	mg/L	0.918				
Se	82	0.249884	34.748	mg/L	0.312				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	113.322							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.03
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	102.711
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.006
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.03
Sample Date/Time Thursday August 25 2011 3:53:46
Autosampl Position: 84
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.03.18262
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9777.255		ug/L						
Be	9	-0.004182	6	ug/L	0.009					
B	10	51.999429	5432.677	ug/L	0.609					
B	11	54.139579	27252.73	ug/L	1.639					
C	12	4480327.769		ug/L						
Na	23	19745.60758	1.56E+08	ug/L	570.473					
Mg	24	10029.70547	53413506	ug/L	151.406					
Mg	25	10048.64524	7505872	ug/L	269.148					
Al	27	3.233616	32430.98	ug/L	0.051					
Si	28	23670920.42		ug/L						
P	31	35.125136	34354.89	ug/L	1.653					
S	32	87952954.09		ug/L						
Cl	35	1077400.126		ug/L						
K	39	3447.201356	37349076	ug/L	134.51					
Ca	44	28907.48912	10198496	ug/L	157.469					
Sc	45	200501.906		ug/L						
Ti	47	1.094147	1213.426	ug/L	0.025					
Ti	48	23.086776	211521.1	ug/L	1.324					
V	51	-1.758488	17977.27	ug/L	0.001					
ClO	51	18328.987		ug/L						
Cr	52	-0.512803	3890.017	ug/L	0.005					
Cr	53	-5.924773	5585.772	ug/L	0.04					
Fe	54	139.673235	225551.1	ug/L	0.986					
Mn	55	382.469669	6095716	ug/L	5.953					
Fe	56	159.528479	5224445	ug/L	8.228					
Fe	57	246.760875	88174.46	ug/L	11.617					
Co	59	0.084278	1123.081	ug/L	0.002					
Ni	60	0.758638	2177.283	ug/L	0.055					
Ni	62	0.130274	115.669	ug/L	0.013					
Cu	63	0.431221	2778.119	ug/L	0.006					
Zn	64	0.614616	3000.332	ug/L	0.032					
Cu	65	0.314441	989.064	ug/L	0.01					
Zn	66	-0.107799	596.692	ug/L	0.013					
Zn	68	0.385218	1094.077	ug/L	0.008					
Ge	72	169900.946		ug/L						
As	75	21.776633	36661.1	ug/L	1.203					
Se	74	2.87079	16451.05	mg/L	246.87					
ArCl	77	300.341		ug/L						

Br	79	22695.197	ug/L						
Br	81	43209.21	ug/L						
Y	89	463327.338	ug/L						
Mo	95	1.858542	8543.781	ug/L	0.251				
Rh	103	429550.915	ug/L						
Ag	107	-0.015965	311.675	ug/L	0.003				
Ag	109	-0.018719	264.34	ug/L	0.004				
Cd	111	0.010909	57.001	ug/L	0.001				
Cd	114	0.010184	123.335	ug/L	0.001				
In	115	565544.244	ug/L						
Sb	121	0.069608	2017.578	ug/L	0.016				
Sb	123	0.073518	1545.802	ug/L	0.004				
Ba	137	18.373173	106157.3	ug/L	0.448				
Ba	138	18.55247	685995.5	ug/L	0.487				
Tb	159	751988.788	ug/L						
Ho	165	735945.008	ug/L						
Hg	200	0.019563	65.334	ug/L	0				
Hg	202	0.009764	56.334	ug/L	0.003				
Tl	205	0.042016	1826.869	ug/L	0.004				
Pb	208	0.004002	895.693	ug/L	0.001				
Bi	209	443378.342	ug/L						
Se	77	-3.424255	277.338	mg/L	0.209				
Se	78	-2.182385	13912.14	mg/L	0.612				
Se	82	0.441809	70.313	mg/L	0.15				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	112.023							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.93
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.792
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.71
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.04
Sample Date/Time Thursday August 25 2011 4:00:33
Autosampl Position: 85
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.04.18263
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8984.446		ug/L						
Be	9	0.009031	12.333	ug/L	0.001					
B	10	118.164452	12798.13	ug/L	1.916					
B	11	121.527039	63550.08	ug/L	1.87					
C	12	10757503.27		ug/L						
Na	23	67975.71091	5.65E+08	ug/L	946.08					
Mg	24	24103.82455	1.35E+08	ug/L	328.509					
Mg	25	23977.00673	18801641	ug/L	63.147					
Al	27	0.586295	11812.19	ug/L	0.052					
Si	28	33646857.15		ug/L						
P	31	180.622482	97988.46	ug/L	1.769					
S	32	83218265.65		ug/L						
Cl	35	3450405.463		ug/L						
K	39	8725.759652	97949948	ug/L	70.53					
Ca	44	48130.53517	17797950	ug/L	354.283					
Sc	45	210445.486		ug/L						
Ti	47	2.032959	2160.612	ug/L	0.008					
Ti	48	36.950931	357034.1	ug/L	1.523					
V	51	-1.495867	22118.1	ug/L	0.052					
ClO	51	22478.651		ug/L						
Cr	52	-0.653381	2611.936	ug/L	0.019					
Cr	53	-4.880711	7163.226	ug/L	0.091					
Fe	54	6295.255372	5097645	ug/L	53.147					
Mn	55	259.24028	4337670	ug/L	1.188					
Fe	56	6322.807291	91324257	ug/L	49.169					
Fe	57	6757.288365	2282940	ug/L	101.04					
Co	59	0.082314	1153.751	ug/L	0.001					
Ni	60	3.769706	10962.72	ug/L	0.019					
Ni	62	2.675624	1238.764	ug/L	0.073					
Cu	63	0.788152	5151.177	ug/L	0.003					
Zn	64	0.267201	2165.591	ug/L	0.008					
Cu	65	0.160725	579.358	ug/L	0.006					
Zn	66	-0.030877	754.039	ug/L	0.012					
Zn	68	2.16662	3264.952	ug/L	0.067					
Ge	72	162693.568		ug/L						
As	75	41.97925	67637.87	ug/L	0.098					
Se	74	-250.047079	13386.04	mg/L	408.996					
ArCl	77	499.352		ug/L						

Br	79	135867.02	ug/L						
Br	81	164995.005	ug/L						
Y	89	460112.314	ug/L						
Mo	95	1.975907	8703.936	ug/L	0.193				
Rh	103	417724.313	ug/L						
Ag	107	-0.028888	149.336	ug/L	0.003				
Ag	109	-0.030708	118.669	ug/L	0.001				
Cd	111	0.008487	49.001	ug/L	0.001				
Cd	114	0.011459	132.002	ug/L	0				
In	115	562178.252	ug/L						
Sb	121	0.062782	1938.226	ug/L	0.002				
Sb	123	0.066835	1485.204	ug/L	0.002				
Ba	137	90.844023	521680.7	ug/L	0.683				
Ba	138	92.175668	3387794	ug/L	0.173				
Tb	159	778253.62	ug/L						
Ho	165	754758.694	ug/L						
Hg	200	0.036521	111.335	ug/L	0.003				
Hg	202	0.022981	103.335	ug/L	0.001				
Tl	205	0.023805	1257.766	ug/L	0.001				
Pb	208	0.000932	775.021	ug/L	0				
Bi	209	426317.923	ug/L						
Se	77	-1.44793	526.682	mg/L	0.344				
Se	78	-1.229767	14299.45	mg/L	0.533				
Se	82	1.953004	350.342	mg/L	0.011				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	117.578							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.691
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.199
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.233
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.05
Sample Date/Time Thursday August 25 2011 4:07:19
Autosampl Position: 86
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.05.18264
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8088.93		ug/L						
Be	9	0.005219	9.333	ug/L	0.005					
B	10	12.905146	1330.444	ug/L	0.644					
B	11	13.015615	6421.998	ug/L	0.051					
C	12	3516202.991		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	16596.74888	81691856	ug/L	126.537					
Mg	25	16418.12085	11335830	ug/L	139.059					
Al	27	3.070552	28768.33	ug/L	0.077					
Si	28	18447771.14		ug/L						
P	31	19.660883	25959.65	ug/L	3.333					
S	32	84004022.45		ug/L						
Cl	35	4847334.301		ug/L						
K	39	4988.822174	49629523	ug/L	94.596					
Ca	44	47496.19842	15463901	ug/L	1360.555					
Sc	45	185293.298		ug/L						
Ti	47	1.005036	1047.071	ug/L	0.013					
Ti	48	35.712162	303829.8	ug/L	4.353					
V	51	-0.658458	28613.24	ug/L	0.003					
ClO	51	29143.597		ug/L						
Cr	52	-0.266578	5864.43	ug/L	0.005					
Cr	53	-3.418794	7912.521	ug/L	0.034					
Fe	54	628.112428	548076.4	ug/L	33.294					
Mn	55	345.641664	5091732	ug/L	1.754					
Fe	56	686.048928	11286068	ug/L	55.352					
Fe	57	763.964119	234739	ug/L	14.695					
Co	59	0.335091	3826.177	ug/L	0.001					
Ni	60	2.116348	5457.692	ug/L	0.02					
Ni	62	1.010348	447.015	ug/L	0.084					
Cu	63	1.263034	7153.886	ug/L	0.031					
Zn	64	8.238711	21764.64	ug/L	0.059					
Cu	65	0.519468	1453.464	ug/L	0.009					
Zn	66	7.87809	12226.34	ug/L	0.117					
Zn	68	8.535973	9540.099	ug/L	0.149					
Ge	72	158074.535		ug/L						
As	75	7.374606	11641.65	ug/L	0.164					
Se	74	-162.295843	13827.16	mg/L	63.397					
ArCl	77	613.694		ug/L						

Br	79	41439.32	ug/L						
Br	81	63324.088	ug/L						
Y	89	449835.075	ug/L						
Mo	95	0.693927	3135.574	ug/L	0.062				
Rh	103	415909.392	ug/L						
Ag	107	-0.016736	297.341	ug/L	0.005				
Ag	109	-0.020036	245.006	ug/L	0.001				
Cd	111	0.060776	213.005	ug/L	0.006				
Cd	114	0.058545	478.684	ug/L	0.001				
In	115	558948.091	ug/L						
Sb	121	0.034771	1646.499	ug/L	0.002				
Sb	123	0.038881	1260.919	ug/L	0.002				
Ba	137	30.927909	176564.6	ug/L	0.735				
Ba	138	30.983377	1132016	ug/L	0.739				
Tb	159	759340.194	ug/L						
Ho	165	745415.418	ug/L						
Hg	200	0.015227	55.001	ug/L	0.001				
Hg	202	0.008637	53.334	ug/L	0				
Tl	205	0.021734	1173.087	ug/L	0.001				
Pb	208	0.012086	1282.714	ug/L	0				
Bi	209	424736.71	ug/L						
Se	77	-0.824373	605.353	mg/L	0.12				
Se	78	-2.095894	13947.31	mg/L	1.013				
Se	82	0.338032	51.082	mg/L	0.109				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.525							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.974
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.629
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.98
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	1						
Sample	Date/Time	Thursday	August	25	2011	4:14:00				
Autosampl	Position:	5								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	1.18265						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8103.612		ug/L						
Be	9	-0.004077	5.333	ug/L	0.005					
B	10	0.021937	108.668	ug/L	0.03					
B	11	0.200631	545.022	ug/L	0.009					
C	12	474413.774		ug/L						
Na	23	8.222149	130235.9	ug/L	0.313					
Mg	24	1.655488	8651.65	ug/L	0.101					
Mg	25	1.718576	1220.204	ug/L	0.133					
Al	27	0.242929	7477.159	ug/L	0.05					
Si	28	75809.048		ug/L						
P	31	6.64457	20054.1	ug/L	0.143					
S	32	88540113.02		ug/L						
Cl	35	8250863.267		ug/L						
K	39	2.261808	740829.1	ug/L	0.157					
Ca	44	-8.502146	30387.07	ug/L	0.11					
Sc	45	176257.681		ug/L						
Ti	47	-0.028389	178.004	ug/L	0.025					
Ti	48	0.083802	-1588.3	ug/L	0.001					
V	51	-0.180778	32167.83	ug/L	0.132					
ClO	51	32963.987		ug/L						
Cr	52	0.097537	8772.144	ug/L	0.015					
Cr	53	-0.407717	10669.37	ug/L	0.272					
Fe	54	17.271167	117346	ug/L	6.916					
Mn	55	0.011679	1780.192	ug/L	0.001					
Fe	56	46.943687	3279865	ug/L	4.896					
Fe	57	11.290577	11184.67	ug/L	1.569					
Co	59	-0.003045	63.668	ug/L	0					
Ni	60	0.011966	113.335	ug/L	0.008					
Ni	62	0.021348	61.667	ug/L	0.008					
Cu	63	0.015471	262.006	ug/L	0					
Zn	64	0.124611	1475.8	ug/L	0.003					
Cu	65	-0.001357	79.668	ug/L	0.001					
Zn	66	0.13518	862.716	ug/L	0.019					
Zn	68	0.090518	668.698	ug/L	0.038					
Ge	72	164203.009		ug/L						
As	75	0.011814	142.794	ug/L	0.011					
Se	74	-167.073176	14312.12	mg/L	193.82					
ArCl	77	744.038		ug/L						

Br	79	3416.676	ug/L						
Br	81	25380.637	ug/L						
Y	89	457736.926	ug/L						
Mo	95	0.069563	562.357	ug/L	0.02				
Rh	103	458439.747	ug/L						
Ag	107	0.053899	1220.761	ug/L	0.004				
Ag	109	0.055347	1195.091	ug/L	0.005				
Cd	111	-0.000016	23	ug/L	0				
Cd	114	-0.000104	48.001	ug/L	0.001				
In	115	584808.537	ug/L						
Sb	121	0.052027	1903.218	ug/L	0.006				
Sb	123	0.06334	1516.67	ug/L	0.002				
Ba	137	0.009742	108.335	ug/L	0.003				
Ba	138	0.007628	585.191	ug/L	0.002				
Tb	159	791406.103	ug/L						
Ho	165	782481.109	ug/L						
Hg	200	0.001063	19.334	ug/L	0.001				
Hg	202	0.000026	25.334	ug/L	0.003				
Tl	205	0.00051	485.018	ug/L	0.002				
Pb	208	0.010638	1276.048	ug/L	0				
Bi	209	555900.865	ug/L						
Se	77	0.021139	712.028	mg/L	0.628				
Se	78	0.734617	15098.11	mg/L	0.245				
Se	82	0.148695	15.998	mg/L	0.034				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.477							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.578
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.192
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.952
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	2						
Sample	Date/Time	Thursday	August	25	2011	4:21:10				
Autosampl	Position:	6								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	2.18266						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8518.656		ug/L						
Be	9	79.660805	30927.5	ug/L	0.503					
B	10	84.84914	7885.164	ug/L	0.067					
B	11	86.061476	38603.53	ug/L	1.072					
C	12	447837.454		ug/L						
Na	23	98.890132	777213.7	ug/L	2.668					
Mg	24	101.234542	484599.3	ug/L	2.619					
Mg	25	104.55472	70160.15	ug/L	4.429					
Al	27	103.62453	749915.7	ug/L	3.071					
Si	28	247865.223		ug/L						
P	31	5.099117	19903.75	ug/L	0.596					
S	32	88232142.41		ug/L						
Cl	35	8256907.383		ug/L						
K	39	1072.036067	10930487	ug/L	5.494					
Ca	44	91.436192	62530.56	ug/L	0.268					
Sc	45	179885.05		ug/L						
Ti	47	103.611029	83887.45	ug/L	2.013					
Ti	48	105.045515	872099.3	ug/L	0.373					
V	51	102.176815	1116703	ug/L	1.792					
ClO	51	1147080.724		ug/L						
Cr	52	104.286557	941405.2	ug/L	0.309					
Cr	53	104.065885	122210.2	ug/L	2.465					
Fe	54	119.484968	188730.1	ug/L	1.767					
Mn	55	102.832331	1471779	ug/L	0.18					
Fe	56	122.976507	4252182	ug/L	11.211					
Fe	57	110.825299	40042.01	ug/L	1.596					
Co	59	103.472941	1116784	ug/L	1.958					
Ni	60	98.016767	241496.7	ug/L	0.602					
Ni	62	98.185731	36885.38	ug/L	1.676					
Cu	63	103.882564	556215	ug/L	0.312					
Zn	64	98.603744	239670.9	ug/L	0.113					
Cu	65	104.226463	266175.1	ug/L	1.204					
Zn	66	98.346645	140258.8	ug/L	1.14					
Zn	68	96.894839	99017.31	ug/L	0.816					
Ge	72	167271.61		ug/L						
As	75	111.495092	184493.3	ug/L	0.323					
Se	74	535.89285	21460.19	mg/L	157.969					
ArCl	77	13811.288		ug/L						

Br	79	2894.157	ug/L		
Br	81	25226.872	ug/L		
Y	89	468762.596	ug/L		
Mo	95	105.416953	463542	ug/L	1.374
Rh	103	461195.093	ug/L		
Ag	107	60.554122	772204.5	ug/L	2.135
Ag	109	58.722412	724683.4	ug/L	0.097
Cd	111	107.197719	349471.3	ug/L	0.143
Cd	114	106.84894	816978.6	ug/L	0.418
In	115	579062.407	ug/L		
Sb	121	100.405539	1044949	ug/L	5.464
Sb	123	101.122937	808438.8	ug/L	5.08
Ba	137	108.05279	639159.1	ug/L	0.004
Ba	138	108.112781	4092796	ug/L	1.478
Tb	159	793587.378	ug/L		
Ho	165	764371.609	ug/L		
Hg	200	1.004918	2676.754	ug/L	0.041
Hg	202	0.983356	3450.022	ug/L	0.006
Tl	205	106.457413	3655128	ug/L	1.707
Pb	208	103.953831	4944295	ug/L	0.697
Bi	209	552995.747	ug/L		
Se	77	102.591704	13652.91	mg/L	0.838
Se	78	104.035903	57097.51	mg/L	3.206
Se	82	102.632779	19006.62	mg/L	1.418

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	78.872							
|	B	84.595							
|	B	85.804							
|	C								
|	Na	97.621							
|	Mg	100.232							
|	Mg	103.52							
|	Al	103.212							
|	Si								
|	P								
|	S								
|	Cl								
|	K	106.883							
|	Ca	90.621							
|>	Sc	100.504							
|	Ti	103.611							
|	Ti	105.046							
|	V	101.77							
|	ClO								
|	Cr	103.254							

|	Cr	103.036
|	Fe	118.772
|	Mn	102.423
|	Fe	122.243
|	Fe	110.164
|	Co	102.856
|	Ni	97.239
|	Ni	97.406
|	Cu	103.987
|	Zn	97.918
|	Cu	104.331
|	Zn	97.663
|-	Zn	96.221
|>	Ge	98.383
|	As	112.168
|	Se	534.823
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	105.102
|-	Rh	
|	Ag	60.074
|	Ag	58.256
|	Cd	106.664
|	Cd	106.317
|>	In	102.178
|	Sb	100.105
|	Sb	100.82
|	Ba	107.302
|-	Ba	107.361
|-	Tb	
|>	Ho	102.523
|	Hg	100.492
|	Hg	98.336
|	Tl	106.457
|	Pb	103.954
|-	Bi	
	Se	102.387
	Se	103.828
	Se	102.428

Sample ID: QC Std 5
Sample Date/Time Thursday August 25 2011 4:28:18
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 5.18267
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8728.188		ug/L						
Be	9	34.499192	13499.48	ug/L	0.569					
B	10	139.941709	13031.13	ug/L	3.274					
B	11	139.643335	62796.55	ug/L	6.941					
C	12	438382.763		ug/L						
Na	23	0.440351	78236.4	ug/L	0.033					
Mg	24	0.637854	4004.627	ug/L	0.121					
Mg	25	0.722476	583.411	ug/L	0.16					
Al	27	183.149847	1330350	ug/L	8.507					
Si	28	130070.424		ug/L						
P	31	1.822744	18858.1	ug/L	0.431					
S	32	87783138.52		ug/L						
Cl	35	7827636.784		ug/L						
K	39	0.281946	742810.8	ug/L	1.344					
Ca	44	-8.625515	31213.29	ug/L	0.635					
Sc	45	181266.904		ug/L						
Ti	47	0.018765	221.672	ug/L	0.019					
Ti	48	0.109102	-1421	ug/L	0.004					
V	51	25.445771	306505.1	ug/L	0.61					
ClO	51	315224.488		ug/L						
Cr	52	50.426415	462835.2	ug/L	1.046					
Cr	53	49.679063	64752.44	ug/L	0.815					
Fe	54	199.593709	244578.5	ug/L	17.829					
Mn	55	107.652108	1552204	ug/L	2.791					
Fe	56	191.324265	5105510	ug/L	0.18					
Fe	57	187.880269	62661.49	ug/L	7.385					
Co	59	24.175474	262984.9	ug/L	0.526					
Ni	60	195.700608	485661.5	ug/L	5.58					
Ni	62	192.376699	72768.47	ug/L	3.254					
Cu	63	79.021429	426342	ug/L	1.383					
Zn	64	98.394699	240967.5	ug/L	1.683					
Cu	65	80.79355	207917.8	ug/L	1.452					
Zn	66	100.571888	144514.7	ug/L	1.059					
Zn	68	102.194868	105195.2	ug/L	1.493					
Ge	72	168647.348		ug/L						
As	75	46.729056	78038.14	ug/L	0.691					
Se	74	396.28899	20259.86	mg/L	118.755					
ArCl	77	21621.917		ug/L						

Br	79	2636.409	ug/L		
Br	81	24361.844	ug/L		
Y	89	463653.484	ug/L		
Mo	95	45.007046	199625.9	ug/L	2.071
Rh	103	460674.476	ug/L		
Ag	107	53.432466	678348.7	ug/L	0.456
Ag	109	53.339293	655350.7	ug/L	0.964
Cd	111	24.241242	78688.88	ug/L	0.044
Cd	114	24.188957	184149.9	ug/L	0.168
In	115	576447.914	ug/L		
Sb	121	53.656075	556482.7	ug/L	0.511
Sb	123	53.527462	426434.3	ug/L	0.041
Ba	137	151.082564	889627	ug/L	0.757
Ba	138	151.779389	5720128	ug/L	2.639
Tb	159	773232.389	ug/L		
Ho	165	757285.711	ug/L		
Hg	200	1.037478	2737.44	ug/L	0.037
Hg	202	1.025881	3564.735	ug/L	0.024
Tl	205	14.797524	503753.5	ug/L	0.055
Pb	208	106.912134	5037866	ug/L	0.654
Bi	209	553295.697	ug/L		
Se	77	164.026239	21403.84	mg/L	3.805
Se	78	169.885725	83870.19	mg/L	0.043
Se	82	164.000358	30378.23	mg/L	0.638

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	80.984							
|	B	87.464							
|	B	87.277							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	104.062							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.276							
|	Ti								
|	Ti								
|	V	102.192							
|	ClO								
|	Cr	102.493							

	Cr	100.974
	Fe	111.505
	Mn	101.559
	Fe	106.885
	Fe	104.961
	Co	103.757
	Ni	95.932
	Ni	94.302
	Cu	101.05
	Zn	93.709
	Cu	103.317
	Zn	95.783
-	Zn	97.328
>	Ge	99.192
	As	118.602
	Se	247.681
	ArCl	
	Br	
	Br	
	Y	
-	Mo	107.415
-	Rh	
	Ag	106.228
	Ag	106.042
	Cd	104.488
	Cd	104.263
>	In	101.716
	Sb	115.389
	Sb	115.113
	Ba	107.151
-	Ba	107.645
-	Tb	
>	Ho	101.572
	Hg	103.748
	Hg	102.588
	Tl	104.208
	Pb	102.8
-	Bi	
	Se	102.516
	Se	106.179
	Se	102.5

Sample	ID:	QC	Std	6						
Sample	Date/Time	Thursday	August	25	2011	4:35:27				
Autosampl	Position:	8								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	6.18268						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9137.924		ug/L						
Be	9	0.001771	8	ug/L	0.016					
B	10	0.396407	150.336	ug/L	0.216					
B	11	0.455904	693.033	ug/L	0.071					
C	12	428473.554		ug/L						
Na	23	9755.303661	71840611	ug/L	110.484					
Mg	24	9819.881019	48584418	ug/L	173.203					
Mg	25	9676.058511	6715353	ug/L	57.614					
Al	27	10068.24254	74843531	ug/L	119.816					
Si	28	71698.802		ug/L						
P	31	9774.948369	3700322	ug/L	94.943					
S	32	85348155.89		ug/L						
Cl	35	1818568.423		ug/L						
K	39	10161.35211	1.01E+08	ug/L	158.429					
Ca	44	10056.91828	3318674	ug/L	402.017					
Sc	45	186249.885		ug/L						
Ti	47	28.099381	23711.8	ug/L	0.675					
Ti	48	7.845545	65227.06	ug/L	1.499					
V	51	-1.547236	19015.4	ug/L	0.057					
ClO	51	19449.985		ug/L						
Cr	52	0.015078	8504.782	ug/L	0.021					
Cr	53	-5.026681	6179.162	ug/L	0.172					
Fe	54	10105.95969	7175188	ug/L	25.032					
Mn	55	0.059303	2586.061	ug/L	0.01					
Fe	56	10167.68182	1.28E+08	ug/L	26.009					
Fe	57	10329.67777	3084455	ug/L	90.549					
Co	59	0.029119	426.681	ug/L	0.002					
Ni	60	0.309369	878.051	ug/L	0.005					
Ni	62	0.055207	78.334	ug/L	0.018					
Cu	63	0.219726	1408.79	ug/L	0.015					
Zn	64	0.674974	2937.508	ug/L	0.01					
Cu	65	0.139561	456.683	ug/L	0.002					
Zn	66	0.617205	1619.827	ug/L	0.021					
Zn	68	0.53359	1172.421	ug/L	0.021					
Ge	72	173600.533		ug/L						
As	75	0.148024	384.701	ug/L	0.056					
Se	74	-372.389638	13046.05	mg/L	24.963					
ArCl	77	382.679		ug/L						

Br	79	2048.251	ug/L						
Br	81	24738.197	ug/L						
Y	89	482899.933	ug/L						
Mo	95	0.204143	1208.427	ug/L	0.045				
Rh	103	447576.163	ug/L						
Ag	107	0.257585	3942.904	ug/L	0.042				
Ag	109	0.254375	3769.825	ug/L	0.034				
Cd	111	0.009609	56.001	ug/L	0.004				
Cd	114	0.010472	133.002	ug/L	0				
In	115	599664.774	ug/L						
Sb	121	0.750019	9467.704	ug/L	0.06				
Sb	123	0.739043	7146.075	ug/L	0.089				
Ba	137	0.055029	388.679	ug/L	0.003				
Ba	138	0.052789	2371.188	ug/L	0.001				
Tb	159	786287.304	ug/L						
Ho	165	776893.113	ug/L						
Hg	200	0.011524	47.334	ug/L	0.001				
Hg	202	0.0096	59.001	ug/L	0.001				
Tl	205	0.005123	642.696	ug/L	0.002				
Pb	208	0.042981	2830.201	ug/L	0				
Bi	209	525967.556	ug/L						
Se	77	-2.124325	441.344	mg/L	0.463				
Se	78	0.909516	15169.22	mg/L	0.016				
Se	82	0.381208	59.083	mg/L	0.027				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	97.553							
|	Mg	98.199							
|	Mg	96.761							
|	Al	100.682							
|	Si								
|	P	97.749							
|	S								
|	Cl								
|	K	101.614							
|	Ca	100.569							
|>	Sc	104.06							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	101.06
|	Mn	
|	Fe	101.677
|	Fe	103.297
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	102.106
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	105.813
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	104.202
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.06
Sample Date/Time Thursday August 25 2011 4:42:43
Autosampl Position: 87
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.06.18269
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9208.666		ug/L						
Be	9	0.003271	8.333	ug/L	0.012					
B	10	5.28393	600.693	ug/L	0.16					
B	11	5.518552	2949.841	ug/L	0.144					
C	12	848324.936		ug/L						
Na	23	9192.544574	66226782	ug/L	167.292					
Mg	24	843.181261	4081565	ug/L	17.904					
Mg	25	827.467146	561754.2	ug/L	23.957					
Al	27	11.708601	91052.79	ug/L	0.563					
Si	28	2055386.624		ug/L						
P	31	39.567826	32845.84	ug/L	3.813					
S	32	82265571.5		ug/L						
Cl	35	387852.137		ug/L						
K	39	1104.106766	11378196	ug/L	29.466					
Ca	44	2422.061805	807883.3	ug/L	28.754					
Sc	45	182255.265		ug/L						
Ti	47	0.356705	499.352	ug/L	0.002					
Ti	48	2.220357	16346.82	ug/L	0.203					
V	51	-0.860088	25957.94	ug/L	0.119					
ClO	51	26512.877		ug/L						
Cr	52	0.461938	12367.93	ug/L	0.039					
Cr	53	-5.775562	5231.558	ug/L	0.344					
Fe	54	41.277821	137710.9	ug/L	1.943					
Mn	55	62.426928	905364.2	ug/L	2.142					
Fe	56	89.516181	3903398	ug/L	8.812					
Fe	57	80.039416	31601.37	ug/L	0.984					
Co	59	0.646318	7164.895	ug/L	0.01					
Ni	60	1.230696	3156.579	ug/L	0.037					
Ni	62	1.173166	501.352	ug/L	0.032					
Cu	63	0.89235	5023.104	ug/L	0.033					
Zn	64	3.369446	9472.677	ug/L	0.093					
Cu	65	0.818349	2201.955	ug/L	0.018					
Zn	66	3.440533	5642.807	ug/L	0.081					
Zn	68	3.399606	4094.63	ug/L	0.135					
Ge	72	173644.13		ug/L						
As	75	1.520464	2741.625	ug/L	0.095					
Se	74	3.505857	16852.82	mg/L	325.128					
ArCl	77	256.34		ug/L						

Br	79	37291.703	ug/L						
Br	81	61817.756	ug/L						
Y	89	481481.718	ug/L						
Mo	95	0.495428	2538.047	ug/L	0.02				
Rh	103	460817.382	ug/L						
Ag	107	0.006973	632.029	ug/L	0.01				
Ag	109	0.006906	606.36	ug/L	0.009				
Cd	111	0.059831	225.338	ug/L	0.001				
Cd	114	0.057661	506.019	ug/L	0.004				
In	115	598933.838	ug/L						
Sb	121	1.190049	14182.86	ug/L	0.015				
Sb	123	1.195304	10901.25	ug/L	0.02				
Ba	137	2.189312	13445.07	ug/L	0.023				
Ba	138	2.223382	87354.91	ug/L	0.007				
Tb	159	797057.094	ug/L						
Ho	165	786944.595	ug/L						
Hg	200	0.026458	88.668	ug/L	0				
Hg	202	0.018956	93.335	ug/L	0.001				
Tl	205	0.034436	1686.507	ug/L	0.004				
Pb	208	0.05595	3502.964	ug/L	0.006				
Bi	209	448677.052	ug/L						
Se	77	-3.445392	274.671	mg/L	0.239				
Se	78	0.720879	15092.53	mg/L	0.397				
Se	82	0.540527	88.605	mg/L	0.032				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.828							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	102.131
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	105.684
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	105.55
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.06 MS
Sample Date/Time Thursday August 25 2011 4:49:29
Autosampl Position: 88
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D MS.18270
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9709.182		ug/L						
Be	9	916.493174	357618.3	ug/L	5.502					
B	10	5.570995	622.694	ug/L	0.151					
B	11	5.14046	2759.446	ug/L	0.014					
C	12	1501540.548		ug/L						
Na	23	19717.82227	1.41E+08	ug/L	162.814					
Mg	24	12073.61681	57995814	ug/L	63.952					
Mg	25	12068.37586	8131698	ug/L	7.235					
Al	27	11244.57836	81152868	ug/L	265.582					
Si	28	1874392.697		ug/L						
P	31	10723.93688	3939585	ug/L	366.714					
S	32	85158192.71		ug/L						
Cl	35	2590664.671		ug/L						
K	39	12431.43616	1.2E+08	ug/L	118.011					
Ca	44	13162.25164	4206565	ug/L	103.309					
Sc	45	180826.016		ug/L						
Ti	47	26.744431	21921.3	ug/L	0.826					
Ti	48	12.961294	106126.7	ug/L	0.672					
V	51	1035.197136	11054996	ug/L	2.969					
ClO	51	11277494.76		ug/L						
Cr	52	1017.029999	9157928	ug/L	6.371					
Cr	53	964.207086	1044277	ug/L	1.138					
Fe	54	11138.87194	7667173	ug/L	164.682					
Mn	55	1074.159913	15438739	ug/L	6.816					
Fe	56	11239.62373	1.37E+08	ug/L	264.375					
Fe	57	11765.66844	3409809	ug/L	17.852					
Co	59	1016.104348	11024404	ug/L	0.438					
Ni	60	921.945899	2282608	ug/L	14.954					
Ni	62	901.731444	340102.6	ug/L	8.018					
Cu	63	950.531992	5114601	ug/L	8.164					
Zn	64	1031.250902	2508252	ug/L	6.119					
Cu	65	950.66665	2439980	ug/L	2.964					
Zn	66	1013.373911	1446447	ug/L	7.485					
Zn	68	1001.256956	1023046	ug/L	11.192					
Ge	72	167578.442		ug/L						
As	75	1075.306061	1781449	ug/L	10.561					
Se	74	1224.874146	28268.13	mg/L	98.381					
ArCl	77	140097.321		ug/L						

Br	79	40545.96	ug/L						
Br	81	63349.591	ug/L						
Y	89	458380.198	ug/L						
Mo	95	1060.663906	4669871	ug/L	12.055				
Rh	103	429012.48	ug/L						
Ag	107	896.897475	10885434	ug/L	7.409				
Ag	109	880.280444	10338451	ug/L	21.982				
Cd	111	1065.190462	3307050	ug/L	7.38				
Cd	114	1082.760409	7884399	ug/L	4.174				
In	115	551513.68	ug/L						
Sb	121	1104.372199	10935417	ug/L	42.078				
Sb	123	1097.288162	8346454	ug/L	31.438				
Ba	137	1056.965401	5953984	ug/L	11.411				
Ba	138	1076.146786	38798881	ug/L	3.087				
Tb	159	754980.775	ug/L						
Ho	165	744820.257	ug/L						
Hg	200	1.040033	2699.094	ug/L	0.012				
Hg	202	1.031153	3524.051	ug/L	0.001				
Tl	205	1020.884767	34151821	ug/L	14.421				
Pb	208	999.614568	46322283	ug/L	8.711				
Bi	209	468314.485	ug/L						
Se	77	1097.905783	139227.4	mg/L	3.839				
Se	78	1111.698689	466784.9	mg/L	9.25				
Se	82	1081.575383	200407.8	mg/L	5.434				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.029							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.564
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.317
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.9
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.06 MSD
Sample Date/Time Thursday August 25 2011 4:56:15
Autosampl Position: 89
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: MSD.18271
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9942.768		ug/L						
Be	9	912.806678	355209.2	ug/L	10.45					
B	10	5.363802	602.026	ug/L	0.008					
B	11	5.291987	2818.798	ug/L	0.185					
C	12	1496548.038		ug/L						
Na	23	19908.5162	1.42E+08	ug/L	183.353					
Mg	24	12101.33175	57964642	ug/L	277.985					
Mg	25	12170.13104	8177707	ug/L	175.829					
Al	27	11585.18373	83371782	ug/L	304.662					
Si	28	1891674.82		ug/L						
P	31	10751.29144	3938693	ug/L	157.583					
S	32	84018413.6		ug/L						
Cl	35	2580006.727		ug/L						
K	39	12345.05555	1.18E+08	ug/L	366.213					
Ca	44	13175.56974	4199247	ug/L	174.655					
Sc	45	180351.669		ug/L						
Ti	47	26.297581	21504.3	ug/L	0.314					
Ti	48	13.11827	107147.6	ug/L	0.162					
V	51	1039.611802	11071398	ug/L	15.771					
ClO	51	11379904.52		ug/L						
Cr	52	1021.486634	9172180	ug/L	21.504					
Cr	53	967.717555	1045201	ug/L	9.364					
Fe	54	11448.4788	7855526	ug/L	175.829					
Mn	55	1076.007845	15422122	ug/L	20.444					
Fe	56	11483.86049	1.4E+08	ug/L	450.877					
Fe	57	11586.36922	3348227	ug/L	368.157					
Co	59	1012.384559	10953367	ug/L	19.548					
Ni	60	920.786038	2273477	ug/L	12.454					
Ni	62	904.928887	340341.5	ug/L	21.729					
Cu	63	959.856689	5150656	ug/L	11.834					
Zn	64	1036.398273	2513924	ug/L	10.543					
Cu	65	952.758779	2438429	ug/L	22.463					
Zn	66	999.001429	1421940	ug/L	20.987					
Zn	68	997.361968	1016248	ug/L	16.649					
Ge	72	167947.859		ug/L						
As	75	1061.537106	1762482	ug/L	11.16					
Se	74	1333.52021	29390.17	mg/L	315.164					
ArCl	77	139909.782		ug/L						

Br	79	40179.999	ug/L						
Br	81	64282.45	ug/L						
Y	89	452995.989	ug/L						
Mo	95	1059.334262	4674372	ug/L	10.688				
Rh	103	432428.46	ug/L						
Ag	107	870.845283	10877958	ug/L	6.579				
Ag	109	866.646524	10476189	ug/L	24.445				
Cd	111	1038.315747	3317715	ug/L	0.482				
Cd	114	1072.388728	8036760	ug/L	9.239				
In	115	567590.388	ug/L						
Sb	121	1102.244543	11230415	ug/L	29.539				
Sb	123	1094.362222	8565926	ug/L	53.06				
Ba	137	1038.474541	6020705	ug/L	1.853				
Ba	138	1046.831744	38842739	ug/L	1.369				
Tb	159	756182.938	ug/L						
Ho	165	744906.413	ug/L						
Hg	200	1.039197	2697.094	ug/L	0.005				
Hg	202	1.023652	3498.375	ug/L	0.016				
Tl	205	1016.224126	33991713	ug/L	20.838				
Pb	208	1002.072727	46426675	ug/L	27.399				
Bi	209	471755.469	ug/L						
Se	77	1095.030114	138864.6	mg/L	5.933				
Se	78	1104.404878	463819.4	mg/L	24.367				
Se	82	1069.729581	198212.7	mg/L	5.89				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.764							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	98.781
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	100.154
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	99.912
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 5:03:02
Autosampl Position: 90
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18272
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9623.758		ug/L						
Be	9	0.087192	41.334	ug/L	0.003					
B	10	0.192814	128.002	ug/L	0.102					
B	11	0.359815	633.695	ug/L	0.078					
C	12	479504.466		ug/L						
Na	23	6.337108	120854	ug/L	0.784					
Mg	24	2.483364	12930.48	ug/L	0.05					
Mg	25	2.423129	1737.006	ug/L	0.108					
Al	27	2.95748	27417.37	ug/L	0.135					
Si	28	82029.929		ug/L						
P	31	7.003961	20822.64	ug/L	4.717					
S	32	85782768.63		ug/L						
Cl	35	9510392.294		ug/L						
K	39	6.331138	803659.6	ug/L	0.894					
Ca	44	-1.963288	33444.75	ug/L	0.541					
Sc	45	181900.511		ug/L						
Ti	47	0.031867	233.005	ug/L	0.005					
Ti	48	0.133454	-1221.3	ug/L	0.003					
V	51	-0.165274	33372.83	ug/L	0.059					
ClO	51	34230.692		ug/L						
Cr	52	0.111057	9174.318	ug/L	0.011					
Cr	53	-0.665269	10735.11	ug/L	0.072					
Fe	54	31.430388	130739.5	ug/L	2.222					
Mn	55	0.133902	3602.753	ug/L	0.026					
Fe	56	43.327628	3341405	ug/L	5.311					
Fe	57	25.159975	15571.56	ug/L	2.592					
Co	59	0.092943	1112.083	ug/L	0.033					
Ni	60	0.141681	439.682	ug/L	0.028					
Ni	62	0.148815	112.002	ug/L	0.007					
Cu	63	0.389069	2291.647	ug/L	0.047					
Zn	64	3.612798	10052.15	ug/L	0.15					
Cu	65	0.407765	1138.083	ug/L	0.043					
Zn	66	3.732549	6053.075	ug/L	0.019					
Zn	68	3.706231	4404.111	ug/L	0.001					
Ge	72	172561.036		ug/L						
As	75	0.648282	1235.928	ug/L	0.045					
Se	74	-105.493638	15660.02	mg/L	242.72					
ArCl	77	938.391		ug/L						

Br	79	2373.333	ug/L						
Br	81	26527.586	ug/L						
Y	89	476576.044	ug/L						
Mo	95	4.363644	20051.82	ug/L	0.604				
Rh	103	459210.517	ug/L						
Ag	107	1.414249	18802	ug/L	0.109				
Ag	109	1.410337	18142.64	ug/L	0.092				
Cd	111	0.107372	378.012	ug/L	0.003				
Cd	114	0.109224	895.72	ug/L	0.003				
In	115	587093.704	ug/L						
Sb	121	11.28531	120288.2	ug/L	1.531				
Sb	123	11.280289	92330.07	ug/L	1.47				
Ba	137	0.139443	886.719	ug/L	0.024				
Ba	138	0.139437	5647.142	ug/L	0.019				
Tb	159	784300.066	ug/L						
Ho	165	775821.412	ug/L						
Hg	200	0.03016	97.335	ug/L	0.002				
Hg	202	0.029994	131.002	ug/L	0.001				
Tl	205	0.119029	4609.218	ug/L	0.012				
Pb	208	0.221011	11415.29	ug/L	0.02				
Bi	209	533015.884	ug/L						
Se	77	1.786175	934.715	mg/L	0.703				
Se	78	3.423136	16191.19	mg/L	0.807				
Se	82	1.773888	317.151	mg/L	0.292				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.63							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.494
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.595
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.058
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 5:09:48
Autosampl Position: 91
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18273
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9666.471		ug/L						
Be	9	0.01855	14.333	ug/L	0.006					
B	10	0.231945	131.002	ug/L	0.041					
B	11	0.35926	630.695	ug/L	0.025					
C	12	466474.01		ug/L						
Na	23	1.675435	86982.81	ug/L	0.002					
Mg	24	2.017299	10630.61	ug/L	0.003					
Mg	25	2.261458	1620.306	ug/L	0.048					
Al	27	4.692242	39831.04	ug/L	0.041					
Si	28	84812.313		ug/L						
P	31	-0.334068	18046.36	ug/L	0.474					
S	32	86764245.08		ug/L						
Cl	35	9521327.068		ug/L						
K	39	4.261735	780200.3	ug/L	0.757					
Ca	44	-0.640784	33712.43	ug/L	0.354					
Sc	45	181070.827		ug/L						
Ti	47	0.059383	254.339	ug/L	0.008					
Ti	48	0.129126	-1251.96	ug/L	0.003					
V	51	0.012334	35112.03	ug/L	0.018					
ClO	51	35706.024		ug/L						
Cr	52	0.081225	8864.047	ug/L	0.002					
Cr	53	0.031665	11433.97	ug/L	0.279					
Fe	54	16.065744	119714.5	ug/L	5.577					
Mn	55	0.068216	2642.41	ug/L	0.003					
Fe	56	27.099094	3131852	ug/L	2.256					
Fe	57	12.632341	11875.61	ug/L	1.441					
Co	59	0.021194	328.676	ug/L	0.003					
Ni	60	0.310494	856.382	ug/L	0.008					
Ni	62	0.302055	169.337	ug/L	0.046					
Cu	63	0.292769	1763.189	ug/L	0.002					
Zn	64	3.182415	8959.958	ug/L	0.028					
Cu	65	0.293833	840.381	ug/L	0.02					
Zn	66	3.22457	5299.597	ug/L	0.03					
Zn	68	3.171952	3837.515	ug/L	0.108					
Ge	72	172877.816		ug/L						
As	75	0.233063	527.189	ug/L	0.093					
Se	74	-168.382807	15026.32	mg/L	392.384					
ArCl	77	822.045		ug/L						

Br	79	2146.275	ug/L						
Br	81	25031.67	ug/L						
Y	89	477172.232	ug/L						
Mo	95	1.183264	5645.815	ug/L	0.125				
Rh	103	460713.258	ug/L						
Ag	107	0.754367	10140.1	ug/L	0.046				
Ag	109	0.758553	9860.456	ug/L	0.058				
Cd	111	0.036947	143.336	ug/L	0.002				
Cd	114	0.034983	316.009	ug/L	0				
In	115	579396.015	ug/L						
Sb	121	2.987016	32404.71	ug/L	0.163				
Sb	123	2.95294	24585.71	ug/L	0.124				
Ba	137	0.063408	425.014	ug/L	0				
Ba	138	0.058503	2507.263	ug/L	0.002				
Tb	159	770574.781	ug/L						
Ho	165	749639.633	ug/L						
Hg	200	0.01755	61.334	ug/L	0.001				
Hg	202	0.016933	82.001	ug/L	0.001				
Tl	205	0.029271	1433.794	ug/L	0.003				
Pb	208	0.104174	5586.065	ug/L	0.006				
Bi	209	530325.568	ug/L						
Se	77	1.056902	842.706	mg/L	0.179				
Se	78	2.132136	15666.3	mg/L	0.657				
Se	82	0.462441	74.136	mg/L	0.23				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.166							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.681
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	102.237
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.547
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 5:16:34
Autosampl Position: 92
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18274
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas. Intens.	Mean	Report Unit	Conc.	SD
Li	6	9767.912		ug/L				
Be	9	0.009079	11	ug/L	0.004			
B	10	-0.451412	70.334	ug/L	0.016			
B	11	-0.348629	326.009	ug/L	0.074			
C	12	423588.616		ug/L				
Na	23	-6.39113	30320.22	ug/L	0.169			
Mg	24	0.166772	1790.356	ug/L	0.021			
Mg	25	0.237136	263.363	ug/L	0.033			
Al	27	0.141955	7193.565	ug/L	0.025			
Si	28	65051.821		ug/L				
P	31	-4.736287	17010.94	ug/L	1.241			
S	32	86761366.85		ug/L				
Cl	35	8316656.461		ug/L				
K	39	-3.513693	730503.2	ug/L	0.085			
Ca	44	-17.920281	29216.46	ug/L	0.792			
Sc	45	187414.797		ug/L				
Ti	47	-0.065264	158.336	ug/L	0.008			
Ti	48	0.056644	-1924.41	ug/L	0.001			
V	51	-0.251328	33432.37	ug/L	0.046			
ClO	51	34063.708		ug/L				
Cr	52	0.026526	8664.65	ug/L	0.006			
Cr	53	-0.873645	10828.89	ug/L	0.028			
Fe	54	2.701518	114502.5	ug/L	1.181			
Mn	55	-0.033641	1217.76	ug/L	0.001			
Fe	56	18.359236	3133215	ug/L	0.012			
Fe	57	2.754332	9332.387	ug/L	0.37			
Co	59	0.005045	158.67	ug/L	0.002			
Ni	60	0.001156	92.668	ug/L	0.001			
Ni	62	-0.000607	57.001	ug/L	0.014			
Cu	63	0.022236	316.342	ug/L	0.004			
Zn	64	0.01388	1290.166	ug/L	0.004			
Cu	65	0.018306	137.002	ug/L	0.001			
Zn	66	0.046263	785.708	ug/L	0.001			
Zn	68	0.027393	644.029	ug/L	0.011			
Ge	72	172898.013		ug/L				
As	75	0.040531	199.48	ug/L	0.019			
Se	74	54.484934	17316.71	mg/L	47.112			
ArCl	77	783.708		ug/L				

Br	79	2096.929	ug/L						
Br	81	26693.746	ug/L						
Y	89	491441.745	ug/L						
Mo	95	0.523296	2653.08	ug/L	0.011				
Rh	103	471603.319	ug/L						
Ag	107	0.254524	3883.869	ug/L	0.008				
Ag	109	0.252148	3728.143	ug/L	0.036				
Cd	111	0.008266	51.334	ug/L	0				
Cd	114	0.008622	118.002	ug/L	0.002				
In	115	597086.53	ug/L						
Sb	121	1.198645	14229.94	ug/L	0.011				
Sb	123	1.205729	10951.61	ug/L	0.021				
Ba	137	0.012126	125.002	ug/L	0.003				
Ba	138	0.009184	658.578	ug/L	0				
Tb	159	776169.391	ug/L						
Ho	165	757949.14	ug/L						
Hg	200	0.005113	29.334	ug/L	0.002				
Hg	202	0.001242	28.667	ug/L	0.002				
Tl	205	0.008686	748.705	ug/L	0.002				
Pb	208	0.021261	1737.082	ug/L	0.001				
Bi	209	546572.611	ug/L						
Se	77	0.62357	788.034	mg/L	0.344				
Se	78	2.844524	15955.94	mg/L	0.182				
Se	82	0.40465	63.427	mg/L	0.08				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	104.711							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.692
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	105.358
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.661
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.07
Sample Date/Time Thursday August 25 2011 5:23:20
Autosampl Position: 93
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.07.18275
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10066.905		ug/L						
Be	9	0.003847	9.667	ug/L	0.013					
B	10	23.73172	2567.388	ug/L	0.597					
B	11	24.288747	12623.55	ug/L	0.653					
C	12	4817555.59		ug/L						
Na	23	17930.46851	1.43E+08	ug/L	423.55					
Mg	24	8213.725998	44129396	ug/L	99.982					
Mg	25	8269.277314	6234461	ug/L	149.742					
Al	27	0.205974	8281.266	ug/L	0.004					
Si	28	24822922.07		ug/L						
P	31	-11.522805	15594.97	ug/L	2.104					
S	32	81497084.07		ug/L						
Cl	35	770801.763		ug/L						
K	39	2608.742167	28724614	ug/L	6.679					
Ca	44	14106.23998	5040494	ug/L	12.042					
Sc	45	202281.11		ug/L						
Ti	47	0.914608	1060.406	ug/L	0.044					
Ti	48	12.495673	114257.3	ug/L	0.855					
V	51	-1.840589	17141.67	ug/L	0.113					
ClO	51	17657.328		ug/L						
Cr	52	-0.40216	5033.977	ug/L	0.028					
Cr	53	-6.042033	5489.38	ug/L	0.323					
Fe	54	17.080843	134520.1	ug/L	1.927					
Mn	55	205.351752	3302252	ug/L	4.451					
Fe	56	43.603626	3719868	ug/L	0.83					
Fe	57	97.068374	40577.78	ug/L	0.561					
Co	59	0.513934	6346.612	ug/L	0.006					
Ni	60	1.67398	4733.28	ug/L	0.01					
Ni	62	1.251096	589.358	ug/L	0.036					
Cu	63	1.748285	10724.43	ug/L	0.077					
Zn	64	53.210611	146011.5	ug/L	1.419					
Cu	65	1.636075	4791.977	ug/L	0.015					
Zn	66	54.375371	87510.75	ug/L	2.119					
Zn	68	52.943073	61117.7	ug/L	1.667					
Ge	72	172425.157		ug/L						
As	75	0.323501	681.234	ug/L	0.012					
Se	74	601.084151	22786.22	mg/L	99.944					
ArCl	77	307.008		ug/L						

Br	79	33428.018	ug/L						
Br	81	56993.333	ug/L						
Y	89	468159.218	ug/L						
Mo	95	0.303646	1650.833	ug/L	0.015				
Rh	103	442992.084	ug/L						
Ag	107	0.092622	1711.85	ug/L	0.032				
Ag	109	0.074254	1424.461	ug/L	0.018				
Cd	111	0.175292	597.359	ug/L	0.002				
Cd	114	0.179401	1427.46	ug/L	0				
In	115	582106.529	ug/L						
Sb	121	0.492653	6498.054	ug/L	0.016				
Sb	123	0.492714	4955.597	ug/L	0.036				
Ba	137	9.469571	56354.69	ug/L	0.035				
Ba	138	9.54337	363448.8	ug/L	0.117				
Tb	159	774119.634	ug/L						
Ho	165	763996.665	ug/L						
Hg	200	0.000862	18.334	ug/L	0				
Hg	202	0.000402	26	ug/L	0.001				
Tl	205	0.023733	1270.768	ug/L	0				
Pb	208	0.246587	12460.81	ug/L	0.003				
Bi	209	444127.736	ug/L						
Se	77	-3.18118	308.005	mg/L	0.493				
Se	78	-0.869551	14445.9	mg/L	0.832				
Se	82	0.671513	112.878	mg/L	0.021				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	113.017							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.414
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	102.715
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.472
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.08
Sample Date/Time Thursday August 25 2011 5:30:07
Autosampl Position: 94
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.08.18276
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9833.318		ug/L						
Be	9	0.002571	8	ug/L	0.003					
B	10	-0.279545	83.001	ug/L	0.047					
B	11	-0.114441	415.014	ug/L	0.114					
C	12	802704.074		ug/L						
Na	23	192.458301	1437761	ug/L	6.117					
Mg	24	10.201681	49516.13	ug/L	0.505					
Mg	25	10.012338	6786.544	ug/L	0.156					
Al	27	1.00316	13054.01	ug/L	0.002					
Si	28	436456.925		ug/L						
P	31	-13.454966	13120.77	ug/L	0.351					
S	32	85483432.7		ug/L						
Cl	35	62685.11		ug/L						
K	39	1.762355	749198.5	ug/L	2.133					
Ca	44	44.292312	47518.63	ug/L	6.388					
Sc	45	179429.882		ug/L						
Ti	47	-0.047233	166.003	ug/L	0.013					
Ti	48	0.115746	-1351.31	ug/L	0.004					
V	51	-1.974551	13796.27	ug/L	0.077					
ClO	51	14124.112		ug/L						
Cr	52	-0.013621	7939.104	ug/L	0.02					
Cr	53	-6.720046	4150.323	ug/L	0.22					
Fe	54	-38.452947	81936.2	ug/L	2.834					
Mn	55	0.292299	5812.249	ug/L	0.01					
Fe	56	12.233952	2926880	ug/L	0.739					
Fe	57	1.36749	8541.541	ug/L	1.371					
Co	59	0.000625	104.335	ug/L	0					
Ni	60	0.061651	237.339	ug/L	0					
Ni	62	0.051181	74.001	ug/L	0.011					
Cu	63	0.046935	434.348	ug/L	0.006					
Zn	64	0.064465	1356.402	ug/L	0.03					
Cu	65	0.044194	197.004	ug/L	0.003					
Zn	66	0.089204	812.711	ug/L	0.019					
Zn	68	0.063378	652.697	ug/L	0.03					
Ge	72	172589.562		ug/L						
As	75	0.166071	413.106	ug/L	0.057					
Se	74	-174.389272	14965.48	mg/L	393.808					
ArCl	77	226.338		ug/L						

Br	79	1074.074	ug/L						
Br	81	22825.867	ug/L						
Y	89	464778.72	ug/L						
Mo	95	0.128918	860.383	ug/L	0.011				
Rh	103	465381.281	ug/L						
Ag	107	0.129486	2225.629	ug/L	0.015				
Ag	109	0.132116	2182.618	ug/L	0.018				
Cd	111	0.006058	43.667	ug/L	0.002				
Cd	114	0.038242	349.344	ug/L	0.002				
In	115	593564.399	ug/L						
Sb	121	0.164744	3133.907	ug/L	0.021				
Sb	123	0.165997	2380.197	ug/L	0.015				
Ba	137	0.12126	786.375	ug/L	0.007				
Ba	138	0.125643	5174.353	ug/L	0.004				
Tb	159	776483.128	ug/L						
Ho	165	749451.376	ug/L						
Hg	200	0.002669	22.667	ug/L	0.001				
Hg	202	-0.001502	19	ug/L	0				
Tl	205	0.014363	931.057	ug/L	0.001				
Pb	208	0.002516	843.357	ug/L	0				
Bi	209	458891.049	ug/L						
Se	77	-3.836423	225.336	mg/L	0.194				
Se	78	0.056644	14822.47	mg/L	0.728				
Se	82	0.142566	14.862	mg/L	0.179				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.249							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.511
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	104.737
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.522
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.09
Sample Date/Time Thursday August 25 2011 5:36:53
Autosampl Position: 95
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.09.18277
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9646.449		ug/L						
Be	9	-0.000004	8	ug/L	0.009					
B	10	21.778215	2397.34	ug/L	0.435					
B	11	22.574298	11923.93	ug/L	0.395					
C	12	3214795.814		ug/L						
Na	23	23303.75978	1.89E+08	ug/L	118.572					
Mg	24	12059.91764	65638190	ug/L	253.432					
Mg	25	12114.0088	9247567	ug/L	203.895					
Al	27	0.459205	10457.06	ug/L	0.018					
Si	28	24003538.14		ug/L						
P	31	4.03677	22229.37	ug/L	0.507					
S	32	87495315.51		ug/L						
Cl	35	1411245.303		ug/L						
K	39	5792.836043	63583048	ug/L	5.086					
Ca	44	24525.30246	8847562	ug/L	160.257					
Sc	45	204874.866		ug/L						
Ti	47	1.03738	1187.423	ug/L	0.022					
Ti	48	21.271236	199039	ug/L	0.459					
V	51	-1.998784	15469.31	ug/L	0.055					
ClO	51	15892.039		ug/L						
Cr	52	-0.393769	5187.384	ug/L	0.011					
Cr	53	-6.686727	4781.972	ug/L	0.126					
Fe	54	1730.543734	1453609	ug/L	20.807					
Mn	55	497.42788	8101450	ug/L	3.435					
Fe	56	1714.001699	26419122	ug/L	42.891					
Fe	57	1742.086848	580000.4	ug/L	62.617					
Co	59	0.231346	2954.843	ug/L	0.011					
Ni	60	0.812634	2377.335	ug/L	0.023					
Ni	62	0.229559	160.67	ug/L	0.011					
Cu	63	0.434474	2858.811	ug/L	0.003					
Zn	64	0.866365	3758.566	ug/L	0.016					
Cu	65	0.287561	932.724	ug/L	0.001					
Zn	66	0.105102	954.06	ug/L	0.01					
Zn	68	1.110538	1957.23	ug/L	0.01					
Ge	72	169991.994		ug/L						
As	75	6.52634	11095.15	ug/L	0.009					
Se	74	-27.478526	16198.24	mg/L	323.955					
ArCl	77	319.675		ug/L						

Br	79	36020.581	ug/L						
Br	81	58996.073	ug/L						
Y	89	462000.655	ug/L						
Mo	95	0.907458	4322.742	ug/L	0.101				
Rh	103	432588.433	ug/L						
Ag	107	-0.004794	457.683	ug/L	0.009				
Ag	109	-0.008122	398.013	ug/L	0.006				
Cd	111	0.005872	41.667	ug/L	0.002				
Cd	114	0.004425	81.668	ug/L	0				
In	115	575459.37	ug/L						
Sb	121	0.123493	2612.069	ug/L	0.018				
Sb	123	0.13739	2080.575	ug/L	0.015				
Ba	137	39.167276	230253.9	ug/L	0.747				
Ba	138	38.961675	1465923	ug/L	0.431				
Tb	159	755183.142	ug/L						
Ho	165	742859.082	ug/L						
Hg	200	0.004038	26	ug/L	0				
Hg	202	0.000817	26.667	ug/L	0.001				
Tl	205	0.010765	802.71	ug/L	0.002				
Pb	208	0.015037	1414.723	ug/L	0				
Bi	209	437931.394	ug/L						
Se	77	-3.11777	316.005	mg/L	0.015				
Se	78	-0.613339	14550.07	mg/L	0.394				
Se	82	0.80649	137.889	mg/L	0.241				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	114.466							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.983
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	101.542
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.637
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.1
Sample Date/Time Thursday August 25 2011 5:43:39
Autosampl Position: 96
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.10.18278
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10313.848		ug/L						
Be	9	-0.006287	5.667	ug/L	0.003					
B	10	3.983808	585.358	ug/L	0.093					
B	11	4.124449	2834.47	ug/L	0.021					
C	12	5234594.947		ug/L						
Na	23	11117.71125	97643473	ug/L	173.143					
Mg	24	8908.374453	52577053	ug/L	12.98					
Mg	25	8928.725069	7391681	ug/L	47.462					
Al	27	-0.030562	6996.725	ug/L	0.023					
Si	28	35527073.03		ug/L						
P	31	-12.988946	16453.2	ug/L	1.716					
S	32	86315241.19		ug/L						
Cl	35	441291.571		ug/L						
K	39	4031.082061	48259252	ug/L	20.35					
Ca	44	15827.86161	6206126	ug/L	266.838					
Sc	45	222174.278		ug/L						
Ti	47	1.431018	1680.839	ug/L	0.067					
Ti	48	13.162037	132472.4	ug/L	0.221					
V	51	-2.339683	12314.14	ug/L	0.061					
ClO	51	12610.875		ug/L						
Cr	52	-0.542023	3985.974	ug/L	0.016					
Cr	53	-7.728921	3813.838	ug/L	0.087					
Fe	54	2890.850845	2544239	ug/L	114.389					
Mn	55	540.820359	9551199	ug/L	3.523					
Fe	56	2852.888661	45402000	ug/L	81.574					
Fe	57	2785.591005	999817	ug/L	111.76					
Co	59	0.112753	1624.161	ug/L	0.004					
Ni	60	0.575342	1856.208	ug/L	0.014					
Ni	62	0.243513	180.67	ug/L	0.007					
Cu	63	0.195557	1520.809	ug/L	0					
Zn	64	0.460577	2863.286	ug/L	0.025					
Cu	65	0.129499	513.02	ug/L	0.001					
Zn	66	0.078053	987.397	ug/L	0.024					
Zn	68	0.567608	1441.796	ug/L	0.074					
Ge	72	175471.99		ug/L						
As	75	1.275056	2344.076	ug/L	0.042					
Se	74	-404.396844	12863.42	mg/L	162.809					
ArCl	77	247.339		ug/L						

Br	79	31816.9	ug/L						
Br	81	55462.227	ug/L						
Y	89	470261.747	ug/L						
Mo	95	0.255067	1455.798	ug/L	0.026				
Rh	103	447109.681	ug/L						
Ag	107	-0.016114	322.009	ug/L	0.006				
Ag	109	-0.016016	308.342	ug/L	0.009				
Cd	111	0.001541	28.334	ug/L	0.001				
Cd	114	0.004646	85.335	ug/L	0				
In	115	589072.183	ug/L						
Sb	121	0.093756	2358.997	ug/L	0.011				
Sb	123	0.099324	1820.104	ug/L	0.002				
Ba	137	12.467527	75067.41	ug/L	0.032				
Ba	138	12.625184	486465.5	ug/L	0.112				
Tb	159	769316.105	ug/L						
Ho	165	755003.098	ug/L						
Hg	200	-0.000968	13.333	ug/L	0				
Hg	202	-0.002125	17	ug/L	0.001				
Tl	205	0.010152	795.376	ug/L	0.003				
Pb	208	0.002837	864.692	ug/L	0.001				
Bi	209	458864.721	ug/L						
Se	77	-3.825855	226.669	mg/L	0.03				
Se	78	0.37368	14951.36	mg/L	0.152				
Se	82	0.604052	100.377	mg/L	0.194				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	124.131							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	103.206
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.944
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.266
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	1						
Sample	Date/Time	Thursday	August	25	2011	5:50:22				
Autosampl	Position:	5								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	1.18279						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9546.344		ug/L						
Be	9	-0.008022	4	ug/L	0.005					
B	10	-0.12658	99.002	ug/L	0.254					
B	11	-0.042071	457.016	ug/L	0.005					
C	12	501508.578		ug/L						
Na	23	0.944613	82765.43	ug/L	1.891					
Mg	24	3.087479	15979.61	ug/L	0.976					
Mg	25	3.026871	2163.817	ug/L	0.871					
Al	27	0.302062	8204.532	ug/L	0.082					
Si	28	82164.698		ug/L						
P	31	4.152722	19920.46	ug/L	1.352					
S	32	87590297.11		ug/L						
Cl	35	8160016.985		ug/L						
K	39	1.666138	764330.7	ug/L	1.502					
Ca	44	-18.297328	28440.6	ug/L	1.082					
Sc	45	183209.059		ug/L						
Ti	47	-0.023253	189.337	ug/L	0.005					
Ti	48	0.106134	-1461.48	ug/L	0.006					
V	51	-0.801406	26747.23	ug/L	0.069					
ClO	51	27054.808		ug/L						
Cr	52	-0.040568	7858.344	ug/L	0.008					
Cr	53	-2.329848	9004.549	ug/L	0.248					
Fe	54	18.865854	123054.1	ug/L	3.247					
Mn	55	0.122955	3473.049	ug/L	0.053					
Fe	56	17.666121	3054599	ug/L	2.567					
Fe	57	16.147185	13050.73	ug/L	4.905					
Co	59	-0.001088	87.668	ug/L	0					
Ni	60	0.002116	93.001	ug/L	0					
Ni	62	-0.000785	55.667	ug/L	0.008					
Cu	63	0.003169	205.338	ug/L	0.003					
Zn	64	0.100703	1474.851	ug/L	0.028					
Cu	65	0.0041	97.001	ug/L	0.002					
Zn	66	0.121641	877.051	ug/L	0.004					
Zn	68	0.072013	675.699	ug/L	0.01					
Ge	72	168161.092		ug/L						
As	75	0.082439	263.712	ug/L	0.014					
Se	74	496.6084	21193.43	mg/L	56.912					
ArCl	77	665.031		ug/L						

Br	79	2477.696	ug/L						
Br	81	26523.902	ug/L						
Y	89	472855.615	ug/L						
Mo	95	0.140539	889.386	ug/L	0.011				
Rh	103	461564.546	ug/L						
Ag	107	0.171666	2752.778	ug/L	0.006				
Ag	109	0.15231	2415.351	ug/L	0.04				
Cd	111	-0.000154	22.667	ug/L	0.001				
Cd	114	0.000963	56.667	ug/L	0.001				
In	115	588344.787	ug/L						
Sb	121	0.337423	4928.718	ug/L	0				
Sb	123	0.340596	3774.271	ug/L	0.022				
Ba	137	0.010288	112.335	ug/L	0.001				
Ba	138	0.011031	719.538	ug/L	0.003				
Tb	159	772646.292	ug/L						
Ho	165	755634.986	ug/L						
Hg	200	0.002725	23	ug/L	0.001				
Hg	202	-0.00184	18	ug/L	0.001				
Tl	205	0.000686	474.351	ug/L	0.002				
Pb	208	0.015595	1465.394	ug/L	0.001				
Bi	209	559012.559	ug/L						
Se	77	-0.232516	680.025	mg/L	0.359				
Se	78	0.916792	15172.18	mg/L	1.291				
Se	82	0.154877	17.143	mg/L	0.382				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.361							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	98.906
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	103.816
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	101.351
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Thursday August 25 2011 5:57:32
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 2.1828
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10014.847		ug/L						
Be	9	89.146474	35626.36	ug/L	0.935					
B	10	94.668234	9043.921	ug/L	0.147					
B	11	91.64678	42288.92	ug/L	0.726					
C	12	460654.353		ug/L						
Na	23	98.546079	797441.3	ug/L	0.665					
Mg	24	104.700928	515894.4	ug/L	2.068					
Mg	25	107.634259	74363.68	ug/L	0.588					
Al	27	107.202981	798416.5	ug/L	1.195					
Si	28	261126.524		ug/L						
P	31	6.748234	21106.58	ug/L	0.599					
S	32	89003508.06		ug/L						
Cl	35	8444690.2		ug/L						
K	39	1068.534733	11218764	ug/L	9.484					
Ca	44	83.639467	61829.04	ug/L	3.732					
Sc	45	185183.428		ug/L						
Ti	47	103.257013	86060.97	ug/L	1.466					
Ti	48	104.540462	893361.1	ug/L	1.389					
V	51	100.768016	1134220	ug/L	1.134					
ClO	51	1162978.983		ug/L						
Cr	52	101.964959	947595.9	ug/L	1.847					
Cr	53	100.647717	122055.1	ug/L	1.801					
Fe	54	117.84477	193078.2	ug/L	11.631					
Mn	55	101.005733	1487996	ug/L	1.874					
Fe	56	107.446835	4187532	ug/L	2.325					
Fe	57	108.723066	40591.14	ug/L	1.903					
Co	59	102.682662	1140671	ug/L	3.198					
Ni	60	97.043495	246074.1	ug/L	2.481					
Ni	62	96.217571	37210.71	ug/L	1.188					
Cu	63	101.50313	559374.7	ug/L	2.295					
Zn	64	96.663718	241857.1	ug/L	1.747					
Cu	65	102.617169	269761.6	ug/L	1.598					
Zn	66	97.3621	142931.9	ug/L	2.02					
Zn	68	96.596273	101610.7	ug/L	1.528					
Ge	72	171449.626		ug/L						
As	75	110.759476	187849	ug/L	1.291					
Se	74	74.460772	17373.43	mg/L	167.017					
ArCl	77	14304.726		ug/L						

Br	79	2134.939	ug/L		
Br	81	25632.008	ug/L		
Y	89	475676.913	ug/L		
Mo	95	103.584237	466811.4	ug/L	3.677
Rh	103	454372.263	ug/L		
Ag	107	58.685406	761607	ug/L	0.658
Ag	109	58.528964	735040	ug/L	1.227
Cd	111	105.302224	349367	ug/L	1.387
Cd	114	105.269536	819236.9	ug/L	0.239
In	115	589367.904	ug/L		
Sb	121	99.667655	1055115	ug/L	6.908
Sb	123	98.408886	800300.2	ug/L	6.832
Ba	137	105.500854	635113	ug/L	1.308
Ba	138	105.662518	4070169	ug/L	4.006
Tb	159	775059.698	ug/L		
Ho	165	767328.264	ug/L		
Hg	200	1.017239	2720.101	ug/L	0.032
Hg	202	1.022433	3600.082	ug/L	0.018
Tl	205	107.728235	3713187	ug/L	0.773
Pb	208	104.293718	4979718	ug/L	0.434
Bi	209	567893.582	ug/L		
Se	77	108.963582	14456.82	mg/L	3.174
Se	78	109.41459	59284.33	mg/L	1.303
Se	82	105.054818	19455.43	mg/L	2.596

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	88.264							
|	B	94.385							
|	B	91.373							
|	C								
|	Na	97.281							
|	Mg	103.664							
|	Mg	106.569							
|	Al	106.776							
|	Si								
|	P								
|	S								
|	Cl								
|	K	106.534							
|	Ca	82.893							
|>	Sc	103.464							
|	Ti	103.257							
|	Ti	104.54							
|	V	100.367							
|	ClO								
|	Cr	100.955							

	Cr	99.651
	Fe	117.142
	Mn	100.603
	Fe	106.806
	Fe	108.075
	Co	102.07
	Ni	96.273
	Ni	95.454
	Cu	101.605
	Zn	95.992
	Cu	102.72
	Zn	96.685
|-	Zn	95.925
|>	Ge	100.841
	As	111.428
	Se	74.312
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	103.274
|-	Rh	
	Ag	58.22
	Ag	58.064
	Cd	104.778
	Cd	104.746
|>	In	103.996
	Sb	99.37
	Sb	98.115
	Ba	104.767
|-	Ba	104.928
|-	Tb	
|>	Ho	102.919
	Hg	101.724
	Hg	102.243
	Tl	107.728
	Pb	104.294
|-	Bi	
	Se	108.746
	Se	109.196
	Se	104.845

Sample	ID:	QC	Std	5						
Sample	Date/Time	Thursday	August	25	2011	6:04:41				
Autosampl	Position:	7								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	5.18281						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9952.112	ug/L							
Be	9	38.077977	15223.22	ug/L	0.313					
B	10	155.365175	14770.81	ug/L	2.833					
B	11	151.956152	69795.27	ug/L	0.061					
C	12	453420.013	ug/L							
Na	23	-3.082496	54156.24	ug/L	0.088					
Mg	24	0.401835	2924.104	ug/L	0.111					
Mg	25	0.618699	523.401	ug/L	0.065					
Al	27	186.106239	1381506	ug/L	3.855					
Si	28	132660.889	ug/L							
P	31	6.231387	20909.61	ug/L	6.907					
S	32	88226385.95	ug/L							
Cl	35	7885125.087	ug/L							
K	39	-2.014032	736478.1	ug/L	0.213					
Ca	44	-19.103709	28484.07	ug/L	0.233					
Sc	45	185181.742	ug/L							
Ti	47	0.023585	230.339	ug/L	0.002					
Ti	48	0.132387	-1252.68	ug/L	0.016					
V	51	25.14675	309918.6	ug/L	0.037					
ClO	51	313876.03	ug/L							
Cr	52	50.442221	473050.7	ug/L	0.271					
Cr	53	47.924377	64234.46	ug/L	0.519					
Fe	54	203.496345	252671	ug/L	2.377					
Mn	55	108.682755	1601224	ug/L	0.284					
Fe	56	190.090063	5200658	ug/L	0.309					
Fe	57	185.936829	63457.03	ug/L	0.522					
Co	59	24.530617	272659.9	ug/L	0.058					
Ni	60	198.989177	504605	ug/L	0.125					
Ni	62	196.126474	75796.44	ug/L	2.572					
Cu	63	79.770378	439735	ug/L	0.366					
Zn	64	99.989849	250169.6	ug/L	1.493					
Cu	65	79.866133	210001.6	ug/L	0.079					
Zn	66	100.706098	147841.3	ug/L	1.097					
Zn	68	102.55388	107853.4	ug/L	0.89					
Ge	72	173494.935	ug/L							
As	75	45.528712	78188.06	ug/L	1.498					
Se	74	542.366425	22279.98	mg/L	473.477					
ArCl	77	22873.303	ug/L							

Br		79	2032.914	ug/L						
Br		81	25768.404	ug/L						
Y		89	478119.654	ug/L						
Mo		95	44.903983	204958.3	ug/L	0.281				
Rh		103	472108.509	ug/L						
Ag		107	53.52782	690156.3	ug/L	0.563				
Ag		109	53.699231	670067.7	ug/L	0.204				
Cd		111	24.872193	81999.31	ug/L	0.094				
Cd		114	24.619037	190342	ug/L	0.532				
In		115	585477.775	ug/L						
Sb		121	53.419568	562677	ug/L	0.523				
Sb		123	53.680909	434360	ug/L	0.165				
Ba		137	150.592022	900576.9	ug/L	2.129				
Ba		138	148.326638	5677229	ug/L	0.784				
Tb		159	772917.525	ug/L						
Ho		165	748308.681	ug/L						
Hg		200	1.041591	2715.766	ug/L	0.003				
Hg		202	1.037758	3563.067	ug/L	0.011				
Tl		205	15.306963	514906.1	ug/L	0				
Pb		208	110.661594	5152741	ug/L	0.19				
Bi		209	552429.185	ug/L						
Se		77	173.02022	22538.57	mg/L	1.004				
Se		78	177.474343	86955.51	mg/L	4.285				
Se		82	167.472508	31021.63	mg/L	0.67				
QC	Calculated Values									
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be	89.385								
|	B	97.103								
|	B	94.973								
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al	105.742								
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	103.463								
|	Ti									
|	Ti									
|	V	100.991								
|	ClO									
|	Cr	102.525								

|	Cr	97.407
|	Fe	113.685
|	Mn	102.531
|	Fe	106.196
|	Fe	103.875
|	Co	105.282
|	Ni	97.544
|	Ni	96.14
|	Cu	102.008
|	Zn	95.228
|	Cu	102.131
|	Zn	95.911
|-	Zn	97.67
|>	Ge	102.043
|	As	115.555
|	Se	338.979
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	107.169
|-	Rh	
|	Ag	106.417
|	Ag	106.758
|	Cd	107.208
|	Cd	106.117
|>	In	103.31
|	Sb	114.881
|	Sb	115.443
|	Ba	106.803
|-	Ba	105.196
|-	Tb	
|>	Ho	100.368
|	Hg	104.159
|	Hg	103.776
|	Tl	107.796
|	Pb	106.405
|-	Bi	
	Se	108.138
	Se	110.921
	Se	104.67

Sample	ID:	QC	Std	6						
Sample	Date/Time	Thursday	August	25	2011	6:11:49				
Autosampl	Position:	8								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	6.18282						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10034.871		ug/L						
Be	9	0.001031	7.667	ug/L	0.004					
B	10	0.29339	140.002	ug/L	0.142					
B	11	0.418934	673.365	ug/L	0.082					
C	12	438548.618		ug/L						
Na	23	9937.556658	72888076	ug/L	58.137					
Mg	24	10327.18553	50891158	ug/L	153.813					
Mg	25	10166.18534	7027351	ug/L	145.957					
Al	27	10267.78185	76020228	ug/L	179.756					
Si	28	70371.666		ug/L						
P	31	9979.622208	3762324	ug/L	123.86					
S	32	84481808.64		ug/L						
Cl	35	1806912.269		ug/L						
K	39	10370.19904	1.02E+08	ug/L	121.702					
Ca	44	10069.34329	3309562	ug/L	135.32					
Sc	45	185505.563		ug/L						
Ti	47	27.86112	23418.7	ug/L	0.387					
Ti	48	9.376117	78092.71	ug/L	0.839					
V	51	-1.764962	16561.91	ug/L	0.017					
ClO	51	16946.951		ug/L						
Cr	52	0.015615	8475.482	ug/L	0.023					
Cr	53	-5.767303	5340.622	ug/L	0.067					
Fe	54	10343.08567	7311801	ug/L	438.924					
Mn	55	0.059622	2580.392	ug/L	0.006					
Fe	56	10203.51182	1.28E+08	ug/L	121.057					
Fe	57	10559.41427	3140241	ug/L	211.717					
Co	59	0.031518	451.682	ug/L	0					
Ni	60	0.298431	846.715	ug/L	0.022					
Ni	62	0.062066	80.668	ug/L	0.01					
Cu	63	0.229496	1457.131	ug/L	0.001					
Zn	64	0.694948	2975.627	ug/L	0.017					
Cu	65	0.13899	453.349	ug/L	0.005					
Zn	66	0.615705	1611.159	ug/L	0.02					
Zn	68	0.569213	1205.092	ug/L	0.035					
Ge	72	171824.683		ug/L						
As	75	0.187384	448.05	ug/L	0.05					
Se	74	-413.098467	12501.52	mg/L	27.8					
ArCl	77	392.012		ug/L						

Br	79	1536.146	ug/L		
Br	81	24603.837	ug/L		
Y	89	473247.497	ug/L		
Mo	95	0.256885	1434.795	ug/L	0.029
Rh	103	436646.811	ug/L		
Ag	107	0.312052	4425.459	ug/L	0.034
Ag	109	0.311835	4275.721	ug/L	0.042
Cd	111	0.010558	56.334	ug/L	0.002
Cd	114	0.01122	132.002	ug/L	0
In	115	569780.023	ug/L		
Sb	121	0.912442	10651.36	ug/L	0.088
Sb	123	0.903817	8079.112	ug/L	0.081
Ba	137	0.055917	374.345	ug/L	0.002
Ba	138	0.05827	2456.696	ug/L	0.002
Tb	159	757698.322	ug/L		
Ho	165	743594.082	ug/L		
Hg	200	0.018421	63.001	ug/L	0.003
Hg	202	0.009782	57.001	ug/L	0.002
Tl	205	0.004851	606.026	ug/L	0
Pb	208	0.05077	3069.899	ug/L	0.001
Bi	209	520918.557	ug/L		
Se	77	-2.483657	396.009	mg/L	0.583
Se	78	1.237411	15302.53	mg/L	0.94
Se	82	0.287268	41.676	mg/L	0.029

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	99.376							
|	Mg	103.272							
|	Mg	101.662							
|	Al	102.678							
|	Si								
|	P	99.796							
|	S								
|	Cl								
|	K	103.702							
|	Ca	100.693							
|>	Sc	103.644							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	103.431
|	Mn	
|	Fe	102.035
|	Fe	105.594
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	101.061
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	100.54
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	99.736
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.11
Sample Date/Time Thursday August 25 2011 6:19:05
Autosampl Position: 97
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.11.18283
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9709.182		ug/L						
Be	9	-0.005347	5.667	ug/L	0.005					
B	10	8.726062	1035.069	ug/L	0.049					
B	11	8.866453	5008.43	ug/L	0.184					
C	12	3481345.65		ug/L						
Na	23	34913.23204	2.83E+08	ug/L	513.633					
Mg	24	860.571035	4684917	ug/L	12.439					
Mg	25	830.561507	634243.8	ug/L	7.353					
Al	27	4.361132	42356.04	ug/L	0.214					
Si	28	25521450.06		ug/L						
P	31	148.03007	81898.75	ug/L	1.212					
S	32	81534501.06		ug/L						
Cl	35	190184.484		ug/L						
K	39	4121.766603	45491181	ug/L	2.912					
Ca	44	6153.678986	2248550	ug/L	207.446					
Sc	45	204914.619		ug/L						
Ti	47	1.431261	1550.481	ug/L	0.052					
Ti	48	5.480363	49345.53	ug/L	0.268					
V	51	-2.058211	14752.11	ug/L	0.058					
ClO	51	15093.011		ug/L						
Cr	52	-0.311816	6023.082	ug/L	0.015					
Cr	53	-7.431103	3878.533	ug/L	0.131					
Fe	54	-18.696399	108740.3	ug/L	0.087					
Mn	55	17.461407	286238.8	ug/L	0.106					
Fe	56	2.692385	3212978	ug/L	3.237					
Fe	57	42.939674	23379.1	ug/L	3.916					
Co	59	0.010561	241.339	ug/L	0.001					
Ni	60	0.272065	861.049	ug/L	0.016					
Ni	62	0.279388	182.004	ug/L	0.007					
Cu	63	0.837259	5315.273	ug/L	0.001					
Zn	64	0.237648	2027.514	ug/L	0.02					
Cu	65	0.502193	1556.816	ug/L	0.015					
Zn	66	0.013762	806.377	ug/L	0.013					
Zn	68	0.438014	1179.422	ug/L	0.011					
Ge	72	173494.539		ug/L						
As	75	2.592622	4577.137	ug/L	0.024					
Se	74	-123.15169	15569.6	mg/L	240.555					
ArCl	77	249.339		ug/L						

Br	79	24352.151	ug/L						
Br	81	49441.582	ug/L						
Y	89	472955.051	ug/L						
Mo	95	0.949534	4605.216	ug/L	0.078				
Rh	103	447370.61	ug/L						
Ag	107	0.029375	911.055	ug/L	0.006				
Ag	109	0.031429	903.054	ug/L	0.006				
Cd	111	0.008298	50.667	ug/L	0				
Cd	114	0.006534	100.002	ug/L	0.003				
In	115	588228.519	ug/L						
Sb	121	0.289614	4422.453	ug/L	0.01				
Sb	123	0.284171	3316.251	ug/L	0.01				
Ba	137	9.607824	57778.28	ug/L	0.001				
Ba	138	9.791165	376790.8	ug/L	0.074				
Tb	159	766989.397	ug/L						
Ho	165	763384.876	ug/L						
Hg	200	0.098458	276.34	ug/L	0.004				
Hg	202	0.068397	262.34	ug/L	0.009				
Tl	205	0.012133	872.051	ug/L	0				
Pb	208	0.016601	1527.732	ug/L	0.001				
Bi	209	439969.162	ug/L						
Se	77	-3.603918	254.67	mg/L	0.344				
Se	78	1.341737	15344.95	mg/L	0.613				
Se	82	0.39841	62.271	mg/L	0.102				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	114.488							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.043
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.795
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.39
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.01
Sample Date/Time Thursday August 25 2011 6:25:52
Autosampl Position: 98
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.01.18284
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9196.659		ug/L						
Be	9	-0.004629	6.667	ug/L	0.002					
B	10	200.530607	23521.63	ug/L	0.848					
B	11	197.597303	111995.2	ug/L	2.583					
C	12	10730031.26		ug/L						
Na	23	32799.16895	2.97E+08	ug/L	386.141					
Mg	24	9790.002151	59523251	ug/L	162.537					
Mg	25	9998.32057	8527019	ug/L	88.743					
Al	27	0.709901	13972.13	ug/L	0					
Si	28	40914398.16		ug/L						
P	31	320.895063	171482.6	ug/L	1.269					
S	32	86816053.22		ug/L						
Cl	35	641984.667		ug/L						
K	39	15891.60379	1.93E+08	ug/L	7.776					
Ca	44	26762.10393	10780981	ug/L	216.47					
Sc	45	228870.536		ug/L						
Ti	47	2.620458	2953.509	ug/L	0.005					
Ti	48	19.799457	206797	ug/L	2.23					
V	51	-2.014572	17070.85	ug/L	0.014					
ClO	51	17375.763		ug/L						
Cr	52	-0.389168	5847.109	ug/L	0.026					
Cr	53	-7.447077	4311.732	ug/L	0.046					
Fe	54	16856.83574	14614229	ug/L	572.848					
Mn	55	744.760415	13548867	ug/L	4.753					
Fe	56	17121.43118	2.63E+08	ug/L	110.628					
Fe	57	17229.53688	6315202	ug/L	54.597					
Co	59	11.071092	152153.9	ug/L	0.06					
Ni	60	8.964846	28201.63	ug/L	0.042					
Ni	62	8.144122	3957.234	ug/L	0.142					
Cu	63	0.59181	4265.377	ug/L	0.014					
Zn	64	0.567559	3279.164	ug/L	0.009					
Cu	65	0.287592	1042.07	ug/L	0.001					
Zn	66	0.19	1219.094	ug/L	0.01					
Zn	68	1.133622	2216.292	ug/L	0.011					
Ge	72	177575.144		ug/L						
As	75	254.578024	446961.6	ug/L	4.042					
Se	74	-687.302629	10058.55	mg/L	118.682					
ArCl	77	281.674		ug/L						

Br	79	110002.004	ug/L						
Br	81	140681.57	ug/L						
Y	89	483161.885	ug/L						
Mo	95	17.192592	80392.97	ug/L	2.269				
Rh	103	453650.551	ug/L						
Ag	107	-0.024723	208.338	ug/L	0.01				
Ag	109	-0.029428	139.002	ug/L	0.002				
Cd	111	0.054554	202.004	ug/L	0.006				
Cd	114	0.043305	382.012	ug/L	0.005				
In	115	582890.437	ug/L						
Sb	121	0.122256	2632.074	ug/L	0.007				
Sb	123	0.125727	2013.268	ug/L	0.013				
Ba	137	32.288103	192288.9	ug/L	0.143				
Ba	138	32.279617	1230317	ug/L	0.204				
Tb	159	792397.758	ug/L						
Ho	165	781226.383	ug/L						
Hg	200	0.009706	42.667	ug/L	0.002				
Hg	202	0.005198	43.667	ug/L	0.001				
Tl	205	0.013292	932.724	ug/L	0.003				
Pb	208	0.005311	1015.032	ug/L	0				
Bi	209	456230.871	ug/L						
Se	77	-3.445392	274.671	mg/L	0.03				
Se	78	0.797334	15123.61	mg/L	0.634				
Se	82	1.566444	278.711	mg/L	0.151				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	127.872							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	104.443
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	102.853
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.783
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.02
Sample Date/Time Thursday August 25 2011 6:32:38
Autosampl Position: 99
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.02.18285
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8413.227		ug/L						
Be	9	-0.004107	6.667	ug/L	0.002					
B	10	172.215088	19455.66	ug/L	4.223					
B	11	177.643383	96932.13	ug/L	5.859					
C	12	10728782.53		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	23122.9186	1.35E+08	ug/L	390.328					
Mg	25	23409.34236	19206448	ug/L	1338.572					
Al	27	0.460428	11244.8	ug/L	0.183					
Si	28	41353490.49		ug/L						
P	31	223.644857	121694.6	ug/L	6.749					
S	32	81885645.13		ug/L						
Cl	35	2869801.292		ug/L						
K	39	10432.41005	1.22E+08	ug/L	387.001					
Ca	44	39161.16892	15163547	ug/L	391.575					
Sc	45	220249.577		ug/L						
Ti	47	2.734197	2954.843	ug/L	0.022					
Ti	48	28.586785	288273.4	ug/L	4.843					
V	51	-1.77719	19503.76	ug/L	0.026					
ClO	51	20018.216		ug/L						
Cr	52	-0.103606	8759.569	ug/L	0.053					
Cr	53	-6.025436	6003.375	ug/L	0.115					
Fe	54	8552.824635	7199982	ug/L	322.671					
Mn	55	1203.095098	21060018	ug/L	17.825					
Fe	56	8754.923712	1.31E+08	ug/L	268.611					
Fe	57	8927.654886	3153449	ug/L	208.837					
Co	59	0.916519	12230.34	ug/L	0.018					
Ni	60	8.106389	24548.35	ug/L	0.133					
Ni	62	7.062546	3310.969	ug/L	0.122					
Cu	63	1.38997	9334.55	ug/L	0.025					
Zn	64	0.624637	3324.132	ug/L	0.039					
Cu	65	0.253974	897.72	ug/L	0					
Zn	66	0.200132	1190.757	ug/L	0.001					
Zn	68	2.851759	4269.712	ug/L	0.016					
Ge	72	159784.094		ug/L						
As	75	27.736994	43929.93	ug/L	0.212					
Se	74	-55.088767	14963.43	mg/L	215.154					
ArCl	77	488.018		ug/L						

Br	79	396214.077	ug/L						
Br	81	447111.989	ug/L						
Y	89	453864.392	ug/L						
Mo	95	14.77916	62252.13	ug/L	1.461				
Rh	103	422444.119	ug/L						
Ag	107	-0.032344	109.002	ug/L	0.001				
Ag	109	-0.032508	99.335	ug/L	0				
Cd	111	0.046893	174.337	ug/L	0				
Cd	114	0.040999	359.344	ug/L	0.003				
In	115	574617.862	ug/L						
Sb	121	0.131756	2693.426	ug/L	0.007				
Sb	123	0.144416	2133.37	ug/L	0.008				
Ba	137	111.818297	656140.7	ug/L	3.067				
Ba	138	113.133272	4249517	ug/L	1.202				
Tb	159	774900.174	ug/L						
Ho	165	771143.717	ug/L						
Hg	200	0.016021	59.001	ug/L	0.001				
Hg	202	0.008965	56.334	ug/L	0.003				
Tl	205	0.007337	714.702	ug/L	0.003				
Pb	208	-0.001094	694.684	ug/L	0.001				
Bi	209	425729.502	ug/L						
Se	77	-1.997502	457.345	mg/L	0.045				
Se	78	0.433212	14975.57	mg/L	0.694				
Se	82	5.429297	994.51	mg/L	0.108				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	123.056							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.979
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	101.394
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.431
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.03
Sample Date/Time Thursday August 25 2011 6:39:25
Autosampl Position: 100
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.03.18286
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8353.171		ug/L						
Be	9	-0.001392	9	ug/L	0.001					
B	10	60.811945	7880.827	ug/L	1.094					
B	11	59.209373	37028.96	ug/L	1.794					
C	12	17667034.45		ug/L						
Na	23	10463.10028	1.03E+08	ug/L	156.978					
Mg	24	6321.592049	41903184	ug/L	46.055					
Mg	25	6215.285146	5776740	ug/L	217.397					
Al	27	2.626224	34298.01	ug/L	0.154					
Si	28	61073239.63		ug/L						
P	31	112.88781	81972.74	ug/L	5.079					
S	32	82777896.45		ug/L						
Cl	35	440688.81		ug/L						
K	39	11584.74169	1.54E+08	ug/L	529.683					
Ca	44	30538.35466	13402589	ug/L	793.613					
Sc	45	249552.147		ug/L						
Ti	47	2.851814	3478.033	ug/L	0.101					
Ti	48	24.969624	285132.8	ug/L	0.036					
V	51	-2.02975	18387.1	ug/L	0.014					
ClO	51	18915.855		ug/L						
Cr	52	-0.070564	10334.72	ug/L	0.016					
Cr	53	-7.223747	5030.775	ug/L	0.029					
Fe	54	37924.69484	35650983	ug/L	1082.029					
Mn	55	857.587965	17005008	ug/L	21.734					
Fe	56	38834.56375	6.45E+08	ug/L	1398.809					
Fe	57	39308.75367	15685880	ug/L	1665.192					
Co	59	3.856241	57863.49	ug/L	0.058					
Ni	60	6.946453	23847.14	ug/L	0.13					
Ni	62	6.04317	3219.936	ug/L	0.181					
Cu	63	0.219179	1882.88	ug/L	0.007					
Zn	64	0.455556	3197.49	ug/L	0.048					
Cu	65	0.147459	639.696	ug/L	0.004					
Zn	66	0.105405	1161.753	ug/L	0.032					
Zn	68	0.777881	1914.221	ug/L	0.049					
Ge	72	179455.302		ug/L						
As	75	222.417415	394668.1	ug/L	5.609					
Se	74	-1803.65218	-1565.43	mg/L	225.6					
ArCl	77	253.673		ug/L						

Br	79	45550.288	ug/L			
Br	81	70422.446	ug/L			
Y	89	469449.296	ug/L			
Mo	95	0.501956	2653.414	ug/L	0.012	
Rh	103	444881.737	ug/L			
Ag	107	-0.022717	233.672	ug/L	0.003	
Ag	109	-0.0234	213.338	ug/L	0.001	
Cd	111	0.002981	32.667	ug/L	0.001	
Cd	114	0.00605	95.001	ug/L	0	
In	115	581413.583	ug/L			
Sb	121	0.051622	1888.215	ug/L	0.002	
Sb	123	0.05389	1432.11	ug/L	0.005	
Ba	137	14.350935	85276.28	ug/L	0.121	
Ba	138	14.427191	548639.8	ug/L	0.149	
Tb	159	787126.231	ug/L			
Ho	165	775572.55	ug/L			
Hg	200	0.001873	21.334	ug/L	0.001	
Hg	202	-0.000743	22.334	ug/L	0.001	
Tl	205	0.011665	869.384	ug/L	0.004	
Pb	208	-0.003035	605.014	ug/L	0	
Bi	209	488229.072	ug/L			
Se	77	-3.498234	268.004	mg/L	0.224	
Se	78	0.475711	14992.85	mg/L	0.315	
Se	82	0.758875	129.066	mg/L	0.036	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	139.427							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	105.549
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	102.593
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.025
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.04
Sample Date/Time Thursday August 25 2011 6:46:12
Autosampl Position: 101
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.04.18287
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8793.586		ug/L						
Be	9	-0.005005	6.667	ug/L	0.005					
B	10	11.320754	1496.471	ug/L	0.048					
B	11	11.799614	7434.113	ug/L	0.276					
C	12	7595582.151		ug/L						
Na	23	8023.516759	74490648	ug/L	354.708					
Mg	24	2434.815172	15187948	ug/L	24.01					
Mg	25	2352.382061	2057596	ug/L	140.492					
Al	27	0.7871	15053.97	ug/L	0.076					
Si	28	37263739.49		ug/L						
P	31	10.663427	28611.23	ug/L	4.557					
S	32	87325499.94		ug/L						
Cl	35	238392.549		ug/L						
K	39	1776.780158	23010880	ug/L	79.969					
Ca	44	9860.326357	4103126	ug/L	62.519					
Sc	45	234821.019		ug/L						
Ti	47	1.552674	1904.218	ug/L	0.024					
Ti	48	7.205141	75192.4	ug/L	1.024					
V	51	-2.445442	11558.8	ug/L	0.009					
ClO	51	12017.062		ug/L						
Cr	52	-0.473631	5014.902	ug/L	0.024					
Cr	53	-8.165689	3424.346	ug/L	0.033					
Fe	54	11849.59818	10580014	ug/L	473.91					
Mn	55	2510.21827	46841837	ug/L	58.686					
Fe	56	12338.86175	1.95E+08	ug/L	263.044					
Fe	57	12293.10684	4625066	ug/L	367.956					
Co	59	15.931825	224583.1	ug/L	0.131					
Ni	60	23.043183	74188.9	ug/L	0.358					
Ni	62	22.539221	11107.56	ug/L	0.552					
Cu	63	0.204048	1666.836	ug/L	0.003					
Zn	64	1.652318	6788.461	ug/L	0.027					
Cu	65	0.158288	638.029	ug/L	0.007					
Zn	66	1.158672	3045.541	ug/L	0.011					
Zn	68	1.660158	2972.516	ug/L	0.043					
Ge	72	176751.118		ug/L						
As	75	27.347416	47915.66	ug/L	0.105					
Se	74	-401.576503	12951.92	mg/L	585.125					
ArCl	77	228.005		ug/L						

Br	79	9870.455	ug/L						
Br	81	32799.725	ug/L						
Y	89	491629.107	ug/L						
Mo	95	0.198739	1204.759	ug/L	0.023				
Rh	103	457771.401	ug/L						
Ag	107	-0.014619	355.677	ug/L	0.002				
Ag	109	-0.015255	331.343	ug/L	0.001				
Cd	111	0.00247	32.667	ug/L	0.003				
Cd	114	0.004545	88.001	ug/L	0				
In	115	613138.314	ug/L						
Sb	121	-0.015646	1250.765	ug/L	0.009				
Sb	123	-0.010446	966.25	ug/L	0.008				
Ba	137	15.552821	97457.58	ug/L	0.008				
Ba	138	15.622371	626484.7	ug/L	0.06				
Tb	159	792130.553	ug/L						
Ho	165	783912.188	ug/L						
Hg	200	-0.000419	15.333	ug/L	0				
Hg	202	-0.001936	18.334	ug/L	0.001				
Tl	205	0.018082	1104.745	ug/L	0.001				
Pb	208	0.0223	1847.091	ug/L	0				
Bi	209	503423.524	ug/L						
Se	77	-4.121769	189.335	mg/L	0.06				
Se	78	1.620759	15458.39	mg/L	0.041				
Se	82	0.18962	23.581	mg/L	0.087				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	131.197							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	103.959
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	108.191
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.144
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05
Sample Date/Time Thursday August 25 2011 6:52:59
Autosampl Position: 102
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.05.18288
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8261.089		ug/L						
Be	9	0.010077	13.667	ug/L	0.003					
B	10	171.936777	19804.09	ug/L	4.295					
B	11	174.604726	97144.98	ug/L	1.471					
C	12	16688816.89		ug/L						
Na	23	57140.59149	5.07E+08	ug/L	72.271					
Mg	24	17764.81098	1.06E+08	ug/L	369.064					
Mg	25	17860.22439	14941649	ug/L	125.384					
Al	27	0.596402	12690.13	ug/L	0.042					
Si	28	39279060.7		ug/L						
P	31	275.434756	147579.7	ug/L	2.542					
S	32	79208891.18		ug/L						
Cl	35	1646780.842		ug/L						
K	39	17497.90987	2.09E+08	ug/L	51.429					
Ca	44	40597.40934	16021459	ug/L	169.22					
Sc	45	224507.787		ug/L						
Ti	47	2.704479	2981.852	ug/L	0.014					
Ti	48	26.119141	268490.9	ug/L	0.722					
V	51	-2.046338	16325.14	ug/L	0.002					
ClO	51	16938.268		ug/L						
Cr	52	-0.153272	8367.313	ug/L	0.102					
Cr	53	-6.974721	4857.346	ug/L	0.069					
Fe	54	14406.29873	12271545	ug/L	182.673					
Mn	55	1325.436974	23652166	ug/L	7.098					
Fe	56	14713.21483	2.22E+08	ug/L	95.35					
Fe	57	14998.8218	5393979	ug/L	67.505					
Co	59	0.762703	10396.71	ug/L	0.014					
Ni	60	5.788695	17901.79	ug/L	0.089					
Ni	62	4.724195	2280.642	ug/L	0.121					
Cu	63	0.8092	5636.47	ug/L	0.015					
Zn	64	0.249747	2257.656	ug/L	0.02					
Cu	65	0.232394	846.381	ug/L	0.007					
Zn	66	0.033152	918.056	ug/L	0.01					
Zn	68	3.33603	4966.072	ug/L	0.064					
Ge	72	165932.878		ug/L						
As	75	90.58262	148679.2	ug/L	2.218					
Se	74	-405.008428	12154	mg/L	13.996					
ArCl	77	391.012		ug/L						

Br	79	210701.547	ug/L			
Br	81	250589.72	ug/L			
Y	89	472505.611	ug/L			
Mo	95	1.387	6305.591	ug/L	0.154	
Rh	103	439641.614	ug/L			
Ag	107	-0.029074	154.336	ug/L	0.002	
Ag	109	-0.031648	112.668	ug/L	0.001	
Cd	111	0.005464	41.334	ug/L	0	
Cd	114	0.007128	104.668	ug/L	0.002	
In	115	589067.555	ug/L			
Sb	121	0.037357	1762.188	ug/L	0.004	
Sb	123	0.041416	1349.636	ug/L	0.004	
Ba	137	140.938617	848055.2	ug/L	1.902	
Ba	138	141.899269	5464530	ug/L	2.036	
Tb	159	787177.054	ug/L			
Ho	165	776291.581	ug/L			
Hg	200	0.029519	95.668	ug/L	0.002	
Hg	202	0.020916	99.002	ug/L	0.001	
Tl	205	0.006138	677.699	ug/L	0	
Pb	208	-0.002552	629.015	ug/L	0.001	
Bi	209	455244.073	ug/L			
Se	77	-2.83242	352.007	mg/L	0.359	
Se	78	1.042812	15223.42	mg/L	0.179	
Se	82	3.068162	556.984	mg/L	0.121	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	125.435							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.596
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.943
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.122
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05 MS
Sample Date/Time Thursday August 25 2011 6:59:46
Autosampl Position: 103
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D MS.18289
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7689.922		ug/L						
Be	9	605.426714	271915.1	ug/L	10.299					
B	10	166.34082	17764.52	ug/L	2.688					
B	11	168.213575	86776.46	ug/L	1.552					
C	12	12259187.46		ug/L						
Na	23	63869.81467	5.25E+08	ug/L	317.531					
Mg	24	25790.98614	1.43E+08	ug/L	2.398					
Mg	25	25871.31955	20061238	ug/L	366.602					
Al	27	8651.687675	71859764	ug/L	93.059					
Si	28	36104085.39		ug/L						
P	31	9180.659717	3884096	ug/L	226.809					
S	32	84176716.26		ug/L						
Cl	35	3663656.614		ug/L						
K	39	26172.83237	2.89E+08	ug/L	924.749					
Ca	44	47370.01426	17322680	ug/L	155.273					
Sc	45	208113.953		ug/L						
Ti	47	27.957216	26366.47	ug/L	0.765					
Ti	48	35.226468	336538.9	ug/L	0.673					
V	51	850.772072	10463112	ug/L	10.103					
ClO	51	10720763.9		ug/L						
Cr	52	825.663454	8558140	ug/L	6.129					
Cr	53	776.082251	969880.6	ug/L	7.792					
Fe	54	22834.06092	17956507	ug/L	325.41					
Mn	55	2115.451118	34989378	ug/L	25.652					
Fe	56	23854.74801	3.32E+08	ug/L	179.417					
Fe	57	23769.03816	7917340	ug/L	632.321					
Co	59	805.056216	10052241	ug/L	7.932					
Ni	60	737.526496	2101426	ug/L	10.925					
Ni	62	721.103842	313031.8	ug/L	0.249					
Cu	63	751.004632	4650812	ug/L	0.886					
Zn	64	791.338837	2215524	ug/L	1.416					
Cu	65	747.577295	2208283	ug/L	1.354					
Zn	66	766.307183	1259073	ug/L	2.618					
Zn	68	759.781499	893651.2	ug/L	2.977					
Ge	72	160860.195		ug/L						
As	75	1192.719239	1896616	ug/L	12.362					
Se	74	608.857509	21322.46	mg/L	144.463					
ArCl	77	141581.765		ug/L						

Br	79	191138.432	ug/L		
Br	81	226596.047	ug/L		
Y	89	441098.692	ug/L		
Mo	95	1089.276411	4602318	ug/L	36.112
Rh	103	417029.566	ug/L		
Ag	107	795.940247	9782116	ug/L	17.069
Ag	109	757.449555	9009455	ug/L	14.079
Cd	111	1009.172453	3172718	ug/L	20.291
Cd	114	1027.263297	7575735	ug/L	11.122
In	115	558631.527	ug/L		
Sb	121	1085.757518	10877444	ug/L	65.572
Sb	123	1091.162875	8397781	ug/L	66.42
Ba	137	1193.628474	6808445	ug/L	29.343
Ba	138	1199.984779	43807936	ug/L	26.43
Tb	159	767587.275	ug/L		
Ho	165	757005.133	ug/L		
Hg	200	0.947981	2501.703	ug/L	0.011
Hg	202	0.919181	3195.594	ug/L	0.01
Tl	205	967.530673	32893445	ug/L	17.783
Pb	208	944.420761	44478070	ug/L	10.672
Bi	209	472206.745	ug/L		
Se	77	1110.96627	140875.2	mg/L	8.348
Se	78	1138.067994	477505.9	mg/L	8.252
Se	82	1095.70894	203026.8	mg/L	0.485

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	116.276							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.612
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.573
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.535
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05 MSD
Sample Date/Time Thursday August 25 2011 7:06:33
Autosampl Position: 104
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D MSD.18290
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7862.065		ug/L						
Be	9	608.421694	271853.8	ug/L	5.08					
B	10	167.021701	17744.81	ug/L	0.057					
B	11	169.214674	86841.03	ug/L	2.588					
C	12	12156898.83		ug/L						
Na	23	64458.98895	5.27E+08	ug/L	377.088					
Mg	24	25867.94025	1.42E+08	ug/L	517.917					
Mg	25	26178.17217	20197810	ug/L	167.948					
Al	27	8757.033248	72369666	ug/L	8.059					
Si	28	35597440.39		ug/L						
P	31	9202.233382	3873926	ug/L	43.425					
S	32	84648745.99		ug/L						
Cl	35	3643125.077		ug/L						
K	39	26298.63058	2.89E+08	ug/L	432.496					
Ca	44	47229.58632	17182936	ug/L	1207.323					
Sc	45	207058.143		ug/L						
Ti	47	27.818771	26100.01	ug/L	0.319					
Ti	48	36.772483	349721.2	ug/L	3.32					
V	51	868.121042	10622051	ug/L	4.563					
ClO	51	10801472.84		ug/L						
Cr	52	841.275404	8675855	ug/L	1.002					
Cr	53	792.213024	984810.4	ug/L	9.257					
Fe	54	23409.21555	18313544	ug/L	32.909					
Mn	55	2114.956737	34806085	ug/L	10.322					
Fe	56	23520.26113	3.26E+08	ug/L	269.824					
Fe	57	23981.80123	7948493	ug/L	366.904					
Co	59	821.555501	10206821	ug/L	6.098					
Ni	60	756.886219	2145809	ug/L	1.368					
Ni	62	727.830956	314347.2	ug/L	3.287					
Cu	63	763.179471	4702193	ug/L	7.387					
Zn	64	802.547769	2235462	ug/L	1.436					
Cu	65	765.546711	2249921	ug/L	2.882					
Zn	66	770.978481	1260296	ug/L	0.124					
Zn	68	769.120628	900038.3	ug/L	11.199					
Ge	72	162139.98		ug/L						
As	75	1194.81107	1915102	ug/L	8.449					
Se	74	1013.713294	25325.33	mg/L	288.036					
ArCl	77	143295.675		ug/L						

Br		79	190797.724	ug/L					
Br		81	223655.101	ug/L					
Y		89	449966.985	ug/L					
Mo		95	1101.820822	4692039	ug/L	44.485			
Rh		103	428331.948	ug/L					
Ag		107	785.036482	9665996	ug/L	17.306			
Ag		109	775.885189	9245545	ug/L	14.937			
Cd		111	1019.556294	3211275	ug/L	19.939			
Cd		114	1035.121301	7646857	ug/L	15.088			
In		115	559540.987	ug/L					
Sb		121	1111.498265	11161172	ug/L	54.522			
Sb		123	1114.129066	8594399	ug/L	57.557			
Ba		137	1214.298929	6939677	ug/L	20.872			
Ba		138	1219.757477	44614419	ug/L	16.885			
Tb		159	787347.197	ug/L					
Ho		165	764322.526	ug/L					
Hg		200	0.951841	2536.046	ug/L	0.032			
Hg		202	0.916886	3218.268	ug/L	0.005			
Tl		205	974.792526	33464743	ug/L	10.748			
Pb		208	956.050691	45464377	ug/L	6.16			
Bi		209	490403.298	ug/L					
Se		77	1121.496292	142203.7	mg/L	16.167			
Se		78	1135.54519	476480.2	mg/L	6.05			
Se		82	1109.192904	205525.4	mg/L	8.392			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	115.686							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.365
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.733
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.516
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 7:13:20
Autosampl Position: 105
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18291
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7519.108		ug/L						
Be	9	0.064802	32	ug/L	0.009					
B	10	1.737106	266.673	ug/L	0.089					
B	11	2.086496	1383.786	ug/L	0.311					
C	12	563143.811		ug/L						
Na	23	17.742741	199358.2	ug/L	3.58					
Mg	24	2.763923	14032.45	ug/L	0.654					
Mg	25	2.809688	1963.746	ug/L	0.635					
Al	27	3.226146	28882.11	ug/L	0.308					
Si	28	96387.883		ug/L						
P	31	7.717953	20752.4	ug/L	0.206					
S	32	87103876.23		ug/L						
Cl	35	9416731.577		ug/L						
K	39	7.932312	805667.6	ug/L	3.694					
Ca	44	-4.106499	32233.6	ug/L	1.136					
Sc	45	178983.653		ug/L						
Ti	47	0.053459	246.672	ug/L	0.006					
Ti	48	0.167755	-918.014	ug/L	0.007					
V	51	-0.111756	33399.58	ug/L	0.002					
ClO	51	34245.389		ug/L						
Cr	52	0.165242	9506.546	ug/L	0.048					
Cr	53	-0.552368	10682.71	ug/L	0.034					
Fe	54	60.759156	148315.9	ug/L	5.658					
Mn	55	0.205615	4562.86	ug/L	0.03					
Fe	56	63.745622	3529246	ug/L	6.895					
Fe	57	41.485367	19980.66	ug/L	6.64					
Co	59	0.079198	947.392	ug/L	0.005					
Ni	60	0.360226	968.061	ug/L	0.018					
Ni	62	0.374963	194.671	ug/L	0.014					
Cu	63	0.40479	2337.658	ug/L	0.042					
Zn	64	3.179339	8847.574	ug/L	0.081					
Cu	65	0.404678	1111.413	ug/L	0.046					
Zn	66	3.277637	5312.939	ug/L	0.05					
Zn	68	3.150766	3772.154	ug/L	0.013					
Ge	72	170796.164		ug/L						
As	75	0.582465	1112.235	ug/L	0.102					
Se	74	-81.151053	15749.33	mg/L	59.235					
ArCl	77	1026.068		ug/L						

Br	79	2690.426	ug/L						
Br	81	29282.377	ug/L						
Y	89	485436.997	ug/L						
Mo	95	3.791559	17288.02	ug/L	0.401				
Rh	103	491820.283	ug/L						
Ag	107	7.846017	106916.2	ug/L	0.206				
Ag	109	7.825067	103190.5	ug/L	0.214				
Cd	111	0.084757	318.342	ug/L	0.007				
Cd	114	0.083284	729.037	ug/L	0.003				
In	115	616080.142	ug/L						
Sb	121	10.236053	114535	ug/L	1.569				
Sb	123	10.206649	87694.18	ug/L	1.707				
Ba	137	0.141761	945.392	ug/L	0.014				
Ba	138	0.140618	5976.944	ug/L	0.021				
Tb	159	818884.928	ug/L						
Ho	165	798703.68	ug/L						
Hg	200	0.015095	58.334	ug/L	0.006				
Hg	202	0.011934	69.001	ug/L	0.003				
Tl	205	0.12396	4924.05	ug/L	0				
Pb	208	0.170738	9251.943	ug/L	0.01				
Bi	209	541189.46	ug/L						
Se	77	2.705701	1050.728	mg/L	0.688				
Se	78	5.265666	16940.31	mg/L	0.808				
Se	82	1.665613	297.087	mg/L	0.3				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc		100						
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.456
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	108.71
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	107.128
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 7:20:06
Autosampl Position: 106
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18292
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8095.604		ug/L						
Be	9	0.024316	16.667	ug/L	0.002					
B	10	0.784119	183.004	ug/L	0.004					
B	11	1.069406	951.726	ug/L	0.142					
C	12	472706.649		ug/L						
Na	23	10.952599	153946.2	ug/L	1.995					
Mg	24	2.60407	13518.06	ug/L	0.147					
Mg	25	2.811888	2000.42	ug/L	0.217					
Al	27	5.274745	44218.5	ug/L	0.561					
Si	28	90265.205		ug/L						
P	31	11.765024	22607.02	ug/L	0.372					
S	32	85446015.71		ug/L						
Cl	35	9164862.682		ug/L						
K	39	4.237418	783720.8	ug/L	4.456					
Ca	44	-3.410622	32986.38	ug/L	6.343					
Sc	45	182141.343		ug/L						
Ti	47	0.074817	268.34	ug/L	0.007					
Ti	48	0.144875	-1126.19	ug/L	0.002					
V	51	-0.162768	33424.68	ug/L	0.078					
ClO	51	34174.465		ug/L						
Cr	52	0.086535	8957.255	ug/L	0.04					
Cr	53	-0.395448	11037.14	ug/L	0.14					
Fe	54	41.039413	137390.6	ug/L	6.854					
Mn	55	0.177445	4227.363	ug/L	0.04					
Fe	56	44.388517	3356300	ug/L	10.384					
Fe	57	30.924148	17234.75	ug/L	6.542					
Co	59	0.019754	314.342	ug/L	0.003					
Ni	60	0.160547	486.351	ug/L	0.024					
Ni	62	0.121442	101.668	ug/L	0.012					
Cu	63	0.258388	1583.154	ug/L	0.038					
Zn	64	2.735984	7902.027	ug/L	0.354					
Cu	65	0.259968	755.706	ug/L	0.042					
Zn	66	2.805991	4718.275	ug/L	0.385					
Zn	68	2.719864	3386.334	ug/L	0.433					
Ge	72	171313.782		ug/L						
As	75	0.210016	484.456	ug/L	0.039					
Se	74	121.840363	17816	mg/L	679.452					
ArCl	77	857.049		ug/L						

Br	79	2041.583	ug/L						
Br	81	27493.795	ug/L						
Y	89	493918.597	ug/L						
Mo	95	1.014115	4837.336	ug/L	0.045				
Rh	103	483486.051	ug/L						
Ag	107	3.395202	46676.67	ug/L	0.115				
Ag	109	3.333266	44350.73	ug/L	0.14				
Cd	111	0.026685	117.002	ug/L	0.003				
Cd	114	0.024897	254.339	ug/L	0.003				
In	115	617430.006	ug/L						
Sb	121	2.691413	31243.31	ug/L	0.181				
Sb	123	2.73161	24307.46	ug/L	0.144				
Ba	137	0.065136	463.683	ug/L	0.003				
Ba	138	0.061501	2791.529	ug/L	0.004				
Tb	159	811287.437	ug/L						
Ho	165	804062.513	ug/L						
Hg	200	0.011401	48.667	ug/L	0.002				
Hg	202	0.008324	56.334	ug/L	0.004				
Tl	205	0.027088	1458.132	ug/L	0.003				
Pb	208	0.088145	5187.299	ug/L	0.007				
Bi	209	539207.153	ug/L						
Se	77	0.919504	825.371	mg/L	0.314				
Se	78	2.72336	15906.68	mg/L	0.07				
Se	82	0.347252	52.791	mg/L	0.117				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.764							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.761
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	108.948
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	107.846
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	1						
Sample	Date/Time	Thursday	August	25	2011	7:26:48				
Autosampl	Position:	5								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	1.18293						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7984.839		ug/L						
Be	9	0.004049	8.667	ug/L	0.002					
B	10	0.121706	120.669	ug/L	0.107					
B	11	0.249066	581.024	ug/L	0.047					
C	12	421623.962		ug/L						
Na	23	-0.232899	73261.45	ug/L	0.517					
Mg	24	1.106195	6236.113	ug/L	0.192					
Mg	25	1.242358	930.142	ug/L	0.313					
Al	27	0.412267	8891.91	ug/L	0.097					
Si	28	74262.914		ug/L						
P	31	3.593864	19462.78	ug/L	3.427					
S	32	85679152.35		ug/L						
Cl	35	8015834.847		ug/L						
K	39	-2.532244	714639.1	ug/L	1.775					
Ca	44	-15.928971	28838.55	ug/L	1.945					
Sc	45	180977.307		ug/L						
Ti	47	0.003306	208.338	ug/L	0.037					
Ti	48	0.087846	-1596.84	ug/L	0.002					
V	51	-0.38542	30855.26	ug/L	0.005					
ClO	51	32080.856		ug/L						
Cr	52	0.092264	8956.617	ug/L	0.026					
Cr	53	-1.201633	10105.38	ug/L	0.007					
Fe	54	28.677368	128197.3	ug/L	2.149					
Mn	55	0.049344	2367	ug/L	0.018					
Fe	56	29.013837	3153129	ug/L	0.737					
Fe	57	12.728535	11882.34	ug/L	5.621					
Co	59	0.006821	172.003	ug/L	0.005					
Ni	60	0.017941	131.002	ug/L	0.003					
Ni	62	0.003665	56.667	ug/L	0.002					
Cu	63	0.035306	375.678	ug/L	0.003					
Zn	64	0.117926	1498.513	ug/L	0.021					
Cu	65	0.028197	157.67	ug/L	0.001					
Zn	66	0.116826	859.049	ug/L	0.031					
Zn	68	0.098387	694.367	ug/L	0.009					
Ge	72	171859.933		ug/L						
As	75	0.110729	317.172	ug/L	0.125					
Se	74	24.944116	16914.95	mg/L	33.042					
ArCl	77	767.707		ug/L						

Br	79	2341.325	ug/L						
Br	81	28009.365	ug/L						
Y	89	482635.439	ug/L						
Mo	95	0.48836	2479.363	ug/L	0.024				
Rh	103	484436.16	ug/L						
Ag	107	1.441356	19913.17	ug/L	0.242				
Ag	109	1.443018	19292.12	ug/L	0.226				
Cd	111	0.011634	64.001	ug/L	0.004				
Cd	114	0.009482	127.336	ug/L	0.003				
In	115	612140.863	ug/L						
Sb	121	1.294405	15618.25	ug/L	0.129				
Sb	123	1.290113	11925.3	ug/L	0.116				
Ba	137	0.017834	163.67	ug/L	0.004				
Ba	138	0.016313	958.239	ug/L	0.003				
Tb	159	803651.789	ug/L						
Ho	165	782420.809	ug/L						
Hg	200	0.001701	21	ug/L	0.002				
Hg	202	0.000972	28.667	ug/L	0				
Tl	205	0.008289	758.373	ug/L	0.001				
Pb	208	0.030007	2217.46	ug/L	0.003				
Bi	209	554289.622	ug/L						
Se	77	0.253655	741.364	mg/L	0.299				
Se	78	3.948275	16404.69	mg/L	0.503				
Se	82	0.230039	31.071	mg/L	0.247				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.114							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.082
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	108.015
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.944
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	2						
Sample	Date/Time	Thursday	August	25	2011	7:33:57				
Autosampl	Position:	6								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	2.18294						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8167.668		ug/L						
Be	9	70.910841	28917.21	ug/L	1.506					
B	10	80.814136	7891.17	ug/L	3.627					
B	11	81.560762	38447.18	ug/L	1.976					
C	12	418749.084		ug/L						
Na	23	90.556731	754198	ug/L	0.27					
Mg	24	97.127877	488558.7	ug/L	0.111					
Mg	25	96.20937	67835.59	ug/L	1.507					
Al	27	98.705064	750699.6	ug/L	0.773					
Si	28	256133.576		ug/L						
P	31	-0.952817	18614.31	ug/L	3.243					
S	32	87250665.96		ug/L						
Cl	35	8130350.069		ug/L						
K	39	1005.472765	10815167	ug/L	23.294					
Ca	44	82.25814	62641.33	ug/L	2.686					
Sc	45	188984.716		ug/L						
Ti	47	100.510223	85478.84	ug/L	2.819					
Ti	48	102.262877	891710.8	ug/L	1.715					
V	51	98.550422	1132758	ug/L	1.395					
ClO	51	1152225.781		ug/L						
Cr	52	100.22021	950600.2	ug/L	1.785					
Cr	53	98.638076	122285.5	ug/L	3.196					
Fe	54	128.872973	204967.6	ug/L	2.957					
Mn	55	98.813083	1485519	ug/L	1.919					
Fe	56	110.287305	4308267	ug/L	6.637					
Fe	57	110.120077	41826.87	ug/L	6.697					
Co	59	100.686071	1141644	ug/L	1.059					
Ni	60	95.987391	248409.4	ug/L	1.389					
Ni	62	95.209435	37578.23	ug/L	0.707					
Cu	63	100.128504	563143.7	ug/L	1.531					
Zn	64	92.776388	236944.6	ug/L	1.361					
Cu	65	100.497957	269593.8	ug/L	1.86					
Zn	66	93.259083	139730.7	ug/L	2.499					
Zn	68	92.517847	99327.67	ug/L	2.397					
Ge	72	173168.418		ug/L						
As	75	108.242522	185425.8	ug/L	0.165					
Se	74	104.184163	17841.23	mg/L	315.428					
ArCl	77	14249.636		ug/L						

Br	79	1992.905	ug/L		
Br	81	27630.888	ug/L		
Y	89	503773.777	ug/L		
Mo	95	103.819073	472568.5	ug/L	1.546
Rh	103	485630.025	ug/L		
Ag	107	58.238786	798880.2	ug/L	1.303
Ag	109	56.267568	746966.8	ug/L	0.665
Cd	111	101.440831	355718.3	ug/L	1.667
Cd	114	101.452987	834402.9	ug/L	0.887
In	115	622877.29	ug/L		
Sb	121	95.910382	1073744	ug/L	4.348
Sb	123	96.533845	830182.8	ug/L	3.923
Ba	137	104.602605	665545.3	ug/L	2.658
Ba	138	104.483845	4254734	ug/L	1.077
Tb	159	818886.883	ug/L		
Ho	165	801125.129	ug/L		
Hg	200	0.935445	2612.735	ug/L	0.012
Hg	202	0.924302	3400.336	ug/L	0.001
Tl	205	103.920898	3739695	ug/L	0.209
Pb	208	100.715871	5020597	ug/L	0.547
Bi	209	588351.275	ug/L		
Se	77	103.142072	13722.35	mg/L	0.479
Se	78	109.752664	59421.78	mg/L	0.463
Se	82	105.073396	19458.87	mg/L	1.535

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	70.209							
|	B	80.572							
|	B	81.317							
|	C								
|	Na	89.395							
|	Mg	96.166							
|	Mg	95.257							
|	Al	98.312							
|	Si								
|	P								
|	S								
|	Cl								
|	K	100.247							
|	Ca	81.524							
|>	Sc	105.588							
|	Ti	100.51							
|	Ti	102.263							
|	V	98.158							
|	ClO								
|	Cr	99.228							

|	Cr	97.661
|	Fe	128.104
|	Mn	98.419
|	Fe	109.63
|	Fe	109.463
|	Co	100.086
|	Ni	95.226
|	Ni	94.454
|	Cu	100.229
|	Zn	92.131
|	Cu	100.599
|	Zn	92.611
|-	Zn	91.875
|>	Ge	101.851
|	As	108.896
|	Se	103.976
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	103.509
|-	Rh	
|	Ag	57.777
|	Ag	55.821
|	Cd	100.936
|	Cd	100.948
|>	In	109.909
|	Sb	95.624
|	Sb	96.245
|	Ba	103.875
|-	Ba	103.758
|-	Tb	
|>	Ho	107.452
|	Hg	93.545
|	Hg	92.43
|	Tl	103.921
|	Pb	100.716
|-	Bi	
	Se	102.936
	Se	109.534
	Se	104.864

Sample	ID:	QC	Std	5						
Sample	Date/Time	Thursday	August	25	2011	7:41:06				
Autosampl	Position:	7								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	5.18295						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7974.163		ug/L						
Be	9	32.000548	12626.56	ug/L	0.089					
B	10	139.323686	13080.87	ug/L	4.307					
B	11	140.025771	63499.35	ug/L	4.266					
C	12	413331.237		ug/L						
Na	23	-0.586091	71466.96	ug/L	0.05					
Mg	24	0.635321	4021.293	ug/L	0.047					
Mg	25	0.687228	563.407	ug/L	0.041					
Al	27	182.737432	1338660	ug/L	2.181					
Si	28	133570.897		ug/L						
P	31	5.130026	20227.86	ug/L	3.263					
S	32	86257676.59		ug/L						
Cl	35	7737990.098		ug/L						
K	39	-2.445385	722636.9	ug/L	0.089					
Ca	44	-13.185146	29999.12	ug/L	4.822					
Sc	45	182749.311		ug/L						
Ti	47	0.053641	252.006	ug/L	0.009					
Ti	48	0.124273	-1303.82	ug/L	0.02					
V	51	25.56593	310346.8	ug/L	0.239					
ClO	51	317678.732		ug/L						
Cr	52	51.674359	478016.2	ug/L	0.713					
Cr	53	49.707831	65318.81	ug/L	0.324					
Fe	54	211.045993	254542.5	ug/L	3.135					
Mn	55	110.297337	1603553	ug/L	1.495					
Fe	56	209.402411	5365802	ug/L	2.582					
Fe	57	196.414503	65686.35	ug/L	0.837					
Co	59	24.869045	272776.2	ug/L	0.239					
Ni	60	198.944435	497843.5	ug/L	1.853					
Ni	62	198.744547	75800.13	ug/L	0.306					
Cu	63	80.895605	440076.8	ug/L	0.205					
Zn	64	98.957169	244333.4	ug/L	1.876					
Cu	65	82.013232	212787	ug/L	2.223					
Zn	66	100.785915	146007	ug/L	1.666					
Zn	68	101.311448	105153.7	ug/L	0.586					
Ge	72	169636.326		ug/L						
As	75	47.482929	79729.65	ug/L	1.601					
Se	74	127.012947	17703.3	mg/L	71.219					
ArCl	77	22059.965		ug/L						

Br	79	1984.903	ug/L			
Br	81	26876.94	ug/L			
Y	89	485302.967	ug/L			
Mo	95	46.604609	207866.7	ug/L	2.448	
Rh	103	467137.732	ug/L			
Ag	107	53.91305	705581	ug/L	1.18	
Ag	109	53.640967	678992.2	ug/L	2.286	
Cd	111	24.613796	82314.84	ug/L	1.078	
Cd	114	24.496262	192182.2	ug/L	0.856	
In	115	594629.168	ug/L			
Sb	121	53.388135	570538.2	ug/L	2.059	
Sb	123	53.692918	440582.9	ug/L	2.822	
Ba	137	152.949344	927579	ug/L	8.418	
Ba	138	153.548394	5958918	ug/L	9.203	
Tb	159	784897.406	ug/L			
Ho	165	751424.294	ug/L			
Hg	200	1.044933	2732.105	ug/L	0.082	
Hg	202	1.034096	3563.734	ug/L	0.028	
Tl	205	15.23399	514271.7	ug/L	0.542	
Pb	208	110.938574	5184099	ug/L	3.781	
Bi	209	556195.602	ug/L			
Se	77	169.503031	22094.82	mg/L	3.701	
Se	78	170.560572	84144.57	mg/L	4.77	
Se	82	167.705246	31064.75	mg/L	4.828	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	75.119							
|	B	87.077							
|	B	87.516							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	103.828							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.104							
|	Ti								
|	Ti								
|	V	102.674							
|	ClO								
|	Cr	105.029							

|	Cr	101.032
|	Fe	117.903
|	Mn	104.054
|	Fe	116.985
|	Fe	109.729
|	Co	106.734
|	Ni	97.522
|	Ni	97.424
|	Cu	103.447
|	Zn	94.245
|	Cu	104.876
|	Zn	95.987
|-	Zn	96.487
|>	Ge	99.774
|	As	120.515
|	Se	79.383
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	111.228
|-	Rh	
|	Ag	107.183
|	Ag	106.642
|	Cd	106.094
|	Cd	105.587
|>	In	104.925
|	Sb	114.813
|	Sb	115.469
|	Ba	108.475
|-	Ba	108.9
|-	Tb	
|>	Ho	100.786
|	Hg	104.493
|	Hg	103.41
|	Tl	107.282
|	Pb	106.672
|-	Bi	
	Se	105.939
	Se	106.6
	Se	104.816

Sample	ID:	QC	Std	6						
Sample	Date/Time	Thursday	August	25	2011	7:48:15				
Autosampl	Position:	8								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	6.18296						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8046.228		ug/L						
Be	9	0.006013	9.333	ug/L	0.003					
B	10	0.396121	144.669	ug/L	0.128					
B	11	0.518124	694.367	ug/L	0.156					
C	12	403636.248		ug/L						
Na	23	9905.32131	70254934	ug/L	182.952					
Mg	24	10153.14666	48371408	ug/L	102.775					
Mg	25	10148.69505	6782703	ug/L	8.596					
Al	27	10453.34332	74826721	ug/L	66.979					
Si	28	73103.364		ug/L						
P	31	10234.37577	3729806	ug/L	79.543					
S	32	82064095.4		ug/L						
Cl	35	1779252.371		ug/L						
K	39	10605.93645	1.01E+08	ug/L	212.267					
Ca	44	10404.64833	3304888	ug/L	172.206					
Sc	45	179358.919		ug/L						
Ti	47	29.685123	24113.19	ug/L	0.197					
Ti	48	9.152999	73683.74	ug/L	0.4					
V	51	-1.665916	17053.16	ug/L	0.072					
ClO	51	17323.334		ug/L						
Cr	52	0.065956	8644.262	ug/L	0.004					
Cr	53	-5.475712	5472.368	ug/L	0.142					
Fe	54	10553.25214	7209301	ug/L	284.037					
Mn	55	0.086665	2880.819	ug/L	0.005					
Fe	56	10613.7445	1.29E+08	ug/L	147.082					
Fe	57	10708.87961	3079439	ug/L	155.532					
Co	59	0.0355	479.351	ug/L	0.003					
Ni	60	0.336998	913.388	ug/L	0.001					
Ni	62	0.076498	83.335	ug/L	0.021					
Cu	63	0.250396	1520.142	ug/L	0.006					
Zn	64	0.726457	2952.599	ug/L	0.021					
Cu	65	0.15899	489.351	ug/L	0.005					
Zn	66	0.641212	1593.489	ug/L	0.033					
Zn	68	0.562098	1157.752	ug/L	0.023					
Ge	72	170439.114		ug/L						
As	75	0.199056	463.16	ug/L	0.036					
Se	74	-594.671177	10552.87	mg/L	427.97					
ArCl	77	417.68		ug/L						

Br	79	1398.788	ug/L			
Br	81	26192.273	ug/L			
Y	89	482681.405	ug/L			
Mo	95	0.376112	1954.897	ug/L	0.04	
Rh	103	450072.491	ug/L			
Ag	107	0.511391	7223.292	ug/L	0.065	
Ag	109	0.497441	6809.632	ug/L	0.061	
Cd	111	0.015117	74.001	ug/L	0.002	
Cd	114	0.016235	177.004	ug/L	0.003	
In	115	594453.997	ug/L			
Sb	121	1.097338	13084.89	ug/L	0.084	
Sb	123	1.093716	9985.192	ug/L	0.076	
Ba	137	0.064495	442.682	ug/L	0.001	
Ba	138	0.063507	2766.405	ug/L	0.003	
Tb	159	801355.576	ug/L			
Ho	165	763984.871	ug/L			
Hg	200	0.012156	48.334	ug/L	0.006	
Hg	202	0.009498	57.667	ug/L	0	
Tl	205	0.010818	827.046	ug/L	0.002	
Pb	208	0.057061	3452.29	ug/L	0	
Bi	209	523750.178	ug/L			
Se	77	-2.473089	397.342	mg/L	0.389	
Se	78	2.828295	15949.34	mg/L	1.338	
Se	82	0.116816	10.09	mg/L	0.135	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	99.053							
|	Mg	101.531							
|	Mg	101.487							
|	Al	104.533							
|	Si								
|	P	102.344							
|	S								
|	Cl								
|	K	106.059							
|	Ca	104.046							
|>	Sc	100.21							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	105.533
	Mn	
	Fe	106.137
	Fe	107.089
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.246
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	104.894
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.471
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 7:55:31
Autosampl Position: 107
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18297
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8632.097		ug/L						
Be	9	-0.000949	7	ug/L	0.006					
B	10	-0.164171	98.335	ug/L	0.059					
B	11	-0.073662	455.349	ug/L	0.008					
C	12	397263.495		ug/L						
Na	23	-4.275609	46235.29	ug/L	0.122					
Mg	24	0.664701	4298.132	ug/L	0.158					
Mg	25	0.694803	586.745	ug/L	0.122					
Al	27	0.532156	10170.05	ug/L	0.059					
Si	28	65444.588		ug/L						
P	31	1.514348	19472.83	ug/L	4.303					
S	32	87288082.95		ug/L						
Cl	35	8094039.239		ug/L						
K	39	-4.11801	728408.3	ug/L	0.608					
Ca	44	-24.51286	27193.33	ug/L	1.556					
Sc	45	188433.055		ug/L						
Ti	47	-0.040203	180.337	ug/L	0.011					
Ti	48	0.081628	-1716.71	ug/L	0.004					
V	51	-0.544764	30350.9	ug/L	0.104					
ClO	51	31233.544		ug/L						
Cr	52	0.037038	8808.077	ug/L	0.031					
Cr	53	-1.596104	10079.02	ug/L	0.277					
Fe	54	11.524254	121373.4	ug/L	1.805					
Mn	55	-0.021618	1403.789	ug/L	0.006					
Fe	56	19.480282	3163931	ug/L	3.18					
Fe	57	6.902319	10633.95	ug/L	0.489					
Co	59	0.000747	111.002	ug/L	0.001					
Ni	60	0.004191	101.002	ug/L	0					
Ni	62	-0.016723	51.001	ug/L	0.007					
Cu	63	0.014406	274.34	ug/L	0.005					
Zn	64	0.161007	1671.272	ug/L	0.074					
Cu	65	0.011823	120.335	ug/L	0.004					
Zn	66	0.155876	953.727	ug/L	0.073					
Zn	68	0.139696	767.707	ug/L	0.088					
Ge	72	178371.685		ug/L						
As	75	0.05814	236.287	ug/L	0.048					
Se	74	-112.39754	16084.7	mg/L	593.371					
ArCl	77	771.707		ug/L						

Br	79	1745.185	ug/L						
Br	81	28126.726	ug/L						
Y	89	496093.623	ug/L						
Mo	95	0.122366	858.716	ug/L	0.011				
Rh	103	487731.077	ug/L						
Ag	107	0.256113	4002.921	ug/L	0				
Ag	109	0.252266	3818.508	ug/L	0.018				
Cd	111	0.003148	35	ug/L	0.002				
Cd	114	0.001844	66.001	ug/L	0.002				
In	115	612272.206	ug/L						
Sb	121	0.39106	5718.189	ug/L	0.012				
Sb	123	0.404564	4468.343	ug/L	0.01				
Ba	137	0.007425	99.002	ug/L	0.001				
Ba	138	0.007464	606.544	ug/L	0				
Tb	159	816011.967	ug/L						
Ho	165	796573.161	ug/L						
Hg	200	0.005285	31.334	ug/L	0.002				
Hg	202	0.000838	28.667	ug/L	0.002				
Tl	205	0.000639	498.685	ug/L	0				
Pb	208	0.009258	1230.712	ug/L	0.001				
Bi	209	555256.141	ug/L						
Se	77	0.961781	830.705	mg/L	0.493				
Se	78	3.542788	16239.83	mg/L	0.19				
Se	82	0.308462	45.603	mg/L	0.41				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.28							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	104.912
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	108.038
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	106.842
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.06
Sample Date/Time Thursday August 25 2011 8:02:18
Autosampl Position: 108
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.06.18298
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8007.533		ug/L						
Be	9	0.01863	17.667	ug/L	0.001					
B	10	170.585649	19493.41	ug/L	0.532					
B	11	170.321876	94032.87	ug/L	2.412					
C	12	15671710.38		ug/L						
Na	23	56239.1955	4.95E+08	ug/L	740.833					
Mg	24	17497.56783	1.04E+08	ug/L	238.4					
Mg	25	17728.28613	14715430	ug/L	380.035					
Al	27	0.867627	15000.53	ug/L	0.017					
Si	28	39200249.25		ug/L						
P	31	272.192342	144944.1	ug/L	4.862					
S	32	78719592.07		ug/L						
Cl	35	1672105.393		ug/L						
K	39	17100.03651	2.02E+08	ug/L	21.151					
Ca	44	39119.55798	15318351	ug/L	239.95					
Sc	45	222739.781		ug/L						
Ti	47	2.579175	2832.803	ug/L	0.07					
Ti	48	29.549915	301793.9	ug/L	1.875					
V	51	-1.695768	20793.96	ug/L	0.006					
ClO	51	21518.326		ug/L						
Cr	52	-0.093841	8963.058	ug/L	0.017					
Cr	53	-6.001093	6104.11	ug/L	0.006					
Fe	54	14568.56201	12311497	ug/L	129.005					
Mn	55	1320.861365	23384297	ug/L	2.52					
Fe	56	14588.14945	2.18E+08	ug/L	252.158					
Fe	57	14785.1459	5274994	ug/L	334.473					
Co	59	0.757573	10245.87	ug/L	0.004					
Ni	60	5.712727	17528.73	ug/L	0.04					
Ni	62	4.718702	2259.97	ug/L	0.016					
Cu	63	0.682839	4753.957	ug/L	0.011					
Zn	64	0.18657	2050.427	ug/L	0.005					
Cu	65	0.111782	458.349	ug/L	0.001					
Zn	66	-0.059545	747.705	ug/L	0.021					
Zn	68	3.21489	4774.301	ug/L	0.107					
Ge	72	167469.454		ug/L						
As	75	87.342279	144606.8	ug/L	3.849					
Se	74	-715.784469	9108.099	mg/L	609.476					
ArCl	77	408.013		ug/L						

Br	79	209345.441	ug/L						
Br	81	249814.698	ug/L						
Y	89	467813.162	ug/L						
Mo	95	1.366483	6263.564	ug/L	0.199				
Rh	103	437701.019	ug/L						
Ag	107	0.009556	641.038	ug/L	0.044				
Ag	109	-0.016547	294.341	ug/L	0.005				
Cd	111	0.018204	81.335	ug/L	0.001				
Cd	114	0.022094	215.005	ug/L	0.001				
In	115	573096.39	ug/L						
Sb	121	0.139199	2760.781	ug/L	0.018				
Sb	123	0.142886	2114.165	ug/L	0.014				
Ba	137	142.927498	836661.6	ug/L	1.588				
Ba	138	144.544129	5414632	ug/L	3.779				
Tb	159	805921.31	ug/L						
Ho	165	794092.663	ug/L						
Hg	200	0.0337	109.335	ug/L	0.002				
Hg	202	0.022382	106.335	ug/L	0.005				
Tl	205	0.019882	1183.422	ug/L	0				
Pb	208	0.00887	1207.042	ug/L	0.001				
Bi	209	461737.784	ug/L						
Se	77	-2.525933	390.675	mg/L	0.075				
Se	78	1.20615	15289.82	mg/L	0.312				
Se	82	2.864324	519.212	mg/L	0.064				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	124.447							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.5
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	101.125
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	106.509
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.07
Sample Date/Time Thursday August 25 2011 8:09:05
Autosampl Position: 109
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.07.18299
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8202.366		ug/L						
Be	9	-0.00143	8	ug/L	0.006					
B	10	3.808869	566.357	ug/L	0.056					
B	11	3.851425	2688.424	ug/L	0.027					
C	12	2625217.974		ug/L						
Na	23	6737.198879	59285520	ug/L	25.676					
Mg	24	4743.009104	28026375	ug/L	77.062					
Mg	25	4783.91819	3965573	ug/L	11.245					
Al	27	-0.107354	6322.834	ug/L	0.049					
Si	28	35434188.11		ug/L						
P	31	-14.407172	15845.42	ug/L	2.382					
S	32	84553764.39		ug/L						
Cl	35	148524.852		ug/L						
K	39	2289.128871	27829722	ug/L	24.387					
Ca	44	5960.616459	2366104	ug/L	104.242					
Sc	45	222452.914		ug/L						
Ti	47	1.439486	1690.841	ug/L	0.038					
Ti	48	4.77841	46341.33	ug/L	0.38					
V	51	-2.317829	12615.89	ug/L	0.071					
ClO	51	13079.887		ug/L						
Cr	52	-0.265323	7053.694	ug/L	0.013					
Cr	53	-7.691226	3867.862	ug/L	0.174					
Fe	54	969.794677	943220.9	ug/L	0.236					
Mn	55	317.941845	5622887	ug/L	2.882					
Fe	56	971.080745	17746613	ug/L	8.886					
Fe	57	1007.462341	368450.3	ug/L	18.326					
Co	59	0.500366	6798.943	ug/L	0.008					
Ni	60	0.585427	1889.549	ug/L	0.003					
Ni	62	0.50267	301.008	ug/L	0.06					
Cu	63	0.158334	1276.102	ug/L	0.007					
Zn	64	0.762169	3769.122	ug/L	0.012					
Cu	65	0.123211	494.018	ug/L	0.012					
Zn	66	0.355942	1476.135	ug/L	0.002					
Zn	68	0.8482	1795.195	ug/L	0.061					
Ge	72	173002.663		ug/L						
As	75	0.543782	1059.871	ug/L	0.062					
Se	74	287.349782	19665.42	mg/L	625.294					
ArCl	77	234.339		ug/L						

Br	79	7803.426	ug/L						
Br	81	32596.667	ug/L						
Y	89	484681.493	ug/L						
Mo	95	0.138446	905.388	ug/L	0.019				
Rh	103	461760.633	ug/L						
Ag	107	0.0338	1006.733	ug/L	0.012				
Ag	109	0.03067	929.058	ug/L	0.013				
Cd	111	0.015857	78.668	ug/L	0.001				
Cd	114	0.012462	151.669	ug/L	0.001				
In	115	611295.641	ug/L						
Sb	121	0.074462	2235.631	ug/L	0.004				
Sb	123	0.07253	1662.66	ug/L	0.005				
Ba	137	10.460482	65368.51	ug/L	0.013				
Ba	138	10.480671	419121.2	ug/L	0.07				
Tb	159	803018.243	ug/L						
Ho	165	783564.671	ug/L						
Hg	200	0.00021	17	ug/L	0.002				
Hg	202	-0.001927	18.334	ug/L	0				
Tl	205	0.018176	1107.745	ug/L	0				
Pb	208	0.013363	1410.725	ug/L	0				
Bi	209	468257.15	ug/L						
Se	77	-3.603919	254.67	mg/L	0.045				
Se	78	2.557414	15839.21	mg/L	0.104				
Se	82	0.326565	48.958	mg/L	0.096				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	124.287							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.754
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	107.866
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.097
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.08
Sample Date/Time Thursday August 25 2011 8:15:52
Autosampl Position: 110
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.08.18300
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9032.485		ug/L						
Be	9	0.091563	51.001	ug/L	0.044					
B	10	4.229792	597.692	ug/L	0.246					
B	11	4.66682	3053.21	ug/L	0.055					
C	12	1635720.185		ug/L						
Na	23	15755.83665	1.35E+08	ug/L	151.493					
Mg	24	4783.572278	27525022	ug/L	102.109					
Mg	25	4810.821899	3883871	ug/L	21.702					
Al	27	3.704356	39025.09	ug/L	0.805					
Si	28	34570076.92		ug/L						
P	31	-11.25686	16783.87	ug/L	4.149					
S	32	90704542.03		ug/L						
Cl	35	152334.222		ug/L						
K	39	3620.029965	42340780	ug/L	78.345					
Ca	44	6884.656278	2655978	ug/L	43.14					
Sc	45	216667.139		ug/L						
Ti	47	1.456599	1662.502	ug/L	0.09					
Ti	48	6.693755	64178.67	ug/L	1.05					
V	51	-2.251601	13117.95	ug/L	0.109					
ClO	51	13600.005		ug/L						
Cr	52	-0.05805	9095.577	ug/L	0.066					
Cr	53	-7.866988	3537.726	ug/L	0.286					
Fe	54	28.525166	153344.9	ug/L	2.425					
Mn	55	103.258301	1779562	ug/L	2.181					
Fe	56	40.84395	3944207	ug/L	2.488					
Fe	57	90.411989	41177.36	ug/L	4.696					
Co	59	0.187509	2546.392	ug/L	0.051					
Ni	60	0.374513	1212.76	ug/L	0.048					
Ni	62	0.551278	315.675	ug/L	0.066					
Cu	63	0.490092	3377.329	ug/L	0.053					
Zn	64	0.909153	4096.158	ug/L	0.082					
Cu	65	0.397395	1322.11	ug/L	0.049					
Zn	66	0.180076	1136.082	ug/L	0.043					
Zn	68	0.531352	1360.115	ug/L	0.063					
Ge	72	172714.572		ug/L						
As	75	0.671056	1275.867	ug/L	0.04					
Se	74	409.024056	20881.37	mg/L	127.633					
ArCl	77	222.005		ug/L						

Br	79	7974.242	ug/L						
Br	81	31997.534	ug/L						
Y	89	490540.362	ug/L						
Mo	95	1.915758	8967.518	ug/L	0.123				
Rh	103	453842.129	ug/L						
Ag	107	0.072146	1487.47	ug/L	0.01				
Ag	109	0.07194	1432.128	ug/L	0.014				
Cd	111	0.126565	448.35	ug/L	0.055				
Cd	114	0.124788	1032.406	ug/L	0.051				
In	115	597864.258	ug/L						
Sb	121	0.355409	5198.542	ug/L	0.042				
Sb	123	0.353639	3941.303	ug/L	0.044				
Ba	137	6.863538	41960.04	ug/L	0.147				
Ba	138	6.952342	271976.5	ug/L	0.192				
Tb	159	784673.784	ug/L						
Ho	165	771936.62	ug/L						
Hg	200	0.026952	88.335	ug/L	0.006				
Hg	202	0.017955	88.001	ug/L	0.001				
Tl	205	0.12039	4630.65	ug/L	0.053				
Pb	208	0.12676	6830.13	ug/L	0.049				
Bi	209	463859.136	ug/L						
Se	77	-3.487666	269.337	mg/L	0.06				
Se	78	2.06823	15640.32	mg/L	0.403				
Se	82	0.431072	68.323	mg/L	0.062				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	121.054							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.584
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	105.495
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.537
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.09
Sample Date/Time Thursday August 25 2011 8:22:39
Autosampl Position: 111
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.09.18301
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9731.873		ug/L						
Be	9	0.000908	8.667	ug/L	0.002					
B	10	3.444764	498.352	ug/L	0.367					
B	11	3.816667	2534.712	ug/L	0.175					
C	12	1266398.515		ug/L						
Na	23	5943.714061	49677327	ug/L	209.645					
Mg	24	2540.642383	14257816	ug/L	81.638					
Mg	25	2586.853422	2037417	ug/L	45.527					
Al	27	0.500325	11124.59	ug/L	0.094					
Si	28	27375717.97		ug/L						
P	31	-8.764637	17451.81	ug/L	1.477					
S	32	86810296.76		ug/L						
Cl	35	135891.659		ug/L						
K	39	1689.777332	19737990	ug/L	31.483					
Ca	44	4174.813079	1586003	ug/L	62.451					
Sc	45	211317.701		ug/L						
Ti	47	1.100786	1284.77	ug/L	0.021					
Ti	48	3.703429	33485.15	ug/L	0.063					
V	51	-2.42326	10671.04	ug/L	0.045					
ClO	51	10893.301		ug/L						
Cr	52	-0.25168	6843.919	ug/L	0.007					
Cr	53	-8.22887	2999.526	ug/L	0.2					
Fe	54	-56.938144	81804.65	ug/L	0.998					
Mn	55	1.559797	28126.73	ug/L	0.042					
Fe	56	-34.973247	2786778	ug/L	0.894					
Fe	57	8.561515	12479.81	ug/L	1.369					
Co	59	0.010201	244.006	ug/L	0.002					
Ni	60	0.279058	908.388	ug/L	0.004					
Ni	62	0.283375	189.671	ug/L	0.052					
Cu	63	0.153671	1183.089	ug/L	0					
Zn	64	1.917392	6861.604	ug/L	0.033					
Cu	65	0.137618	512.353	ug/L	0.001					
Zn	66	1.57497	3434.35	ug/L	0.017					
Zn	68	1.85419	2906.494	ug/L	0.023					
Ge	72	175718.12		ug/L						
As	75	0.197307	475.187	ug/L	0.016					
Se	74	-88.420063	16102.66	mg/L	360.418					
ArCl	77	223.005		ug/L						

Br	79	4606.88	ug/L			
Br	81	27368.074	ug/L			
Y	89	490055.727	ug/L			
Mo	95	0.13052	883.052	ug/L	0.008	
Rh	103	461262.294	ug/L			
Ag	107	0.0449	1126.748	ug/L	0.001	
Ag	109	0.040315	1028.069	ug/L	0.005	
Cd	111	0.007891	50.001	ug/L	0.001	
Cd	114	0.00714	106.002	ug/L	0	
In	115	596253.127	ug/L			
Sb	121	0.079585	2234.965	ug/L	0.017	
Sb	123	0.090122	1766.347	ug/L	0.008	
Ba	137	4.99519	30472.96	ug/L	0.037	
Ba	138	5.033428	196490.4	ug/L	0.035	
Tb	159	777891.252	ug/L			
Ho	165	762878.318	ug/L			
Hg	200	0.000638	17.667	ug/L	0.002	
Hg	202	-0.000832	21.667	ug/L	0	
Tl	205	0.013665	924.056	ug/L	0	
Pb	208	0.006728	1058.035	ug/L	0.001	
Bi	209	466421.915	ug/L			
Se	77	-3.773013	233.336	mg/L	0.194	
Se	78	0.208538	14884.22	mg/L	0.052	
Se	82	0.180794	21.946	mg/L	0.054	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	118.065							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	103.351
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	105.211
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.322
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.11
Sample Date/Time Thursday August 25 2011 8:29:26
Autosampl Position: 112
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.11.18302
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9973.471		ug/L						
Be	9	-0.006842	5	ug/L	0.005					
B	10	6.735145	828.379	ug/L	0.03					
B	11	7.191918	4168.664	ug/L	0.151					
C	12	2699392.397		ug/L						
Na	23	15687.422	1.27E+08	ug/L	80.68					
Mg	24	4162.82879	22692322	ug/L	106.852					
Mg	25	4210.406183	3219524	ug/L	67.505					
Al	27	1.620712	19987.28	ug/L	0.024					
Si	28	20089001.86		ug/L						
P	31	-0.679558	20308.03	ug/L	1.552					
S	32	87236274.81		ug/L						
Cl	35	283841.919		ug/L						
K	39	2716.548127	30311141	ug/L	0.355					
Ca	44	19944.93697	7213837	ug/L	271.839					
Sc	45	205210.284		ug/L						
Ti	47	0.827168	995.731	ug/L	0.007					
Ti	48	17.817339	166555.6	ug/L	0.13					
V	51	-2.115758	14082.71	ug/L	0.029					
ClO	51	14519.064		ug/L						
Cr	52	-0.310877	6042.523	ug/L	0.001					
Cr	53	-8.219047	2927.168	ug/L	0.109					
Fe	54	-9.69318	115833.6	ug/L	2.041					
Mn	55	28.859405	472551.6	ug/L	0.191					
Fe	56	17.746038	3422259	ug/L	5.565					
Fe	57	86.023966	37537.77	ug/L	2.672					
Co	59	0.043167	643.029	ug/L	0.003					
Ni	60	0.560728	1673.504	ug/L	0.029					
Ni	62	0.06621	91.001	ug/L	0.015					
Cu	63	0.371691	2480.03	ug/L	0.014					
Zn	64	0.299131	2199.54	ug/L	0.024					
Cu	65	0.270786	885.385	ug/L	0					
Zn	66	-0.132845	570.357	ug/L	0.01					
Zn	68	0.147844	844.714	ug/L	0.021					
Ge	72	175337.416		ug/L						
As	75	7.25968	12715.29	ug/L	0.021					
Se	74	185.883496	18910.06	mg/L	24.665					
ArCl	77	232.005		ug/L						

Br	79	29637.197	ug/L						
Br	81	55898.225	ug/L						
Y	89	485663.399	ug/L						
Mo	95	2.034	9646.245	ug/L	0.251				
Rh	103	457295.47	ug/L						
Ag	107	0.012118	709.701	ug/L	0.003				
Ag	109	0.01269	689.7	ug/L	0.004				
Cd	111	0.013956	71.668	ug/L	0				
Cd	114	0.009503	127.002	ug/L	0.001				
In	115	607515.048	ug/L						
Sb	121	0.054825	2007.908	ug/L	0.001				
Sb	123	0.05246	1484.743	ug/L	0.011				
Ba	137	6.350093	39455.83	ug/L	0.076				
Ba	138	6.333715	251842.3	ug/L	0.049				
Tb	159	782378.396	ug/L						
Ho	165	759068.177	ug/L						
Hg	200	0.087272	245.339	ug/L	0.004				
Hg	202	0.056143	218.671	ug/L	0.001				
Tl	205	0.007763	717.702	ug/L	0.001				
Pb	208	0.006791	1055.701	ug/L	0.001				
Bi	209	459894.141	ug/L						
Se	77	-3.751876	236.003	mg/L	0.075				
Se	78	1.768887	15518.62	mg/L	0.329				
Se	82	0.567567	93.616	mg/L	0.256				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	114.653							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	103.127
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	107.198
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.811
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.12
Sample Date/Time Thursday August 25 2011 8:36:13
Autosampl Position: 113
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.12.18303
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8845.65		ug/L						
Be	9	0.007797	12.333	ug/L	0.013					
B	10	185.251139	20927.95	ug/L	5.253					
B	11	189.198286	103254	ug/L	7.552					
C	12	9282470.492		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	21446.21709	1.26E+08	ug/L	496.826					
Mg	25	21825.65748	17917773	ug/L	181.809					
Al	27	0.114074	8211.195	ug/L	0.014					
Si	28	38679530.78		ug/L						
P	31	23.067131	32384.15	ug/L	0.767					
S	32	82484316.98		ug/L						
Cl	35	3727419.723		ug/L						
K	39	5908.026561	69715625	ug/L	39.57					
Ca	44	58027.78766	22455235	ug/L	1328.148					
Sc	45	220313.649		ug/L						
Ti	47	1.916028	2146.275	ug/L	0.049					
Ti	48	48.706635	493707.1	ug/L	1.61					
V	51	-1.916575	17703.06	ug/L	0.01					
ClO	51	17930.846		ug/L						
Cr	52	-0.202393	7675.394	ug/L	0.053					
Cr	53	-6.345572	5588.106	ug/L	0.024					
Fe	54	4640.253067	3968664	ug/L	31.591					
Mn	55	455.216957	7972717	ug/L	1.039					
Fe	56	4625.382382	70859662	ug/L	35.789					
Fe	57	4575.086701	1621566	ug/L	8.091					
Co	59	0.121796	1729.849	ug/L	0.002					
Ni	60	9.514788	28807.22	ug/L	0.277					
Ni	62	8.038805	3760.815	ug/L	0.067					
Cu	63	1.444159	9693.262	ug/L	0.007					
Zn	64	0.302963	2372.73	ug/L	0.034					
Cu	65	0.366588	1250.098	ug/L	0.004					
Zn	66	-0.119561	635.362	ug/L	0.011					
Zn	68	1.391281	2454.022	ug/L	0.023					
Ge	72	164257.339		ug/L						
As	75	15.982514	26075.95	ug/L	0.074					
Se	74	-387.165727	12192.44	mg/L	290.746					
ArCl	77	584.691		ug/L						

Br	79	583401.399	ug/L						
Br	81	656768.985	ug/L						
Y	89	470877.077	ug/L						
Mo	95	1.552648	6960.739	ug/L	0.119				
Rh	103	433616.953	ug/L						
Ag	107	-0.031557	118.669	ug/L	0.001				
Ag	109	-0.02932	138.003	ug/L	0.006				
Cd	111	0.010386	56.001	ug/L	0.004				
Cd	114	0.019656	196.337	ug/L	0.002				
In	115	572408.298	ug/L						
Sb	121	0.070759	2055.586	ug/L	0.001				
Sb	123	0.076396	1587.301	ug/L	0.017				
Ba	137	57.153693	334213.1	ug/L	0.255				
Ba	138	58.339788	2183308	ug/L	0.491				
Tb	159	775349.23	ug/L						
Ho	165	754813.747	ug/L						
Hg	200	0.013821	52.001	ug/L	0				
Hg	202	0.008544	53.667	ug/L	0.003				
Tl	205	0.003647	574.357	ug/L	0.002				
Pb	208	0.001613	807.022	ug/L	0.001				
Bi	209	432476.762	ug/L						
Se	77	-0.951198	589.352	mg/L	0.06				
Se	78	1.643859	15467.78	mg/L	0.631				
Se	82	7.873544	1447.436	mg/L	0.176				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	123.092							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	96.61
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	101.004
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	101.241
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.13
Sample Date/Time Thursday August 25 2011 8:43:01
Autosampl Position: 114
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.13.18304
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8808.265		ug/L						
Be	9	0.002543	9.667	ug/L	0.003					
B	10	19.694511	2304.982	ug/L	0.008					
B	11	20.294547	11393.25	ug/L	0.043					
C	12	3934241.329		ug/L						
Na	23	13653.69445	1.17E+08	ug/L	38.898					
Mg	24	3286.626015	18915376	ug/L	15.318					
Mg	25	3339.575157	2696034	ug/L	13.174					
Al	27	1.343214	18704.45	ug/L	0.086					
Si	28	25175550.51		ug/L						
P	31	-12.479926	16272.85	ug/L	0.944					
S	32	86675019.95		ug/L						
Cl	35	579606.145		ug/L						
K	39	1733.343921	20740364	ug/L	36.657					
Ca	44	11904.93715	4562014	ug/L	233.904					
Sc	45	216648.515		ug/L						
Ti	47	1.049659	1267.768	ug/L	0.029					
Ti	48	9.723192	94693.4	ug/L	0.137					
V	51	-2.364369	11696.3	ug/L	0.025					
ClO	51	12098.171		ug/L						
Cr	52	0.051523	10284.89	ug/L	0.017					
Cr	53	-7.559002	3937.225	ug/L	0.102					
Fe	54	5493.904418	4597035	ug/L	111.301					
Mn	55	2308.404498	39748828	ug/L	0.315					
Fe	56	5426.348597	81167030	ug/L	6.491					
Fe	57	5116.361913	1782102	ug/L	20.646					
Co	59	4.712784	61377.78	ug/L	0.025					
Ni	60	2.723938	8183.43	ug/L	0.005					
Ni	62	2.459419	1177.421	ug/L	0.033					
Cu	63	0.452343	3137.906	ug/L	0.019					
Zn	64	0.400094	2616.512	ug/L	0.017					
Cu	65	0.350548	1180.088	ug/L	0.008					
Zn	66	0.085508	975.395	ug/L	0.007					
Zn	68	0.326423	1110.412	ug/L	0.018					
Ge	72	174928.29		ug/L						
As	75	0.515786	1023.591	ug/L	0.02					
Se	74	-18.856274	16768.5	mg/L	490.082					
ArCl	77	294.008		ug/L						

Br	79	43774.918	ug/L			
Br	81	69740.847	ug/L			
Y	89	516296.137	ug/L			
Mo	95	0.064449	575.691	ug/L	0.001	
Rh	103	453467.053	ug/L			
Ag	107	-0.015928	335.01	ug/L	0.003	
Ag	109	-0.014154	342.677	ug/L	0.003	
Cd	111	0.040917	164.003	ug/L	0	
Cd	114	0.039555	368.344	ug/L	0.002	
In	115	607986.378	ug/L			
Sb	121	0.061839	2086.26	ug/L	0.008	
Sb	123	0.067923	1615.233	ug/L	0.001	
Ba	137	4.437106	27606.8	ug/L	0.051	
Ba	138	4.463947	177723.2	ug/L	0.043	
Tb	159	794482.389	ug/L			
Ho	165	770307.834	ug/L			
Hg	200	0.003551	25.667	ug/L	0.001	
Hg	202	-0.000133	24.334	ug/L	0.001	
Tl	205	0.022371	1234.096	ug/L	0.001	
Pb	208	0.004952	983.698	ug/L	0.001	
Bi	209	478191.083	ug/L			
Se	77	-3.519371	265.337	mg/L	0.164	
Se	78	1.702999	15491.83	mg/L	1.104	
Se	82	0.671794	112.93	mg/L	0.052	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	121.044							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.887
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	107.282
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.319
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.14
Sample Date/Time Thursday August 25 2011 8:49:48
Autosampl Position: 115
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.14.18305
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8992.445		ug/L						
Be	9	0.007447	10	ug/L	0.005					
B	10	0.117606	120.669	ug/L	0.079					
B	11	0.22963	573.691	ug/L	0.149					
C	12	654538.113		ug/L						
Na	23	204.747281	1542521	ug/L	4.878					
Mg	24	10.055895	49395.45	ug/L	0.335					
Mg	25	10.222536	7006.733	ug/L	0.134					
Al	27	1.632689	17759.11	ug/L	0.062					
Si	28	560730.527		ug/L						
P	31	-5.571943	16155.99	ug/L	3.587					
S	32	91162180.61		ug/L						
Cl	35	55595.019		ug/L						
K	39	2.228358	762370	ug/L	1.309					
Ca	44	29.817502	43481.43	ug/L	1.114					
Sc	45	181477.64		ug/L						
Ti	47	-0.068475	150.669	ug/L	0.007					
Ti	48	0.150584	-1075.43	ug/L	0.016					
V	51	-2.419062	9214.093	ug/L	0.001					
ClO	51	9992.596		ug/L						
Cr	52	-0.009122	8068.412	ug/L	0.003					
Cr	53	-7.966905	2858.812	ug/L	0.152					
Fe	54	-31.068965	87869.9	ug/L	1.676					
Mn	55	0.23647	5070.806	ug/L	0.043					
Fe	56	14.802395	2991040	ug/L	2.395					
Fe	57	7.564443	10437.05	ug/L	2.291					
Co	59	0.005344	156.67	ug/L	0.003					
Ni	60	0.035932	176.003	ug/L	0.008					
Ni	62	0.027111	65.668	ug/L	0.009					
Cu	63	0.030963	353.344	ug/L	0.002					
Zn	64	0.101494	1462.918	ug/L	0.009					
Cu	65	0.025041	150.003	ug/L	0					
Zn	66	0.096108	832.046	ug/L	0.015					
Zn	68	0.06486	662.031	ug/L	0.002					
Ge	72	174520.7		ug/L						
As	75	0.07877	267.744	ug/L	0.044					
Se	74	-110.497219	15778.9	mg/L	201.01					
ArCl	77	218.005		ug/L						

Br	79	1084.409	ug/L						
Br	81	25447.499	ug/L						
Y	89	477835.163	ug/L						
Mo	95	-0.000231	278.007	ug/L	0.007				
Rh	103	475928.049	ug/L						
Ag	107	0.033177	984.063	ug/L	0.004				
Ag	109	0.028181	883.718	ug/L	0.003				
Cd	111	0.005765	43.334	ug/L	0.003				
Cd	114	0.036669	342.343	ug/L	0				
In	115	603057.506	ug/L						
Sb	121	-0.028614	1090.076	ug/L	0.001				
Sb	123	-0.020732	864.996	ug/L	0				
Ba	137	0.173914	1123.081	ug/L	0				
Ba	138	0.178696	7347.908	ug/L	0.003				
Tb	159	782560.725	ug/L						
Ho	165	763614.789	ug/L						
Hg	200	0.002122	21.667	ug/L	0				
Hg	202	0.000695	27	ug/L	0				
Tl	205	0.006828	689.7	ug/L	0.002				
Pb	208	0.000023	740.352	ug/L	0.002				
Bi	209	480028.918	ug/L						
Se	77	-3.868128	221.336	mg/L	0.12				
Se	78	2.010795	15616.97	mg/L	0.259				
Se	82	0.102823	7.497	mg/L	0.228				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.394							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.647
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	106.412
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.421
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.15
Sample Date/Time Thursday August 25 2011 8:56:35
Autosampl Position: 116
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.15.18306
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8365.182		ug/L						
Be	9	-0.001839	8.333	ug/L	0.001					
B	10	234.016683	28410.95	ug/L	0.288					
B	11	226.101471	132664.4	ug/L	1.733					
C	12	20137160.45		ug/L						
Na	23	26400.94573	2.47E+08	ug/L	189.336					
Mg	24	16714.18992	1.05E+08	ug/L	60.712					
Mg	25	16633.54095	14693923	ug/L	219.093					
Al	27	0.462926	12135.98	ug/L	0.022					
Si	28	49344407.96		ug/L						
P	31	431.119743	230491.7	ug/L	2.063					
S	32	88306976.39		ug/L						
Cl	35	508417.577		ug/L						
K	39	26885.68142	3.38E+08	ug/L	584.88					
Ca	44	53012.32173	22079532	ug/L	116.305					
Sc	45	237087.921		ug/L						
Ti	47	3.580341	4080.624	ug/L	0.164					
Ti	48	48.99883	534386.8	ug/L	2.854					
V	51	-2.209514	14962.79	ug/L	0.005					
ClO	51	15414.214		ug/L						
Cr	52	-0.382855	6127.962	ug/L	0.076					
Cr	53	-7.643349	4190.674	ug/L	0.01					
Fe	54	18914.79925	16967845	ug/L	747.598					
Mn	55	995.52943	18759826	ug/L	9.797					
Fe	56	19173.42965	3.04E+08	ug/L	920.876					
Fe	57	19596.95892	7438560	ug/L	427.886					
Co	59	3.479029	49618.54	ug/L	0.01					
Ni	60	8.02168	26152.49	ug/L	0.011					
Ni	62	6.662483	3366.657	ug/L	0.026					
Cu	63	0.338658	2632.074	ug/L	0.01					
Zn	64	4.15523	14832.28	ug/L	0.017					
Cu	65	0.162229	657.697	ug/L	0.005					
Zn	66	3.524797	7500.501	ug/L	0.034					
Zn	68	5.090513	7592.912	ug/L	0.128					
Ge	72	172662.941		ug/L						
As	75	78.883504	134775.1	ug/L	0.565					
Se	74	-854.047649	8099.48	mg/L	276.153					
ArCl	77	266.34		ug/L						

Br	79	149131.984	ug/L						
Br	81	182562.422	ug/L						
Y	89	467248.914	ug/L						
Mo	95	0.660003	3270.29	ug/L	0.068				
Rh	103	444055.996	ug/L						
Ag	107	-0.02675	184.67	ug/L	0.002				
Ag	109	-0.029431	140.669	ug/L	0.003				
Cd	111	0.01398	69.668	ug/L	0.001				
Cd	114	0.022136	221.672	ug/L	0.001				
In	115	589871.839	ug/L						
Sb	121	0.06474	2054.586	ug/L	0				
Sb	123	0.06716	1560.89	ug/L	0.008				
Ba	137	64.058291	386012.1	ug/L	0.714				
Ba	138	64.890166	2502527	ug/L	1.144				
Tb	159	782590.876	ug/L						
Ho	165	777878.93	ug/L						
Hg	200	0.000989	19	ug/L	0.001				
Hg	202	-0.001043	21.334	ug/L	0				
Tl	205	0.00626	683.699	ug/L	0.001				
Pb	208	0.000732	788.688	ug/L	0.001				
Bi	209	457030.202	ug/L						
Se	77	-3.508803	266.671	mg/L	0.149				
Se	78	0.8033	15126.04	mg/L	0.129				
Se	82	2.321688	418.66	mg/L	0.232				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	132.464							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.554
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	104.085
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.334
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	1						
Sample	Date/Time	Thursday	August	25	2011	9:03:17				
Autosampl	Position:	5								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	1.18307						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8701.496		ug/L						
Be	9	0.002124	8.333	ug/L	0.008					
B	10	1.042829	216.005	ug/L	0.303					
B	11	1.222859	1066.407	ug/L	0.251					
C	12	610235.179		ug/L						
Na	23	3.979444	108659.9	ug/L	0.6					
Mg	24	1.64595	9285.682	ug/L	0.169					
Mg	25	1.59838	1230.208	ug/L	0.403					
Al	27	0.352878	8905.257	ug/L	0.054					
Si	28	90491.373		ug/L						
P	31	10.41558	23091.6	ug/L	0.944					
S	32	92995613.15		ug/L						
Cl	35	8228486.2		ug/L						
K	39	4.075293	817559.1	ug/L	3.2					
Ca	44	-25.055261	27273.58	ug/L	0.509					
Sc	45	190224.434		ug/L						
Ti	47	-0.021209	198.337	ug/L	0.002					
Ti	48	0.134161	-1270.85	ug/L	0.001					
V	51	-1.009691	25443.49	ug/L	0.028					
ClO	51	26560.694		ug/L						
Cr	52	0.018934	8722.045	ug/L	0.009					
Cr	53	-3.007677	8587.475	ug/L	0.141					
Fe	54	61.496376	158061.4	ug/L	26.332					
Mn	55	0.066493	2747.778	ug/L	0.02					
Fe	56	65.777291	3775462	ug/L	19.987					
Fe	57	50.151602	23857.44	ug/L	14.58					
Co	59	-0.000854	93.668	ug/L	0					
Ni	60	0.007055	109.335	ug/L	0.005					
Ni	62	0.017222	65.001	ug/L	0.025					
Cu	63	0.009252	247.339	ug/L	0.006					
Zn	64	0.101907	1534.285	ug/L	0.02					
Cu	65	0.004576	102.002	ug/L	0.001					
Zn	66	0.067874	829.713	ug/L	0.02					
Zn	68	0.060544	688.7	ug/L	0.08					
Ge	72	176176.059		ug/L						
As	75	0.129948	358.739	ug/L	0.046					
Se	74	311.182125	20295.41	mg/L	114.394					
ArCl	77	694.367		ug/L						

Br	79	3213.601	ug/L						
Br	81	30228.534	ug/L						
Y	89	504972.91	ug/L						
Mo	95	0.059345	556.023	ug/L	0.014				
Rh	103	495083.901	ug/L						
Ag	107	0.054641	1320.776	ug/L	0.01				
Ag	109	0.055872	1290.105	ug/L	0.009				
Cd	111	0.00055	26.667	ug/L	0.001				
Cd	114	0.002728	75.001	ug/L	0.002				
In	115	628074.476	ug/L						
Sb	121	0.102237	2610.735	ug/L	0.006				
Sb	123	0.10802	2015.693	ug/L	0.003				
Ba	137	0.012955	137.002	ug/L	0.001				
Ba	138	0.010763	757.543	ug/L	0				
Tb	159	817105.805	ug/L						
Ho	165	794581.644	ug/L						
Hg	200	0.000233	17.334	ug/L	0				
Hg	202	0.001223	30	ug/L	0				
Tl	205	0.000286	484.684	ug/L	0.001				
Pb	208	0.012689	1397.055	ug/L	0				
Bi	209	593903.332	ug/L						
Se	77	0.000001	709.361	mg/L	0.448				
Se	78	4.124407	16476.31	mg/L	0.171				
Se	82	0.364343	55.958	mg/L	0.267				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	106.28							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	103.62
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	110.826
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	106.575
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Thursday August 25 2011 9:10:26
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 2.18308
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8613.415		ug/L						
Be	9	78.29362	31354.63	ug/L	1.085					
B	10	89.689104	8591.144	ug/L	1.058					
B	11	87.967064	40688.61	ug/L	1.471					
C	12	491870.803		ug/L						
Na	23	99.944262	809313.3	ug/L	0.215					
Mg	24	104.613786	516585.5	ug/L	0.093					
Mg	25	102.601227	71033.54	ug/L	1.77					
Al	27	105.205117	785105.5	ug/L	1.517					
Si	28	267282.36		ug/L						
P	31	11.796063	23044.81	ug/L	0.37					
S	32	90272807.52		ug/L						
Cl	35	8271025.698		ug/L						
K	39	1072.408348	11278121	ug/L	0.8					
Ca	44	83.451654	61899.61	ug/L	5.934					
Sc	45	185550.47		ug/L						
Ti	47	103.790037	86687.21	ug/L	0.117					
Ti	48	106.87711	915300.8	ug/L	0.786					
V	51	102.676122	1157417	ug/L	0.873					
ClO	51	1181705.512		ug/L						
Cr	52	103.849564	967029.1	ug/L	0.505					
Cr	53	101.152083	122870.3	ug/L	0.04					
Fe	54	147.587572	214246.4	ug/L	2.104					
Mn	55	103.179654	1523245	ug/L	1.207					
Fe	56	135.995747	4546791	ug/L	5.377					
Fe	57	121.01343	44322.21	ug/L	2.382					
Co	59	104.583702	1164447	ug/L	0.725					
Ni	60	99.299873	252355.5	ug/L	0.378					
Ni	62	99.847046	38692.89	ug/L	0.844					
Cu	63	103.841664	573505.8	ug/L	1.437					
Zn	64	96.680292	242416.2	ug/L	1.038					
Cu	65	104.867103	276261.5	ug/L	0.106					
Zn	66	97.268519	143106.3	ug/L	0.11					
Zn	68	97.435272	102705.6	ug/L	0.719					
Ge	72	174819.826		ug/L						
As	75	109.709982	189691.7	ug/L	2.533					
Se	74	72.893118	17665.52	mg/L	342.104					
ArCl	77	14511.718		ug/L						

Br	79	2232.296	ug/L		
Br	81	28540.017	ug/L		
Y	89	497377.792	ug/L		
Mo	95	105.799635	486192.2	ug/L	0.206
Rh	103	480804.375	ug/L		
Ag	107	58.039318	778146.9	ug/L	0.499
Ag	109	57.584303	747376.9	ug/L	0.784
Cd	111	105.78436	362529.9	ug/L	2.11
Cd	114	104.14794	837007.9	ug/L	3.133
In	115	608882.643	ug/L		
Sb	121	97.754983	1070112	ug/L	2.871
Sb	123	98.19012	825691.3	ug/L	2.815
Ba	137	105.573884	656459.4	ug/L	2.469
Ba	138	105.659753	4204577	ug/L	2.799
Tb	159	801423.371	ug/L		
Ho	165	775961.23	ug/L		
Hg	200	0.956849	2587.728	ug/L	0.042
Hg	202	0.941372	3353.319	ug/L	0.031
Tl	205	107.18097	3735681	ug/L	1.053
Pb	208	103.948651	5018919	ug/L	0.605
Bi	209	553304.115	ug/L		
Se	77	105.968083	14078.9	mg/L	1.602
Se	78	112.872866	60690.37	mg/L	0.464
Se	82	107.317266	19874.67	mg/L	0.59

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	77.518							
|	B	89.421							
|	B	87.704							
|	C								
|	Na	98.662							
|	Mg	103.578							
|	Mg	101.585							
|	Al	104.786							
|	Si								
|	P								
|	S								
|	Cl								
|	K	106.92							
|	Ca	82.707							
|>	Sc	103.669							
|	Ti	103.79							
|	Ti	106.877							
|	V	102.267							
|	ClO								
|	Cr	102.821							

	Cr	100.151
	Fe	146.707
	Mn	102.769
	Fe	135.185
	Fe	120.292
	Co	103.96
	Ni	98.512
	Ni	99.055
	Cu	103.946
	Zn	96.008
	Cu	104.972
	Zn	96.592
|-	Zn	96.758
|>	Ge	102.823
	As	110.372
	Se	72.748
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	105.483
|-	Rh	
	Ag	57.579
	Ag	57.127
	Cd	105.258
	Cd	103.63
|>	In	107.44
	Sb	97.463
	Sb	97.896
	Ba	104.84
|-	Ba	104.925
|-	Tb	
|>	Ho	104.077
	Hg	95.685
	Hg	94.137
	Tl	107.181
	Pb	103.949
|-	Bi	
	Se	105.757
	Se	112.648
	Se	107.103

Sample	ID:	QC	Std	5						
Sample	Date/Time	Thursday	August	25	2011	9:17:35				
Autosampl	Position:	7								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	5.18309						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8911.032	ug/L							
Be	9	34.013455	13846.01	ug/L	0.03					
B	10	147.429392	14274.35	ug/L	6.55					
B	11	145.862564	68231.11	ug/L	1.896					
C	12	458173.429	ug/L							
Na	23	1.047033	85885.81	ug/L	0.376					
Mg	24	0.847013	5208.68	ug/L	0.033					
Mg	25	0.860498	703.432	ug/L	0.228					
Al	27	186.720982	1411073	ug/L	4.568					
Si	28	140217.076	ug/L							
P	31	10.36678	22874.38	ug/L	1.839					
S	32	92537974.57	ug/L							
Cl	35	7810473.343	ug/L							
K	39	-1.802571	751974.6	ug/L	0.182					
Ca	44	-26.379292	26594.84	ug/L	1.744					
Sc	45	188548.589	ug/L							
Ti	47	0.034317	243.672	ug/L	0.022					
Ti	48	0.163305	-1004.98	ug/L	0.014					
V	51	25.132971	315399.1	ug/L	0.058					
ClO	51	320806.875	ug/L							
Cr	52	51.122194	488035.2	ug/L	0.005					
Cr	53	48.224187	65732.12	ug/L	1.033					
Fe	54	212.224635	263422.5	ug/L	9.046					
Mn	55	110.334759	1655095	ug/L	0.116					
Fe	56	207.515832	5513106	ug/L	10.168					
Fe	57	202.218712	69518.39	ug/L	1.018					
Co	59	24.840632	281126.2	ug/L	0.083					
Ni	60	201.842189	521152.8	ug/L	1.045					
Ni	62	198.584702	78142.52	ug/L	0.526					
Cu	63	80.213747	450214.8	ug/L	0.362					
Zn	64	99.151812	252589	ug/L	1.475					
Cu	65	81.381913	217872	ug/L	0.505					
Zn	66	100.342697	149984.3	ug/L	1.535					
Zn	68	101.544617	108741.2	ug/L	0.115					
Ge	72	174087.366	ug/L							
As	75	47.872745	82488.66	ug/L	1.672					
Se	74	239.190462	19285.34	mg/L	322.172					
ArCl	77	22625.346	ug/L							

Br	79	2334.323	ug/L		
Br	81	29408.451	ug/L		
Y	89	488936.425	ug/L		
Mo	95	45.716757	209288.3	ug/L	1.598
Rh	103	477279.59	ug/L		
Ag	107	52.744975	712043.6	ug/L	1.517
Ag	109	52.147411	681302.2	ug/L	1.277
Cd	111	24.300441	83890.49	ug/L	0.088
Cd	114	24.039451	194624.9	ug/L	0.288
In	115	613049.079	ug/L		
Sb	121	52.425168	578215.9	ug/L	0.942
Sb	123	52.382443	443823.3	ug/L	0.251
Ba	137	149.759214	937837	ug/L	0.029
Ba	138	147.902086	5927643	ug/L	0.428
Tb	159	780981.421	ug/L		
Ho	165	764957.845	ug/L		
Hg	200	1.016977	2710.431	ug/L	0.029
Hg	202	1.01571	3565.068	ug/L	0.018
Tl	205	15.177585	521864.7	ug/L	0.22
Pb	208	110.467292	5257525	ug/L	1.865
Bi	209	558115.178	ug/L		
Se	77	175.457023	22846.01	mg/L	4.45
Se	78	179.660594	87844.38	mg/L	3.745
Se	82	173.695369	32174.74	mg/L	2.382

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	79.844							
|	B	92.143							
|	B	91.164							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	106.091							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.344							
|	Ti								
|	Ti								
|	V	100.936							
|	ClO								
|	Cr	103.907							

|	Cr	98.017
|	Fe	118.561
|	Mn	104.089
|	Fe	115.931
|	Fe	112.971
|	Co	106.612
|	Ni	98.942
|	Ni	97.345
|	Cu	102.575
|	Zn	94.43
|	Cu	104.069
|	Zn	95.564
|-	Zn	96.709
|>	Ge	102.392
|	As	121.504
|	Se	149.494
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	109.109
|-	Rh	
|	Ag	104.861
|	Ag	103.673
|	Cd	104.743
|	Cd	103.618
|>	In	108.175
|	Sb	112.742
|	Sb	112.65
|	Ba	106.212
|-	Ba	104.895
|-	Tb	
|>	Ho	102.601
|	Hg	101.698
|	Hg	101.571
|	Tl	106.884
|	Pb	106.219
|-	Bi	
	Se	109.661
	Se	112.288
	Se	108.56

Sample	ID:	QC	Std	6						
Sample	Date/Time	Thursday	August	25	2011	9:24:44				
Autosampl	Position:	8								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	6.1831						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8983.113		ug/L						
Be	9	-0.006987	4.667	ug/L	0.009					
B	10	0.467881	160.67	ug/L	0.079					
B	11	0.662757	807.377	ug/L	0.069					
C	12	437216.478		ug/L						
Na	23	9682.511051	72885662	ug/L	599.305					
Mg	24	9668.917181	48890944	ug/L	662.847					
Mg	25	9870.098059	7002890	ug/L	550.22					
Al	27	9970.613043	75734459	ug/L	761.854					
Si	28	73540.244		ug/L						
P	31	9587.341479	3709600	ug/L	652.685					
S	32	83200996.27		ug/L						
Cl	35	1758330.698		ug/L						
K	39	9996.019826	1.01E+08	ug/L	700.919					
Ca	44	9848.277582	3322451	ug/L	647.374					
Sc	45	190659.408		ug/L						
Ti	47	28.178789	24321.4	ug/L	0.99					
Ti	48	9.055701	77441.01	ug/L	0.003					
V	51	-1.999175	14381.85	ug/L	0.043					
ClO	51	14935.079		ug/L						
Cr	52	0.019096	8737.928	ug/L	0.028					
Cr	53	-6.453699	4710.934	ug/L	0.106					
Fe	54	9992.168621	7254084	ug/L	563.832					
Mn	55	0.075775	2891.489	ug/L	0.015					
Fe	56	10043.18062	1.3E+08	ug/L	519.205					
Fe	57	10295.64467	3145034	ug/L	288.703					
Co	59	0.032303	473.35	ug/L	0.001					
Ni	60	0.302852	881.385	ug/L	0.007					
Ni	62	0.040699	74.668	ug/L	0.027					
Cu	63	0.239512	1552.481	ug/L	0.015					
Zn	64	0.686505	3033.756	ug/L	0.047					
Cu	65	0.142056	473.684	ug/L	0.009					
Zn	66	0.620308	1661.835	ug/L	0.028					
Zn	68	0.521115	1185.422	ug/L	0.052					
Ge	72	175599.885		ug/L						
As	75	0.146962	387.567	ug/L	0.023					
Se	74	-210.811935	14846.25	mg/L	161.509					
ArCl	77	410.013		ug/L						

Br	79	1495.805	ug/L						
Br	81	26695.74	ug/L						
Y	89	498832.392	ug/L						
Mo	95	0.195255	1181.755	ug/L	0.013				
Rh	103	457796.458	ug/L						
Ag	107	0.287484	4334.416	ug/L	0.037				
Ag	109	0.286143	4173.337	ug/L	0.033				
Cd	111	0.008395	52.001	ug/L	0.001				
Cd	114	0.011942	144.669	ug/L	0.001				
In	115	599868.915	ug/L						
Sb	121	0.691085	8831.381	ug/L	0.047				
Sb	123	0.701526	6832.687	ug/L	0.061				
Ba	137	0.056814	399.679	ug/L	0.002				
Ba	138	0.057793	2567.882	ug/L	0				
Tb	159	798988.01	ug/L						
Ho	165	784933.446	ug/L						
Hg	200	0.012825	51.334	ug/L	0.003				
Hg	202	0.009993	61.001	ug/L	0.001				
Tl	205	0.003114	578.691	ug/L	0				
Pb	208	0.046514	3031.899	ug/L	0				
Bi	209	559547.489	ug/L						
Se	77	-2.811283	354.674	mg/L	0.09				
Se	78	3.659561	16287.31	mg/L	0.185				
Se	82	0.282434	40.78	mg/L	0.118				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	96.825							
|	Mg	96.689							
|	Mg	98.701							
|	Al	99.706							
|	Si								
|	P	95.873							
|	S								
|	Cl								
|	K	99.96							
|	Ca	98.483							
|>	Sc	106.523							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	99.922
|	Mn	
|	Fe	100.432
|	Fe	102.956
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	103.282
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	105.849
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	105.281
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.18
Sample Date/Time Thursday August 25 2011 9:32:00
Autosampl Position: 117
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.18.18311
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9904.065		ug/L						
Be	9	-0.006443	5.333	ug/L	0.002					
B	10	6.870969	866.383	ug/L	0.61					
B	11	7.054222	4218.021	ug/L	0.093					
C	12	2763469.964		ug/L						
Na	23	7869.388415	65712703	ug/L	197.699					
Mg	24	3614.785882	20277697	ug/L	52.354					
Mg	25	3604.394361	2835559	ug/L	120.294					
Al	27	0.376823	10079.93	ug/L	0.06					
Si	28	27524896.78		ug/L						
P	31	-14.840439	14846.93	ug/L	1.391					
S	32	86911034.81		ug/L						
Cl	35	185018.83		ug/L						
K	39	1879.730146	21841045	ug/L	81.554					
Ca	44	12014.45516	4486760	ug/L	321.184					
Sc	45	211201.86		ug/L						
Ti	47	1.006263	1194.424	ug/L	0.019					
Ti	48	10.06207	95593.79	ug/L	0.221					
V	51	-2.387641	11105.9	ug/L	0.054					
ClO	51	11163.634		ug/L						
Cr	52	-0.155183	7850.893	ug/L	0.032					
Cr	53	-7.915329	3390.333	ug/L	0.169					
Fe	54	-54.145287	83955.87	ug/L	2.717					
Mn	55	-0.001739	1906.886	ug/L	0.004					
Fe	56	-27.198403	2893055	ug/L	5.995					
Fe	57	22.209275	17094.46	ug/L	1.956					
Co	59	0.069629	996.731	ug/L	0.003					
Ni	60	3.589134	10476.81	ug/L	0.08					
Ni	62	3.390561	1557.149	ug/L	0.14					
Cu	63	0.278449	1966.232	ug/L	0.005					
Zn	64	1.439793	5500.986	ug/L	0.051					
Cu	65	0.248059	842.714	ug/L	0.011					
Zn	66	1.110323	2657.082	ug/L	0.071					
Zn	68	1.312042	2257.636	ug/L	0.023					
Ge	72	177826.387		ug/L						
As	75	0.274946	617.059	ug/L	0.039					
Se	74	50.741179	17770.34	mg/L	0.921					
ArCl	77	243.672		ug/L						

Br	79	10014.949	ug/L						
Br	81	34561.25	ug/L						
Y	89	482730.497	ug/L						
Mo	95	0.227426	1346.78	ug/L	0.021				
Rh	103	457935.376	ug/L						
Ag	107	0.049657	1183.089	ug/L	0.008				
Ag	109	0.050833	1155.419	ug/L	0.008				
Cd	111	0.009171	54.001	ug/L	0.001				
Cd	114	0.009169	121.335	ug/L	0.002				
In	115	593127.094	ug/L						
Sb	121	0.054537	1957.23	ug/L	0.007				
Sb	123	0.057364	1489.41	ug/L	0.002				
Ba	137	3.112296	18906.5	ug/L	0.022				
Ba	138	3.174299	123378.8	ug/L	0.01				
Tb	159	779630.614	ug/L						
Ho	165	775439.48	ug/L						
Hg	200	0.002753	23.667	ug/L	0.001				
Hg	202	0.000477	26.667	ug/L	0.001				
Tl	205	0.010009	811.711	ug/L	0				
Pb	208	0.012792	1368.387	ug/L	0				
Bi	209	457457.907	ug/L						
Se	77	-3.720171	240.003	mg/L	0				
Se	78	2.561886	15841.03	mg/L	0.054				
Se	82	0.257023	36.071	mg/L	0.128				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	118.001							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	104.591
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	104.66
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.007
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.18 MS
Sample Date/Time Thursday August 25 2011 9:38:47
Autosampl Position: 118
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D MS.18312
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10017.519		ug/L						
Be	9	761.548831	352809.1	ug/L	3.89					
B	10	6.380747	827.713	ug/L	0.279					
B	11	6.238631	3856.523	ug/L	0.171					
C	12	3151645.873		ug/L						
Na	23	16565.06006	1.41E+08	ug/L	324.471					
Mg	24	12769.21407	72825972	ug/L	1.342					
Mg	25	12743.98422	10195208	ug/L	25.115					
Al	27	9665.860447	82819855	ug/L	121.822					
Si	28	25778115.01		ug/L						
P	31	8918.602475	3893820	ug/L	57.231					
S	32	89003508.06		ug/L						
Cl	35	2343963.264		ug/L						
K	39	11660.03557	1.33E+08	ug/L	62.195					
Ca	44	20066.36847	7593317	ug/L	51.256					
Sc	45	214696.468		ug/L						
Ti	47	24.634103	23991.19	ug/L	0.312					
Ti	48	18.120609	177158.1	ug/L	1.752					
V	51	872.901609	11073649	ug/L	9.586					
ClO	51	11285146.76		ug/L						
Cr	52	845.539017	9040949	ug/L	7.771					
Cr	53	800.135151	1031049	ug/L	19.21					
Fe	54	9247.901752	7579487	ug/L	58.431					
Mn	55	856.633369	14616584	ug/L	21.467					
Fe	56	9535.16098	1.39E+08	ug/L	149.971					
Fe	57	9717.106053	3345385	ug/L	40.696					
Co	59	845.181958	10886478	ug/L	13.998					
Ni	60	767.931057	2257135	ug/L	16.126					
Ni	62	761.73037	341071.5	ug/L	18.819					
Cu	63	801.267196	5118590	ug/L	11.417					
Zn	64	857.181447	2475347	ug/L	15.807					
Cu	65	801.630471	2442655	ug/L	11.072					
Zn	66	830.797622	1407881	ug/L	22.42					
Zn	68	823.981229	999557.5	ug/L	24.004					
Ge	72	171062.851		ug/L						
As	75	1048.257686	1772601	ug/L	9.153					
Se	74	1440.579659	30997.65	mg/L	181.261					
ArCl	77	142964.451		ug/L						

Br	79	15116.041	ug/L						
Br	81	39786.606	ug/L						
Y	89	464980.31	ug/L						
Mo	95	1044.19456	4691499	ug/L	26.493				
Rh	103	447562.098	ug/L						
Ag	107	616.620717	7796441	ug/L	0.235				
Ag	109	601.789883	7363285	ug/L	8.959				
Cd	111	1024.942542	3314889	ug/L	4.707				
Cd	114	1039.873557	7887661	ug/L	15.208				
In	115	574516.939	ug/L						
Sb	121	1066.271564	10997017	ug/L	20.718				
Sb	123	1059.740811	8396483	ug/L	24.357				
Ba	137	1018.177819	5974767	ug/L	13.825				
Ba	138	1031.455224	38736356	ug/L	20.195				
Tb	159	766710.579	ug/L						
Ho	165	750191.006	ug/L						
Hg	200	1.045087	2732.105	ug/L	0.011				
Hg	202	1.003316	3452.357	ug/L	0.038				
Tl	205	999.154569	33646933	ug/L	37.785				
Pb	208	985.807759	45990972	ug/L	30.043				
Bi	209	485557.289	ug/L						
Se	77	1106.565916	140320	mg/L	4.948				
Se	78	1119.730687	470050.4	mg/L	18.572				
Se	82	1107.03569	205125.6	mg/L	21.405				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	119.953							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.613
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	101.376
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.621
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.18 MSD
Sample Date/Time Thursday August 25 2011 9:45:34
Autosampl Position: 119
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D MSD.18313
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9718.526		ug/L						
Be	9	744.506777	346814.1	ug/L	20.556					
B	10	6.375327	832.046	ug/L	0.037					
B	11	6.211035	3863.526	ug/L	0.202					
C	12	3267527.799		ug/L						
Na	23	16976.51581	1.45E+08	ug/L	200.226					
Mg	24	12819.78827	73519553	ug/L	280.001					
Mg	25	12741.88016	10253406	ug/L	93.025					
Al	27	9716.734245	83699577	ug/L	465.623					
Si	28	26463361.16		ug/L						
P	31	9227.400811	4050964	ug/L	11.993					
S	32	92532218.11		ug/L						
Cl	35	2368370.417		ug/L						
K	39	11755.70612	1.35E+08	ug/L	134.594					
Ca	44	20869.94757	7942770	ug/L	350.48					
Sc	45	215937.763		ug/L						
Ti	47	23.922939	23432.73	ug/L	0.89					
Ti	48	16.803022	164800.8	ug/L	2.952					
V	51	890.329286	11358224	ug/L	12.55					
ClO	51	11568845.39		ug/L						
Cr	52	871.863324	9373435	ug/L	26.444					
Cr	53	819.525617	1061832	ug/L	9.61					
Fe	54	9622.558868	7925745	ug/L	163.342					
Mn	55	875.491102	15022949	ug/L	21.527					
Fe	56	9804.732844	1.43E+08	ug/L	88.274					
Fe	57	9907.449783	3429593	ug/L	201.337					
Co	59	863.774841	11189288	ug/L	15.109					
Ni	60	791.914284	2341175	ug/L	6.51					
Ni	62	769.908848	346695.6	ug/L	16.847					
Cu	63	822.212731	5281765	ug/L	20.627					
Zn	64	871.213316	2529991	ug/L	21.576					
Cu	65	812.575535	2490094	ug/L	13.059					
Zn	66	838.910935	1429608	ug/L	25.214					
Zn	68	831.568783	1014464	ug/L	22.863					
Ge	72	172684.699		ug/L						
As	75	1059.731084	1809146	ug/L	5.266					
Se	74	1385.190149	30748.98	mg/L	113.24					
ArCl	77	145846.724		ug/L						

Br	79	15935.449	ug/L						
Br	81	42017.313	ug/L						
Y	89	484761.576	ug/L						
Mo	95	1072.645388	4866114	ug/L	23.096				
Rh	103	451447.626	ug/L						
Ag	107	727.655764	9421580	ug/L	40.836				
Ag	109	715.168457	8963290	ug/L	0.903				
Cd	111	1049.10858	3475558	ug/L	8.456				
Cd	114	1053.162335	8182539	ug/L	8.806				
In	115	588459.718	ug/L						
Sb	121	1088.047559	11494227	ug/L	30.174				
Sb	123	1089.573355	8841981	ug/L	14.627				
Ba	137	1028.626999	6182601	ug/L	13.27				
Ba	138	1039.012018	39968415	ug/L	12.207				
Tb	159	763353.697	ug/L						
Ho	165	756881.036	ug/L						
Hg	200	1.041732	2746.776	ug/L	0.024				
Hg	202	1.01592	3528.053	ug/L	0.02				
Tl	205	1026.739569	34899886	ug/L	16.011				
Pb	208	1008.291611	47476325	ug/L	13.414				
Bi	209	492376.252	ug/L						
Se	77	1145.393382	145218.7	mg/L	1.837				
Se	78	1152.308574	483295.7	mg/L	16.092				
Se	82	1132.776391	209895.5	mg/L	6.411				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	120.647							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.567
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.836
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.518
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 9:52:22
Autosampl Position: 120
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18314
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9408.867		ug/L						
Be	9	0.03806	23	ug/L	0.01					
B	10	1.279087	238.339	ug/L	0.194					
B	11	1.314576	1106.078	ug/L	0.047					
C	12	501212.63		ug/L						
Na	23	17.89002	212431	ug/L	0.162					
Mg	24	3.340972	17785.86	ug/L	0.249					
Mg	25	3.392701	2493.926	ug/L	0.29					
Al	27	10.636488	86649.63	ug/L	0.22					
Si	28	110306.152		ug/L						
P	31	6.956836	21681.33	ug/L	1.967					
S	32	86220259.6		ug/L						
Cl	35	10735917.41		ug/L						
K	39	13.784734	911997.5	ug/L	2.613					
Ca	44	1.854958	36111.88	ug/L	3.961					
Sc	45	189539.607		ug/L						
Ti	47	0.114845	313.342	ug/L	0.019					
Ti	48	0.254584	-209.715	ug/L	0.008					
V	51	-0.347427	32741.87	ug/L	0.04					
ClO	51	33621.068		ug/L						
Cr	52	0.129187	9731.989	ug/L	0.022					
Cr	53	-1.027094	10779.83	ug/L	0.076					
Fe	54	52.484681	151212.1	ug/L	0.401					
Mn	55	0.139618	3841.517	ug/L	0					
Fe	56	48.947027	3552760	ug/L	4.717					
Fe	57	34.040091	18918.22	ug/L	0.662					
Co	59	0.052962	705.701	ug/L	0.006					
Ni	60	0.263446	774.374	ug/L	0					
Ni	62	0.237384	151.669	ug/L	0.027					
Cu	63	0.550744	3299.3	ug/L	0.045					
Zn	64	6.888434	18819.36	ug/L	0.247					
Cu	65	0.551782	1573.152	ug/L	0.04					
Zn	66	7.001454	11194	ug/L	0.204					
Zn	68	6.688619	7781.073	ug/L	0.051					
Ge	72	174615.742		ug/L						
As	75	0.468547	940.801	ug/L	0.094					
Se	74	117.790955	18127.51	mg/L	211.389					
ArCl	77	1025.068		ug/L						

Br	79	1946.895	ug/L						
Br	81	29400.425	ug/L						
Y	89	499376.775	ug/L						
Mo	95	3.699307	17259.82	ug/L	0.667				
Rh	103	484441.759	ug/L						
Ag	107	4.980238	68169.47	ug/L	0.195				
Ag	109	4.907691	65019	ug/L	0.025				
Cd	111	0.065958	253.339	ug/L	0.01				
Cd	114	0.063913	572.024	ug/L	0.01				
In	115	616974.522	ug/L						
Sb	121	9.886532	110871.1	ug/L	1.831				
Sb	123	9.982402	85952.57	ug/L	1.69				
Ba	137	0.158536	1051.739	ug/L	0.028				
Ba	138	0.163525	6903.283	ug/L	0.03				
Tb	159	803019.729	ug/L						
Ho	165	773302.975	ug/L						
Hg	200	0.016456	60.334	ug/L	0				
Hg	202	0.013742	73.334	ug/L	0.002				
Tl	205	0.082374	3322.641	ug/L	0.004				
Pb	208	0.20495	10607.87	ug/L	0.019				
Bi	209	537065.771	ug/L						
Se	77	2.198373	986.72	mg/L	0.09				
Se	78	5.430615	17007.37	mg/L	0.232				
Se	82	1.124406	196.8	mg/L	0.191				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.898							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.703
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	108.868
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.721
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 9:59:09
Autosampl Position: 121
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18315
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9598.398		ug/L						
Be	9	0.002855	8.667	ug/L	0					
B	10	0.182301	133.669	ug/L	0.003					
B	11	0.338848	657.03	ug/L	0.071					
C	12	460511.633		ug/L						
Na	23	-1.137413	70707.69	ug/L	0.091					
Mg	24	1.391601	8057.708	ug/L	0.02					
Mg	25	1.490522	1163.524	ug/L	0.065					
Al	27	4.285093	39004.05	ug/L	0.047					
Si	28	86070.797		ug/L						
P	31	8.104792	22353.03	ug/L	1.377					
S	32	90128896.02		ug/L						
Cl	35	9013067.726		ug/L						
K	39	-1.08451	770866.4	ug/L	0.036					
Ca	44	-24.016467	27795.21	ug/L	2.646					
Sc	45	191461.988		ug/L						
Ti	47	0.04325	255.006	ug/L	0.009					
Ti	48	0.190431	-780.523	ug/L	0.001					
V	51	-0.496085	31388.43	ug/L	0.106					
ClO	51	32533.136		ug/L						
Cr	52	0.110514	9650.759	ug/L	0.016					
Cr	53	-1.489811	10363.01	ug/L	0.121					
Fe	54	27.841453	135040.6	ug/L	0.439					
Mn	55	0.050196	2519.374	ug/L	0.004					
Fe	56	30.701656	3357282	ug/L	0.03					
Fe	57	14.805947	13220.93	ug/L	1.182					
Co	59	0.016277	291.008	ug/L	0.001					
Ni	60	0.072233	281.007	ug/L	0.001					
Ni	62	0.065712	84.668	ug/L	0.019					
Cu	63	0.129519	934.391	ug/L	0.001					
Zn	64	2.400517	7459.886	ug/L	0.091					
Cu	65	0.120036	416.347	ug/L	0.004					
Zn	66	2.454178	4440.129	ug/L	0.008					
Zn	68	2.416984	3241.277	ug/L	0.052					
Ge	72	176227.724		ug/L						
As	75	0.034214	192.334	ug/L	0.016					
Se	74	142.424061	18555.23	mg/L	52.638					
ArCl	77	875.718		ug/L						

Br	79	1930.224	ug/L						
Br	81	31802.186	ug/L						
Y	89	501923.561	ug/L						
Mo	95	0.957711	4715.27	ug/L	0.015				
Rh	103	493779.925	ug/L						
Ag	107	1.746373	24657.33	ug/L	0.062				
Ag	109	1.776959	24266.32	ug/L	0.115				
Cd	111	0.021241	99.668	ug/L	0.007				
Cd	114	0.019449	213.338	ug/L	0.001				
In	115	626888.683	ug/L						
Sb	121	2.300081	27334.33	ug/L	0.09				
Sb	123	2.303186	20986.2	ug/L	0.067				
Ba	137	0.046618	352.344	ug/L	0.001				
Ba	138	0.047885	2277.544	ug/L	0.001				
Tb	159	802170.336	ug/L						
Ho	165	780130.748	ug/L						
Hg	200	0.008366	39	ug/L	0.001				
Hg	202	0.004375	40.667	ug/L	0.001				
Tl	205	0.019885	1162.753	ug/L	0				
Pb	208	0.058235	3582.313	ug/L	0.002				
Bi	209	550557.259	ug/L						
Se	77	1.384545	884.043	mg/L	0.224				
Se	78	6.412443	17406.56	mg/L	0.496				
Se	82	0.327182	49.072	mg/L	0.295				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	106.972							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	103.651
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	110.617
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.636
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 10:05:56
Autosampl Position: 122
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18316
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9367.492		ug/L						
Be	9	0.0009	7.667	ug/L	0.003					
B	10	-0.360521	78.668	ug/L	0.077					
B	11	-0.165104	408.013	ug/L	0.061					
C	12	421333.765		ug/L						
Na	23	-5.56788	36219.04	ug/L	0.111					
Mg	24	0.4327	3100.843	ug/L	0.063					
Mg	25	0.556138	483.395	ug/L	0.002					
Al	27	0.315405	8441.428	ug/L	0.015					
Si	28	68141.216		ug/L						
P	31	-2.643486	17692.3	ug/L	2.192					
S	32	88448009.66		ug/L						
Cl	35	8297324.52		ug/L						
K	39	-3.290616	728408.8	ug/L	1.353					
Ca	44	-24.970381	26721.93	ug/L	5.996					
Sc	45	186359.433		ug/L						
Ti	47	-0.020656	194.671	ug/L	0.01					
Ti	48	0.088082	-1640.45	ug/L	0.017					
V	51	-0.483012	30687.68	ug/L	0.102					
ClO	51	31503.809		ug/L						
Cr	52	0.080515	9113.295	ug/L	0.025					
Cr	53	-1.496724	10074.35	ug/L	0.383					
Fe	54	15.115154	122394.6	ug/L	15.425					
Mn	55	-0.003733	1654.501	ug/L	0.003					
Fe	56	32.662828	3290176	ug/L	10.957					
Fe	57	8.062967	10857.57	ug/L	1.029					
Co	59	0.01054	219.338	ug/L	0.001					
Ni	60	0.010856	117.002	ug/L	0.003					
Ni	62	0.001412	57.334	ug/L	0.026					
Cu	63	0.028747	351.01	ug/L	0.005					
Zn	64	0.073245	1431.996	ug/L	0.01					
Cu	65	0.022258	146.669	ug/L	0					
Zn	66	0.102509	863.716	ug/L	0.014					
Zn	68	0.050319	664.698	ug/L	0.013					
Ge	72	176235.522		ug/L						
As	75	0.032907	188.862	ug/L	0.037					
Se	74	-45.536083	16575.64	mg/L	233.19					
ArCl	77	821.045		ug/L						

Br	79	1727.848	ug/L						
Br	81	29160.344	ug/L						
Y	89	495883.658	ug/L						
Mo	95	0.483628	2519.041	ug/L	0.021				
Rh	103	482405.613	ug/L						
Ag	107	0.614554	8818.375	ug/L	0.052				
Ag	109	0.609331	8461.369	ug/L	0.06				
Cd	111	0.010137	59.001	ug/L	0.001				
Cd	114	0.010488	135.669	ug/L	0.003				
In	115	611424.524	ug/L						
Sb	121	1.127743	13794.6	ug/L	0.012				
Sb	123	1.132859	10601.81	ug/L	0.018				
Ba	137	0.016951	158.336	ug/L	0.002				
Ba	138	0.013662	853.186	ug/L	0.002				
Tb	159	786228.045	ug/L						
Ho	165	765856.058	ug/L						
Hg	200	0.001472	20	ug/L	0				
Hg	202	0.000003	24.667	ug/L	0				
Tl	205	0.008029	733.704	ug/L	0				
Pb	208	0.022498	1813.756	ug/L	0.002				
Bi	209	541115.125	ug/L						
Se	77	0.475604	769.366	mg/L	0.404				
Se	78	4.287402	16542.57	mg/L	1.758				
Se	82	0.314983	46.811	mg/L	0.332				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	104.121							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	103.655
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	107.888
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.722
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.19
Sample Date/Time Thursday August 25 2011 10:12:43
Autosampl Position: 123
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.19.18317
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9765.242		ug/L						
Be	9	0.004087	10.333	ug/L	0.01					
B	10	6.178167	801.71	ug/L	0.41					
B	11	6.286233	3865.194	ug/L	0.153					
C	12	1926536.404		ug/L						
Na	23	7996.005289	67607311	ug/L	87.159					
Mg	24	3824.177235	21716203	ug/L	69.09					
Mg	25	3944.677117	3141358	ug/L	127.593					
Al	27	0.090921	7800.894	ug/L	0.194					
Si	28	28822470.91		ug/L						
P	31	-15.945807	14546.42	ug/L	1.925					
S	32	87233396.58		ug/L						
Cl	35	206980.316		ug/L						
K	39	1915.157469	22502476	ug/L	111.291					
Ca	44	14610.47368	5513734	ug/L	537.096					
Sc	45	213831.07		ug/L						
Ti	47	1.122018	1321.109	ug/L	0.027					
Ti	48	12.749863	123352.4	ug/L	0.311					
V	51	-2.291853	12433.31	ug/L	0.113					
ClO	51	12654.291		ug/L						
Cr	52	-0.055285	9010.988	ug/L	0.024					
Cr	53	-7.649949	3763.486	ug/L	0.351					
Fe	54	-54.000146	85091.36	ug/L	3.719					
Mn	55	2.184187	39055.1	ug/L	0.084					
Fe	56	-31.431909	2868559	ug/L	6.516					
Fe	57	30.977838	20291.32	ug/L	0.951					
Co	59	0.023611	418.347	ug/L	0.004					
Ni	60	0.940372	2852.143	ug/L	0.064					
Ni	62	0.542453	307.675	ug/L	0.059					
Cu	63	0.292774	2080.592	ug/L	0.015					
Zn	64	0.847802	3868.188	ug/L	0.024					
Cu	65	0.260757	891.053	ug/L	0.02					
Zn	66	0.384705	1466.133	ug/L	0.044					
Zn	68	0.668556	1509.14	ug/L	0.005					
Ge	72	177515.053		ug/L						
As	75	0.367992	779.345	ug/L	0.015					
Se	74	374.308068	21105.88	mg/L	197.325					
ArCl	77	271.007		ug/L						

Br	79	10653.012	ug/L						
Br	81	38228.272	ug/L						
Y	89	501270.316	ug/L						
Mo	95	0.361969	1971.567	ug/L	0.02				
Rh	103	469477.424	ug/L						
Ag	107	0.348038	5169.522	ug/L	0.021				
Ag	109	0.349265	5010.102	ug/L	0.043				
Cd	111	0.014164	72.001	ug/L	0				
Cd	114	0.010458	133.669	ug/L	0.002				
In	115	604327.885	ug/L						
Sb	121	0.278179	4421.454	ug/L	0.009				
Sb	123	0.289036	3450.468	ug/L	0.021				
Ba	137	2.471327	15300.35	ug/L	0.076				
Ba	138	2.516718	99688.28	ug/L	0.075				
Tb	159	778847.431	ug/L						
Ho	165	774143.715	ug/L						
Hg	200	0.001762	21	ug/L	0.001				
Hg	202	-0.001203	20.667	ug/L	0.001				
Tl	205	0.011708	869.384	ug/L	0.001				
Pb	208	0.023023	1858.425	ug/L	0.004				
Bi	209	460253.521	ug/L						
Se	77	-3.498234	268.004	mg/L	0.194				
Se	78	3.785902	16338.68	mg/L	0.134				
Se	82	0.477563	76.938	mg/L	0.379				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	119.47							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	104.408
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	106.636
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	103.833
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.1 MS
Sample Date/Time Thursday August 25 2011 10:19:31
Autosampl Position: 124
Sample Descriptior Aqtot post-digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: MS.18318
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10719.651		ug/L						
Be	9	713.247932	340129.1	ug/L	14.593					
B	10	4.52067	642.362	ug/L	0.378					
B	11	4.223355	2873.483	ug/L	0.058					
C	12	1121861.557		ug/L						
Na	23	19619.07296	1.71E+08	ug/L	976.167					
Mg	24	17359.19664	1.02E+08	ug/L	607.653					
Mg	25	17764.80422	14629069	ug/L	317.303					
Al	27	9069.09858	79967766	ug/L	389.41					
Si	28	32470314.88		ug/L						
P	31	8202.362813	3687030	ug/L	287.684					
S	32	90425353.71		ug/L						
Cl	35	9933803.331		ug/L						
K	39	13153.47352	1.55E+08	ug/L	212.842					
Ca	44	24796.19534	9646603	ug/L	839.631					
Sc	45	221048.008		ug/L						
Ti	47	23.328629	23409.02	ug/L	0.152					
Ti	48	18.436774	185855.5	ug/L	0.843					
V	51	852.819715	11137185	ug/L	20.834					
ClO	51	11292723.14		ug/L						
Cr	52	819.643289	9020762	ug/L	23.826					
Cr	53	780.924465	1036350	ug/L	11.813					
Fe	54	12597.81224	10577888	ug/L	457.501					
Mn	55	1325.854775	23287446	ug/L	31.475					
Fe	56	12499.74255	1.86E+08	ug/L	214.417					
Fe	57	12537.47542	4438314	ug/L	597.564					
Co	59	816.730466	10828008	ug/L	25.269					
Ni	60	743.759193	2250140	ug/L	23.426					
Ni	62	722.021169	332783.5	ug/L	21.215					
Cu	63	759.671804	4994947	ug/L	22.876					
Zn	64	774.981301	2303660	ug/L	24.052					
Cu	65	757.736779	2376725	ug/L	17.176					
Zn	66	757.559656	1321776	ug/L	11.905					
Zn	68	747.344746	933537.2	ug/L	6.804					
Ge	72	170782.604		ug/L						
As	75	997.650502	1684395	ug/L	7.762					
Se	74	947.335185	26044.17	mg/L	317.454					
ArCl	77	132311.614		ug/L						

Br	79	63845.98	ug/L						
Br	81	93207.575	ug/L						
Y	89	480434.858	ug/L						
Mo	95	1096.540448	4920210	ug/L	12.332				
Rh	103	439871.273	ug/L						
Ag	107	739.112256	9478499	ug/L	37.752				
Ag	109	740.970665	9197012	ug/L	13.146				
Cd	111	1007.678714	3306040	ug/L	10.791				
Cd	114	1012.164746	7788311	ug/L	17.78				
In	115	582808.362	ug/L						
Sb	121	1089.489895	11396585	ug/L	36.531				
Sb	123	1085.04153	8719297	ug/L	37.19				
Ba	137	1017.936208	6059649	ug/L	12.489				
Ba	138	1025.735938	39080303	ug/L	1.59				
Tb	159	750423.907	ug/L						
Ho	165	740035.069	ug/L						
Hg	200	0.986234	2543.715	ug/L	0.021				
Hg	202	0.97708	3318.972	ug/L	0.01				
Tl	205	1022.781207	33995639	ug/L	1.597				
Pb	208	1002.162999	46141603	ug/L	4.902				
Bi	209	509885.253	ug/L						
Se	77	1033.540144	131106.6	mg/L	5.822				
Se	78	1063.725989	447280.5	mg/L	23.127				
Se	82	1026.217328	190149.7	mg/L	1.137				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	123.502							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.448
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	102.839
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.259
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.1 MSD
Sample Date/Time Thursday August 25 2011 10:26:18
Autosampl Position: 125
Sample Descriptior Aqtot post-digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: MSD.18319
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10471.361		ug/L						
Be	9	707.880337	334996.6	ug/L	6.58					
B	10	4.303195	613.694	ug/L	0.138					
B	11	4.141786	2806.795	ug/L	0.146					
C	12	1113534.521		ug/L						
Na	23	19728.83092	1.71E+08	ug/L	764.087					
Mg	24	17652.14058	1.03E+08	ug/L	501.415					
Mg	25	17729.06383	14485799	ug/L	524.764					
Al	27	9426.634876	82503268	ug/L	205.51					
Si	28	32979774.57		ug/L						
P	31	8357.762642	3727888	ug/L	282.106					
S	32	91530594.05		ug/L						
Cl	35	10073694.61		ug/L						
K	39	13466.91393	1.57E+08	ug/L	18.827					
Ca	44	24720.70055	9544439	ug/L	693.07					
Sc	45	219319.616		ug/L						
Ti	47	22.502733	22412.49	ug/L	0.26					
Ti	48	18.342692	183371.3	ug/L	0.482					
V	51	859.158823	11133342	ug/L	22.884					
ClO	51	11428024.41		ug/L						
Cr	52	848.194153	9264225	ug/L	11.717					
Cr	53	789.966249	1040118	ug/L	8.097					
Fe	54	12759.02213	10631688	ug/L	178.434					
Mn	55	1368.68766	23855565	ug/L	28.354					
Fe	56	12880.54461	1.9E+08	ug/L	187.855					
Fe	57	12950.85877	4549886	ug/L	561.046					
Co	59	833.503846	10967044	ug/L	14.217					
Ni	60	761.694289	2287140	ug/L	8.062					
Ni	62	737.510991	337354.1	ug/L	11.626					
Cu	63	782.215075	5104108	ug/L	18.005					
Zn	64	787.431714	2322963	ug/L	15.013					
Cu	65	770.253573	2397362	ug/L	19.715					
Zn	66	758.509937	1313243	ug/L	8.919					
Zn	68	761.84996	944208.1	ug/L	11.91					
Ge	72	174894.477		ug/L						
As	75	985.519063	1703866	ug/L	12.496					
Se	74	799.203066	25142.28	mg/L	20.722					
ArCl	77	133358.347		ug/L						

Br	79	64385.447	ug/L						
Br	81	96879.582	ug/L						
Y	89	483165.808	ug/L						
Mo	95	1089.708921	5007110	ug/L	0.105				
Rh	103	453877.634	ug/L						
Ag	107	800.322076	10306501	ug/L	12.134				
Ag	109	749.625465	9342966	ug/L	35.272				
Cd	111	1009.598761	3325758	ug/L	0.082				
Cd	114	1023.19482	7905263	ug/L	1.574				
In	115	585150.273	ug/L						
Sb	121	1104.058803	11596921	ug/L	23.46				
Sb	123	1105.743396	8922571	ug/L	24.934				
Ba	137	1026.67998	6136460	ug/L	3.253				
Ba	138	1042.785554	39889628	ug/L	1.658				
Tb	159	752582.555	ug/L						
Ho	165	738846.422	ug/L						
Hg	200	0.99025	2550.05	ug/L	0.018				
Hg	202	0.976267	3310.969	ug/L	0.005				
Tl	205	1029.658723	34169361	ug/L	10.787				
Pb	208	1005.344373	46214502	ug/L	10.694				
Bi	209	507130.857	ug/L						
Se	77	1042.621503	132252.4	mg/L	6.748				
Se	78	1057.669492	444818.1	mg/L	8.419				
Se	82	1023.789191	189699.8	mg/L	6.418				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	122.536							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.867
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.252
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.099
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05 MS
Sample Date/Time Thursday August 25 2011 10:33:06
Autosampl Position: 126
Sample Description Aqtot post-digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D MS.18320
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9121.908		ug/L						
Be	9	650.688698	303327.4	ug/L	9.838					
B	10	184.259397	20411.09	ug/L	1.236					
B	11	181.846418	97327.53	ug/L	0.027					
C	12	1282023.309		ug/L						
Na	23	68980.89564	5.89E+08	ug/L	961.493					
Mg	24	26973.1156	1.55E+08	ug/L	264.11					
Mg	25	27411.35414	22065552	ug/L	78.013					
Al	27	9010.616468	77692819	ug/L	112.103					
Si	28	37373512.57		ug/L						
P	31	8405.767359	3693810	ug/L	7.73					
S	32	89225131.78		ug/L						
Cl	35	11609822.65		ug/L						
K	39	27274.69707	3.12E+08	ug/L	27.165					
Ca	44	50022.14959	18986384	ug/L	1331.556					
Sc	45	216029.994		ug/L						
Ti	47	25.032409	24528.29	ug/L	0.128					
Ti	48	39.740851	394465.8	ug/L	3.038					
V	51	848.365501	10831000	ug/L	8.582					
ClO	51	11040010.56		ug/L						
Cr	52	822.149616	8846186	ug/L	3.209					
Cr	53	768.512054	997117.4	ug/L	10.202					
Fe	54	23769.06786	19398640	ug/L	190.416					
Mn	55	2157.223894	37039108	ug/L	26.834					
Fe	56	24228.58951	3.5E+08	ug/L	223.36					
Fe	57	24726.40231	8550382	ug/L	280.787					
Co	59	804.345565	10425892	ug/L	0.689					
Ni	60	731.05338	2162401	ug/L	7.027					
Ni	62	713.580692	321541.6	ug/L	14.615					
Cu	63	747.353337	4804222	ug/L	6.384					
Zn	64	756.327875	2198088	ug/L	0.777					
Cu	65	742.655112	2277195	ug/L	3.553					
Zn	66	723.699108	1234311	ug/L	4.01					
Zn	68	721.353538	880738.8	ug/L	3.09					
Ge	72	165491.535		ug/L						
As	75	1066.224762	1744159	ug/L	23.954					
Se	74	120.072506	17191	mg/L	273.652					
ArCl	77	126095.769		ug/L						

Br	79	268958.921	ug/L						
Br	81	313489.666	ug/L						
Y	89	457628.923	ug/L						
Mo	95	1129.64166	4910787	ug/L	23.918				
Rh	103	428943.735	ug/L						
Ag	107	894.013585	11069311	ug/L	10.288				
Ag	109	833.950072	9992882	ug/L	9.246				
Cd	111	1014.834299	3214256	ug/L	10.221				
Cd	114	1024.970303	7614118	ug/L	3.283				
In	115	562629.309	ug/L						
Sb	121	1142.650567	11538897	ug/L	39.795				
Sb	123	1141.80459	8857945	ug/L	33.895				
Ba	137	1202.07193	6907943	ug/L	22.21				
Ba	138	1201.35444	44184781	ug/L	20.137				
Tb	159	754979.106	ug/L						
Ho	165	739512.081	ug/L						
Hg	200	1.00511	2590.395	ug/L	0.005				
Hg	202	0.996954	3383.663	ug/L	0.009				
Tl	205	982.628949	32637607	ug/L	14.216				
Pb	208	965.578539	44426043	ug/L	8.215				
Bi	209	470755.802	ug/L						
Se	77	988.204355	125386.8	mg/L	9.546				
Se	78	988.314402	416620.3	mg/L	9.962				
Se	82	971.119662	179940	mg/L	13.248				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	120.698							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.336
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.278
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.188
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05 MSD
Sample Date/Time Thursday August 25 2011 10:39:53
Autosampl Position: 127
Sample Descriptior Aqtot post-digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: MSD.18321
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8741.535		ug/L						
Be	9	612.251602	289533.7	ug/L	16.85					
B	10	177.948221	20001.51	ug/L	3.915					
B	11	173.771064	94372.3	ug/L	4.933					
C	12	1241616.126		ug/L						
Na	23	65557.13815	5.68E+08	ug/L	1366.235					
Mg	24	26285.47853	1.53E+08	ug/L	589.719					
Mg	25	26409.06852	21568270	ug/L	179.328					
Al	27	8891.867101	77788075	ug/L	5.429					
Si	28	37224333.77		ug/L						
P	31	8408.375352	3748897	ug/L	11.078					
S	32	91875981.66		ug/L						
Cl	35	11467347.63		ug/L						
K	39	26318.51657	3.06E+08	ug/L	354.184					
Ca	44	48703.22976	18757601	ug/L	540.915					
Sc	45	219185.732		ug/L						
Ti	47	25.275208	25121.58	ug/L	0.658					
Ti	48	35.762155	359135.6	ug/L	11.953					
V	51	838.567916	10862307	ug/L	7.572					
ClO	51	11131940.42		ug/L						
Cr	52	807.14245	8810346	ug/L	20.847					
Cr	53	764.382299	1006256	ug/L	9.843					
Fe	54	23377.88085	19358849	ug/L	304.298					
Mn	55	2131.947019	37137935	ug/L	22.429					
Fe	56	23437.0558	3.43E+08	ug/L	661.417					
Fe	57	23900.04299	8385420	ug/L	66.643					
Co	59	805.099392	10587244	ug/L	10.388					
Ni	60	737.212413	2212159	ug/L	14.939					
Ni	62	705.109731	322312.2	ug/L	21.468					
Cu	63	739.047924	4820029	ug/L	6.152					
Zn	64	745.405715	2197698	ug/L	16.857					
Cu	65	733.425682	2281560	ug/L	10.127					
Zn	66	707.815092	1224747	ug/L	12.212					
Zn	68	711.004946	880679.1	ug/L	15.262					
Ge	72	166077.955		ug/L						
As	75	1058.105482	1737328	ug/L	10.811					
Se	74	462.213632	20597.46	mg/L	47.897					
ArCl	77	126391.471		ug/L						

Br	79	268898.325		ug/L		
Br	81	314280.498		ug/L		
Y	89	463735.311		ug/L		
Mo	95	1136.154871	4957201	ug/L	13.985	
Rh	103	432118.421		ug/L		
Ag	107	890.487016	11141442	ug/L	5.098	
Ag	109	902.515659	10927439	ug/L	6.557	
Cd	111	1018.069455	3258143	ug/L	10.953	
Cd	114	1027.634523	7713424	ug/L	10.73	
In	115	568508.294		ug/L		
Sb	121	1144.029594	11675230	ug/L	15.724	
Sb	123	1133.647912	8887624	ug/L	11.838	
Ba	137	1208.713406	7019033	ug/L	0.193	
Ba	138	1222.29701	45427805	ug/L	7.198	
Tb	159	759598.215		ug/L		
Ho	165	743526.123		ug/L		
Hg	200	1.008849	2614.069	ug/L	0.002	
Hg	202	0.992546	3386.998	ug/L	0.014	
Tl	205	988.593645	33012909	ug/L	16.427	
Pb	208	970.708717	44903620	ug/L	9.926	
Bi	209	473534.544		ug/L		
Se	77	985.817073	125085.6	mg/L	25.834	
Se	78	998.894648	420921.9	mg/L	12.819	
Se	82	971.20408	179955.6	mg/L	7.152	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	122.461							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.681
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.316
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.727
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 10:46:40
Autosampl Position: 128
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18322
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8255.747		ug/L						
Be	9	0.038439	22.334	ug/L	0.012					
B	10	0.390603	147.336	ug/L	0.165					
B	11	0.703497	793.376	ug/L	0.186					
C	12	410165.617		ug/L						
Na	23	3.087732	98284.99	ug/L	0.567					
Mg	24	1.343211	7480.491	ug/L	0.049					
Mg	25	1.552645	1156.856	ug/L	0.026					
Al	27	1.775445	18991.72	ug/L	0.037					
Si	28	72908.476		ug/L						
P	31	3.542226	19699.99	ug/L	3.981					
S	32	88920039.39		ug/L						
Cl	35	7958023.576		ug/L						
K	39	-0.588957	742966.8	ug/L	2.166					
Ca	44	-18.246571	28477.38	ug/L	2.091					
Sc	45	183394.451		ug/L						
Ti	47	-0.034325	180.337	ug/L	0.01					
Ti	48	0.089312	-1605.13	ug/L	0.008					
V	51	-0.159764	33704.05	ug/L	0.001					
ClO	51	34747.967		ug/L						
Cr	52	0.090356	9060.975	ug/L	0.002					
Cr	53	-0.407895	11101.22	ug/L	0.121					
Fe	54	23.018924	125964.5	ug/L	8.831					
Mn	55	0.096682	3090.89	ug/L	0.002					
Fe	56	35.011547	3267262	ug/L	6.657					
Fe	57	15.283089	12803.62	ug/L	0.743					
Co	59	0.045569	600.359	ug/L	0.007					
Ni	60	0.067054	255.34	ug/L	0.03					
Ni	62	0.054879	77.001	ug/L	0.001					
Cu	63	0.183122	1185.423	ug/L	0.035					
Zn	64	0.291915	1947.213	ug/L	0.03					
Cu	65	0.167063	520.687	ug/L	0.021					
Zn	66	0.267054	1088.076	ug/L	0.016					
Zn	68	0.220863	830.38	ug/L	0.018					
Ge	72	174243.355		ug/L						
As	75	0.366732	762.418	ug/L	0.08					
Se	74	-59.636673	16289.61	mg/L	116.593					
ArCl	77	851.715		ug/L						

Br	79	9124.695	ug/L						
Br	81	37336.592	ug/L						
Y	89	497276.957	ug/L						
Mo	95	1.922877	9077.312	ug/L	0.222				
Rh	103	492006.046	ug/L						
Ag	107	1.700266	24065.72	ug/L	0.012				
Ag	109	1.636371	22428.89	ug/L	0.085				
Cd	111	0.056816	225.672	ug/L	0.005				
Cd	114	0.052751	490.018	ug/L	0.008				
In	115	628056.088	ug/L						
Sb	121	6.561743	75408.84	ug/L	0.713				
Sb	123	6.566018	57927.56	ug/L	0.747				
Ba	137	0.065855	476.351	ug/L	0.005				
Ba	138	0.064496	2962.018	ug/L	0.022				
Tb	159	824439.456	ug/L						
Ho	165	789176.136	ug/L						
Hg	200	0.006772	35	ug/L	0.003				
Hg	202	0.009079	58.001	ug/L	0.001				
Tl	205	0.104447	4168.667	ug/L	0.013				
Pb	208	0.057069	3564.639	ug/L	0.004				
Bi	209	537626.123	ug/L						
Se	77	0.919505	825.371	mg/L	0.613				
Se	78	5.569532	17063.85	mg/L	1.038				
Se	82	1.006233	174.902	mg/L	0.429				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.464							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.484
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	110.823
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.85
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 10:53:28
Autosampl Position: 129
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18323
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8349.169		ug/L						
Be	9	0.031468	19.667	ug/L	0					
B	10	0.355458	144.336	ug/L	0.205					
B	11	0.616977	756.372	ug/L	0.088					
C	12	420171.681		ug/L						
Na	23	3.591797	102151	ug/L	0.576					
Mg	24	5.197978	26300.65	ug/L	0.342					
Mg	25	4.768665	3360.957	ug/L	0.05					
Al	27	29.705981	223879.1	ug/L	0.026					
Si	28	95647.095		ug/L						
P	31	9.570688	22012.27	ug/L	4.536					
S	32	90425353.71		ug/L						
Cl	35	8972050.792		ug/L						
K	39	2.044652	770197.7	ug/L	1.21					
Ca	44	-5.145037	32745.53	ug/L	6.247					
Sc	45	183771.175		ug/L						
Ti	47	0.058521	257.34	ug/L	0.009					
Ti	48	0.168797	-931.565	ug/L	0.021					
V	51	0.062716	36178.21	ug/L	0.022					
ClO	51	37786.429		ug/L						
Cr	52	0.164913	9760.062	ug/L	0.016					
Cr	53	0.330121	11928.94	ug/L	0.004					
Fe	54	30.038986	131120.1	ug/L	1.502					
Mn	55	0.097282	3106.228	ug/L	0					
Fe	56	38.178347	3312708	ug/L	5.774					
Fe	57	14.211602	12509.86	ug/L	2.782					
Co	59	0.045157	598.026	ug/L	0.002					
Ni	60	0.107874	359.344	ug/L	0.002					
Ni	62	0.099787	94.335	ug/L	0.011					
Cu	63	0.48378	2833.136	ug/L	0.017					
Zn	64	1.528716	5006.079	ug/L	0.072					
Cu	65	0.470396	1313.108	ug/L	0.017					
Zn	66	1.580998	2995.523	ug/L	0.011					
Zn	68	1.487387	2146.608	ug/L	0.008					
Ge	72	173907.665		ug/L						
As	75	0.131791	357.699	ug/L	0.07					
Se	74	139.169481	18276.71	mg/L	141.016					
ArCl	77	878.051		ug/L						

Br	79	4976.078	ug/L						
Br	81	34145.351	ug/L						
Y	89	502638.492	ug/L						
Mo	95	1.049388	5072.132	ug/L	0.013				
Rh	103	498092.961	ug/L						
Ag	107	0.745985	10973.07	ug/L	0.049				
Ag	109	0.736889	10490.84	ug/L	0.065				
Cd	111	0.047682	195.004	ug/L	0.006				
Cd	114	0.045947	437.348	ug/L	0.002				
In	115	633821.202	ug/L						
Sb	121	2.688822	32056.41	ug/L	0.043				
Sb	123	2.658522	24321.39	ug/L	0.051				
Ba	137	0.081824	584.025	ug/L	0.004				
Ba	138	0.075748	3456.515	ug/L	0.003				
Tb	159	813288.171	ug/L						
Ho	165	793299.904	ug/L						
Hg	200	0.008141	39	ug/L	0.001				
Hg	202	0.004502	41.667	ug/L	0.004				
Tl	205	0.070222	2972.185	ug/L	0.01				
Pb	208	0.101297	5764.782	ug/L	0.007				
Bi	209	533866.796	ug/L						
Se	77	0.465035	768.032	mg/L	0.179				
Se	78	4.881151	16783.98	mg/L	0.353				
Se	82	0.584376	96.731	mg/L	0.249				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.675							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge 102.286
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In 111.84
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho 106.403
| Hg
| Hg
| Tl
| Pb
|- Bi
Se
Se
Se

Sample ID: flush
Sample Date/Time Thursday August 25 2011 11:00:15
Autosampl Position: 130
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18324
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8302.456		ug/L						
Be	9	0.024293	17.334	ug/L	0.005					
B	10	-0.200005	95.335	ug/L	0.097					
B	11	-0.079764	455.016	ug/L	0.01					
C	12	403249.061		ug/L						
Na	23	-2.132392	62494.51	ug/L	0.833					
Mg	24	1.069642	6349.544	ug/L	0.206					
Mg	25	1.088303	866.795	ug/L	0.118					
Al	27	44.823888	345092.8	ug/L	1.239					
Si	28	81858.378		ug/L						
P	31	0.423898	19182.24	ug/L	4.789					
S	32	90566386.98		ug/L						
Cl	35	8075260.957		ug/L						
K	39	-4.456667	729001.4	ug/L	1.544					
Ca	44	-22.600916	27972.53	ug/L	6.405					
Sc	45	189470.152		ug/L						
Ti	47	-0.027726	192.004	ug/L	0.003					
Ti	48	0.089167	-1659.55	ug/L	0.021					
V	51	-0.183943	34551.22	ug/L	0.002					
ClO	51	35331.225		ug/L						
Cr	52	0.089048	9348.5	ug/L	0.012					
Cr	53	-0.562446	11296.79	ug/L	0.037					
Fe	54	16.929752	125868.7	ug/L	2.15					
Mn	55	0.044766	2411.011	ug/L	0.012					
Fe	56	25.786893	3260661	ug/L	1.086					
Fe	57	8.821731	11271.44	ug/L	1.059					
Co	59	0.02981	441.682	ug/L	0.005					
Ni	60	0.030093	168.67	ug/L	0.007					
Ni	62	0.044195	75.334	ug/L	0.001					
Cu	63	0.063123	550.022	ug/L	0.011					
Zn	64	0.10071	1525.188	ug/L	0.028					
Cu	65	0.064361	262.34	ug/L	0.001					
Zn	66	0.121886	907.388	ug/L	0.002					
Zn	68	0.08178	709.368	ug/L	0.02					
Ge	72	176850.347		ug/L						
As	75	0.124792	350.92	ug/L	0.046					
Se	74	-234.878763	14708.39	mg/L	130.767					
ArCl	77	797.043		ug/L						

Br	79	4292.389	ug/L			
Br	81	34301.605	ug/L			
Y	89	505326.883	ug/L			
Mo	95	0.384508	2068.923	ug/L	0.005	
Rh	103	502446.168	ug/L			
Ag	107	0.284517	4558.523	ug/L	0.015	
Ag	109	0.261457	4094.632	ug/L	0.018	
Cd	111	0.031788	139.002	ug/L	0.004	
Cd	114	0.030077	306.008	ug/L	0.004	
In	115	636249.086	ug/L			
Sb	121	1.132034	14401.55	ug/L	0.041	
Sb	123	1.125651	10967.17	ug/L	0.048	
Ba	137	0.038684	306.342	ug/L	0.009	
Ba	138	0.037681	1888.037	ug/L	0.004	
Tb	159	816967.974	ug/L			
Ho	165	797497.351	ug/L			
Hg	200	0.003605	26.667	ug/L	0.002	
Hg	202	-0.000738	23	ug/L	0	
Tl	205	0.038885	1871.547	ug/L	0.008	
Pb	208	0.034022	2462.49	ug/L	0.004	
Bi	209	549846.877	ug/L			
Se	77	0.73983	802.702	mg/L	0.06	
Se	78	5.185606	16907.76	mg/L	0.018	
Se	82	0.501006	81.282	mg/L	0.114	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.859							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	104.017
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	112.269
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	106.966
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	1						
Sample	Date/Time	Thursday	August	25	2011	11:06:57				
Autosampl	Position:	5								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	1.18325						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8417.23		ug/L						
Be	9	0.003217	8.667	ug/L	0.002					
B	10	-0.186709	96.001	ug/L	0.027					
B	11	-0.010515	484.018	ug/L	0.014					
C	12	404245.177		ug/L						
Na	23	-4.889241	41602.58	ug/L	0.289					
Mg	24	0.619018	4057.979	ug/L	0.035					
Mg	25	0.616028	530.068	ug/L	0.022					
Al	27	0.323361	8584.91	ug/L	0.002					
Si	28	72931.978		ug/L						
P	31	2.696986	19907.12	ug/L	2.702					
S	32	90583656.36		ug/L						
Cl	35	8184700.968		ug/L						
K	39	-4.86047	720058.7	ug/L	1.156					
Ca	44	-21.91721	28015.9	ug/L	0.962					
Sc	45	188175.607		ug/L						
Ti	47	-0.030501	188.337	ug/L	0.024					
Ti	48	0.089227	-1648.44	ug/L	0.005					
V	51	-0.189762	34251.09	ug/L	0.045					
ClO	51	35165.243		ug/L						
Cr	52	0.090974	9303.254	ug/L	0.011					
Cr	53	-0.522489	11264.76	ug/L	0.372					
Fe	54	18.770367	126312.8	ug/L	3.201					
Mn	55	0.003268	1774.525	ug/L	0.01					
Fe	56	23.985753	3215979	ug/L	2.443					
Fe	57	8.08796	10974.39	ug/L	2.177					
Co	59	0.006558	176.337	ug/L	0.004					
Ni	60	0.007356	109.002	ug/L	0.006					
Ni	62	0.009805	61.334	ug/L	0.029					
Cu	63	0.028865	354.677	ug/L	0.009					
Zn	64	0.062172	1417.61	ug/L	0.01					
Cu	65	0.030463	170.003	ug/L	0.009					
Zn	66	0.049734	794.043	ug/L	0.006					
Zn	68	0.034698	654.363	ug/L	0.03					
Ge	72	176999.984		ug/L						
As	75	0.092884	295.131	ug/L	0.05					
Se	74	359.784328	20883.69	mg/L	104.54					
ArCl	77	774.374		ug/L						

Br	79	3215.935	ug/L						
Br	81	32273.508	ug/L						
Y	89	505379.81	ug/L						
Mo	95	0.263571	1507.474	ug/L	0.029				
Rh	103	490155.379	ug/L						
Ag	107	0.243991	3899.889	ug/L	0.056				
Ag	109	0.229851	3582.419	ug/L	0.052				
Cd	111	0.006618	47.667	ug/L	0.003				
Cd	114	0.006446	105.002	ug/L	0.001				
In	115	622947.304	ug/L						
Sb	121	0.824191	10656.35	ug/L	0.048				
Sb	123	0.852248	8387.774	ug/L	0.054				
Ba	137	0.011825	128.669	ug/L	0.001				
Ba	138	0.011509	780.896	ug/L	0.003				
Tb	159	811028.771	ug/L						
Ho	165	792593.277	ug/L						
Hg	200	0.003298	25.667	ug/L	0.002				
Hg	202	-0.000886	22.334	ug/L	0.001				
Tl	205	0.010412	843.048	ug/L	0.004				
Pb	208	0.012572	1387.055	ug/L	0.003				
Bi	209	550852.007	ug/L						
Se	77	-0.612996	632.022	mg/L	0.329				
Se	78	5.153439	16894.68	mg/L	0.152				
Se	82	0.16494	19.008	mg/L	0.017				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.136							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	104.105
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	109.921
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	106.308
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Thursday August 25 2011 11:14:06
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 2.18326
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8645.443		ug/L						
Be	9	75.483907	31237.89	ug/L	0.049					
B	10	86.540421	8569.79	ug/L	0.842					
B	11	85.719833	40982.59	ug/L	1.104					
C	12	412639.503		ug/L						
Na	23	91.869319	775143.8	ug/L	2.285					
Mg	24	100.772004	514237.8	ug/L	0.659					
Mg	25	98.570436	70522.93	ug/L	2.496					
Al	27	100.808535	777650	ug/L	1.248					
Si	28	266983.364		ug/L						
P	31	1.11928	19673.3	ug/L	4.019					
S	32	87878120.11		ug/L						
Cl	35	8284867.183		ug/L						
K	39	1043.128367	11357263	ug/L	18.789					
Ca	44	83.916074	64121.76	ug/L	2.727					
Sc	45	191735.505		ug/L						
Ti	47	103.128548	89007.5	ug/L	0.773					
Ti	48	105.314747	931956.9	ug/L	0.46					
V	51	101.637515	1184287	ug/L	0.088					
ClO	51	1210326.634		ug/L						
Cr	52	101.579843	977619.2	ug/L	0.881					
Cr	53	101.314852	127151	ug/L	0.027					
Fe	54	132.834115	210775.4	ug/L	7.188					
Mn	55	101.358581	1546296	ug/L	0.945					
Fe	56	125.40526	4563867	ug/L	0.999					
Fe	57	109.110974	42151.71	ug/L	2.157					
Co	59	103.483854	1190598	ug/L	0.084					
Ni	60	99.35915	260921.7	ug/L	0.149					
Ni	62	97.675152	39114.69	ug/L	0.854					
Cu	63	102.431941	584591.3	ug/L	0.898					
Zn	64	94.66635	245308.5	ug/L	0.86					
Cu	65	105.147211	286233.2	ug/L	0.835					
Zn	66	95.265323	144846.1	ug/L	1.657					
Zn	68	94.842056	103322.2	ug/L	0.357					
Ge	72	176689.908		ug/L						
As	75	110.109836	192452.1	ug/L	1.121					
Se	74	137.482764	18547.95	mg/L	184.434					
ArCl	77	14875.309		ug/L						

Br	79	2585.393	ug/L		
Br	81	32010.913	ug/L		
Y	89	503966.998	ug/L		
Mo	95	107.558347	499586.5	ug/L	2.448
Rh	103	487933.892	ug/L		
Ag	107	60.309267	834645.4	ug/L	2.258
Ag	109	58.953198	789672	ug/L	0.804
Cd	111	105.538197	373441.1	ug/L	1.899
Cd	114	104.068352	863699.7	ug/L	0.848
In	115	628559.045	ug/L		
Sb	121	98.316861	1110341	ug/L	5.619
Sb	123	98.471241	854241.3	ug/L	6.813
Ba	137	106.072718	681102.5	ug/L	0.818
Ba	138	109.155112	4485441	ug/L	0.639
Tb	159	810380.211	ug/L		
Ho	165	788779.704	ug/L		
Hg	200	0.983362	2703.429	ug/L	0.018
Hg	202	0.985878	3569.07	ug/L	0.027
Tl	205	107.953356	3824799	ug/L	1.941
Pb	208	104.961869	5151660	ug/L	0.451
Bi	209	570224.284	ug/L		
Se	77	108.317879	14375.36	mg/L	1.692
Se	78	118.222453	62865.36	mg/L	0.758
Se	82	109.814589	20337.43	mg/L	0.457

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	74.737							
|	B	86.282							
|	B	85.463							
|	C								
|	Na	90.69							
|	Mg	99.774							
|	Mg	97.594							
|	Al	100.407							
|	Si								
|	P								
|	S								
|	Cl								
|	K	104.001							
|	Ca	83.168							
|>	Sc	107.125							
|	Ti	103.129							
|	Ti	105.315							
|	V	101.233							
|	ClO								
|	Cr	100.574							

|	Cr	100.312
|	Fe	132.042
|	Mn	100.955
|	Fe	124.657
|	Fe	108.46
|	Co	102.867
|	Ni	98.571
|	Ni	96.9
|	Cu	102.534
|	Zn	94.008
|	Cu	105.252
|	Zn	94.603
|-	Zn	94.183
|>	Ge	103.923
|	As	110.774
|	Se	137.208
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	107.237
|-	Rh	
|	Ag	59.831
|	Ag	58.485
|	Cd	105.013
|	Cd	103.551
|>	In	110.912
|	Sb	98.023
|	Sb	98.177
|	Ba	105.335
|-	Ba	108.396
|-	Tb	
|>	Ho	105.797
|	Hg	98.336
|	Hg	98.588
|	Tl	107.953
|	Pb	104.962
|-	Bi	
	Se	108.102
	Se	117.986
	Se	109.595

Sample	ID:	QC	Std	5						
Sample	Date/Time	Thursday	August	25	2011	11:21:15				
Autosampl	Position:	7								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	5.18327						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8395.877	ug/L							
Be	9	32.805048	13322.56	ug/L	0.133					
B	10	141.596818	13683.43	ug/L	1.557					
B	11	140.117326	65408.55	ug/L	4.355					
C	12	418702.729	ug/L							
Na	23	-2.714484	57745.25	ug/L	0.081					
Mg	24	0.497791	3451.005	ug/L	0.089					
Mg	25	0.678128	573.409	ug/L	0.04					
Al	27	184.509179	1391222	ug/L	0.311					
Si	28	136494.427	ug/L							
P	31	3.268959	20117.58	ug/L	0.5					
S	32	88260924.71	ug/L							
Cl	35	7869068.964	ug/L							
K	39	-3.99124	728422.2	ug/L	0.188					
Ca	44	-16.771884	29701.41	ug/L	1.482					
Sc	45	188099.384	ug/L							
Ti	47	0.041779	249.339	ug/L	0.016					
Ti	48	0.143907	-1171.78	ug/L	0.017					
V	51	25.549106	319256.2	ug/L	0.312					
ClO	51	326750.375	ug/L							
Cr	52	50.935464	485129	ug/L	0.823					
Cr	53	49.974758	67530.23	ug/L	0.237					
Fe	54	218.949495	267562.7	ug/L	1.637					
Mn	55	109.470897	1638257	ug/L	1.876					
Fe	56	222.607884	5687471	ug/L	6.21					
Fe	57	193.114893	66616.54	ug/L	4.263					
Co	59	24.89984	281121.9	ug/L	0.071					
Ni	60	200.947456	517597.1	ug/L	0.631					
Ni	62	198.373558	77874.58	ug/L	1.834					
Cu	63	80.638637	451528.6	ug/L	0.507					
Zn	64	98.880747	251314.1	ug/L	0.187					
Cu	65	80.673379	215468.5	ug/L	1.94					
Zn	66	99.695655	148675.1	ug/L	0.885					
Zn	68	102.352107	109339.4	ug/L	1.708					
Ge	72	175855.324	ug/L							
As	75	46.765584	81428.75	ug/L	0.234					
Se	74	81.809484	17899.22	mg/L	122.709					
ArCl	77	22717.244	ug/L							

Br	79	2366.999	ug/L		
Br	81	30268.944	ug/L		
Y	89	489331.952	ug/L		
Mo	95	46.380036	214558.5	ug/L	0.323
Rh	103	491559.606	ug/L		
Ag	107	52.31335	720239.8	ug/L	0.138
Ag	109	52.45236	698850.6	ug/L	0.379
Cd	111	24.000341	84478.21	ug/L	0.443
Cd	114	23.837805	196794.5	ug/L	0.319
In	115	625151.536	ug/L		
Sb	121	52.601979	591578.9	ug/L	1.038
Sb	123	52.1265	450335.7	ug/L	0.871
Ba	137	148.289807	946867.5	ug/L	2.235
Ba	138	149.942021	6127582	ug/L	1.832
Tb	159	806251.662	ug/L		
Ho	165	792487.655	ug/L		
Hg	200	1.013193	2798.125	ug/L	0.003
Hg	202	0.98664	3588.744	ug/L	0.01
Tl	205	14.617586	520754.9	ug/L	0.156
Pb	208	106.59256	5256306	ug/L	0.214
Bi	209	546330.909	ug/L		
Se	77	175.001496	22788.54	mg/L	5.694
Se	78	180.642731	88243.69	mg/L	3.697
Se	82	170.484426	31579.74	mg/L	1.252

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	77.007							
|	B	88.498							
|	B	87.573							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	104.835							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.093							
|	Ti								
|	Ti								
|	V	102.607							
|	ClO								
|	Cr	103.527							

|	Cr	101.575
|	Fe	122.318
|	Mn	103.274
|	Fe	124.362
|	Fe	107.885
|	Co	106.866
|	Ni	98.504
|	Ni	97.242
|	Cu	103.118
|	Zn	94.172
|	Cu	103.163
|	Zn	94.948
|-	Zn	97.478
|>	Ge	103.432
|	As	118.694
|	Se	51.131
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	110.692
|-	Rh	
|	Ag	104.003
|	Ag	104.279
|	Cd	103.45
|	Cd	102.749
|>	In	110.31
|	Sb	113.123
|	Sb	112.1
|	Ba	105.17
|-	Ba	106.342
|-	Tb	
|>	Ho	106.294
|	Hg	101.319
|	Hg	98.664
|	Tl	102.941
|	Pb	102.493
|-	Bi	
	Se	109.376
	Se	112.902
	Se	106.553

Sample	ID:	QC	Std	6						
Sample	Date/Time	Thursday	August	25	2011	11:28:24				
Autosampl	Position:	8								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	6.18328						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8305.125		ug/L						
Be	9	0.01035	11.333	ug/L	0.017					
B	10	0.423528	152.003	ug/L	0.236					
B	11	0.509758	714.035	ug/L	0.071					
C	12	406816.511		ug/L						
Na	23	10015.20791	73404568	ug/L	134.458					
Mg	24	10011.69038	49301378	ug/L	154.891					
Mg	25	10023.6771	6922353	ug/L	122.162					
Al	27	10494.40935	77639587	ug/L	82.281					
Si	28	76014.049		ug/L						
P	31	10000.56499	3767230	ug/L	65.731					
S	32	84622841.92		ug/L						
Cl	35	1798943.686		ug/L						
K	39	10436.04415	1.03E+08	ug/L	95.541					
Ca	44	10384.2513	3408846	ug/L	104.765					
Sc	45	185352.056		ug/L						
Ti	47	28.692581	24090.45	ug/L	0.162					
Ti	48	8.627385	71608.68	ug/L	0.03					
V	51	-1.613499	18194.71	ug/L	0.071					
ClO	51	18819.985		ug/L						
Cr	52	0.091491	9164.379	ug/L	0.052					
Cr	53	-5.328116	5817.252	ug/L	0.139					
Fe	54	10662.82885	7527300	ug/L	113.093					
Mn	55	0.064093	2644.078	ug/L	0					
Fe	56	10647.42979	1.33E+08	ug/L	472.572					
Fe	57	10721.52713	3184937	ug/L	326.036					
Co	59	0.040213	548.022	ug/L	0					
Ni	60	0.33814	946.392	ug/L	0.021					
Ni	62	0.059682	79.668	ug/L	0.005					
Cu	63	0.258523	1615.826	ug/L	0.004					
Zn	64	0.727912	3054.802	ug/L	0.023					
Cu	65	0.160778	510.353	ug/L	0.002					
Zn	66	0.636359	1639.498	ug/L	0.043					
Zn	68	0.533615	1166.753	ug/L	0.007					
Ge	72	173140.025		ug/L						
As	75	0.183988	445.228	ug/L	0.001					
Se	74	-283.245114	13882.76	mg/L	469.696					
ArCl	77	434.681		ug/L						

Br	79	1723.514	ug/L		
Br	81	27790.023	ug/L		
Y	89	481990.432	ug/L		
Mo	95	0.347974	1857.876	ug/L	0.05
Rh	103	452145.481	ug/L		
Ag	107	0.372667	5465.039	ug/L	0.04
Ag	109	0.360171	5124.838	ug/L	0.043
Cd	111	0.014688	73.334	ug/L	0.005
Cd	114	0.015545	173.337	ug/L	0.001
In	115	600207.478	ug/L		
Sb	121	1.094219	13183.04	ug/L	0.075
Sb	123	1.097239	10114.66	ug/L	0.073
Ba	137	0.063525	441.015	ug/L	0.001
Ba	138	0.064096	2816.892	ug/L	0.002
Tb	159	787250.501	ug/L		
Ho	165	770446.29	ug/L		
Hg	200	0.015191	56.667	ug/L	0.003
Hg	202	0.010872	63.001	ug/L	0.001
Tl	205	0.012665	897.387	ug/L	0.004
Pb	208	0.055056	3384.951	ug/L	0.002
Bi	209	520306.046	ug/L		
Se	77	-2.800715	356.007	mg/L	0.314
Se	78	4.119405	16474.27	mg/L	0.61
Se	82	0.197769	25.091	mg/L	0.159

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	100.152							
|	Mg	100.117							
|	Mg	100.237							
|	Al	104.944							
|	Si								
|	P	100.006							
|	S								
|	Cl								
|	K	104.36							
|	Ca	103.843							
|>	Sc	103.558							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	106.628
	Mn	
	Fe	106.474
	Fe	107.215
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.835
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	105.909
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.338
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: TCLP Filter Blank
Sample Date/Time Thursday August 25 2011 11:42:23
Autosampl Position: 131
Sample Description 0.111111111
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D Filter Blank.18329
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8697.493		ug/L						
Be	9	0.00194	8	ug/L	0.005					
B	10	0.911285	197.671	ug/L	0.233					
B	11	0.902897	891.386	ug/L	0.01					
C	12	428823.029		ug/L						
Na	23	24.771535	257416.1	ug/L	0.668					
Mg	24	0.617419	3977.938	ug/L	0.077					
Mg	25	0.615354	520.067	ug/L	0.153					
Al	27	1.910806	20144.31	ug/L	0.018					
Si	28	87208.375		ug/L						
P	31	1.535339	19122	ug/L	0.333					
S	32	86548377.82		ug/L						
Cl	35	11519668.44		ug/L						
K	39	15.372171	905084.8	ug/L	0.016					
Ca	44	-9.301924	31608.03	ug/L	2.697					
Sc	45	184851.11		ug/L						
Ti	47	-0.028941	186.337	ug/L	0.008					
Ti	48	0.093409	-1583.4	ug/L	0.012					
V	51	0.225855	38166.68	ug/L	0.087					
ClO	51	39148.871		ug/L						
Cr	52	0.067191	8919.902	ug/L	0.01					
Cr	53	1.188566	12938	ug/L	0.55					
Fe	54	8.0839	116669.2	ug/L	1.097					
Mn	55	-0.030577	1246.098	ug/L	0					
Fe	56	23.614033	3154602	ug/L	1.975					
Fe	57	5.740012	10086.6	ug/L	1.207					
Co	59	0.000582	107.002	ug/L	0.001					
Ni	60	0.028659	161.003	ug/L	0.001					
Ni	62	0.015255	62.334	ug/L	0.009					
Cu	63	0.109753	793.376	ug/L	0					
Zn	64	2.312041	6983.737	ug/L	0.03					
Cu	65	0.102621	356.344	ug/L	0.001					
Zn	66	2.393898	4198.678	ug/L	0.059					
Zn	68	2.304313	3012.196	ug/L	0.057					
Ge	72	173854.741		ug/L						
As	75	0.019413	164.266	ug/L	0.005					
Se	74	168.236048	18553.29	mg/L	316.052					
ArCl	77	965.394		ug/L						

Br	79	2978.185	ug/L						
Br	81	29704.749	ug/L						
Y	89	496795.495	ug/L						
Mo	95	0.076819	628.695	ug/L	0.001				
Rh	103	483067.674	ug/L						
Ag	107	0.164434	2737.106	ug/L	0.006				
Ag	109	0.162969	2625.405	ug/L	0.003				
Cd	111	0.003266	35	ug/L	0.001				
Cd	114	0.002474	70.334	ug/L	0.001				
In	115	605456.443	ug/L						
Sb	121	0.265592	4292.057	ug/L	0.015				
Sb	123	0.278847	3369.477	ug/L	0.004				
Ba	137	1.659928	10317.96	ug/L	0.015				
Ba	138	1.685473	67015.87	ug/L	0.001				
Tb	159	792453.218	ug/L						
Ho	165	775689.791	ug/L						
Hg	200	0.005696	31.667	ug/L	0.003				
Hg	202	0.001697	31	ug/L	0.001				
Tl	205	-0.000694	439.348	ug/L	0.001				
Pb	208	0.014368	1444.393	ug/L	0.001				
Bi	209	544455.033	ug/L						
Se	77	2.103252	974.719	mg/L	0.762				
Se	78	3.298676	16140.59	mg/L	0.167				
Se	82	0.237741	32.498	mg/L	0.003				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.278							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.255
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	106.835
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.041
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102530.01
Sample Date/Time Thursday August 25 2011 11:49:10
Autosampl Position: 132
Sample Description Aq TCLP 0.111111
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102530.01.18330
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8661.458		ug/L						
Be	9	-0.000194	7.333	ug/L	0.004					
B	10	1.098817	220.672	ug/L	0.214					
B	11	1.114225	1011.4	ug/L	0.034					
C	12	430575.731		ug/L						
Na	23	5284.964794	39593672	ug/L	93.062					
Mg	24	10.462094	53582.79	ug/L	0.055					
Mg	25	10.102657	7226.931	ug/L	0.421					
Al	27	19.239711	151564.9	ug/L	0.18					
Si	28	115466.805		ug/L						
P	31	-4.157594	17408.41	ug/L	1.987					
S	32	91346387.33		ug/L						
Cl	35	11850664.5		ug/L						
K	39	2561.312201	26408266	ug/L	39.454					
Ca	44	5561.406879	1881122	ug/L	144.145					
Sc	45	189319.06		ug/L						
Ti	47	-0.028334	191.337	ug/L	0.002					
Ti	48	4.899341	40495.95	ug/L	0.335					
V	51	0.541588	42603.71	ug/L	0.12					
ClO	51	43292.626		ug/L						
Cr	52	0.282649	11164.67	ug/L	0.01					
Cr	53	2.163342	14343.45	ug/L	0.315					
Fe	54	9.203847	120280.3	ug/L	1.81					
Mn	55	-0.030174	1282.103	ug/L	0.003					
Fe	56	22.713986	3219470	ug/L	2.533					
Fe	57	21.295544	15037.27	ug/L	1.659					
Co	59	0.014387	266.34	ug/L	0.001					
Ni	60	0.348338	993.064	ug/L	0.038					
Ni	62	0.18296	130.002	ug/L	0.032					
Cu	63	1.57538	9068.612	ug/L	0.009					
Zn	64	1.477709	5029.059	ug/L	0.002					
Cu	65	1.531972	4206.015	ug/L	0.026					
Zn	66	1.451631	2892.822	ug/L	0.007					
Zn	68	1.633703	2367.665	ug/L	0.052					
Ge	72	177458.087		ug/L						
As	75	0.271926	610.106	ug/L	0.045					
Se	74	-42.178974	16734.42	mg/L	504.126					
ArCl	77	1035.069		ug/L						

Br	79	63224.157	ug/L						
Br	81	96606.925	ug/L						
Y	89	494970.508	ug/L						
Mo	95	0.997419	4932.721	ug/L	0.027				
Rh	103	481085.505	ug/L						
Ag	107	0.088971	1791.194	ug/L	0.006				
Ag	109	0.078073	1583.487	ug/L	0.005				
Cd	111	0.025713	115.335	ug/L	0.003				
Cd	114	0.020872	225.005	ug/L	0.001				
In	115	626465.356	ug/L						
Sb	121	0.263386	4415.783	ug/L	0.005				
Sb	123	0.277559	3475.179	ug/L	0.001				
Ba	137	7.159147	45865.88	ug/L	0.04				
Ba	138	7.212288	295684.5	ug/L	0.002				
Tb	159	798102.766	ug/L						
Ho	165	778456.532	ug/L						
Hg	200	0.005549	31.334	ug/L	0.001				
Hg	202	0.00213	32.667	ug/L	0.002				
Tl	205	-0.002753	368.678	ug/L	0				
Pb	208	0.050954	3221.925	ug/L	0				
Bi	209	545271.056	ug/L						
Se	77	2.578868	1034.726	mg/L	0.12				
Se	78	4.241775	16524.02	mg/L	0.599				
Se	82	1.137333	199.195	mg/L	0.095				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.775							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	104.374
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	110.542
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.412
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102530.01
Sample Date/Time Thursday August 25 2011 11:55:57
Autosampl Position: 133
Sample Description Aqtot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102530.01.18331
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8357.174		ug/L						
Be	9	0.004611	8.667	ug/L	0.004					
B	10	11.63673	1151.084	ug/L	0.146					
B	11	11.666388	5519.064	ug/L	0.032					
C	12	538351.628		ug/L						
Na	23	52149.28324	3.63E+08	ug/L	182.516					
Mg	24	128.046968	599862.2	ug/L	2.13					
Mg	25	128.017517	84078.73	ug/L	3.288					
Al	27	156.7083	1107084	ug/L	2.185					
Si	28	541021.029		ug/L						
P	31	10.82957	21537.67	ug/L	1.128					
S	32	97638198.24		ug/L						
Cl	35	10987371.06		ug/L						
K	39	26440.28184	2.47E+08	ug/L	120.652					
Ca	44	54808.66707	16955098	ug/L	570.349					
Sc	45	176137.465		ug/L						
Ti	47	0.315229	449.349	ug/L	0.032					
Ti	48	49.570913	401689.3	ug/L	0.688					
V	51	1.0202	44573.46	ug/L	0.199					
ClO	51	46014.619		ug/L						
Cr	52	2.413233	29046.27	ug/L	0.09					
Cr	53	4.507504	15779.51	ug/L	0.777					
Fe	54	36.114315	129693.9	ug/L	0.418					
Mn	55	0.487797	8441.669	ug/L	0.01					
Fe	56	96.994487	3858989	ug/L	13.013					
Fe	57	186.51551	60510.12	ug/L	2.459					
Co	59	0.163616	1823.534	ug/L	0.008					
Ni	60	3.274704	7979.247	ug/L	0.058					
Ni	62	1.564811	627.695	ug/L	0.155					
Cu	63	15.123761	79410.79	ug/L	0.417					
Zn	64	12.856444	31603.03	ug/L	0.564					
Cu	65	14.723999	36875	ug/L	0.442					
Zn	66	12.330969	17808.28	ug/L	0.092					
Zn	68	13.981738	14481	ug/L	0.29					
Ge	72	161508.795		ug/L						
As	75	3.778303	6153.75	ug/L	0.029					
Se	74	-21.120468	15466.34	mg/L	124.964					
ArCl	77	1203.425		ug/L						

Br	79	883960.923	ug/L			
Br	81	986426.903	ug/L			
Y	89	467960.367	ug/L			
Mo	95	10.228014	43654.33	ug/L	0.049	
Rh	103	442520.872	ug/L			
Ag	107	0.121376	2078.259	ug/L	0.01	
Ag	109	0.121795	2012.244	ug/L	0.013	
Cd	111	0.308512	1033.069	ug/L	0	
Cd	114	0.294174	2307.649	ug/L	0.001	
In	115	581622.403	ug/L			
Sb	121	1.011182	11905.91	ug/L	0.006	
Sb	123	0.98793	8923.445	ug/L	0.015	
Ba	137	73.607781	437344.7	ug/L	0.357	
Ba	138	74.863807	2846795	ug/L	0.265	
Tb	159	799003.037	ug/L			
Ho	165	777484.543	ug/L			
Hg	200	0.033537	106.668	ug/L	0.002	
Hg	202	0.028598	126.335	ug/L	0.005	
Tl	205	0.004561	623.694	ug/L	0.001	
Pb	208	2.858097	139005.4	ug/L	0.022	
Bi	209	495500.408	ug/L			
Se	77	3.836628	1193.412	mg/L	0.194	
Se	78	2.250997	15714.63	mg/L	0.399	
Se	82	12.574804	2318.595	mg/L	0.211	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.41							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge 94.994
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In 102.63
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho 104.282
| Hg
| Hg
| Tl
| Pb
|- Bi
Se
Se
Se

Sample ID: 102525.01
Sample Date/Time Thursday August 25 2011 12:02:45
Autosampl Position: 134
Sample Descriptior Aq TCLP 0.111111
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102525.01.18332
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8022.206		ug/L						
Be	9	-0.003901	5.667	ug/L	0.006					
B	10	4.392646	524.02	ug/L	0.225					
B	11	4.646096	2588.394	ug/L	0.055					
C	12	395289.811		ug/L						
Na	23	8651.783693	63062667	ug/L	129.012					
Mg	24	0.747723	4604.96	ug/L	0.028					
Mg	25	0.796471	643.421	ug/L	0.082					
Al	27	1.220971	15010.55	ug/L	0.078					
Si	28	135387.46		ug/L						
P	31	6.948052	21089.91	ug/L	2.481					
S	32	93841812.79		ug/L						
Cl	35	11626478.57		ug/L						
K	39	777.656571	8331454	ug/L	2.159					
Ca	44	5274.465802	1739146	ug/L	65.46					
Sc	45	184332.789		ug/L						
Ti	47	0.023647	229.339	ug/L	0.002					
Ti	48	4.838741	38880.94	ug/L	0.544					
V	51	1.11824	47740.19	ug/L	0.12					
ClO	51	49348.421		ug/L						
Cr	52	0.225003	10342.9	ug/L	0.015					
Cr	53	3.709462	15652.63	ug/L	0.696					
Fe	54	9.904684	117594.2	ug/L	3.177					
Mn	55	-0.021762	1371.784	ug/L	0.001					
Fe	56	55.546752	3535356	ug/L	0.528					
Fe	57	21.151328	14596.53	ug/L	3.805					
Co	59	0.018002	299.341	ug/L	0					
Ni	60	0.432654	1180.088	ug/L	0.006					
Ni	62	0.203736	134.669	ug/L	0.032					
Cu	63	0.727132	4177.668	ug/L	0.011					
Zn	64	1.37868	4650.919	ug/L	0.031					
Cu	65	0.652067	1792.528	ug/L	0.031					
Zn	66	1.299181	2594.73	ug/L	0.04					
Zn	68	1.218199	1872.878	ug/L	0.036					
Ge	72	170584.25		ug/L						
As	75	0.035425	188.144	ug/L	0.002					
Se	74	380.178883	20331.91	mg/L	272.441					
ArCl	77	1134.415		ug/L						

Br	79	11905.251	ug/L						
Br	81	39396.596	ug/L						
Y	89	484965.287	ug/L						
Mo	95	0.412263	2120.269	ug/L	0.018				
Rh	103	482672.403	ug/L						
Ag	107	0.066344	1451.799	ug/L	0.02				
Ag	109	0.063928	1369.118	ug/L	0.014				
Cd	111	0.000123	24.667	ug/L	0				
Cd	114	0.002462	71.334	ug/L	0.001				
In	115	615196.358	ug/L						
Sb	121	0.620041	8273.18	ug/L	0.023				
Sb	123	0.635389	6447.503	ug/L	0.011				
Ba	137	1.067768	6762.582	ug/L	0.001				
Ba	138	1.079548	43722.44	ug/L	0.018				
Tb	159	807532.913	ug/L						
Ho	165	799644.177	ug/L						
Hg	200	0.002594	24	ug/L	0.001				
Hg	202	-0.00129	21	ug/L	0.003				
Tl	205	-0.002885	374.011	ug/L	0				
Pb	208	0.068106	4162.416	ug/L	0.003				
Bi	209	545809.413	ug/L						
Se	77	3.445557	1144.072	mg/L	0.03				
Se	78	3.650111	16283.47	mg/L	0.826				
Se	82	0.239484	32.821	mg/L	0.303				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.989							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.332
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	108.554
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	107.254
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102525.01
Sample Date/Time Thursday August 25 2011 12:09:32
Autosampl Position: 135
Sample Description Aqtot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102525.01.18333
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7823.365		ug/L						
Be	9	-0.003531	5.667	ug/L	0.004					
B	10	48.121909	4527.172	ug/L	0.476					
B	11	48.273756	21896.22	ug/L	0.448					
C	12	496805.701		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	164.433902	788157.4	ug/L	2.153					
Mg	25	164.540104	110582.9	ug/L	0.569					
Al	27	10.368246	80469.32	ug/L	0.095					
Si	28	2518623.755		ug/L						
P	31	54.999986	38116.92	ug/L	4.687					
S	32	105320194.3		ug/L						
Cl	35	10010577.44		ug/L						
K	39	7607.95198	73214711	ug/L	169.839					
Ca	44	54168.40239	17146112	ug/L	1080.939					
Sc	45	180214.16		ug/L						
Ti	47	0.525756	630.695	ug/L	0.036					
Ti	48	44.41898	368089.2	ug/L	0.478					
V	51	0.992831	45341.59	ug/L	0.105					
ClO	51	46551.026		ug/L						
Cr	52	0.54171	12949.52	ug/L	0.027					
Cr	53	2.535937	14051.33	ug/L	0.267					
Fe	54	25.657995	125620.9	ug/L	2.039					
Mn	55	4.590258	67394.56	ug/L	0.035					
Fe	56	83.154247	3785337	ug/L	4.958					
Fe	57	173.683066	58218.29	ug/L	3.646					
Co	59	0.230967	2595.396	ug/L	0					
Ni	60	4.285224	10658.35	ug/L	0.083					
Ni	62	2.508007	997.731	ug/L	0.048					
Cu	63	8.405344	45256.15	ug/L	0.043					
Zn	64	12.385126	31213.06	ug/L	0.077					
Cu	65	7.6436	19634.71	ug/L	0.082					
Zn	66	11.480014	17011.74	ug/L	0.104					
Zn	68	11.306141	12097.5	ug/L	0.057					
Ge	72	162559.192		ug/L						
As	75	0.620691	1119.793	ug/L	0.004					
Se	74	-100.341353	14802.92	mg/L	357.483					
ArCl	77	1208.759		ug/L						

Br	79	50202.434	ug/L						
Br	81	82118.036	ug/L						
Y	89	476680.614	ug/L						
Mo	95	3.666482	15917.75	ug/L	0.007				
Rh	103	447602.492	ug/L						
Ag	107	0.153893	2506.371	ug/L	0.01				
Ag	109	0.14042	2253.303	ug/L	0.015				
Cd	111	0.223818	759.706	ug/L	0.009				
Cd	114	0.225808	1791.861	ug/L	0.006				
In	115	584575.4	ug/L						
Sb	121	5.737471	61553.63	ug/L	0.024				
Sb	123	5.759846	47428.7	ug/L	0.079				
Ba	137	9.718426	58077.5	ug/L	0.108				
Ba	138	9.955318	380715.9	ug/L	0.156				
Tb	159	792071.248	ug/L						
Ho	165	767765.737	ug/L						
Hg	200	0.01248	49.334	ug/L	0				
Hg	202	0.010721	62.334	ug/L	0.004				
Tl	205	0.000398	472.35	ug/L	0				
Pb	208	3.158018	151571.3	ug/L	0.066				
Bi	209	499546.041	ug/L						
Se	77	3.434991	1142.739	mg/L	1.061				
Se	78	4.020167	16433.92	mg/L	0.684				
Se	82	1.035802	180.381	mg/L	0.05				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.688							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	95.611
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	103.151
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	102.978
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 12:16:20
Autosampl Position: 136
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18334
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7920.783		ug/L						
Be	9	-0.001144	6.667	ug/L	0.003					
B	10	0.485294	155.336	ug/L	0.011					
B	11	0.656812	768.04	ug/L	0.024					
C	12	415953.819		ug/L						
Na	23	8.98169	140018.5	ug/L	1.295					
Mg	24	14.027092	68806.27	ug/L	0.368					
Mg	25	13.756009	9432.5	ug/L	0.244					
Al	27	2.400514	23415.8	ug/L	0.005					
Si	28	86306.338		ug/L						
P	31	7.700345	21119.95	ug/L	0.301					
S	32	93758344.12		ug/L						
Cl	35	9551962.889		ug/L						
K	39	6.920314	810492.7	ug/L	2.089					
Ca	44	112.324665	69982.02	ug/L	8.404					
Sc	45	182195.904		ug/L						
Ti	47	0.072702	266.673	ug/L	0.018					
Ti	48	0.258726	-166.427	ug/L	0.008					
V	51	0.742163	43154.28	ug/L	0.04					
ClO	51	44334.626		ug/L						
Cr	52	0.264665	10578.21	ug/L	0.047					
Cr	53	2.539152	14208.57	ug/L	0.253					
Fe	54	95.845904	174955.6	ug/L	7.153					
Mn	55	0.564774	9847.763	ug/L	0.01					
Fe	56	135.095273	4451807	ug/L	17.363					
Fe	57	82.517383	32303.85	ug/L	1.544					
Co	59	0.011	219.338	ug/L	0					
Ni	60	0.299458	834.38	ug/L	0.008					
Ni	62	0.272845	159.336	ug/L	0.005					
Cu	63	0.304016	1834.537	ug/L	0.013					
Zn	64	4.083263	11220.94	ug/L	0.055					
Cu	65	0.29605	851.715	ug/L	0.013					
Zn	66	4.249836	6806.282	ug/L	0.009					
Zn	68	4.022537	4735.28	ug/L	0.159					
Ge	72	169542.443		ug/L						
As	75	-0.029646	76.902	ug/L	0.111					
Se	74	235.67279	18772.67	mg/L	111.936					
ArCl	77	966.394		ug/L						

Br	79	3641.432	ug/L						
Br	81	30460.255	ug/L						
Y	89	486838.551	ug/L						
Mo	95	0.064212	557.023	ug/L	0.004				
Rh	103	490857.632	ug/L						
Ag	107	0.056713	1328.444	ug/L	0.001				
Ag	109	0.058206	1300.773	ug/L	0.002				
Cd	111	0.001334	29	ug/L	0.001				
Cd	114	0.002453	71.668	ug/L	0.002				
In	115	617958.069	ug/L						
Sb	121	0.144978	3042.54	ug/L	0.009				
Sb	123	0.150596	2346.23	ug/L	0.004				
Ba	137	0.067057	476.351	ug/L	0.001				
Ba	138	0.067736	3046.932	ug/L	0.001				
Tb	159	793350.567	ug/L						
Ho	165	787770.751	ug/L						
Hg	200	0.006514	34.334	ug/L	0.001				
Hg	202	0.002497	34.334	ug/L	0.002				
Tl	205	-0.002758	373.011	ug/L	0				
Pb	208	0.074389	4409.127	ug/L	0.001				
Bi	209	536429.846	ug/L						
Se	77	2.092681	973.385	mg/L	0.09				
Se	78	3.785304	16338.44	mg/L	0.353				
Se	82	0.13003	12.539	mg/L	0.16				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.795							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.719
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	109.041
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.661
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.05
Sample Date/Time Thursday August 25 2011 12:23:08
Autosampl Position: 137
Sample Descriptior Aqtot 1:10 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.05.18335
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8082.26		ug/L						
Be	9	-0.004834	5.333	ug/L	0.007					
B	10	1.01595	208.671	ug/L	0.115					
B	11	1.122645	996.731	ug/L	0.08					
C	12	394903.633		ug/L						
Na	23	9508.120285	69868772	ug/L	164.504					
Mg	24	1917.06323	9465258	ug/L	19.09					
Mg	25	1867.572063	1293411	ug/L	14.181					
Al	27	19.347595	149582.3	ug/L	0.305					
Si	28	2160365.93		ug/L						
P	31	7.444451	21447.45	ug/L	2.921					
S	32	91421221.31		ug/L						
Cl	35	7859656.754		ug/L						
K	39	583.575212	6493162	ug/L	13.945					
Ca	44	5563.83474	1847622	ug/L	21.364					
Sc	45	185847.105		ug/L						
Ti	47	1.136093	1159.753	ug/L	0.171					
Ti	48	5.240671	42674.77	ug/L	0.07					
V	51	0.282587	38994.51	ug/L	0.014					
ClO	51	39960.03		ug/L						
Cr	52	0.130321	9552.038	ug/L	0.016					
Cr	53	0.711334	12483.36	ug/L	0.007					
Fe	54	125.31133	199057	ug/L	2.193					
Mn	55	39.132835	579704.5	ug/L	0.279					
Fe	56	148.953836	4713299	ug/L	4.024					
Fe	57	134.991832	48547.46	ug/L	0.198					
Co	59	0.048842	645.696	ug/L	0					
Ni	60	0.346548	970.728	ug/L	0.005					
Ni	62	0.176906	125.335	ug/L	0.014					
Cu	63	0.232439	1476.135	ug/L	0.006					
Zn	64	1.80035	5742.947	ug/L	0.017					
Cu	65	0.135374	444.682	ug/L	0.008					
Zn	66	1.739115	3261.284	ug/L	0.036					
Zn	68	1.855991	2557.719	ug/L	0.056					
Ge	72	169171.535		ug/L						
As	75	0.747407	1377.315	ug/L	0.082					
Se	74	282.32459	19201.4	mg/L	379.124					
ArCl	77	860.383		ug/L						

Br	79	9103.318	ug/L						
Br	81	35291.053	ug/L						
Y	89	484158.822	ug/L						
Mo	95	0.115971	785.709	ug/L	0.011				
Rh	103	473831.97	ug/L						
Ag	107	0.026215	886.719	ug/L	0.006				
Ag	109	0.029202	892.053	ug/L	0.011				
Cd	111	0.016902	80.668	ug/L	0				
Cd	114	0.015561	173.337	ug/L	0.003				
In	115	599466.523	ug/L						
Sb	121	0.073362	2181.284	ug/L	0.012				
Sb	123	0.08612	1743.131	ug/L	0.003				
Ba	137	3.421546	21002.44	ug/L	0.006				
Ba	138	3.467894	136204.1	ug/L	0.004				
Tb	159	807370.477	ug/L						
Ho	165	790089.422	ug/L						
Hg	200	0.001507	20.667	ug/L	0.003				
Hg	202	-0.00002	25.334	ug/L	0.001				
Tl	205	-0.003801	337.01	ug/L	0				
Pb	208	0.073073	4357.455	ug/L	0				
Bi	209	544535.428	ug/L						
Se	77	0.750399	804.036	mg/L	0.015				
Se	78	2.773543	15927.08	mg/L	0.746				
Se	82	0.22543	30.217	mg/L	0.18				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.835							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.501
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	105.778
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.972
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.02
Sample Date/Time Thursday August 25 2011 12:29:56
Autosampl Position: 138
Sample Descriptior Aqtot 1:10 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.02.18336
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8036.884		ug/L						
Be	9	-0.009317	3.667	ug/L	0.001					
B	10	26.112695	2679.755	ug/L	1.154					
B	11	26.40018	13029.46	ug/L	1.104					
C	12	424339.112		ug/L						
Na	23	13958.9665	1.06E+08	ug/L	96.112					
Mg	24	3054.312303	15633531	ug/L	103.944					
Mg	25	3123.338415	2242847	ug/L	50.853					
Al	27	9.309109	77896.73	ug/L	0.175					
Si	28	4462302.194		ug/L						
P	31	25.376036	29223.15	ug/L	1.834					
S	32	94555613.84		ug/L						
Cl	35	8001116.734		ug/L						
K	39	1458.614899	15642564	ug/L	82.543					
Ca	44	5053.899919	1743661	ug/L	43.403					
Sc	45	192733.941		ug/L						
Ti	47	0.359032	530.021	ug/L	0.002					
Ti	48	4.262603	35514.42	ug/L	0.24					
V	51	-0.13528	35691.95	ug/L	0.063					
ClO	51	37023.273		ug/L						
Cr	52	0.041526	9054.264	ug/L	0.001					
Cr	53	-0.517582	11541.44	ug/L	0.133					
Fe	54	1163.543385	957202	ug/L	21.039					
Mn	55	158.278822	2425826	ug/L	2.947					
Fe	56	1139.008856	17516382	ug/L	7.963					
Fe	57	1148.062108	362425.9	ug/L	35.961					
Co	59	0.164764	2009.909	ug/L	0.002					
Ni	60	1.236122	3354.319	ug/L	0.008					
Ni	62	1.01586	467.017	ug/L	0.046					
Cu	63	0.187087	1270.435	ug/L	0.005					
Zn	64	0.382101	2280.556	ug/L	0.015					
Cu	65	0.034087	184.004	ug/L	0.002					
Zn	66	0.321525	1226.428	ug/L	0.011					
Zn	68	0.692071	1385.453	ug/L	0.03					
Ge	72	171832.853		ug/L						
As	75	2.757701	4812.698	ug/L	0.109					
Se	74	43.876279	17090.27	mg/L	215.6					
ArCl	77	822.045		ug/L						

Br	79	51898.596	ug/L						
Br	81	82317.535	ug/L						
Y	89	489502.616	ug/L						
Mo	95	2.014762	9368.585	ug/L	0.042				
Rh	103	463317.216	ug/L						
Ag	107	0.076087	1549.815	ug/L	0.015				
Ag	109	0.044229	1087.076	ug/L	0.007				
Cd	111	0.011798	63.668	ug/L	0.004				
Cd	114	0.006097	98.668	ug/L	0				
In	115	601557.535	ug/L						
Sb	121	0.056589	2007.242	ug/L	0.006				
Sb	123	0.064601	1570.595	ug/L	0.005				
Ba	137	11.752733	72267.16	ug/L	0.022				
Ba	138	11.696533	460271.7	ug/L	0.033				
Tb	159	796196.677	ug/L						
Ho	165	770733.707	ug/L						
Hg	200	0.004048	27	ug/L	0.002				
Hg	202	-0.000421	23.334	ug/L	0.001				
Tl	205	-0.004094	318.675	ug/L	0				
Pb	208	0.011149	1281.381	ug/L	0.001				
Bi	209	536759.038	ug/L						
Se	77	1.046333	841.372	mg/L	0.314				
Se	78	3.072706	16048.71	mg/L	1.128				
Se	82	0.74364	126.243	mg/L	0.128				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	107.683							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.066
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	106.147
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.376
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.12
Sample Date/Time Thursday August 25 2011 12:36:46
Autosampl Position: 139
Sample Description Aqtot 1:10 Na + Ca
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.12.18337
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8297.118		ug/L						
Be	9	-0.007318	4.333	ug/L	0.009					
B	10	22.38986	2263.638	ug/L	0.374					
B	11	23.653578	11469.35	ug/L	0.341					
C	12	436191.917		ug/L						
Na	23	13815.32596	1.03E+08	ug/L	277.668					
Mg	24	2714.026483	13584814	ug/L	62.664					
Mg	25	2640.256057	1853121	ug/L	111.667					
Al	27	1.135124	14690	ug/L	0.118					
Si	28	3994271.287		ug/L						
P	31	5.600978	21046.45	ug/L	0.342					
S	32	90295833.36		ug/L						
Cl	35	8277854.164		ug/L						
K	39	757.034439	8313293	ug/L	4.531					
Ca	44	7330.149868	2456513	ug/L	191.543					
Sc	45	188493.981		ug/L						
Ti	47	0.265225	438.682	ug/L	0.02					
Ti	48	6.450028	53778.31	ug/L	0.345					
V	51	-0.051748	35817.78	ug/L	0.112					
ClO	51	36782.299		ug/L						
Cr	52	0.031395	8762.235	ug/L	0.012					
Cr	53	-0.097087	11748.37	ug/L	0.502					
Fe	54	629.641661	558390.6	ug/L	18.538					
Mn	55	57.509282	862732.8	ug/L	1.958					
Fe	56	633.965252	10821569	ug/L	43.338					
Fe	57	605.802275	190994.4	ug/L	24.786					
Co	59	0.013429	254.006	ug/L	0.002					
Ni	60	1.279298	3390.333	ug/L	0.031					
Ni	62	1.10506	491.018	ug/L	0.135					
Cu	63	0.167596	1133.082	ug/L	0.003					
Zn	64	0.52984	2603.045	ug/L	0.046					
Cu	65	0.026526	159.67	ug/L	0.002					
Zn	66	0.478393	1432.794	ug/L	0.003					
Zn	68	0.655911	1316.108	ug/L	0.035					
Ge	72	169166.502		ug/L						
As	75	1.594206	2791.833	ug/L	0.079					
Se	74	-125.760933	15102.69	mg/L	477.59					
ArCl	77	825.712		ug/L						

Br	79	73959.724	ug/L			
Br	81	104566.037	ug/L			
Y	89	473336.676	ug/L			
Mo	95	0.229783	1291.438	ug/L	0.001	
Rh	103	460389.974	ug/L			
Ag	107	0.109029	1961.231	ug/L	0.005	
Ag	109	0.113021	1943.563	ug/L	0.024	
Cd	111	-0.00012	23	ug/L	0.002	
Cd	114	0.000644	54.667	ug/L	0.001	
In	115	594169.459	ug/L			
Sb	121	0.049489	1906.886	ug/L	0.001	
Sb	123	0.05339	1459.29	ug/L	0.01	
Ba	137	5.945796	36137.38	ug/L	0.052	
Ba	138	6.071927	236148.1	ug/L	0.015	
Tb	159	798830.712	ug/L			
Ho	165	770068.819	ug/L			
Hg	200	-0.000569	14.667	ug/L	0.001	
Hg	202	-0.000225	24	ug/L	0	
Tl	205	-0.005493	270.007	ug/L	0	
Pb	208	0.012635	1351.386	ug/L	0.001	
Bi	209	536583.855	ug/L			
Se	77	1.130886	852.04	mg/L	0.344	
Se	78	3.053603	16040.95	mg/L	1.428	
Se	82	1.179327	206.977	mg/L	0.118	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.314							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.498
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	104.844
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.287
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.16
Sample Date/Time Thursday August 25 2011 12:43:34
Autosampl Position: 140
Sample Description Aqtot 1:10 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.16.18338
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8737.532		ug/L						
Be	9	-0.00851	4	ug/L	0					
B	10	25.404115	2612.068	ug/L	0.227					
B	11	26.656116	13158.98	ug/L	0.661					
C	12	415803.869		ug/L						
Na	23	12573.60536	95828512	ug/L	75.351					
Mg	24	2951.748877	15118297	ug/L	24.066					
Mg	25	3038.138432	2182610	ug/L	53.08					
Al	27	3.833271	35821.02	ug/L	0.412					
Si	28	3511419.254		ug/L						
P	31	41.81554	35653.36	ug/L	1.386					
S	32	94895244.99		ug/L						
Cl	35	8281129.982		ug/L						
K	39	2442.411453	25688052	ug/L	61.444					
Ca	44	3522.937047	1226880	ug/L	40.288					
Sc	45	192807.268		ug/L						
Ti	47	0.356874	528.354	ug/L	0.004					
Ti	48	3.098151	25151.72	ug/L	0.12					
V	51	-0.156224	35472.09	ug/L	0.036					
ClO	51	36454.979		ug/L						
Cr	52	0.032542	8971.347	ug/L	0.005					
Cr	53	-0.457402	11615.2	ug/L	0.118					
Fe	54	1593.85669	1268950	ug/L	24.932					
Mn	55	89.497547	1373268	ug/L	1.008					
Fe	56	1568.355939	23002046	ug/L	11.62					
Fe	57	1483.250162	465990.7	ug/L	0.469					
Co	59	0.114414	1428.46	ug/L	0					
Ni	60	1.240272	3365.657	ug/L	0.048					
Ni	62	1.173538	530.687	ug/L	0.033					
Cu	63	0.214846	1430.127	ug/L	0.01					
Zn	64	0.507012	2605.918	ug/L	0.025					
Cu	65	0.080199	310.342	ug/L	0.002					
Zn	66	0.439975	1407.123	ug/L	0.013					
Zn	68	0.811797	1516.475	ug/L	0.027					
Ge	72	173001.273		ug/L						
As	75	1.092618	1998.808	ug/L	0.009					
Se	74	-359.123907	13137.53	mg/L	234.01					
ArCl	77	852.715		ug/L						

Br	79	133478.674	ug/L						
Br	81	168461.936	ug/L						
Y	89	483283.148	ug/L						
Mo	95	0.785736	3847.519	ug/L	0.005				
Rh	103	477450.229	ug/L						
Ag	107	0.025163	893.053	ug/L	0.002				
Ag	109	0.022125	820.045	ug/L	0.002				
Cd	111	0.002942	34.334	ug/L	0				
Cd	114	0.004907	91.001	ug/L	0				
In	115	613538.872	ug/L						
Sb	121	0.039936	1864.21	ug/L	0.009				
Sb	123	0.04285	1418.023	ug/L	0.004				
Ba	137	12.270603	76949.73	ug/L	0.107				
Ba	138	12.307044	493930.3	ug/L	0.028				
Tb	159	794815.334	ug/L						
Ho	165	775166.673	ug/L						
Hg	200	0.002888	24	ug/L	0.002				
Hg	202	0.000393	26.334	ug/L	0				
Tl	205	-0.00506	286.674	ug/L	0.001				
Pb	208	0.021758	1800.419	ug/L	0				
Bi	209	545914.729	ug/L						
Se	77	0.655278	792.035	mg/L	0.329				
Se	78	3.650122	16283.47	mg/L	0.772				
Se	82	2.187826	393.855	mg/L	0.153				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	107.724							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.753
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	108.261
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.971
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.17
Sample Date/Time Thursday August 25 2011 12:50:22
Autosampl Position: 141
Sample Description Aqtot 1:10 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.17.18339
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8474.615		ug/L						
Be	9	-0.006713	4.667	ug/L	0.002					
B	10	35.443195	3529.72	ug/L	1.145					
B	11	37.269902	17854.7	ug/L	1.122					
C	12	438481.776		ug/L						
Na	23	17428.46798	1.3E+08	ug/L	454.356					
Mg	24	4997.571696	25111331	ug/L	104.921					
Mg	25	5029.468937	3544626	ug/L	146.59					
Al	27	3.113305	29691.37	ug/L	0.058					
Si	28	2715124.609		ug/L						
P	31	18.729556	26150.18	ug/L	0.406					
S	32	92140778.83		ug/L						
Cl	35	8324130.863		ug/L						
K	39	2189.487287	22669555	ug/L	30.393					
Ca	44	4646.045638	1576201	ug/L	68.926					
Sc	45	189185.922		ug/L						
Ti	47	0.286899	458.683	ug/L	0.04					
Ti	48	3.447739	27740.9	ug/L	0.057					
V	51	-0.048421	35995.5	ug/L	0.126					
ClO	51	36778.971		ug/L						
Cr	52	0.037	8845.08	ug/L	0					
Cr	53	-0.166922	11721	ug/L	0.22					
Fe	54	1197.673201	963776.9	ug/L	25.228					
Mn	55	203.437793	3059704	ug/L	6.081					
Fe	56	1198.670106	17937509	ug/L	36.907					
Fe	57	1127.281872	349444.8	ug/L	42.674					
Co	59	0.527052	6084.096	ug/L	0.013					
Ni	60	2.335206	6136.799	ug/L	0.1					
Ni	62	2.198682	925.056	ug/L	0.053					
Cu	63	0.221027	1437.795	ug/L	0.011					
Zn	64	0.638306	2890.186	ug/L	0.016					
Cu	65	0.05073	225.338	ug/L	0.001					
Zn	66	0.608242	1632.163	ug/L	0.014					
Zn	68	1.535813	2261.304	ug/L	0.037					
Ge	72	171694.209		ug/L						
As	75	1.677328	2976.672	ug/L	0.091					
Se	74	-152.232901	15112.44	mg/L	119.256					
ArCl	77	840.047		ug/L						

Br	79	130151.384	ug/L			
Br	81	168673.29	ug/L			
Y	89	483051.784	ug/L			
Mo	95	2.886714	13294.85	ug/L	0.015	
Rh	103	466843.105	ug/L			
Ag	107	0.024951	883.052	ug/L	0.008	
Ag	109	0.023222	827.713	ug/L	0.008	
Cd	111	0.007418	49.334	ug/L	0.002	
Cd	114	0.006131	100.002	ug/L	0.001	
In	115	608204.098	ug/L			
Sb	121	0.036256	1807.865	ug/L	0.005	
Sb	123	0.040196	1383.684	ug/L	0.007	
Ba	137	33.207281	206335.4	ug/L	0.397	
Ba	138	33.20453	1320386	ug/L	0.505	
Tb	159	801447.425	ug/L			
Ho	165	786093.464	ug/L			
Hg	200	0.00116	19.667	ug/L	0.001	
Hg	202	-0.001113	21.334	ug/L	0.002	
Tl	205	-0.005539	274.007	ug/L	0	
Pb	208	0.003309	923.361	ug/L	0.001	
Bi	209	544690.123	ug/L			
Se	77	1.056903	842.706	mg/L	0.658	
Se	78	3.359812	16165.44	mg/L	0.532	
Se	82	2.05043	368.395	mg/L	0.246	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.7							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.984
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	107.32
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.436
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	1						
Sample	Date/Time	Thursday	August	25	2011	12:57:04				
Autosampl	Position:	5								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	1.1834						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8079.589		ug/L						
Be	9	-0.001306	6.667	ug/L	0					
B	10	-0.158566	96.335	ug/L	0.158					
B	11	-0.028441	464.35	ug/L	0.105					
C	12	400111.181		ug/L						
Na	23	-4.140199	46047.63	ug/L	0.175					
Mg	24	0.623743	3984.605	ug/L	0.007					
Mg	25	0.663611	550.072	ug/L	0.074					
Al	27	0.261137	7924.244	ug/L	0.015					
Si	28	70717.798		ug/L						
P	31	1.836458	19115.36	ug/L	3.046					
S	32	93551111.55		ug/L						
Cl	35	8149312.903		ug/L						
K	39	-1.548608	735088.7	ug/L	0.031					
Ca	44	-18.454178	28464	ug/L	1.36					
Sc	45	183694.678		ug/L						
Ti	47	0.001176	210.005	ug/L	0.004					
Ti	48	0.081452	-1675.27	ug/L	0.007					
V	51	0.044428	35968.41	ug/L	0.096					
ClO	51	36748.514		ug/L						
Cr	52	0.081456	8994.774	ug/L	0.02					
Cr	53	0.18942	11771.07	ug/L	0.281					
Fe	54	14.045085	120050.1	ug/L	0.364					
Mn	55	-0.013823	1482.803	ug/L	0.009					
Fe	56	29.135007	3202012	ug/L	2.104					
Fe	57	6.794428	10333.57	ug/L	1.021					
Co	59	-0.003106	65.668	ug/L	0					
Ni	60	-0.000765	86.001	ug/L	0.001					
Ni	62	-0.008979	52.667	ug/L	0.002					
Cu	63	-0.002346	175.67	ug/L	0.002					
Zn	64	0.06389	1388.083	ug/L	0.006					
Cu	65	-0.00162	82.335	ug/L	0.002					
Zn	66	0.065796	798.376	ug/L	0.04					
Zn	68	0.078931	684.699	ug/L	0					
Ge	72	173256.784		ug/L						
As	75	0.083563	273.056	ug/L	0.071					
Se	74	-256.188743	14207.11	mg/L	195.578					
ArCl	77	730.37		ug/L						

Br	79	4811.656	ug/L						
Br	81	31469.067	ug/L						
Y	89	494567.64	ug/L						
Mo	95	0.039829	458.016	ug/L	0.006				
Rh	103	481062.232	ug/L						
Ag	107	0.04964	1230.096	ug/L	0				
Ag	109	0.052014	1217.094	ug/L	0.001				
Cd	111	-0.002592	15.334	ug/L	0.002				
Cd	114	-0.001207	41.667	ug/L	0.001				
In	115	616851.262	ug/L						
Sb	121	0.061408	2111.6	ug/L	0.001				
Sb	123	0.065546	1618.482	ug/L	0.003				
Ba	137	0.00625	92.335	ug/L	0.001				
Ba	138	0.005558	534.221	ug/L	0				
Tb	159	795480.71	ug/L						
Ho	165	785167.228	ug/L						
Hg	200	0.001655	21	ug/L	0.001				
Hg	202	-0.00222	17.334	ug/L	0				
Tl	205	-0.003535	344.343	ug/L	0				
Pb	208	0.00408	960.029	ug/L	0				
Bi	209	562047.641	ug/L						
Se	77	-0.010567	708.028	mg/L	0.762				
Se	78	2.549145	15835.85	mg/L	0.075				
Se	82	0.22127	29.446	mg/L	0.194				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.632							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.903
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	108.846
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.312
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Thursday August 25 2011 13:04:13
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 2.18341
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8255.748		ug/L						
Be	9	74.476546	30212.76	ug/L	0.801					
B	10	83.748627	8135.055	ug/L	1.748					
B	11	82.913694	38876.68	ug/L	0.244					
C	12	415550.553		ug/L						
Na	23	90.724902	751338.1	ug/L	1.245					
Mg	24	99.471219	497615.4	ug/L	0.413					
Mg	25	101.563891	71248.84	ug/L	3.34					
Al	27	101.664396	768793.2	ug/L	0.346					
Si	28	262122.474		ug/L						
P	31	9.759804	22576.97	ug/L	2.497					
S	32	91582402.19		ug/L						
Cl	35	8331789.818		ug/L						
K	39	1048.129377	11184784	ug/L	17.732					
Ca	44	87.168148	63920.32	ug/L	5.314					
Sc	45	187964.818		ug/L						
Ti	47	101.430018	85820.38	ug/L	0.52					
Ti	48	104.612879	907484.8	ug/L	0.668					
V	51	100.614081	1149569	ug/L	1.368					
ClO	51	1181029.358		ug/L						
Cr	52	102.68965	968662.4	ug/L	1.698					
Cr	53	101.457436	124802.4	ug/L	0.889					
Fe	54	123.030902	199740.3	ug/L	5.305					
Mn	55	101.377881	1516080	ug/L	0.904					
Fe	56	123.271533	4446951	ug/L	7.299					
Fe	57	105.182371	40125.79	ug/L	8					
Co	59	102.956374	1161080	ug/L	2.016					
Ni	60	98.42186	253361.9	ug/L	0.933					
Ni	62	98.862594	38808.05	ug/L	1.06					
Cu	63	102.151866	571471.4	ug/L	1.469					
Zn	64	95.089691	241513.3	ug/L	2.38					
Cu	65	102.704578	274041.4	ug/L	2.522					
Zn	66	94.584758	140967.6	ug/L	2.07					
Zn	68	95.529569	102012.9	ug/L	0.999					
Ge	72	171448.277		ug/L						
As	75	111.71584	189463.3	ug/L	2.114					
Se	74	674.963787	23397.61	mg/L	146.596					
ArCl	77	14329.097		ug/L						

Br	79	3069.216	ug/L			
Br	81	29062.003	ug/L			
Y	89	491335.135	ug/L			
Mo	95	105.962478	477570.6	ug/L	3.02	
Rh	103	487734.344	ug/L			
Ag	107	60.355535	806695.5	ug/L	0.132	
Ag	109	60.365494	780892	ug/L	0.524	
Cd	111	106.271982	363109.4	ug/L	1.162	
Cd	114	105.725405	847247	ug/L	1.181	
In	115	606957.941	ug/L			
Sb	121	98.651263	1076492	ug/L	4.373	
Sb	123	97.446066	816837.1	ug/L	4.057	
Ba	137	108.277847	671223.9	ug/L	2.32	
Ba	138	107.377631	4260768	ug/L	0.322	
Tb	159	808290.93	ug/L			
Ho	165	797494.101	ug/L			
Hg	200	0.977931	2718.434	ug/L	0.008	
Hg	202	0.96866	3546.06	ug/L	0.02	
Tl	205	105.676342	3785652	ug/L	0.049	
Pb	208	102.047634	5064020	ug/L	0.208	
Bi	209	558641.319	ug/L			
Se	77	107.788644	14308.59	mg/L	2.021	
Se	78	112.519621	60546.75	mg/L	3.038	
Se	82	106.374372	19699.95	mg/L	2.832	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	73.739							
|	B	83.498							
|	B	82.666							
|	C								
|	Na	89.561							
|	Mg	98.486							
|	Mg	100.558							
|	Al	101.259							
|	Si								
|	P								
|	S								
|	Cl								
|	K	104.499							
|	Ca	86.391							
|>	Sc	105.018							
|	Ti	101.43							
|	Ti	104.613							
|	V	100.213							
|	ClO								
|	Cr	101.673							

	Cr	100.453
	Fe	122.297
	Mn	100.974
	Fe	122.536
	Fe	104.555
	Co	102.342
	Ni	97.641
	Ni	98.078
	Cu	102.254
	Zn	94.429
	Cu	102.807
	Zn	93.927
|-	Zn	94.866
|>	Ge	100.84
	As	112.39
	Se	673.617
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	105.646
|-	Rh	
	Ag	59.877
	Ag	59.886
	Cd	105.743
	Cd	105.199
|>	In	107.1
	Sb	98.356
	Sb	97.155
	Ba	107.525
|-	Ba	106.631
|-	Tb	
|>	Ho	106.965
	Hg	97.793
	Hg	96.866
	Tl	105.676
	Pb	102.048
|-	Bi	
	Se	107.573
	Se	112.295
	Se	106.162

Sample	ID:	QC	Std	5						
Sample	Date/Time	Thursday	August	25	2011	13:11:22				
Autosampl	Position:	7								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	5.18342						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8470.611	ug/L							
Be	9	33.780024	13388.65	ug/L	0.201					
B	10	138.384614	13054.83	ug/L	0.191					
B	11	140.085527	63835.8	ug/L	3.612					
C	12	417324.93	ug/L							
Na	23	-2.951987	54629.11	ug/L	0.181					
Mg	24	0.551913	3631.088	ug/L	0.028					
Mg	25	0.542361	466.725	ug/L	0.008					
Al	27	185.8248	1367444	ug/L	0.793					
Si	28	134910.547	ug/L							
P	31	11.263352	22603.66	ug/L	0.341					
S	32	91827051.75	ug/L							
Cl	35	7888723.873	ug/L							
K	39	-0.718876	742651.9	ug/L	0.919					
Ca	44	-14.725797	29644.55	ug/L	1.493					
Sc	45	183585.984	ug/L							
Ti	47	0.052761	252.339	ug/L	0.012					
Ti	48	0.150698	-1086.67	ug/L	0.012					
V	51	26.518504	322039.3	ug/L	0.526					
ClO	51	326072.284	ug/L							
Cr	52	52.046675	483632.4	ug/L	0.036					
Cr	53	52.165377	68286.52	ug/L	0.847					
Fe	54	211.886105	256247.3	ug/L	6.958					
Mn	55	111.030586	1621690	ug/L	0.01					
Fe	56	218.006035	5494775	ug/L	3.629					
Fe	57	198.349139	66542.64	ug/L	6.172					
Co	59	25.369392	279522.7	ug/L	0.375					
Ni	60	204.900419	515113.4	ug/L	0.052					
Ni	62	201.600894	77233.46	ug/L	3.297					
Cu	63	81.893921	447520.2	ug/L	0.885					
Zn	64	100.347616	248865.1	ug/L	2.585					
Cu	65	82.936155	216159	ug/L	2.041					
Zn	66	101.938808	148343.3	ug/L	1.426					
Zn	68	103.484309	107893.6	ug/L	0.48					
Ge	72	171974.288	ug/L							
As	75	46.959407	79943.05	ug/L	1.379					
Se	74	139.059927	18044.63	mg/L	355.112					
ArCl	77	22750.326	ug/L							

Br		79	2738.774	ug/L						
Br		81	28952.654	ug/L						
Y		89	491557.398	ug/L						
Mo		95	46.827775	211850.8	ug/L	0.294				
Rh		103	485331.923	ug/L						
Ag		107	54.254721	722665	ug/L	0.377				
Ag		109	54.19506	698595.6	ug/L	0.272				
Cd		111	24.29614	82743	ug/L	0.199				
Cd		114	24.414045	195002.8	ug/L	0.141				
In		115	604800.373	ug/L						
Sb		121	52.836664	574932.8	ug/L	0.321				
Sb		123	52.999018	442991.5	ug/L	0.317				
Ba		137	152.287663	940798.3	ug/L	1.546				
Ba		138	154.327619	6102100	ug/L	0.575				
Tb		159	802079.614	ug/L						
Ho		165	790508.104	ug/L						
Hg		200	1.004348	2767.116	ug/L	0.015				
Hg		202	0.979908	3555.731	ug/L	0.008				
Tl		205	14.596161	518698.1	ug/L	0.053				
Pb		208	107.021142	5264135	ug/L	0.668				
Bi		209	556757.149	ug/L						
Se		77	175.774915	22886.12	mg/L	5.858				
Se		78	177.474749	86955.68	mg/L	0.981				
Se		82	171.129952	31699.36	mg/L	2.089				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	79.296							
|	B	86.49							
|	B	87.553							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	105.582							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.571							
|	Ti								
|	Ti								
|	V	106.5							
|	ClO								
|	Cr	105.786							

	Cr	106.027
	Fe	118.372
	Mn	104.746
	Fe	121.791
	Fe	110.81
	Co	108.882
	Ni	100.441
	Ni	98.824
	Cu	104.724
	Zn	95.569
	Cu	106.056
	Zn	97.085
-	Zn	98.556
>	Ge	101.149
	As	119.186
	Se	86.912
	ArCl	
	Br	
	Br	
	Y	
-	Mo	111.761
-	Rh	
	Ag	107.862
	Ag	107.744
	Cd	104.725
	Cd	105.233
>	In	106.719
	Sb	113.627
	Sb	113.976
	Ba	108.005
-	Ba	109.452
-	Tb	
>	Ho	106.028
	Hg	100.435
	Hg	97.991
	Tl	102.79
	Pb	102.905
-	Bi	
	Se	109.859
	Se	110.922
	Se	106.956

Sample ID: QC Std 6
Sample Date/Time Thursday August 25 2011 13:18:31
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\D: Std 6.18343
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8293.114		ug/L						
Be	9	-0.003031	6	ug/L	0.007					
B	10	0.329796	142.336	ug/L	0.09					
B	11	0.466236	689.7	ug/L	0.05					
C	12	414974.259		ug/L						
Na	23	9893.931307	72009557	ug/L	116.593					
Mg	24	10058.70214	49184482	ug/L	271.5					
Mg	25	9991.05269	6852923	ug/L	196.278					
Al	27	10474.64247	76953181	ug/L	276.103					
Si	28	74770.404		ug/L						
P	31	10053.26529	3760762	ug/L	41.207					
S	32	86905278.35		ug/L						
Cl	35	1785745.643		ug/L						
K	39	10453.28329	1.02E+08	ug/L	25.675					
Ca	44	10521.18295	3429902	ug/L	21.402					
Sc	45	184079.69		ug/L						
Ti	47	29.850109	24884.63	ug/L	1.244					
Ti	48	8.146259	67021.32	ug/L	0.038					
V	51	-1.483734	19483.06	ug/L	0.039					
ClO	51	19995.176		ug/L						
Cr	52	0.099247	9176.631	ug/L	0.014					
Cr	53	-4.939137	6203.18	ug/L	0.246					
Fe	54	10432.3635	7317043	ug/L	20.526					
Mn	55	0.056813	2519.042	ug/L	0.015					
Fe	56	10579.58434	1.32E+08	ug/L	106.413					
Fe	57	10945.43128	3229744	ug/L	25.648					
Co	59	0.036178	499.685	ug/L	0					
Ni	60	0.334587	931.39	ug/L	0.005					
Ni	62	0.028895	67.334	ug/L	0.029					
Cu	63	0.240978	1508.807	ug/L	0.003					
Zn	64	0.71186	2994.644	ug/L	0.015					
Cu	65	0.147209	471.35	ug/L	0.001					
Zn	66	0.627627	1616.16	ug/L	0.038					
Zn	68	0.519792	1144.417	ug/L	0.008					
Ge	72	170574.835		ug/L						
As	75	0.125719	339.756	ug/L	0.063					
Se	74	-352.287343	13024.71	mg/L	89.18					
ArCl	77	435.348		ug/L						

Br	79	1900.218	ug/L						
Br	81	28308.959	ug/L						
Y	89	481245.456	ug/L						
Mo	95	0.276583	1510.475	ug/L	0.057				
Rh	103	457976.544	ug/L						
Ag	107	0.320085	4772.975	ug/L	0.042				
Ag	109	0.319316	4604.886	ug/L	0.041				
Cd	111	0.013996	71.001	ug/L	0.003				
Cd	114	0.012626	150.336	ug/L	0.001				
In	115	600883.273	ug/L						
Sb	121	0.814642	10177.17	ug/L	0.12				
Sb	123	0.822526	7846.199	ug/L	0.101				
Ba	137	0.064272	446.015	ug/L	0.004				
Ba	138	0.06363	2801.133	ug/L	0.004				
Tb	159	781030.67	ug/L						
Ho	165	768724.485	ug/L						
Hg	200	0.013835	53.001	ug/L	0.004				
Hg	202	0.009492	58.001	ug/L	0.001				
Tl	205	0.00403	598.359	ug/L	0.001				
Pb	208	0.049097	3092.901	ug/L	0.001				
Bi	209	522065.4	ug/L						
Se	77	-2.356834	412.009	mg/L	0.553				
Se	78	3.478284	16213.61	mg/L	0.625				
Se	82	0.449455	71.729	mg/L	0.378				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	98.939							
|	Mg	100.587							
|	Mg	99.911							
|	Al	104.746							
|	Si								
|	P	100.533							
|	S								
|	Cl								
|	K	104.533							
|	Ca	105.212							
|>	Sc	102.847							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	104.324
	Mn	
	Fe	105.796
	Fe	109.454
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.326
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	106.028
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.107
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 13:25:46
Autosampl Position: 142
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18344
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8941.729		ug/L						
Be	9	-0.005261	5.333	ug/L	0.007					
B	10	-0.377213	79.668	ug/L	0.003					
B	11	-0.187363	412.013	ug/L	0.008					
C	12	390422.279		ug/L						
Na	23	-5.64502	36871.66	ug/L	0.189					
Mg	24	0.396639	3014.151	ug/L	0.161					
Mg	25	0.418226	400.049	ug/L	0.218					
Al	27	0.490162	10076.6	ug/L	0.102					
Si	28	63628.235		ug/L						
P	31	0.312631	19459.49	ug/L	5.027					
S	32	89533102.39		ug/L						
Cl	35	8057220.888		ug/L						
K	39	-4.18621	744809.5	ug/L	0.303					
Ca	44	-22.131489	28641.25	ug/L	0.697					
Sc	45	192849.55		ug/L						
Ti	47	-0.038118	186.337	ug/L	0.018					
Ti	48	0.076734	-1801.51	ug/L	0.01					
V	51	-0.423248	32443.12	ug/L	0.095					
ClO	51	33622.758		ug/L						
Cr	52	0.033285	8979.914	ug/L	0.012					
Cr	53	-1.131289	10847.24	ug/L	0.173					
Fe	54	3.372749	118301.8	ug/L	1.572					
Mn	55	-0.050535	994.064	ug/L	0.001					
Fe	56	14.864189	3178498	ug/L	11.154					
Fe	57	5.035687	10306.87	ug/L	0.159					
Co	59	-0.003182	68.001	ug/L	0.001					
Ni	60	0.001141	95.335	ug/L	0.001					
Ni	62	-0.018807	51.334	ug/L	0.002					
Cu	63	0.002354	211.338	ug/L	0.002					
Zn	64	0.027917	1363.75	ug/L	0.013					
Cu	65	0.002874	98.668	ug/L	0.004					
Zn	66	0.061517	831.713	ug/L	0.001					
Zn	68	0.007336	640.696	ug/L	0.021					
Ge	72	177588.471		ug/L						
As	75	-0.025574	89.058	ug/L	0.088					
Se	74	192.88056	19218.79	mg/L	325.175					
ArCl	77	772.041		ug/L						

Br	79	2846.141	ug/L						
Br	81	30590.689	ug/L						
Y	89	497629.616	ug/L						
Mo	95	0.042972	484.351	ug/L	0.012				
Rh	103	492066.203	ug/L						
Ag	107	0.092362	1828.202	ug/L	0.006				
Ag	109	0.094971	1799.196	ug/L	0.002				
Cd	111	-0.001679	18.667	ug/L	0.001				
Cd	114	-0.001828	37	ug/L	0				
In	115	623029.836	ug/L						
Sb	121	0.189572	3566.069	ug/L	0.01				
Sb	123	0.203347	2818.581	ug/L	0.001				
Ba	137	0.005472	88.335	ug/L	0.002				
Ba	138	0.003274	446.564	ug/L	0				
Tb	159	814526.89	ug/L						
Ho	165	798072.695	ug/L						
Hg	200	0.003695	27	ug/L	0.001				
Hg	202	0.00091	29	ug/L	0				
Tl	205	-0.005945	263.673	ug/L	0				
Pb	208	0.004807	1011.699	ug/L	0.001				
Bi	209	564461.497	ug/L						
Se	77	0.317069	749.364	mg/L	0.179				
Se	78	3.59028	16259.14	mg/L	0.129				
Se	82	0.343486	52.093	mg/L	0.074				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	107.747							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	104.451
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	109.936
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	107.043
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.08
Sample Date/Time Thursday August 25 2011 13:32:34
Autosampl Position: 143
Sample Description No digestion rerun
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.08.18345
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8538.679		ug/L						
Be	9	-0.003208	5.667	ug/L	0.001					
B	10	-0.415457	69.334	ug/L	0.052					
B	11	-0.261212	343.677	ug/L	0.017					
C	12	470364.002		ug/L						
Na	23	185.138315	1357320	ug/L	12.387					
Mg	24	8.666526	41381.46	ug/L	0.153					
Mg	25	8.966716	5969.224	ug/L	0.022					
Al	27	0.762962	11101.22	ug/L	0.066					
Si	28	425561.393		ug/L						
P	31	-12.400825	13254.36	ug/L	2.039					
S	32	85250296.07		ug/L						
Cl	35	68531.08		ug/L						
K	39	2.683367	742601.3	ug/L	3.384					
Ca	44	34.428632	43528.3	ug/L	5.699					
Sc	45	175901.585		ug/L						
Ti	47	-0.043685	165.336	ug/L	0.02					
Ti	48	0.096724	-1479.41	ug/L	0.003					
V	51	-1.751163	15822.26	ug/L	0.116					
ClO	51	16255.029		ug/L						
Cr	52	0.021579	8085.028	ug/L	0.022					
Cr	53	-5.901474	4914.712	ug/L	0.442					
Fe	54	-34.332346	82961.15	ug/L	4.508					
Mn	55	0.193413	4313.066	ug/L	0.014					
Fe	56	28.185375	3055035	ug/L	0.403					
Fe	57	2.608237	8708.373	ug/L	1.65					
Co	59	-0.002071	73.668	ug/L	0.001					
Ni	60	0.018172	128.002	ug/L	0.001					
Ni	62	0.024632	62.668	ug/L	0.012					
Cu	63	0.091688	659.697	ug/L	0.006					
Zn	64	0.016371	1216.574	ug/L	0.005					
Cu	65	0.096077	323.009	ug/L	0.005					
Zn	66	0.02201	702.368	ug/L	0.049					
Zn	68	0.021118	598.359	ug/L	0.007					
Ge	72	174962.421		ug/L						
As	75	0.132599	361.451	ug/L	0.035					
Se	74	-155.742659	15368.47	mg/L	1.794					
ArCl	77	239.339		ug/L						

Br	79	1129.415	ug/L						
Br	81	25660.755	ug/L						
Y	89	485800.165	ug/L						
Mo	95	0.006834	310.675	ug/L	0.01				
Rh	103	476690.799	ug/L						
Ag	107	0.019303	786.709	ug/L	0.003				
Ag	109	0.015485	708.701	ug/L	0.003				
Cd	111	0.005879	43.001	ug/L	0				
Cd	114	0.041005	370.678	ug/L	0.001				
In	115	593128.672	ug/L						
Sb	121	-0.009306	1277.769	ug/L	0.004				
Sb	123	-0.001005	1012.219	ug/L	0.007				
Ba	137	0.129872	837.714	ug/L	0.003				
Ba	138	0.128813	5292.745	ug/L	0.001				
Tb	159	798447.281	ug/L						
Ho	165	776756.086	ug/L						
Hg	200	0.001365	20	ug/L	0.001				
Hg	202	-0.001513	19.667	ug/L	0.001				
Tl	205	0.01243	897.387	ug/L	0.002				
Pb	208	0.000423	773.02	ug/L	0				
Bi	209	456143.657	ug/L						
Se	77	-3.730739	238.67	mg/L	0.224				
Se	78	2.848702	15957.64	mg/L	0.657				
Se	82	0.072295	1.841	mg/L	0.207				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.278							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.907
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	104.66
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.184
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.14
Sample Date/Time Thursday August 25 2011 13:39:21
Autosampl Position: 144
Sample Description No digestion rerun
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.14.18346
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8178.349		ug/L						
Be	9	-0.006964	4.333	ug/L	0.004					
B	10	-0.442508	68.668	ug/L	0.044					
B	11	-0.291897	339.676	ug/L	0.039					
C	12	648289.01		ug/L						
Na	23	183.220673	1381900	ug/L	3.915					
Mg	24	8.593179	42151.7	ug/L	0.237					
Mg	25	8.502389	5819.112	ug/L	0.16					
Al	27	2.333729	22730.65	ug/L	0.075					
Si	28	541497.4		ug/L						
P	31	-14.355373	12880.41	ug/L	0.716					
S	32	85477676.24		ug/L						
Cl	35	56839.47		ug/L						
K	39	0.662806	743883.5	ug/L	1.754					
Ca	44	32.440289	44107.82	ug/L	1.792					
Sc	45	180661.924		ug/L						
Ti	47	-0.013631	194.337	ug/L	0.02					
Ti	48	0.141344	-1147.58	ug/L	0.007					
V	51	-1.878028	14917.39	ug/L	0.08					
ClO	51	15263.631		ug/L						
Cr	52	0.030336	8383.377	ug/L	0.032					
Cr	53	-6.485108	4431.124	ug/L	0.152					
Fe	54	-37.594993	83009.1	ug/L	6.356					
Mn	55	0.030378	2091.928	ug/L	0.007					
Fe	56	18.748235	3024538	ug/L	3.175					
Fe	57	1.790266	8718.385	ug/L	0.192					
Co	59	-0.002846	67.334	ug/L	0					
Ni	60	0.027566	154.67	ug/L	0					
Ni	62	0.044111	71.668	ug/L	0.031					
Cu	63	0.049599	451.682	ug/L	0.006					
Zn	64	-0.177767	777.913	ug/L	0.01					
Cu	65	0.047523	206.671	ug/L	0.011					
Zn	66	-0.156925	467.683	ug/L	0.006					
Zn	68	-0.18719	401.68	ug/L	0.018					
Ge	72	168879.832		ug/L						
As	75	0.151618	381.183	ug/L	0.056					
Se	74	164.991202	17949.38	mg/L	568.775					
ArCl	77	223.005		ug/L						

Br	79	1175.421	ug/L						
Br	81	25061.416	ug/L						
Y	89	474924.296	ug/L						
Mo	95	-0.009025	229.672	ug/L	0.003				
Rh	103	487645.401	ug/L						
Ag	107	0.004491	588.692	ug/L	0.003				
Ag	109	0.003959	558.689	ug/L	0.003				
Cd	111	0.003871	36	ug/L	0.003				
Cd	114	0.03328	307.675	ug/L	0.002				
In	115	588339.859	ug/L						
Sb	121	-0.018262	1172.754	ug/L	0.004				
Sb	123	-0.01626	880.125	ug/L	0.007				
Ba	137	0.168104	1060.739	ug/L	0.003				
Ba	138	0.162688	6552.939	ug/L	0.001				
Tb	159	792854.963	ug/L						
Ho	165	774363.6	ug/L						
Hg	200	0.002508	23	ug/L	0				
Hg	202	-0.001869	18.334	ug/L	0				
Tl	205	0.006876	701.701	ug/L	0				
Pb	208	-0.005021	508.344	ug/L	0				
Bi	209	454906.466	ug/L						
Se	77	-3.846991	224.003	mg/L	0.329				
Se	78	2.278789	15725.93	mg/L	1.111				
Se	82	0.231558	31.353	mg/L	0.048				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.938							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.329
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.815
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.863
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.01
Sample Date/Time Thursday August 25 2011 13:46:09
Autosampl Position: 145
Sample Description Aqtot 1:01 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.01.18347
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8434.578		ug/L						
Be	9	0.004931	10.667	ug/L	0.008					
B	10	71.771507	7982.917	ug/L	0.397					
B	11	72.701934	39018.95	ug/L	0.232					
C	12	490274.276		ug/L						
Na	23	29450.99853	2.5E+08	ug/L	216.397					
Mg	24	9576.816021	54634416	ug/L	81.714					
Mg	25	9538.198267	7632709	ug/L	109.37					
Al	27	4.578563	46262.06	ug/L	0.175					
Si	28	23655263.68		ug/L						
P	31	122.640789	74803.99	ug/L	4.356					
S	32	88292585.24		ug/L						
Cl	35	5203014.336		ug/L						
K	39	8628.720049	98843072	ug/L	185.687					
Ca	44	22982.19556	8693042	ug/L	245.954					
Sc	45	214764.637		ug/L						
Ti	47	1.628146	1813.866	ug/L	0.144					
Ti	48	19.611164	192162.2	ug/L	0.57					
V	51	-1.439257	23290.36	ug/L	0.033					
ClO	51	24054.691		ug/L						
Cr	52	0.513444	15133.34	ug/L	0.031					
Cr	53	-4.16278	8223.8	ug/L	0.111					
Fe	54	15699.7687	12781532	ug/L	105.387					
Mn	55	594.300976	10145564	ug/L	3.545					
Fe	56	15965.92449	2.3E+08	ug/L	26.571					
Fe	57	16400.58251	5640530	ug/L	480.053					
Co	59	1.154671	14995.84	ug/L	0.001					
Ni	60	5.779375	17096.23	ug/L	0.027					
Ni	62	5.077523	2339.658	ug/L	0.036					
Cu	63	7.178645	46095.37	ug/L	0.011					
Zn	64	23.545168	69418.95	ug/L	0.178					
Cu	65	6.968249	21339.23	ug/L	0.186					
Zn	66	24.058847	41586.32	ug/L	0.258					
Zn	68	24.081831	29910.42	ug/L	0.274					
Ge	72	174568.145		ug/L						
As	75	15.849024	27482.8	ug/L	0.236					
Se	74	-604.252544	10746.02	mg/L	110.912					
ArCl	77	633.028		ug/L						

Br	79	85184.421	ug/L						
Br	81	115968.276	ug/L						
Y	89	478134.282	ug/L						
Mo	95	6.12215	28356.45	ug/L	0.097				
Rh	103	460010.239	ug/L						
Ag	107	0.056796	1298.439	ug/L	0.002				
Ag	109	0.050686	1173.754	ug/L	0.001				
Cd	111	0.057367	218.671	ug/L	0.002				
Cd	114	0.067568	588.692	ug/L	0.003				
In	115	603610.042	ug/L						
Sb	121	0.088505	2359.997	ug/L	0.001				
Sb	123	0.091377	1798.263	ug/L	0.008				
Ba	137	22.256297	137254.1	ug/L	0.353				
Ba	138	22.474286	886962.4	ug/L	0.466				
Tb	159	812285.415	ug/L						
Ho	165	786657.596	ug/L						
Hg	200	0.002008	22	ug/L	0.001				
Hg	202	0.000379	26.667	ug/L	0.003				
Tl	205	-0.001562	414.68	ug/L	0				
Pb	208	4.875336	239373.2	ug/L	0.003				
Bi	209	539154.016	ug/L						
Se	77	-1.046318	577.352	mg/L	0.105				
Se	78	2.398829	15774.73	mg/L	0.489				
Se	82	1.182363	207.54	mg/L	0.159				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	119.991							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.675
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	106.509
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.512
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.04
Sample Date/Time Thursday August 25 2011 13:52:57
Autosampl Position: 146
Sample Description Aqtot 1:01 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.04.18348
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7676.573		ug/L						
Be	9	0.019438	16	ug/L	0.003					
B	10	64.114022	6557.43	ug/L	1.573					
B	11	65.105648	32123.98	ug/L	1.054					
C	12	477692.777		ug/L						
Na	23	36547.61753	2.85E+08	ug/L	328.521					
Mg	24	13014.25915	68160538	ug/L	4.718					
Mg	25	13041.83167	9579408	ug/L	201.628					
Al	27	87.872258	697955.7	ug/L	0.903					
Si	28	17614005.87		ug/L						
P	31	112.477413	64632.16	ug/L	0.772					
S	32	89507198.32		ug/L						
Cl	35	6123150.142		ug/L						
K	39	4964.405188	52529116	ug/L	174.827					
Ca	44	27540.1152	9553362	ug/L	641.821					
Sc	45	197159.756		ug/L						
Ti	47	7.348089	6726.888	ug/L	0.24					
Ti	48	29.44797	265985.1	ug/L	1.229					
V	51	-0.758621	29270.01	ug/L	0.085					
ClO	51	30178.309		ug/L						
Cr	52	0.203694	10849.3	ug/L	0.028					
Cr	53	-2.971871	8937.814	ug/L	0.221					
Fe	54	4246.358133	3259618	ug/L	57.808					
Mn	55	150.667459	2362194	ug/L	2.334					
Fe	56	4163.249844	57346955	ug/L	207.838					
Fe	57	4009.777666	1272604	ug/L	80.592					
Co	59	0.146035	1834.537	ug/L	0.001					
Ni	60	2.517872	6889.011	ug/L	0.058					
Ni	62	1.889683	836.714	ug/L	0.089					
Cu	63	0.812853	4971.076	ug/L	0.001					
Zn	64	6.472719	18470.16	ug/L	0.207					
Cu	65	0.446488	1342.446	ug/L	0.003					
Zn	66	6.523584	10902.31	ug/L	0.001					
Zn	68	7.700647	9218.097	ug/L	0.196					
Ge	72	165594.647		ug/L						
As	75	21.27147	34945.06	ug/L	0.092					
Se	74	-249.749048	13656.05	mg/L	462.821					
ArCl	77	743.705		ug/L						

Br	79	106502.748	ug/L						
Br	81	140799.363	ug/L						
Y	89	458880.342	ug/L						
Mo	95	1.409282	6394.979	ug/L	0.022				
Rh	103	441378.303	ug/L						
Ag	107	0.060134	1299.439	ug/L	0.004				
Ag	109	0.059205	1241.431	ug/L	0.009				
Cd	111	0.016818	78.334	ug/L	0.001				
Cd	114	0.020265	205.004	ug/L	0.002				
In	115	584082.522	ug/L						
Sb	121	0.081125	2205.956	ug/L	0.006				
Sb	123	0.087138	1706.25	ug/L	0.008				
Ba	137	49.255533	293902.8	ug/L	0.407				
Ba	138	49.303377	1882809	ug/L	0.232				
Tb	159	793046.834	ug/L						
Ho	165	783082.484	ug/L						
Hg	200	0.034249	109.335	ug/L	0.007				
Hg	202	0.024786	113.669	ug/L	0.001				
Tl	205	-0.003936	329.343	ug/L	0				
Pb	208	0.189792	10005.26	ug/L	0.002				
Bi	209	504759.816	ug/L						
Se	77	0.179672	732.029	mg/L	0.045				
Se	78	2.314225	15740.34	mg/L	1.093				
Se	82	1.495835	265.627	mg/L	0.465				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	110.155							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	97.397
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	103.064
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	105.032
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05
Sample Date/Time Thursday August 25 2011 13:59:46
Autosampl Position: 147
Sample Descriptior Aqtot 1:01 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.05.18349
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7288.254		ug/L						
Be	9	0.008577	11.333	ug/L	0.005					
B	10	93.425494	9488.044	ug/L	1.437					
B	11	96.394859	47249.61	ug/L	0.539					
C	12	516289.485		ug/L						
Na	23	31863.63805	2.48E+08	ug/L	37.231					
Mg	24	9864.086259	51582141	ug/L	110.12					
Mg	25	9962.020208	7307566	ug/L	164.869					
Al	27	6.511234	57594.32	ug/L	0.104					
Si	28	19048444.52		ug/L						
P	31	163.530679	84845.88	ug/L	0.701					
S	32	86994503.48		ug/L						
Cl	35	4996730.066		ug/L						
K	39	9917.28497	1.04E+08	ug/L	203.293					
Ca	44	22559.04769	7821486	ug/L	394.307					
Sc	45	196844.369		ug/L						
Ti	47	1.74576	1767.523	ug/L	0.124					
Ti	48	18.550748	166539	ug/L	2.512					
V	51	-1.031377	26073.93	ug/L	0.031					
ClO	51	26653.618		ug/L						
Cr	52	0.086408	9686.639	ug/L	0.009					
Cr	53	-3.639853	8147.731	ug/L	0.055					
Fe	54	8555.957467	6437898	ug/L	160.756					
Mn	55	765.605572	11978484	ug/L	11.261					
Fe	56	8770.518428	1.17E+08	ug/L	183.721					
Fe	57	8955.31782	2827482	ug/L	76.116					
Co	59	0.440504	5309.937	ug/L	0.005					
Ni	60	3.452381	9398.617	ug/L	0.001					
Ni	62	2.834051	1223.428	ug/L	0.061					
Cu	63	0.44976	2836.471	ug/L	0.006					
Zn	64	0.965072	3872.454	ug/L	0.01					
Cu	65	0.141972	489.351	ug/L	0.004					
Zn	66	0.82389	2033.248	ug/L	0.048					
Zn	68	2.758513	3712.796	ug/L	0.082					
Ge	72	161539.931		ug/L						
As	75	41.901	67033.52	ug/L	0.013					
Se	74	-436.496869	11529.95	mg/L	309.563					
ArCl	77	649.363		ug/L						

Br	79	143846.204	ug/L						
Br	81	178750.045	ug/L						
Y	89	461191.678	ug/L						
Mo	95	0.850721	3868.529	ug/L	0.023				
Rh	103	438685.983	ug/L						
Ag	107	0.060909	1269.101	ug/L	0.006				
Ag	109	0.037571	942.725	ug/L	0.004				
Cd	111	0.019663	85.001	ug/L	0.001				
Cd	114	0.018649	186.67	ug/L	0.001				
In	115	566191.692	ug/L						
Sb	121	0.050586	1828.202	ug/L	0.002				
Sb	123	0.058903	1433.65	ug/L	0.004				
Ba	137	74.807596	432669	ug/L	0.613				
Ba	138	76.073995	2815829	ug/L	1.277				
Tb	159	796264.911	ug/L						
Ho	165	778410.106	ug/L						
Hg	200	0.022722	77.668	ug/L	0.001				
Hg	202	0.016234	82.668	ug/L	0				
Tl	205	0.013051	921.056	ug/L	0				
Pb	208	0.022068	1822.089	ug/L	0.001				
Bi	209	503067.221	ug/L						
Se	77	-0.729252	617.354	mg/L	0.493				
Se	78	1.193225	15284.57	mg/L	0.606				
Se	82	1.997356	358.56	mg/L	0.1				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	109.979							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.012
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.907
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.406
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.01
Sample Date/Time Thursday August 25 2011 14:06:34
Autosampl Position: 148
Sample Description Aqdis 1:01 Fe + Mn
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.01.18350
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7265.569		ug/L						
Be	9	-0.001568	7	ug/L	0.01					
B	10	97.875519	9854.771	ug/L	0.367					
B	11	97.490095	47392.02	ug/L	1.133					
C	12	1539959.782		ug/L						
Na	23	16507.67937	1.27E+08	ug/L	279.747					
Mg	24	5085.996118	26376848	ug/L	111.977					
Mg	25	5175.98873	3766061	ug/L	41.35					
Al	27	0.279866	8568.226	ug/L	0.013					
Si	28	18416589.6		ug/L						
P	31	165.134263	84788.67	ug/L	2.226					
S	32	86447639.77		ug/L						
Cl	35	353794.449		ug/L						
K	39	8426.436392	87786081	ug/L	44.978					
Ca	44	14442.25776	4979970	ug/L	169.211					
Sc	45	195251.978		ug/L						
Ti	47	1.644994	1664.169	ug/L	0.05					
Ti	48	11.09046	97664.48	ug/L	0.495					
V	51	-1.768177	17390.14	ug/L	0.076					
ClO	51	17999.657		ug/L						
Cr	52	0.027273	9032.708	ug/L	0.026					
Cr	53	-6.314487	4986.752	ug/L	0.235					
Fe	54	9529.890377	7099806	ug/L	24.76					
Mn	55	413.633478	6420464	ug/L	0.106					
Fe	56	9580.10713	1.27E+08	ug/L	62.967					
Fe	57	9662.996329	3025158	ug/L	149.849					
Co	59	6.240092	73205.29	ug/L	0.065					
Ni	60	5.104904	13738.85	ug/L	0.089					
Ni	62	4.780036	2005.908	ug/L	0.047					
Cu	63	0.33866	2167.613	ug/L	0.009					
Zn	64	0.487528	2587.724	ug/L	0.017					
Cu	65	0.189767	618.027	ug/L	0.008					
Zn	66	0.311577	1227.429	ug/L	0.016					
Zn	68	0.823849	1548.814	ug/L	0.052					
Ge	72	166289.816		ug/L						
As	75	119.270149	196169.5	ug/L	2.675					
Se	74	-580.147704	10456.94	mg/L	384.315					
ArCl	77	262.34		ug/L						

Br	79	54482.985	ug/L						
Br	81	79978.444	ug/L						
Y	89	475491.665	ug/L						
Mo	95	11.206873	49226.1	ug/L	0.11				
Rh	103	453115.497	ug/L						
Ag	107	-0.032213	114.335	ug/L	0				
Ag	109	-0.03292	97.002	ug/L	0.003				
Cd	111	0.038552	152.003	ug/L	0.003				
Cd	114	0.028727	274.34	ug/L	0.002				
In	115	593207.382	ug/L						
Sb	121	0.027011	1664.502	ug/L	0				
Sb	123	0.033492	1294.967	ug/L	0.006				
Ba	137	15.965358	96778.07	ug/L	0.162				
Ba	138	16.040275	622275	ug/L	0.127				
Tb	159	795794.765	ug/L						
Ho	165	789583.571	ug/L						
Hg	200	0.00417	28	ug/L	0.001				
Hg	202	0.000069	25.667	ug/L	0				
Tl	205	-0.001287	426.014	ug/L	0				
Pb	208	0.006237	1071.368	ug/L	0				
Bi	209	521114.509	ug/L						
Se	77	-3.773013	233.336	mg/L	0.105				
Se	78	-0.247743	14698.71	mg/L	0.685				
Se	82	0.718848	121.649	mg/L	0.24				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	109.089							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.806
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	104.674
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.904
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.03
Sample Date/Time Thursday August 25 2011 14:13:22
Autosampl Position: 149
Sample Description Aqdis 1:01 Fe + Mn
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.03.18351
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7705.933		ug/L						
Be	9	-0.003788	6.667	ug/L	0					
B	10	32.398613	3686.784	ug/L	1.477					
B	11	32.087581	17595.19	ug/L	0.608					
C	12	3097379.737		ug/L						
Na	23	5754.64463	49073949	ug/L	132.522					
Mg	24	3444.684688	19723417	ug/L	56.458					
Mg	25	3480.13251	2794001	ug/L	156.91					
Al	27	1.506801	20003.99	ug/L	0.112					
Si	28	28920985.21		ug/L						
P	31	67.027715	50840.17	ug/L	2.17					
S	32	89285574.61		ug/L						
Cl	35	249317.115		ug/L						
K	39	6661.151873	76781088	ug/L	143.804					
Ca	44	17188.79503	6534192	ug/L	536.044					
Sc	45	215583.156		ug/L						
Ti	47	1.637796	1830.203	ug/L	0.043					
Ti	48	13.797152	134859.3	ug/L	0.047					
V	51	-2.00908	16149.5	ug/L	0.002					
ClO	51	16688.142		ug/L						
Cr	52	0.089928	10646.23	ug/L	0.005					
Cr	53	-7.049609	4568.861	ug/L	0.003					
Fe	54	21456.89918	17476993	ug/L	1009.05					
Mn	55	478.742511	8200144	ug/L	18.914					
Fe	56	22187.63509	3.2E+08	ug/L	365.488					
Fe	57	22208.46804	7659643	ug/L	1068.849					
Co	59	2.179998	28300.6	ug/L	0.084					
Ni	60	3.958548	11783.08	ug/L	0.106					
Ni	62	3.604275	1686.507	ug/L	0.035					
Cu	63	0.123595	1014.4	ug/L	0.004					
Zn	64	0.406717	2622.109	ug/L	0.014					
Cu	65	0.091736	382.345	ug/L	0.002					
Zn	66	0.190672	1148.751	ug/L	0.029					
Zn	68	0.571728	1403.456	ug/L	0.004					
Ge	72	173328.814		ug/L						
As	75	102.495221	175757.8	ug/L	1.006					
Se	74	-498.770942	11725.83	mg/L	387.044					
ArCl	77	256.34		ug/L						

Br	79	23595.152	ug/L						
Br	81	48194.899	ug/L						
Y	89	474219.967	ug/L						
Mo	95	0.232385	1335.111	ug/L	0.001				
Rh	103	453070.612	ug/L						
Ag	107	-0.006308	455.349	ug/L	0				
Ag	109	-0.00929	398.679	ug/L	0.003				
Cd	111	0.007647	49.334	ug/L	0.004				
Cd	114	0.006322	100.002	ug/L	0.005				
In	115	596892.235	ug/L						
Sb	121	0.005619	1445.796	ug/L	0.001				
Sb	123	0.016391	1161.778	ug/L	0.002				
Ba	137	6.795286	41474.47	ug/L	0.142				
Ba	138	6.824942	266540.4	ug/L	0.226				
Tb	159	802092.025	ug/L						
Ho	165	796500.963	ug/L						
Hg	200	-0.000149	16.334	ug/L	0				
Hg	202	-0.002102	18	ug/L	0				
Tl	205	0.003538	601.36	ug/L	0.004				
Pb	208	0.002993	918.695	ug/L	0.004				
Bi	209	534229.054	ug/L						
Se	77	-3.603918	254.67	mg/L	0.254				
Se	78	-0.137153	14743.67	mg/L	0.004				
Se	82	0.622941	103.877	mg/L	0.117				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	120.449							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.946
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	105.324
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	106.832
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.04
Sample Date/Time Thursday August 25 2011 14:20:10
Autosampl Position: 150
Sample Descriptior Aqdis 1:01 Fe + Mn
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.04.18352
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8298.453		ug/L						
Be	9	-0.007085	5	ug/L	0.001					
B	10	5.951316	763.04	ug/L	0.349					
B	11	6.063396	3679.115	ug/L	0.066					
C	12	1449644.38		ug/L						
Na	23	4370.612495	36304054	ug/L	104.169					
Mg	24	1289.49264	7187741	ug/L	24.376					
Mg	25	1255.573206	981807.2	ug/L	10.4					
Al	27	0.36127	9889.698	ug/L	0.007					
Si	28	17997947.78		ug/L						
P	31	8.356793	24602.39	ug/L	1.343					
S	32	93087716.51		ug/L						
Cl	35	147830.431		ug/L						
K	39	975.487914	11677130	ug/L	23.721					
Ca	44	5249.650382	1970375	ug/L	27.568					
Sc	45	209823.216		ug/L						
Ti	47	0.899999	1086.742	ug/L	0.005					
Ti	48	4.973253	45571.56	ug/L	0.306					
V	51	-2.337192	11665.6	ug/L	0.017					
ClO	51	11911.258		ug/L						
Cr	52	-0.130741	8058.944	ug/L	0.003					
Cr	53	-7.713973	3621.424	ug/L	0.074					
Fe	54	6828.35083	5502365	ug/L	71.323					
Mn	55	1402.925594	23394213	ug/L	37.141					
Fe	56	6798.511029	97647646	ug/L	287.581					
Fe	57	7021.416577	2364976	ug/L	37.621					
Co	59	8.963575	112956.5	ug/L	0.068					
Ni	60	13.01906	37501.91	ug/L	0.058					
Ni	62	12.696114	5619.793	ug/L	0.086					
Cu	63	0.109465	898.72	ug/L	0.001					
Zn	64	1.019235	4280.145	ug/L	0.025					
Cu	65	0.092398	374.011	ug/L	0.002					
Zn	66	0.728638	2009.242	ug/L	0.007					
Zn	68	1.000751	1874.212	ug/L	0.032					
Ge	72	175039.743		ug/L						
As	75	13.218684	23005.15	ug/L	0.169					
Se	74	46.891259	17446.29	mg/L	528.154					
ArCl	77	235.672		ug/L						

Br	79	6242.872	ug/L						
Br	81	32125.995	ug/L						
Y	89	498918.26	ug/L						
Mo	95	0.087579	682.366	ug/L	0.01				
Rh	103	474016.495	ug/L						
Ag	107	-0.00929	428.681	ug/L	0.003				
Ag	109	-0.010929	389.012	ug/L	0.001				
Cd	111	-0.000756	21.667	ug/L	0.001				
Cd	114	0.000115	52.334	ug/L	0				
In	115	615241.105	ug/L						
Sb	121	-0.029201	1106.078	ug/L	0.005				
Sb	123	-0.0261	836.744	ug/L	0.003				
Ba	137	7.783884	48961.99	ug/L	0.144				
Ba	138	7.845962	315815.8	ug/L	0.175				
Tb	159	801162.783	ug/L						
Ho	165	799296.321	ug/L						
Hg	200	-0.000534	15.334	ug/L	0.002				
Hg	202	-0.002674	16	ug/L	0.001				
Tl	205	-0.001842	411.347	ug/L	0				
Pb	208	0.008996	1221.711	ug/L	0				
Bi	209	549778.864	ug/L						
Se	77	-3.487666	269.337	mg/L	0.09				
Se	78	1.977537	15603.45	mg/L	0.691				
Se	82	0.133121	13.112	mg/L	0.203				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	117.231							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.952
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	108.562
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	107.207
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.15
Sample Date/Time Thursday August 25 2011 14:26:58
Autosampl Position: 151
Sample Description Aqdis 1:01 Fe + Mn
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.15.18353
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7978.173		ug/L						
Be	9	-0.006441	5.333	ug/L	0.004					
B	10	122.515201	13261.8	ug/L	2.642					
B	11	124.391323	65008.59	ug/L	4.264					
C	12	4928157.182		ug/L						
Na	23	14641.95863	1.22E+08	ug/L	117.477					
Mg	24	9324.061362	52112068	ug/L	282.814					
Mg	25	9218.352025	7227196	ug/L	265.651					
Al	27	0.29709	9375.77	ug/L	0.051					
Si	28	23868300.86		ug/L						
P	31	241.681619	123924.6	ug/L	10.817					
S	32	92206978.12		ug/L						
Cl	35	277578.016		ug/L						
K	39	14924.65486	1.67E+08	ug/L	691.139					
Ca	44	29694.41898	10990974	ug/L	1154.202					
Sc	45	210492.803		ug/L						
Ti	47	2.005386	2132.938	ug/L	0.14					
Ti	48	26.539271	255738	ug/L	0.403					
V	51	-2.192583	13488.8	ug/L	0.026					
ClO	51	13904.432		ug/L						
Cr	52	-0.060551	8816.465	ug/L	0.019					
Cr	53	-7.497469	3900.876	ug/L	0.087					
Fe	54	11079.31846	8876830	ug/L	95.765					
Mn	55	562.339685	9407238	ug/L	8.174					
Fe	56	11004.27608	1.57E+08	ug/L	145.97					
Fe	57	11221.6109	3784317	ug/L	348.359					
Co	59	1.995262	25302.75	ug/L	0.057					
Ni	60	4.581688	13301.19	ug/L	0.083					
Ni	62	3.719844	1696.175	ug/L	0.152					
Cu	63	0.199698	1465.133	ug/L	0.017					
Zn	64	2.535018	8579.22	ug/L	0.101					
Cu	65	0.113401	438.015	ug/L	0.001					
Zn	66	2.129281	4338.745	ug/L	0.119					
Zn	68	3.016385	4274.381	ug/L	0.107					
Ge	72	169846.798		ug/L						
As	75	36.920198	62112.35	ug/L	0.419					
Se	74	-47.485367	15970.6	mg/L	332.588					
ArCl	77	248.006		ug/L						

Br	79	73562.496	ug/L						
Br	81	103137.126	ug/L						
Y	89	478073.823	ug/L						
Mo	95	0.361963	1886.548	ug/L	0.002				
Rh	103	455184.532	ug/L						
Ag	107	-0.025553	202.671	ug/L	0.001				
Ag	109	-0.027529	166.67	ug/L	0.003				
Cd	111	0.005505	42.001	ug/L	0.002				
Cd	114	0.010173	130.002	ug/L	0.001				
In	115	596962.964	ug/L						
Sb	121	0.000864	1394.454	ug/L	0.01				
Sb	123	0.004707	1065.389	ug/L	0.007				
Ba	137	31.639612	192969.1	ug/L	0.343				
Ba	138	31.801173	1241248	ug/L	0.56				
Tb	159	802746.942	ug/L						
Ho	165	783968.786	ug/L						
Hg	200	0.001176	19.667	ug/L	0.001				
Hg	202	-0.002304	17	ug/L	0.001				
Tl	205	-0.00335	350.344	ug/L	0				
Pb	208	0.000201	769.354	ug/L	0.001				
Bi	209	521855.317	ug/L						
Se	77	-4.090064	193.335	mg/L	0.045				
Se	78	0.982673	15198.96	mg/L	0.329				
Se	82	1.110236	194.174	mg/L	0.031				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	117.605							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.898
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	105.336
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.151
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	1						
Sample	Date/Time	Thursday	August	25	2011	14:33:40				
Autosampl	Position:	5								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	1.18354						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8373.188		ug/L						
Be	9	-0.006931	4.333	ug/L	0.001					
B	10	0.631726	166.337	ug/L	0.217					
B	11	0.608143	735.37	ug/L	0.043					
C	12	452707.683		ug/L						
Na	23	-1.335409	64861.09	ug/L	0.864					
Mg	24	1.048842	5915.869	ug/L	0.198					
Mg	25	1.081667	816.785	ug/L	0.123					
Al	27	0.287663	7934.255	ug/L	0.038					
Si	28	79204.968		ug/L						
P	31	12.090509	22416.57	ug/L	3.333					
S	32	95643584.81		ug/L						
Cl	35	8071846.724		ug/L						
K	39	9.079136	819215.4	ug/L	3.434					
Ca	44	-23.86184	26116.74	ug/L	2.224					
Sc	45	179562.856		ug/L						
Ti	47	-0.026824	182.67	ug/L	0.006					
Ti	48	0.114183	-1365.51	ug/L	0.003					
V	51	-0.724711	27035.81	ug/L	0.103					
ClO	51	27650.612		ug/L						
Cr	52	0.03836	8407.411	ug/L	0.002					
Cr	53	-2.071451	9103.319	ug/L	0.297					
Fe	54	23.131271	123454.5	ug/L	3.664					
Mn	55	0.060956	2515.707	ug/L	0.01					
Fe	56	33.679108	3184063	ug/L	0.578					
Fe	57	11.272601	11381.6	ug/L	2.64					
Co	59	-0.002321	72.668	ug/L	0					
Ni	60	0.007168	103.668	ug/L	0.006					
Ni	62	0.023732	63.668	ug/L	0.024					
Cu	63	0.001842	194.004	ug/L	0.003					
Zn	64	0.089074	1417.131	ug/L	0.03					
Cu	65	-0.002829	77.334	ug/L	0.003					
Zn	66	0.080473	801.043	ug/L	0.021					
Zn	68	0.029428	619.027	ug/L	0.01					
Ge	72	171312.456		ug/L						
As	75	0.002499	132.695	ug/L	0.071					
Se	74	86.861519	17492.98	mg/L	273.857					
ArCl	77	678.365		ug/L						

Br	79	3206.264	ug/L						
Br	81	29685.364	ug/L						
Y	89	486973.409	ug/L						
Mo	95	0.019545	361.677	ug/L	0.001				
Rh	103	483237.192	ug/L						
Ag	107	0.033417	1005.066	ug/L	0.001				
Ag	109	0.029691	919.722	ug/L	0.003				
Cd	111	-0.001878	17.667	ug/L	0.001				
Cd	114	-0.000355	48.334	ug/L	0.001				
In	115	613828.124	ug/L						
Sb	121	0.03175	1774.858	ug/L	0.002				
Sb	123	0.03515	1353.309	ug/L	0.001				
Ba	137	0.007176	97.668	ug/L	0				
Ba	138	0.006222	558.549	ug/L	0.001				
Tb	159	811584.055	ug/L						
Ho	165	784287.79	ug/L						
Hg	200	0.002246	22.667	ug/L	0.002				
Hg	202	-0.000158	24.667	ug/L	0				
Tl	205	-0.003851	333.343	ug/L	0.001				
Pb	208	0.00431	969.697	ug/L	0.001				
Bi	209	553479.087	ug/L						
Se	77	-0.327636	668.025	mg/L	0.523				
Se	78	3.079174	16051.34	mg/L	0.148				
Se	82	0.268719	38.238	mg/L	0.11				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.324							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.76
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	108.312
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	105.194
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	QC	Std	2						
Sample	Date/Time	Thursday	August	25	2011	14:40:50				
Autosampl	Position:	6								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	2.18355						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8540.01		ug/L						
Be	9	76.971958	30871.97	ug/L	0.103					
B	10	85.969012	8252.161	ug/L	1.339					
B	11	86.301936	39986.82	ug/L	0.219					
C	12	428631.441		ug/L						
Na	23	95.253689	776074.4	ug/L	0.866					
Mg	24	102.862917	508701.5	ug/L	0.701					
Mg	25	104.108394	72182.63	ug/L	0.888					
Al	27	103.474245	773389.1	ug/L	2.395					
Si	28	263078.898		ug/L						
P	31	6.490589	21076.63	ug/L	5.983					
S	32	95873843.21		ug/L						
Cl	35	8325884.118		ug/L						
K	39	1063.42736	11207390	ug/L	16.703					
Ca	44	82.490674	61681.36	ug/L	0.223					
Sc	45	185828.106		ug/L						
Ti	47	103.962464	86956.1	ug/L	1.481					
Ti	48	105.952798	908693.5	ug/L	1.105					
V	51	101.964679	1151326	ug/L	1.241					
ClO	51	1170799.345		ug/L						
Cr	52	104.71262	976391.4	ug/L	1.942					
Cr	53	102.364009	124380	ug/L	1.95					
Fe	54	127.752656	200713.4	ug/L	8.744					
Mn	55	101.450877	1499975	ug/L	0.701					
Fe	56	128.140174	4456389	ug/L	10.485					
Fe	57	110.997372	41418.33	ug/L	4.11					
Co	59	103.778272	1157107	ug/L	2.113					
Ni	60	99.595692	253475.3	ug/L	0.927					
Ni	62	99.139699	38475.63	ug/L	0.96					
Cu	63	102.22759	565430.3	ug/L	0.881					
Zn	64	97.480127	244779.4	ug/L	0.118					
Cu	65	103.626413	273398.6	ug/L	0.424					
Zn	66	96.739579	142544.6	ug/L	0.094					
Zn	68	95.954695	101300.6	ug/L	1.436					
Ge	72	171311.076		ug/L						
As	75	112.125548	190010	ug/L	0.646					
Se	74	130.066682	17911.83	mg/L	105.814					
ArCl	77	14244.293		ug/L						

Br	79	2469.028	ug/L		
Br	81	28035.777	ug/L		
Y	89	492763.239	ug/L		
Mo	95	106.941246	481577.8	ug/L	1.008
Rh	103	478943.776	ug/L		
Ag	107	60.465922	810177.1	ug/L	1.695
Ag	109	59.616216	773030	ug/L	0.9
Cd	111	105.617977	361777	ug/L	0.012
Cd	114	105.127541	844565.8	ug/L	0.125
In	115	608419.152	ug/L		
Sb	121	98.554322	1077729	ug/L	4.729
Sb	123	99.052166	832079.8	ug/L	5.168
Ba	137	106.197265	660017.1	ug/L	1.099
Ba	138	106.990338	4255661	ug/L	0.844
Tb	159	795391.11	ug/L		
Ho	165	780319.109	ug/L		
Hg	200	1.004211	2730.771	ug/L	0.004
Hg	202	0.963164	3448.355	ug/L	0.042
Tl	205	107.331518	3761316	ug/L	1.873
Pb	208	104.375051	5066721	ug/L	2.051
Bi	209	560866.35	ug/L		
Se	77	108.952999	14455.49	mg/L	3.278
Se	78	108.243414	58808.16	mg/L	1.206
Se	82	106.7542	19770.33	mg/L	0.123

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	76.21							
|	B	85.712							
|	B	86.044							
|	C								
|	Na	94.031							
|	Mg	101.844							
|	Mg	103.078							
|	Al	103.062							
|	Si								
|	P								
|	S								
|	Cl								
|	K	106.025							
|	Ca	81.755							
|>	Sc	103.824							
|	Ti	103.962							
|	Ti	105.953							
|	V	101.558							
|	ClO								
|	Cr	103.676							

	Cr	101.351
	Fe	126.991
	Mn	101.047
	Fe	127.376
	Fe	110.335
	Co	103.159
	Ni	98.805
	Ni	98.353
	Cu	102.33
	Zn	96.803
	Cu	103.73
	Zn	96.067
|-	Zn	95.288
|>	Ge	100.759
	As	112.802
	Se	129.807
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	106.621
|-	Rh	
	Ag	59.986
	Ag	59.143
	Cd	105.093
	Cd	104.605
|>	In	107.358
	Sb	98.26
	Sb	98.756
	Ba	105.459
|-	Ba	106.247
|-	Tb	
|>	Ho	104.662
	Hg	100.421
	Hg	96.316
	Tl	107.332
	Pb	104.375
|-	Bi	
	Se	108.736
	Se	108.027
	Se	106.541

Sample	ID:	QC	Std	5						
Sample	Date/Time	Thursday	August	25	2011	14:47:58				
Autosampl	Position:	7								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	5.18356						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8572.041	ug/L							
Be	9	33.567598	13316.21	ug/L	0.206					
B	10	143.427417	13539.55	ug/L	2.086					
B	11	139.724337	63721.22	ug/L	0.956					
C	12	425145.658	ug/L							
Na	23	-1.675887	63927.16	ug/L	0.428					
Mg	24	0.691885	4314.796	ug/L	0.115					
Mg	25	0.814287	653.422	ug/L	0.016					
Al	27	183.447826	1351217	ug/L	0.836					
Si	28	135563.414	ug/L							
P	31	12.52816	23088.26	ug/L	1.938					
S	32	93882108.01	ug/L							
Cl	35	7748786.456	ug/L							
K	39	2.065589	770328.3	ug/L	1.379					
Ca	44	-18.071771	28594.42	ug/L	0.675					
Sc	45	183747.877	ug/L							
Ti	47	0.04675	247.673	ug/L	0.001					
Ti	48	0.156523	-1037.87	ug/L	0.008					
V	51	25.010639	306023.5	ug/L	0.351					
ClO	51	315907.579	ug/L							
Cr	52	51.015857	474577	ug/L	1.048					
Cr	53	49.33573	65263.75	ug/L	1.241					
Fe	54	208.065013	253845.2	ug/L	5.315					
Mn	55	110.402082	1613697	ug/L	2.674					
Fe	56	213.039607	5438909	ug/L	7.675					
Fe	57	186.5924	63148.21	ug/L	5.626					
Co	59	24.981511	275487.9	ug/L	0.44					
Ni	60	200.405407	504150.8	ug/L	6.917					
Ni	62	202.85563	77777.1	ug/L	5.44					
Cu	63	80.457878	440020.9	ug/L	2.104					
Zn	64	100.575418	249664.5	ug/L	1.437					
Cu	65	80.994507	211305	ug/L	0.842					
Zn	66	101.586773	147953.5	ug/L	2.537					
Zn	68	102.804324	107273.6	ug/L	0.997					
Ge	72	172596.413	ug/L							
As	75	47.57417	81302.66	ug/L	0.193					
Se	74	309.251309	19876.2	mg/L	342.509					
ArCl	77	22518.416	ug/L							

Br	79	2270.974	ug/L			
Br	81	27931.79	ug/L			
Y	89	492017.377	ug/L			
Mo	95	46.07594	209215.4	ug/L	0.926	
Rh	103	486338.046	ug/L			
Ag	107	54.165142	726538.8	ug/L	0.065	
Ag	109	53.323554	692086.1	ug/L	0.627	
Cd	111	23.956853	82138.89	ug/L	0.58	
Cd	114	23.825359	191589	ug/L	0.541	
In	115	609055.037	ug/L			
Sb	121	52.630478	576593.2	ug/L	1.024	
Sb	123	52.183234	439130.7	ug/L	1.265	
Ba	137	147.213566	915703.3	ug/L	2.313	
Ba	138	148.767858	5922053	ug/L	2.947	
Tb	159	797046.969	ug/L			
Ho	165	778275.194	ug/L			
Hg	200	0.991358	2688.424	ug/L	0.019	
Hg	202	0.991303	3541.726	ug/L	0.016	
Tl	205	14.700799	514132.3	ug/L	0.453	
Pb	208	107.333788	5196213	ug/L	2.78	
Bi	209	558300.973	ug/L			
Se	77	171.357193	22328.76	mg/L	8.78	
Se	78	177.402218	86926.19	mg/L	6.24	
Se	82	171.797156	31823	mg/L	4.24	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	78.797							
|	B	89.642							
|	B	87.328							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	104.232							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.662							
|	Ti								
|	Ti								
|	V	100.444							
|	ClO								
|	Cr	103.691							

|	Cr	100.276
|	Fe	116.237
|	Mn	104.153
|	Fe	119.017
|	Fe	104.242
|	Co	107.217
|	Ni	98.238
|	Ni	99.439
|	Cu	102.887
|	Zn	95.786
|	Cu	103.574
|	Zn	96.749
|-	Zn	97.909
|>	Ge	101.515
|	As	120.747
|	Se	193.282
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	109.966
|-	Rh	
|	Ag	107.684
|	Ag	106.011
|	Cd	103.262
|	Cd	102.696
|>	In	107.47
|	Sb	113.184
|	Sb	112.222
|	Ba	104.407
|-	Ba	105.509
|-	Tb	
|>	Ho	104.388
|	Hg	99.136
|	Hg	99.13
|	Tl	103.527
|	Pb	103.206
|-	Bi	
	Se	107.098
	Se	110.876
	Se	107.373

Sample	ID:	QC	Std	6						
Sample	Date/Time	Thursday	August	25	2011	14:55:07				
Autosampl	Position:	8								
Sample	Description:									
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\D:	Std	6.18357						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8112.952		ug/L						
Be	9	0.002192	8	ug/L	0.012					
B	10	0.373438	144.336	ug/L	0.122					
B	11	0.612486	744.038	ug/L	0.073					
C	12	411996.462		ug/L						
Na	23	10221.47071	73228381	ug/L	318.194					
Mg	24	10150.69273	48867565	ug/L	179.069					
Mg	25	10382.0789	7011501	ug/L	125.123					
Al	27	10495.31758	75910963	ug/L	219.856					
Si	28	73963.699		ug/L						
P	31	10222.62137	3764152	ug/L	284.454					
S	32	90249781.68		ug/L						
Cl	35	1785986.178		ug/L						
K	39	10615.53457	1.02E+08	ug/L	35.568					
Ca	44	10557.20756	3387224	ug/L	457.163					
Sc	45	181265.797		ug/L						
Ti	47	31.835617	26109.37	ug/L	0.974					
Ti	48	8.306463	67415.45	ug/L	0.764					
V	51	-1.788431	15929.44	ug/L	0.029					
ClO	51	16429.665		ug/L						
Cr	52	0.08683	8921.225	ug/L	0.028					
Cr	53	-5.744501	5241.897	ug/L	0.095					
Fe	54	10640.82253	7344680	ug/L	291.973					
Mn	55	0.076272	2759.113	ug/L	0.012					
Fe	56	10846.40203	1.33E+08	ug/L	430.42					
Fe	57	11155.29171	3240779	ug/L	125.519					
Co	59	0.03334	461.35	ug/L	0.001					
Ni	60	0.338677	927.39	ug/L	0.004					
Ni	62	0.061439	78.668	ug/L	0.018					
Cu	63	0.243629	1500.139	ug/L	0.001					
Zn	64	0.724914	2979.78	ug/L	0.029					
Cu	65	0.142795	452.682	ug/L	0.003					
Zn	66	0.67409	1657.501	ug/L	0.019					
Zn	68	0.600675	1209.093	ug/L	0.053					
Ge	72	171484.947		ug/L						
As	75	0.153499	389.287	ug/L	0.004					
Se	74	-250.56724	14108.32	mg/L	232.863					
ArCl	77	414.68		ug/L						

Br	79	1612.492	ug/L						
Br	81	26803.058	ug/L						
Y	89	469259.788	ug/L						
Mo	95	0.249275	1396.789	ug/L	0.053				
Rh	103	454185.336	ug/L						
Ag	107	0.335186	4968.413	ug/L	0.051				
Ag	109	0.335695	4807.328	ug/L	0.062				
Cd	111	0.011551	63.001	ug/L	0.002				
Cd	114	0.013279	156.003	ug/L	0.001				
In	115	601972.479	ug/L						
Sb	121	0.80142	10029.98	ug/L	0.112				
Sb	123	0.797847	7638.254	ug/L	0.109				
Ba	137	0.060824	424.681	ug/L	0.008				
Ba	138	0.059197	2626.228	ug/L	0.007				
Tb	159	787482.878	ug/L						
Ho	165	781905.615	ug/L						
Hg	200	0.013752	53.667	ug/L	0.001				
Hg	202	0.010903	64.001	ug/L	0.001				
Tl	205	0.004259	616.36	ug/L	0.002				
Pb	208	0.049653	3173.249	ug/L	0.001				
Bi	209	514989.741	ug/L						
Se	77	-2.758441	361.341	mg/L	0.164				
Se	78	1.620671	15458.36	mg/L	1.048				
Se	82	0.441416	70.24	mg/L	0.195				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	102.215							
|	Mg	101.507							
|	Mg	103.821							
|	Al	104.953							
|	Si								
|	P	102.226							
|	S								
|	Cl								
|	K	106.155							
|	Ca	105.572							
|>	Sc	101.275							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	106.408
	Mn	
	Fe	108.464
	Fe	111.553
	Co	
	Ni	
	Ni	
	Cu	
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	Cu	
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>	Ge	100.861
	As	
	Se	
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	Br	
	Br	
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	Ag	
	Ag	
	Cd	
	Cd	
>	In	106.22
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	104.875
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

eastern analytical, inc.

professional laboratory services

Metals Analysis
Raw Data
August 25, 2011

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

Sample ID: Blank
Sample Date/Time Thursday August 25 2011 16:25:11
Autosampl Position: 1
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\Blank.18358
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6711.812						ug/L		
Be	9	7.333						ug/L		
B	10	44.001						ug/L		
B	11	178.337						ug/L		
C	12	349445.21						ug/L		
Na	23	16576.758						ug/L		
Mg	24	520.067						ug/L		
Mg	25	83.342						ug/L		
Al	27	4695.017						ug/L		
Si	28	49945.137						ug/L		
P	31	13731.745						ug/L		
S	32	72194036						ug/L		
Cl	35	7527314.6						ug/L		
K	39	793661.54						ug/L		
Ca	44	29276.661						ug/L		
Sc	45	130940.3						ug/L		
Ti	47	139.336						ug/L		
Ti	48	-2060.483						ug/L		
V	51	21680.709						ug/L		
ClO	51	22043.258						ug/L		
Cr	52	6272.663						ug/L		
Cr	53	7039.797						ug/L		
Fe	54	81064.334						ug/L		
Mn	55	895.053						ug/L		
Fe	56	1823073.2						ug/L		
Fe	57	7146.856						ug/L		
Co	59	73.334						ug/L		
Ni	60	51.334						ug/L		
Ni	62	42.667						ug/L		
Cu	63	105.668						ug/L		
Zn	64	924.244						ug/L		
Cu	65	51.667						ug/L		
Zn	66	573.024						ug/L		
Zn	68	470.684						ug/L		
Ge	72	130626.47						ug/L		
As	75	524.518						ug/L		
Se	74	11491.007						mg/L		
ArCl	77	429.014						ug/L		

Br	79	1766.189	ug/L
Br	81	14350.127	ug/L
Y	89	331119.45	ug/L
Mo	95	90.668	ug/L
Rh	103	338789.39	ug/L
Ag	107	540.021	ug/L
Ag	109	487.018	ug/L
Cd	111	13	ug/L
Cd	114	28	ug/L
In	115	443685.01	ug/L
Sb	121	671.698	ug/L
Sb	123	517.13	ug/L
Ba	137	50.667	ug/L
Ba	138	244.541	ug/L
Tb	159	556745.62	ug/L
Ho	165	546328.13	ug/L
Hg	200	20	ug/L
Hg	202	23	ug/L
Tl	205	197.671	ug/L
Pb	208	520.678	ug/L
Bi	209	402256.35	ug/L
Se	77	432.01	mg/L
Se	78	12019.257	mg/L
Se	82	-20.244	mg/L

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

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Sample ID: Standard 1
Sample Date/Time Thursday August 25 2011 16:31:50
Autosampl Position: 2
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 1.18359
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6854.584						ug/L		
Be	9	7.667						ug/L		
B	10	47.667						ug/L		
B	11	219.338						ug/L		
C	12	476812.62						ug/L		
Na	23	23415.79						ug/L		
Mg	24	2880.744						ug/L		
Mg	25	413.384						ug/L		
Al	27	9419.153						ug/L		
Si	28	54494.962						ug/L		
P	31	14439.57						ug/L		
S	32	72372484						ug/L		
Cl	35	7383868.1						ug/L		
K	39	795517.09						ug/L		
Ca	44	31915.779						ug/L		
Sc	45	132633.12						ug/L		
Ti	47	158.336						ug/L		
Ti	48	-1992.706						ug/L		
V	51	23803.362						ug/L		
ClO	51	23960.109						ug/L		
Cr	52	6096.304						ug/L		
Cr	53	7654.298						ug/L		
Fe	54	78664.671						ug/L		
Mn	55	951.726						ug/L		
Fe	56	1844682.3						ug/L		
Fe	57	7163.544						ug/L		
Co	59	60.667						ug/L		
Ni	60	58.001						ug/L		
Ni	62	39.667						ug/L		
Cu	63	177.67						ug/L		
Zn	64	2003.526						ug/L		
Cu	65	91.335						ug/L		
Zn	66	1222.428						ug/L		
Zn	68	894.72						ug/L		
Ge	72	132655.69						ug/L		
As	75	495.532						ug/L		
Se	74	11127.685						mg/L		
ArCl	77	432.348						ug/L		

Br	79	1782.526	ug/L						
Br	81	13765.552	ug/L						
Y	89	341624.26	ug/L						
Mo	95	98.668	ug/L						
Rh	103	338518.7	ug/L						
Ag	107	521.02	ug/L						
Ag	109	471.017	ug/L						
Cd	111	17.334	ug/L						
Cd	114	39.334	ug/L						
In	115	441988.76	ug/L						
Sb	121	651.697	ug/L						
Sb	123	488.17	ug/L						
Ba	137	86.335	ug/L						
Ba	138	520.839	ug/L						
Tb	159	563494.22	ug/L						
Ho	165	553610.73	ug/L						
Hg	200	0.1	230.339	ug/L		0.007			
Hg	202	0.1	312.342	ug/L		0.002			
Tl	205	206.004	ug/L						
Pb	208	710.351	ug/L						
Bi	209	410103.82	ug/L						
Se	77	474.679	mg/L						
Se	78	11690.187	mg/L						
Se	82	52.614	mg/L						

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
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|	Ca								
|>	Sc								
|	Ti								
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|	ClO								
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Sample ID: Standard 2
Sample Date/Time Thursday August 25 2011 16:38:30
Autosampl Position: 3
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 2.1836
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6801.21						ug/L		
Be	9	10.333						ug/L		
B	10	44.667						ug/L		
B	11	231.672						ug/L		
C	12	487698.39						ug/L		
Na	23	72438.007						ug/L		
Mg	24	2767.366						ug/L		
Mg	25	383.38						ug/L		
Al	27	12806.964						ug/L		
Si	28	54578.798						ug/L		
P	31	14145.752						ug/L		
S	32	73051741						ug/L		
Cl	35	7068968.9						ug/L		
K	39	808731.99						ug/L		
Ca	44	36058.304						ug/L		
Sc	45	130676.82						ug/L		
Ti	47	174.337						ug/L		
Ti	48	-2076.028						ug/L		
V	51	24661.66						ug/L		
ClO	51	24965.159						ug/L		
Cr	52	6124.057						ug/L		
Cr	53	7944.883						ug/L		
Fe	54	78098.006						ug/L		
Mn	55	997.398						ug/L		
Fe	56	1790919.3						ug/L		
Fe	57	7340.363						ug/L		
Co	59	80.668						ug/L		
Ni	60	109.335						ug/L		
Ni	62	53.667						ug/L		
Cu	63	374.011						ug/L		
Zn	64	7606.067						ug/L		
Cu	65	188.337						ug/L		
Zn	66	4617.886						ug/L		
Zn	68	3345.649						ug/L		
Ge	72	129821.71						ug/L		
As	75	423.049						ug/L		
Se	74	15560.435						mg/L		
ArCl	77	436.348						ug/L		

Br	79	1719.847	ug/L						
Br	81	13358.275	ug/L						
Y	89	344084.07	ug/L						
Mo	95	95.335	ug/L						
Rh	103	346490.26	ug/L						
Ag	107	502.019	ug/L						
Ag	109	485.018	ug/L						
Cd	111	19.667	ug/L						
Cd	114	45.667	ug/L						
In	115	443604.46	ug/L						
Sb	121	642.696	ug/L						
Sb	123	508.171	ug/L						
Ba	137	133.669	ug/L						
Ba	138	811.5	ug/L						
Tb	159	566328.61	ug/L						
Ho	165	546989.02	ug/L						
Hg	200	1.000296	2160.278	ug/L		0.015			
Hg	202	0.999967	2868.481	ug/L		0.032			
Tl	205	195.671	ug/L						
Pb	208	2328.807	ug/L						
Bi	209	417050.79	ug/L						
Se	77	440.011	mg/L						
Se	78	11537.066	mg/L						
Se	82	56.385	mg/L						

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

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Sample ID: Standard 3
Sample Date/Time Thursday August 25 2011 16:45:10
Autosampl Position: 4
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 3.18361
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6711.812						ug/L		
Be	9	7.667						ug/L		
B	10	53.001						ug/L		
B	11	225.672						ug/L		
C	12	480318.05						ug/L		
Na	23	17855.973						ug/L		
Mg	24	1867.045						ug/L		
Mg	25	316.704						ug/L		
Al	27	9025.38						ug/L		
Si	28	54702.894						ug/L		
P	31	13508.046						ug/L		
S	32	75616222						ug/L		
Cl	35	7424470.5						ug/L		
K	39	799516.73						ug/L		
Ca	44	31440.754						ug/L		
Sc	45	135789.43						ug/L		
Ti	47	169.003						ug/L		
Ti	48	-2026.797						ug/L		
V	51	25769.072						ug/L		
ClO	51	26547.305						ug/L		
Cr	52	6150.947						ug/L		
Cr	53	8492.383						ug/L		
Fe	54	79658.132						ug/L		
Mn	55	861.716						ug/L		
Fe	56	1807596.8						ug/L		
Fe	57	7273.636						ug/L		
Co	59	62.334						ug/L		
Ni	60	137.669						ug/L		
Ni	62	59.334						ug/L		
Cu	63	283.341						ug/L		
Zn	64	1629.635						ug/L		
Cu	65	129.336						ug/L		
Zn	66	1005.066						ug/L		
Zn	68	782.375						ug/L		
Ge	72	130826.71						ug/L		
As	75	467.838						ug/L		
Se	74	16302.564						mg/L		
ArCl	77	440.015						ug/L		

Br	79	1725.514	ug/L						
Br	81	13993.902	ug/L						
Y	89	344979.92	ug/L						
Mo	95	97.001	ug/L						
Rh	103	351286.5	ug/L						
Ag	107	460.016	ug/L						
Ag	109	481.351	ug/L						
Cd	111	11	ug/L						
Cd	114	25	ug/L						
In	115	454419.46	ug/L						
Sb	121	619.694	ug/L						
Sb	123	495.916	ug/L						
Ba	137	78.334	ug/L						
Ba	138	463.871	ug/L						
Tb	159	565076.88	ug/L						
Ho	165	550733.06	ug/L						
Hg	200	4.998003	10684.38	ug/L	0.063				
Hg	202	4.998358	14234.61	ug/L	0.018				
Tl	205	193.004	ug/L						
Pb	208	561.345	ug/L						
Bi	209	425691.93	ug/L						
Se	77	438.677	mg/L						
Se	78	11688.243	mg/L						
Se	82	14.123	mg/L						

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
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|	ClO								
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Sample ID: Standard 4
Sample Date/Time Thursday August 25 2011 16:51:50
Autosampl Position: 9
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 4.18362
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6941.316		ug/L						
Be	9	0.5	135.002	ug/L	0.024					
B	10	0.5	77.334	ug/L	0.102					
B	11	0.5	305.342	ug/L	0.024					
C	12	432623.71		ug/L						
Na	23	18914.88		ug/L						
Mg	24	2643.982		ug/L						
Mg	25	390.048		ug/L						
Al	27	8911.924		ug/L						
Si	28	52439.399		ug/L						
P	31	14786.827		ug/L						
S	32	72453074		ug/L						
Cl	35	7127288.7		ug/L						
K	39	795949.28		ug/L						
Ca	44	32190.106		ug/L						
Sc	45	131961.62		ug/L						
Ti	47	0.5	461.683	ug/L	0.05					
Ti	48	0.5	924.488	ug/L	0.007					
V	51	0.5	29847.89	ug/L	0.055					
ClO	51	30389.682		ug/L						
Cr	52	0.5	9562.067	ug/L	0.021					
Cr	53	0.5	8806.351	ug/L	0.052					
Fe	54	82777.974		ug/L						
Mn	55	0.5	6176.159	ug/L	0.018					
Fe	56	1804924.1		ug/L						
Fe	57	7383.739		ug/L						
Co	59	0.5	3968.906	ug/L	0.007					
Ni	60	0.5	917.389	ug/L	0.004					
Ni	62	0.5	143.336	ug/L	0.004					
Cu	63	0.5	2827.801	ug/L	0.001					
Zn	64	0.5	2116.88	ug/L	0.023					
Cu	65	0.5	1396.121	ug/L	0.017					
Zn	66	0.5	1218.094	ug/L	0.018					
Zn	68	0.5	940.391	ug/L	0.017					
Ge	72	132701.52		ug/L						
As	75	0.5	1050.668	ug/L	0.043					
Se	74	0.5	11562.53	mg/L	1.452					
ArCl	77	501.686		ug/L						

Br	79	1979.569	ug/L						
Br	81	14751.107	ug/L						
Y	89	344381.95	ug/L						
Mo	95	0.5	1739.517	ug/L	0.005				
Rh	103	344309.15	ug/L						
Ag	107	0.5	4931.055	ug/L	0.041				
Ag	109	0.5	4784.64	ug/L	0.025				
Cd	111	0.5	1321.109	ug/L	0.005				
Cd	114	0.5	3024.2	ug/L	0.002				
In	115	453178.48	ug/L						
Sb	121	0.5	5467.365	ug/L	0.019				
Sb	123	0.5	4263.65	ug/L	0.004				
Ba	137	0.5	2359.663	ug/L	0.016				
Ba	138	0.5	14717.59	ug/L	0.005				
Tb	159	577249.92	ug/L						
Ho	165	562892.07	ug/L						
Hg	200	0.024916	75.001	ug/L	0.005				
Hg	202	0.021084	85.001	ug/L	0.002				
Tl	205	0.5	12886.59	ug/L	0.01				
Pb	208	0.5	17872.69	ug/L	0.008				
Bi	209	412822.52	ug/L						
Se	77	0.5	510.681	mg/L	0.108				
Se	78	0.5	12328	mg/L	0.024				
Se	82	0.5	88.855	mg/L	0.089				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
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|	Al								
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Sample ID: Standard 5
Sample Date/Time Thursday August 25 2011 16:58:30
Autosampl Position: 10
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 5.18363
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6863.924		ug/L						
Be	9	5.002422	1353.448	ug/L	0.106					
B	10	4.989735	319.009	ug/L	0.14					
B	11	5.000422	1451.464	ug/L	0.064					
C	12	456576.54		ug/L						
Na	23	43836.48		ug/L						
Mg	24	18697.75		ug/L						
Mg	25	2707.341		ug/L						
Al	27	35358.886		ug/L						
Si	28	54089.172		ug/L						
P	31	15023.943		ug/L						
S	32	73926715		ug/L						
Cl	35	6994777.3		ug/L						
K	39	828547.3		ug/L						
Ca	44	33481.566		ug/L						
Sc	45	132435.02		ug/L						
Ti	47	4.994881	3064.547	ug/L	0.11					
Ti	48	5.001924	29248.98	ug/L	0.044					
V	51	4.960272	66334.46	ug/L	0.047					
ClO	51	67555.419		ug/L						
Cr	52	5.001896	40170.19	ug/L	0.02					
Cr	53	4.896097	12588.84	ug/L	0.032					
Fe	54	82194.569		ug/L						
Mn	55	5.000072	53924.34	ug/L	0.075					
Fe	56	1833356.9		ug/L						
Fe	57	8301.285		ug/L						
Co	59	5.001152	40097.3	ug/L	0.068					
Ni	60	4.999399	8635.519	ug/L	0.033					
Ni	62	5.010014	1304.773	ug/L	0.03					
Cu	63	4.988269	22175.57	ug/L	0.008					
Zn	64	4.991451	11080.63	ug/L	0.038					
Cu	65	4.988116	10927.67	ug/L	0.065					
Zn	66	4.997598	6709.209	ug/L	0.071					
Zn	68	4.995431	4758.626	ug/L	0.01					
Ge	72	132490.51		ug/L						
As	75	5.009655	6949.9	ug/L	0.236					
Se	74	5.068801	14629.23	mg/L	3.18					
ArCl	77	942.725		ug/L						

Br	79	1936.226	ug/L			
Br	81	14335.439	ug/L			
Y	89	344684.86	ug/L			
Mo	95	5.001289	16978.68	ug/L	0.052	
Rh	103	339154.57	ug/L			
Ag	107	5.005177	48586.31	ug/L	0.111	
Ag	109	5.004054	46340.29	ug/L	0.186	
Cd	111	4.998905	12576.82	ug/L	0.052	
Cd	114	5.000548	29768.63	ug/L	0.037	
In	115	444988.91	ug/L			
Sb	121	4.999168	46856.25	ug/L	0.064	
Sb	123	4.998563	36160.12	ug/L	0.075	
Ba	137	4.998299	21958.38	ug/L	0.164	
Ba	138	5.000289	143141.1	ug/L	0.046	
Tb	159	566261.28	ug/L			
Ho	165	544703.38	ug/L			
Hg	200	0.009493	40	ug/L	0.002	
Hg	202	0.007839	45.001	ug/L	0.002	
Tl	205	5.001625	127095.2	ug/L	0.066	
Pb	208	5.002588	177533.9	ug/L	0.036	
Bi	209	409918.19	ug/L			
Se	77	4.974933	953.383	mg/L	0.234	
Se	78	4.917618	13166.14	mg/L	0.666	
Se	82	4.973012	684.479	mg/L	0.466	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
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|>	Sc								
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Sample ID: Standard 6
Sample Date/Time Thursday August 25 2011 17:05:11
Autosampl Position: 11
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 6.18364
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6990.689		ug/L						
Be	9	19.98393	5291.259	ug/L	0.569					
B	10	20.005659	1145.084	ug/L	0.133					
B	11	19.984791	5176.526	ug/L	0.004					
C	12	554926.91		ug/L						
Na	23	117857.45		ug/L						
Mg	24	69468.074		ug/L						
Mg	25	9816.278		ug/L						
Al	27	118289.79		ug/L						
Si	28	54706.239		ug/L						
P	31	14255.937		ug/L						
S	32	72922222		ug/L						
Cl	35	7091300.2		ug/L						
K	39	935420.61		ug/L						
Ca	44	39871.221		ug/L						
Sc	45	131841.54		ug/L						
Ti	47	20.014783	11933.28	ug/L	0.975					
Ti	48	19.994982	122055.8	ug/L	0.703					
V	51	19.889869	184799.9	ug/L	0.624					
ClO	51	187541.59		ug/L						
Cr	52	19.98267	138969	ug/L	0.547					
Cr	53	19.662498	24327.75	ug/L	0.966					
Fe	54	89274.168		ug/L						
Mn	55	19.978765	208211.5	ug/L	0.704					
Fe	56	1931963.1		ug/L						
Fe	57	11755.437		ug/L						
Co	59	19.9675	155086.9	ug/L	0.695					
Ni	60	20.022174	34871.1	ug/L	0.607					
Ni	62	20.069094	5361.301	ug/L	1.027					
Cu	63	19.872452	79558.74	ug/L	0.687					
Zn	64	19.904688	38360.69	ug/L	0.711					
Cu	65	19.854542	38676.48	ug/L	0.572					
Zn	66	19.856682	22345.32	ug/L	0.379					
Zn	68	19.876036	15913.07	ug/L	0.647					
Ge	72	130408.8		ug/L						
As	75	20.066343	27230.78	ug/L	0.468					
Se	74	18.197865	15785.9	mg/L	14.879					
ArCl	77	2313.651		ug/L						

Br	79	1869.211	ug/L						
Br	81	13897.754	ug/L						
Y	89	344169.9	ug/L						
Mo	95	20.010235	67126.6	ug/L	0.498				
Rh	103	342399.55	ug/L						
Ag	107	19.989638	192205.4	ug/L	0.209				
Ag	109	20.009922	186624.4	ug/L	0.14				
Cd	111	19.988966	50157.84	ug/L	0.358				
Cd	114	19.985294	118324.6	ug/L	0.269				
In	115	448009.84	ug/L						
Sb	121	19.935757	177145.9	ug/L	0.212				
Sb	123	19.918487	134862.6	ug/L	0.092				
Ba	137	19.986331	87331	ug/L	0.058				
Ba	138	19.976516	564553.3	ug/L	0.117				
Tb	159	566568.52	ug/L						
Ho	165	543777.75	ug/L						
Hg	200	0.006054	32.667	ug/L	0.001				
Hg	202	0.005977	39.667	ug/L	0.001				
Tl	205	19.982998	499644.6	ug/L	0.091				
Pb	208	19.977686	693978.4	ug/L	0.131				
Bi	209	406431.93	ug/L						
Se	77	19.883866	2340.301	mg/L	0.845				
Se	78	20.21866	17722.4	mg/L	0.739				
Se	82	19.966362	2735.747	mg/L	0.401				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
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|	Al								
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Sample ID: Standard 7
Sample Date/Time Thursday August 25 2011 17:11:52
Autosampl Position: 12
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 7.18365
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6972.006		ug/L						
Be	9	0.009022	9.667	ug/L	0.024					
B	10	0.117224	50.334	ug/L	0.072					
B	11	0.115598	206.671	ug/L	0.028					
C	12	456698.96		ug/L						
Na	23	100	513103.6	ug/L	0.549					
Mg	24	100	341967.1	ug/L	0.59					
Mg	25	100	48319.57	ug/L	0.671					
Al	27	100	537117.5	ug/L	0.772					
Si	28	52637.199		ug/L						
P	31	100	42349.31	ug/L	0.056					
S	32	72303407		ug/L						
Cl	35	7178318.5		ug/L						
K	39	100	1481081	ug/L	1.442					
Ca	44	100	55729.2	ug/L	4.081					
Sc	45	130719.8		ug/L						
Ti	47	0.313564	322.342	ug/L	0.038					
Ti	48	0.051266	-1740.9	ug/L	0.02					
V	51	0.761313	27832.49	ug/L	0.022					
ClO	51	28327.014		ug/L						
Cr	52	-0.076381	5758.811	ug/L	0.016					
Cr	53	2.184886	8929.14	ug/L	0.166					
Fe	54	100	129880.8	ug/L	5.383					
Mn	55	0.00884	984.397	ug/L	0.004					
Fe	56	100	2998896	ug/L	7.16					
Fe	57	100	28223.26	ug/L	5.754					
Co	59	0.000927	80.334	ug/L	0.001					
Ni	60	0.002575	55.667	ug/L	0.004					
Ni	62	-0.003497	41.667	ug/L	0.01					
Cu	63	0.019881	184.337	ug/L	0					
Zn	64	1.736438	4161.696	ug/L	0.036					
Cu	65	0.016786	84.001	ug/L	0.005					
Zn	66	1.765719	2491.7	ug/L	0.039					
Zn	68	1.726211	1799.863	ug/L	0.05					
Ge	72	130405.05		ug/L						
As	75	-0.11159	374.529	ug/L	0.028					
Se	74	13.146931	14522.48	mg/L	23.951					
ArCl	77	480.351		ug/L						

Br	79	1881.88	ug/L						
Br	81	13681.427	ug/L						
Y	89	343189.9	ug/L						
Mo	95	0.072843	334.676	ug/L	0.002				
Rh	103	340896.72	ug/L						
Ag	107	0.062175	1136.082	ug/L	0.002				
Ag	109	0.06351	1077.408	ug/L	0.002				
Cd	111	0.002104	18.334	ug/L	0.003				
Cd	114	0.001784	38.667	ug/L	0.001				
In	115	445910.27	ug/L						
Sb	121	0.278749	3130.571	ug/L	0.018				
Sb	123	0.272638	2349.559	ug/L	0.026				
Ba	137	0.003621	66.668	ug/L	0.001				
Ba	138	0.00504	387.49	ug/L	0				
Tb	159	572452.16	ug/L						
Ho	165	552507.42	ug/L						
Hg	200	0.005198	31.334	ug/L	0.001				
Hg	202	0.002605	30.667	ug/L	0.001				
Tl	205	0.003866	298.008	ug/L	0.001				
Pb	208	0.006246	747.019	ug/L	0.001				
Bi	209	409243.34	ug/L						
Se	77	0.236192	454.678	mg/L	0.098				
Se	78	-2.230238	11390.17	mg/L	0.216				
Se	82	0.233806	12.029	mg/L	0.278				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
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|	Al								
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Sample ID: Standard 8
Sample Date/Time Thursday August 25 2011 17:18:34
Autosampl Position: 13
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 8.18366
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6953.325		ug/L						
Be	9	0.008577	9.667	ug/L	0.005					
B	10	0.053976	47.334	ug/L	0.048					
B	11	0.083716	200.671	ug/L	0.124					
C	12	443262.41		ug/L						
Na	23	1000.143	5104115	ug/L	2.842					
Mg	24	1000.1423	3498629	ug/L	8.189					
Mg	25	999.88709	481665.4	ug/L	9.396					
Al	27	999.7193	5233144	ug/L	21.631					
Si	28	52543.343		ug/L						
P	31	999.48043	288608.7	ug/L	22.097					
S	32	68699894		ug/L						
Cl	35	7039163.1		ug/L						
K	39	1000.444	8081626	ug/L	0.391					
Ca	44	998.53904	262701	ug/L	6.835					
Sc	45	131996.71		ug/L						
Ti	47	2.478809	1603.824	ug/L	0.041					
Ti	48	0.863607	3292.674	ug/L	0.052					
V	51	0.676214	27405.52	ug/L	0.011					
ClO	51	27604.791		ug/L						
Cr	52	-0.074788	5825.464	ug/L	0.042					
Cr	53	1.928814	8790.67	ug/L	0.152					
Fe	54	1000.5113	603029.8	ug/L	6.118					
Mn	55	0.015501	1063.406	ug/L	0					
Fe	56	997.02556	10987968	ug/L	15.112					
Fe	57	1000.0097	220398.1	ug/L	0.131					
Co	59	0.002795	95.668	ug/L	0					
Ni	60	0.038797	119.335	ug/L	0.002					
Ni	62	-0.002505	42.334	ug/L	0.024					
Cu	63	0.121717	594.025	ug/L	0.006					
Zn	64	1.84176	4400.897	ug/L	0.018					
Cu	65	0.128286	302.008	ug/L	0.01					
Zn	66	1.918144	2683.423	ug/L	0.046					
Zn	68	1.859611	1921.222	ug/L	0.094					
Ge	72	132448.54		ug/L						
As	75	-0.115096	376.146	ug/L	0.055					
Se	74	1.421754	11993.83	mg/L	7.62					
ArCl	77	467.683		ug/L						

Br	79	2023.579	ug/L						
Br	81	13505.159	ug/L						
Y	89	342463.25	ug/L						
Mo	95	0.029405	192.004	ug/L	0				
Rh	103	337255.18	ug/L						
Ag	107	0.01334	659.03	ug/L	0.003				
Ag	109	0.012682	597.026	ug/L	0				
Cd	111	0.005216	25.667	ug/L	0				
Cd	114	0.004247	52.334	ug/L	0.001				
In	115	438679.27	ug/L						
Sb	121	0.098641	1518.809	ug/L	0.006				
Sb	123	0.100715	1176.361	ug/L	0.002				
Ba	137	0.013628	108.335	ug/L	0.002				
Ba	138	0.015269	663.914	ug/L	0.002				
Tb	159	564351.2	ug/L						
Ho	165	557301.82	ug/L						
Hg	200	0.001346	23.334	ug/L	0.002				
Hg	202	0.00054	25	ug/L	0.001				
Tl	205	0.000005	201.671	ug/L	0.001				
Pb	208	0.039435	1934.101	ug/L	0				
Bi	209	403307.32	ug/L						
Se	77	0.375129	468.012	mg/L	0.098				
Se	78	-1.005977	11735.5	mg/L	0.175				
Se	82	0.399688	34.926	mg/L	0.031				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

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Sample ID: Standard 9
Sample Date/Time Thursday August 25 2011 17:25:14
Autosampl Position: 14
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 9.18367
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7233.543		ug/L						
Be	9	0.002885	8	ug/L	0.013					
B	10	0.012606	43.667	ug/L	0.162					
B	11	0.154924	212.338	ug/L	0.065					
C	12	450645.25		ug/L						
Na	23	4997.242	24403151	ug/L	115.107					
Mg	24	5000.4404	17043544	ug/L	147.543					
Mg	25	5005.0991	2404854	ug/L	135.225					
Al	27	5003.7414	25929686	ug/L	143.845					
Si	28	51876.125		ug/L						
P	31	5000.811	1356040	ug/L	76.155					
S	32	63841482		ug/L						
Cl	35	6789550.6		ug/L						
K	39	5000.1099	36184058	ug/L	148.265					
Ca	44	4997.1877	1148030	ug/L	104.242					
Sc	45	128418.61		ug/L						
Ti	47	11.988985	7017.111	ug/L	0.483					
Ti	48	4.128746	22887.96	ug/L	0.625					
V	51	0.575514	25844.28	ug/L	0.095					
ClO	51	26107.702		ug/L						
Cr	52	-0.085449	5590.739	ug/L	0.07					
Cr	53	1.686716	8339.24	ug/L	0.409					
Fe	54	4992.3212	2514732	ug/L	305.917					
Mn	55	0.077004	1653.834	ug/L	0.014					
Fe	56	4996.8468	45695299	ug/L	128.539					
Fe	57	4992.5268	1005028	ug/L	148.135					
Co	59	0.016509	196.671	ug/L	0.001					
Ni	60	0.140867	288.674	ug/L	0.012					
Ni	62	-0.002752	41.334	ug/L	0.042					
Cu	63	0.136919	637.029	ug/L	0.001					
Zn	64	50.116357	92680.87	ug/L	2.032					
Cu	65	0.10567	251.339	ug/L	0.01					
Zn	66	52.521628	56630.41	ug/L	1.539					
Zn	68	51.921993	39740.07	ug/L	1.765					
Ge	72	130569.8		ug/L						
As	75	-0.058393	446.249	ug/L	0.017					
Se	74	-1.55662	11082.27	mg/L	14.546					
ArCl	77	461.016		ug/L						

Br	79	2206.29	ug/L						
Br	81	13181.348	ug/L						
Y	89	333225.28	ug/L						
Mo	95	0.016314	145.336	ug/L	0.001				
Rh	103	324744.8	ug/L						
Ag	107	0.023139	748.038	ug/L	0.001				
Ag	109	0.026802	722.703	ug/L	0.003				
Cd	111	0.007033	30	ug/L	0				
Cd	114	0.005851	61.334	ug/L	0				
In	115	436832.17	ug/L						
Sb	121	0.336264	3563.734	ug/L	0.004				
Sb	123	0.347587	2794.556	ug/L	0.011				
Ba	137	0.042817	232.005	ug/L	0.009				
Ba	138	0.040762	1363.22	ug/L	0.002				
Tb	159	559750.39	ug/L						
Ho	165	544707.13	ug/L						
Hg	200	0.003027	26.334	ug/L	0.001				
Hg	202	0.004531	35.667	ug/L	0.001				
Tl	205	0.000912	220.005	ug/L	0.001				
Pb	208	0.036922	1803.089	ug/L	0.001				
Bi	209	394177.95	ug/L						
Se	77	0.208405	452.011	mg/L	0.452				
Se	78	-3.273459	11095.9	mg/L	0.405				
Se	82	-0.013583	-22.119	mg/L	0.251				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

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Sb
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Sb
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Ba
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Tb
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Tl
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Sample ID: QC Std 1
Sample Date/Time Thursday August 25 2011 17:31:54
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.18368
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7480.412		ug/L						
Be	9	0.009054	9.667	ug/L	0.001					
B	10	0.083836	48.334	ug/L	0.022					
B	11	0.027981	184.337	ug/L	0.021					
C	12	364860.68		ug/L						
Na	23	0.373322	18340.32	ug/L	0.116					
Mg	24	0.086651	816.785	ug/L	0.021					
Mg	25	0.124544	143.349	ug/L	0.091					
Al	27	0.058493	4978.527	ug/L	0.027					
Si	28	48480.427		ug/L						
P	31	-2.820251	12897.1	ug/L	0.655					
S	32	67232009		ug/L						
Cl	35	7255324.7		ug/L						
K	39	-4.000552	760933.3	ug/L	1.291					
Ca	44	9.073818	31189.86	ug/L	3.477					
Sc	45	130296.53		ug/L						
Ti	47	0.029145	155.67	ug/L	0.008					
Ti	48	-0.043391	-2316.33	ug/L	0.008					
V	51	0.634084	26711.46	ug/L	0.007					
ClO	51	27222.975		ug/L						
Cr	52	-0.097942	5598.188	ug/L	0.017					
Cr	53	1.846955	8607.828	ug/L	0.173					
Fe	54	-7.08114	77140.93	ug/L	4.441					
Mn	55	-0.009581	792.042	ug/L	0.004					
Fe	56	-18.271572	1650833	ug/L	4.559					
Fe	57	-2.771661	6546.346	ug/L	1.94					
Co	59	-0.001949	58.001	ug/L	0					
Ni	60	0.003452	57.001	ug/L	0.001					
Ni	62	-0.046364	30.334	ug/L	0.014					
Cu	63	0.004609	123.335	ug/L	0.001					
Zn	64	0.121002	1145.071	ug/L	0.028					
Cu	65	0.005505	62.001	ug/L	0					
Zn	66	0.112813	692.367	ug/L	0.012					
Zn	68	0.105288	549.355	ug/L	0.021					
Ge	72	130961.95		ug/L						
As	75	-0.084437	412.501	ug/L	0.064					
Se	74	2.921926	12210.45	mg/L	7.391					
ArCl	77	480.351		ug/L						

Br	79	1591.155	ug/L				
Br	81	12833.18	ug/L				
Y	89	338268.77	ug/L				
Mo	95	0.008069	118.002	ug/L	0.003		
Rh	103	341363.15	ug/L				
Ag	107	-0.012932	414.347	ug/L	0.004		
Ag	109	-0.008456	406.347	ug/L	0.006		
Cd	111	-0.001178	10	ug/L	0		
Cd	114	-0.000367	25.667	ug/L	0		
In	115	440476.26	ug/L				
Sb	121	0.017361	818.045	ug/L	0.004		
Sb	123	0.01634	621.761	ug/L	0.001		
Ba	137	0.003965	67.334	ug/L	0.001		
Ba	138	0.005182	386.576	ug/L	0.001		
Tb	159	564414	ug/L				
Ho	165	548659.07	ug/L				
Hg	200	0.001213	22.667	ug/L	0		
Hg	202	0.000096	23.334	ug/L	0.002		
Tl	205	-0.000881	176.337	ug/L	0		
Pb	208	0.000022	523.678	ug/L	0		
Bi	209	411790.32	ug/L				
Se	77	0.208407	452.011	mg/L	0.884		
Se	78	-2.579167	11291.74	mg/L	0.668		
Se	82	0.316596	23.456	mg/L	0.051		

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.508							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.257
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.277
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.427
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
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Sample ID: QC Std 2
Sample Date/Time Thursday August 25 2011 17:39:03
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.18369
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7280.248		ug/L						
Be	9	106.54849	27757.26	ug/L	0.358					
B	10	102.25155	5582.102	ug/L	1.816					
B	11	100.46368	24909.66	ug/L	0.391					
C	12	399479.09		ug/L						
Na	23	99.273118	506397.6	ug/L	0.705					
Mg	24	99.524301	343593.5	ug/L	0.315					
Mg	25	100.65999	48996.58	ug/L	0.013					
Al	27	97.542136	515678	ug/L	3.202					
Si	28	180815.08		ug/L						
P	31	-0.794176	13391.21	ug/L	3.445					
S	32	67534220		ug/L						
Cl	35	6993716.1		ug/L						
K	39	975.39175	7774038	ug/L	28.526					
Ca	44	113.50705	54729.71	ug/L	3.669					
Sc	45	129815.05		ug/L						
Ti	47	100.248	58335.15	ug/L	0.996					
Ti	48	99.677175	607534.7	ug/L	0.663					
V	51	96.217742	797956	ug/L	2.509					
ClO	51	807158.59		ug/L						
Cr	52	101.11666	667329.6	ug/L	1.89					
Cr	53	92.305444	86707.42	ug/L	2.535					
Fe	54	97.400378	128400.1	ug/L	13.767					
Mn	55	100.32871	1026184	ug/L	3.912					
Fe	56	125.87432	2925189	ug/L	12.708					
Fe	57	99.848522	27266.89	ug/L	4.457					
Co	59	102.01271	780059.1	ug/L	3.386					
Ni	60	97.93324	167785.6	ug/L	2.543					
Ni	62	98.285351	25701.21	ug/L	3.014					
Cu	63	98.892751	389575.7	ug/L	1.175					
Zn	64	94.89771	176683	ug/L	2.517					
Cu	65	98.953204	189622.9	ug/L	3.556					
Zn	66	96.692018	104947.4	ug/L	2.7					
Zn	68	97.631598	75161.52	ug/L	2.239					
Ge	72	129564.79		ug/L						
As	75	104.30338	138455.8	ug/L	2.151					
Se	74	11.470533	14119.18	mg/L	2.702					
ArCl	77	9570.464		ug/L						

Br	79	1627.162		ug/L		
Br	81	12719.354		ug/L		
Y	89	339386.63		ug/L		
Mo	95	96.746901	322150.8	ug/L	0.959	
Rh	103	340819.7		ug/L		
Ag	107	65.903118	631496.1	ug/L	0.456	
Ag	109	65.026137	604477.8	ug/L	0.341	
Cd	111	100.23938	251115.4	ug/L	0.167	
Cd	114	99.120364	585921.8	ug/L	1	
In	115	447345.59		ug/L		
Sb	121	92.697815	819705.2	ug/L	5.287	
Sb	123	93.738695	631595.5	ug/L	5.044	
Ba	137	98.962388	431568.5	ug/L	0.427	
Ba	138	97.712321	2756150	ug/L	1.575	
Tb	159	564367.27		ug/L		
Ho	165	542354.36		ug/L		
Hg	200	0.983299	2085.593	ug/L	0.029	
Hg	202	1.002706	2830.469	ug/L	0.009	
Tl	205	104.76746	2611722	ug/L	0.857	
Pb	208	98.648089	3415531	ug/L	1.771	
Bi	209	403530.27		ug/L		
Se	77	93.02179	9359.482	mg/L	0.197	
Se	78	104.16867	41402.47	mg/L	1.645	
Se	82	94.788543	13063.58	mg/L	0.954	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	105.494							
|	B	101.946							
|	B	100.163							
|	C								
|	Na	97.999							
|	Mg	98.539							
|	Mg	99.663							
|	Al	97.154							
|	Si								
|	P								
|	S								
|	Cl								
|	K	97.247							
|	Ca	112.495							
|>	Sc	99.141							
|	Ti	100.248							
|	Ti	99.677							
|	V	95.834							
|	ClO								
|	Cr	100.116							

	Cr	91.392
	Fe	96.819
	Mn	99.929
	Fe	125.124
	Fe	99.253
	Co	101.404
	Ni	97.156
	Ni	97.505
	Cu	98.992
	Zn	94.238
	Cu	99.052
	Zn	96.02
-	Zn	96.953
>	Ge	99.187
	As	104.933
	Se	11.448
	ArCl	
	Br	
	Br	
	Y	
-	Mo	96.458
-	Rh	
	Ag	65.38
	Ag	64.51
	Cd	99.741
	Cd	98.627
>	In	100.825
	Sb	92.421
	Sb	93.458
	Ba	98.274
-	Ba	97.033
-	Tb	
>	Ho	99.273
	Hg	98.33
	Hg	100.271
	Tl	104.767
	Pb	98.648
-	Bi	
	Se	92.836
	Se	103.961
	Se	94.599

Sample ID: QC Std 3
Sample Date/Time Thursday August 25 2011 17:46:12
Autosampl Position: 15
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 3.1837
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7497.759		ug/L						
Be	9	1.238613	338.01	ug/L	0.019					
B	10	172.11999	9589.152	ug/L	11.419					
B	11	173.71457	43948.49	ug/L	13.644					
C	12	379705.23		ug/L						
Na	23	4.54887	39790.94	ug/L	0.64					
Mg	24	0.366898	1823.699	ug/L	0.017					
Mg	25	0.352452	260.03	ug/L	0.021					
Al	27	329.49644	1772209	ug/L	21.937					
Si	28	118873.97		ug/L						
P	31	0.449957	14045.61	ug/L	6.023					
S	32	67111124		ug/L						
Cl	35	7259384.9		ug/L						
K	39	-4.0808	776028	ug/L	3.507					
Ca	44	7.234022	31403.95	ug/L	5.563					
Sc	45	133058.1		ug/L						
Ti	47	0.033881	161.67	ug/L	0.007					
Ti	48	0.018066	-1977.83	ug/L	0.022					
V	51	83.676672	713439.3	ug/L	5.167					
ClO	51	718357.4		ug/L						
Cr	52	2.653362	24132.21	ug/L	0.192					
Cr	53	4.113278	10781.17	ug/L	0.838					
Fe	54	71.742542	118523.6	ug/L	15.171					
Mn	55	22.09971	232151.9	ug/L	1.493					
Fe	56	100.30737	2764137	ug/L	11.58					
Fe	57	77.904282	23375.69	ug/L	7.63					
Co	59	0.039471	384.345	ug/L	0.003					
Ni	60	28.815436	50606.3	ug/L	1.201					
Ni	62	28.52387	7671.312	ug/L	1.201					
Cu	63	222.85556	898814.9	ug/L	12.092					
Zn	64	95.959549	182997.9	ug/L	3.98					
Cu	65	224.88425	441370.9	ug/L	9.926					
Zn	66	100.37928	111542.3	ug/L	5.876					
Zn	68	106.69558	84082.57	ug/L	5.03					
Ge	72	131419.16		ug/L						
As	75	8.585431	12045.68	ug/L	0.084					
Se	74	6.686452	13169	mg/L	0.518					
ArCl	77	1322.443		ug/L						

Br	79	1365.116	ug/L			
Br	81	12570.143	ug/L			
Y	89	344613.94	ug/L			
Mo	95	4.957274	16829.4	ug/L	0.05	
Rh	103	337462.77	ug/L			
Ag	107	11.501696	111180.4	ug/L	0.714	
Ag	109	11.458012	107415.2	ug/L	0.741	
Cd	111	9.591526	24161.98	ug/L	0.413	
Cd	114	9.572988	56912.83	ug/L	0.27	
In	115	449968.49	ug/L			
Sb	121	8.688126	77882.31	ug/L	0.241	
Sb	123	8.854263	60488.26	ug/L	0.116	
Ba	137	287.55248	1260366	ug/L	11.536	
Ba	138	284.34047	8061660	ug/L	11.651	
Tb	159	555704.97	ug/L			
Ho	165	539907.11	ug/L			
Hg	200	1.039482	2191.286	ug/L	0.075	
Hg	202	1.049885	2946.174	ug/L	0.06	
Tl	205	1.591006	39637.31	ug/L	0.091	
Pb	208	10.809913	372826.2	ug/L	0.422	
Bi	209	432302.93	ug/L			
Se	77	9.267501	1321.429	mg/L	0.02	
Se	78	7.170825	14041.96	mg/L	0.779	
Se	82	9.17493	1246.187	mg/L	0.141	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	112.193							
|	B	101.486							
|	B	102.426							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	96.344							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.617							
|	Ti								
|	Ti								
|	V	95.959							
|	ClO								
|	Cr	96.838							

	Cr	150.12
	Fe	88.353
	Mn	99.548
	Fe	123.531
	Fe	95.941
	Co	
	Ni	98.012
	Ni	97.02
	Cu	97.744
	Zn	91.915
	Cu	98.633
	Zn	96.149
|-	Zn	102.199
|>	Ge	100.607
	As	101.723
	Se	73.639
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	105.474
|-	Rh	
	Ag	105.327
	Ag	104.927
	Cd	97.673
	Cd	97.485
|>	In	101.416
	Sb	128.523
	Sb	130.98
	Ba	99.845
|-	Ba	98.729
|-	Tb	
|>	Ho	98.825
	Hg	103.948
	Hg	104.989
	Tl	105.365
	Pb	103.148
|-	Bi	
	Se	102.065
	Se	78.974
	Se	101.045

Sample ID: QC Std 5
Sample Date/Time Thursday August 25 2011 17:53:20
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.18371
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7220.202		ug/L						
Be	9	45.718429	12001.37	ug/L	3.247					
B	10	165.97871	9094.973	ug/L	15.042					
B	11	167.27781	41636.23	ug/L	14.855					
C	12	396227.87		ug/L						
Na	23	3.151887	32206.84	ug/L	0.554					
Mg	24	0.207177	1236.875	ug/L	0.041					
Mg	25	0.121184	143.349	ug/L	0.029					
Al	27	175.92018	933334	ug/L	12.161					
Si	28	95633.229		ug/L						
P	31	-0.768967	13511.39	ug/L	2.533					
S	32	67082342		ug/L						
Cl	35	7021399.5		ug/L						
K	39	-3.139792	770114.4	ug/L	6.747					
Ca	44	14.714689	32611.65	ug/L	7.763					
Sc	45	131069.48		ug/L						
Ti	47	0.027538	155.003	ug/L	0.031					
Ti	48	-0.036317	-2282.11	ug/L	0.023					
V	51	24.915621	224203.6	ug/L	2.009					
ClO	51	226542.52		ug/L						
Cr	52	49.796409	334263.7	ug/L	3.549					
Cr	53	46.382942	47384.65	ug/L	4.141					
Fe	54	182.08241	171379	ug/L	31.356					
Mn	55	107.18388	1104052	ug/L	9.015					
Fe	56	201.6775	3629413	ug/L	16.878					
Fe	57	185.10865	44871.63	ug/L	10.38					
Co	59	24.404436	188112.5	ug/L	1.578					
Ni	60	201.30315	347426.7	ug/L	13.956					
Ni	62	197.22732	51937.46	ug/L	11.821					
Cu	63	77.022556	305699.2	ug/L	5.312					
Zn	64	97.495892	182852.7	ug/L	6.935					
Cu	65	76.605774	147937.5	ug/L	5.134					
Zn	66	101.56686	111038.8	ug/L	7.127					
Zn	68	103.24205	80077.27	ug/L	6.135					
Ge	72	129713.28		ug/L						
As	75	44.259107	59018.18	ug/L	3.228					
Se	74	20.075201	16019.17	mg/L	26.536					
ArCl	77	15369.803		ug/L						

Br	79	1644.499		ug/L		
Br	81	12698.99		ug/L		
Y	89	336183.21		ug/L		
Mo	95	41.771118	139101.6	ug/L	2.505	
Rh	103	335782.79		ug/L		
Ag	107	51.30407	481909.6	ug/L	0.882	
Ag	109	51.150078	466027.3	ug/L	1.79	
Cd	111	23.504976	57725.62	ug/L	0.143	
Cd	114	23.360909	135358.3	ug/L	0.305	
In	115	438501.49		ug/L		
Sb	121	49.430354	428807.1	ug/L	1.384	
Sb	123	50.16263	331557.5	ug/L	1.54	
Ba	137	144.10806	615952.5	ug/L	1.599	
Ba	138	142.89785	3950977	ug/L	1.173	
Tb	159	559536.71		ug/L		
Ho	165	544801.11		ug/L		
Hg	200	1.079651	2297.98	ug/L	0.031	
Hg	202	1.039652	2945.173	ug/L	0.06	
Tl	205	14.515931	363615.3	ug/L	0.243	
Pb	208	102.71319	3571268	ug/L	3.599	
Bi	209	429078.41		ug/L		
Se	77	152.80033	15096.54	mg/L	7.38	
Se	78	168.08616	59431.9	mg/L	3.587	
Se	82	154.36669	21287.25	mg/L	1.236	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	107.32							
|	B	103.737							
|	B	104.549							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	99.955							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.099							
|	Ti								
|	Ti								
|	V	100.063							
|	ClO								
|	Cr	101.212							

|	Cr	94.274
|	Fe	101.722
|	Mn	101.117
|	Fe	112.669
|	Fe	103.413
|	Co	104.74
|	Ni	98.678
|	Ni	96.68
|	Cu	98.494
|	Zn	92.853
|	Cu	97.961
|	Zn	96.73
|-	Zn	98.326
|>	Ge	99.301
|	As	112.333
|	Se	12.547
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	99.692
|-	Rh	
|	Ag	101.996
|	Ag	101.69
|	Cd	101.315
|	Cd	100.694
|>	In	98.832
|	Sb	106.302
|	Sb	107.877
|	Ba	102.204
|-	Ba	101.346
|-	Tb	
|>	Ho	99.72
|	Hg	107.965
|	Hg	103.965
|	Tl	102.225
|	Pb	98.763
|-	Bi	
	Se	95.5
	Se	105.054
	Se	96.479

Sample ID: QC Std 6
Sample Date/Time Thursday August 25 2011 18:00:29
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.18372
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6874.598		ug/L						
Be	9	0.01438	11	ug/L	0.006					
B	10	0.906627	92.668	ug/L	0.11					
B	11	0.988706	419.681	ug/L	0.159					
C	12	395055.07		ug/L						
Na	23	9818.7185	48427378	ug/L	22.358					
Mg	24	9741.0416	33546446	ug/L	147.871					
Mg	25	9852.2212	4782710	ug/L	180.389					
Al	27	9741.9497	51002874	ug/L	185.63					
Si	28	52295.202		ug/L						
P	31	9631.5514	2625889	ug/L	158.292					
S	32	62146219		ug/L						
Cl	35	1620985.8		ug/L						
K	39	9645.6629	69798834	ug/L	101.964					
Ca	44	9728.5811	2230523	ug/L	12.128					
Sc	45	129690.55		ug/L						
Ti	47	22.82405	13375.63	ug/L	0.349					
Ti	48	8.193259	48025.17	ug/L	0.266					
V	51	-0.356112	18599.54	ug/L	0.097					
ClO	51	18968.968		ug/L						
Cr	52	-0.106086	5520.387	ug/L	0.028					
Cr	53	-1.309003	5842.269	ug/L	0.186					
Fe	54	9930.6138	4978033	ug/L	51.294					
Mn	55	0.115544	2066.923	ug/L	0.012					
Fe	56	10045.107	90992550	ug/L	117.71					
Fe	57	9752.5647	1977082	ug/L	66.355					
Co	59	0.031857	316.009	ug/L	0.001					
Ni	60	0.238324	458.683	ug/L	0.006					
Ni	62	0.04764	54.667	ug/L	0.023					
Cu	63	0.234096	1025.735	ug/L	0.005					
Zn	64	0.644032	2107.405	ug/L	0.006					
Cu	65	0.146699	332.009	ug/L	0.002					
Zn	66	0.5512	1162.086	ug/L	0.012					
Zn	68	0.540123	879.051	ug/L	0.017					
Ge	72	128568.15		ug/L						
As	75	0.082529	624.252	ug/L	0.04					
Se	74	-2.705424	10658.95	mg/L	10.636					
ArCl	77	259.34		ug/L						

Br	79	1075.074	ug/L						
Br	81	11096.546	ug/L						
Y	89	332565.77	ug/L						
Mo	95	0.176358	672.365	ug/L	0.028				
Rh	103	316180.23	ug/L						
Ag	107	0.193647	2244.302	ug/L	0.035				
Ag	109	0.190783	2117.604	ug/L	0.036				
Cd	111	0.011525	39.334	ug/L	0.003				
Cd	114	0.010102	82.335	ug/L	0				
In	115	418832.48	ug/L						
Sb	121	0.542547	5122.164	ug/L	0.049				
Sb	123	0.551707	3965.781	ug/L	0.042				
Ba	137	0.058586	287.007	ug/L	0				
Ba	138	0.060158	1819.583	ug/L	0				
Tb	159	551281.64	ug/L						
Ho	165	538288.09	ug/L						
Hg	200	0.008948	38.334	ug/L	0.002				
Hg	202	0.00972	49.667	ug/L	0				
Tl	205	0.005696	335.676	ug/L	0				
Pb	208	0.045948	2091.782	ug/L	0				
Bi	209	390320.33	ug/L						
Se	77	-1.486606	289.338	mg/L	0.295				
Se	78	-4.758477	10677.02	mg/L	0.541				
Se	82	0.465118	43.957	mg/L	0.485				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	98.187							
|	Mg	97.41							
|	Mg	98.522							
|	Al	97.419							
|	Si								
|	P	96.316							
|	S								
|	Cl								
|	K	96.457							
|	Ca	97.286							
|>	Sc	99.046							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	99.306
	Mn	
	Fe	100.451
	Fe	97.526
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.424
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.399
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.528
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 18:07:39
Autosampl Position: 16
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18373
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7310.939		ug/L						
Be	9	0.009363	9.667	ug/L	0.005					
B	10	1.66258	133.002	ug/L	0.104					
B	11	1.695514	591.025	ug/L	0.032					
C	12	399057.87		ug/L						
Na	23	17.679221	103094.9	ug/L	0.438					
Mg	24	2.448575	8898.593	ug/L	0.275					
Mg	25	2.554664	1316.894	ug/L	0.039					
Al	27	2.579849	18073.09	ug/L	0.012					
Si	28	65787.111		ug/L						
P	31	-0.601087	13377.84	ug/L	0.575					
S	32	65801541		ug/L						
Cl	35	9420678		ug/L						
K	39	8.331905	841603.4	ug/L	3.818					
Ca	44	30.850289	35817.35	ug/L	1.355					
Sc	45	129099.69		ug/L						
Ti	47	0.091158	190.004	ug/L	0.001					
Ti	48	0.036121	-1812.39	ug/L	0.01					
V	51	0.973064	29190.44	ug/L	0.052					
ClO	51	29780.347		ug/L						
Cr	52	-0.06829	5739.719	ug/L	0.012					
Cr	53	2.871381	9408.295	ug/L	0.063					
Fe	54	7.095878	83379.73	ug/L	6.49					
Mn	55	0.044978	1339.779	ug/L	0.001					
Fe	56	-17.492778	1642420	ug/L	5.365					
Fe	57	3.112615	7670.668	ug/L	0.876					
Co	59	0.003566	99.335	ug/L	0.001					
Ni	60	0.260441	494.352	ug/L	0.003					
Ni	62	0.251269	107.335	ug/L	0.007					
Cu	63	0.100292	496.685	ug/L	0.01					
Zn	64	4.33541	8897.668	ug/L	0.05					
Cu	65	0.099996	241.339	ug/L	0.01					
Zn	66	4.502335	5398.99	ug/L	0.049					
Zn	68	4.473162	3866.528	ug/L	0.224					
Ge	72	130649.58		ug/L						
As	75	-0.16469	305.464	ug/L	0.043					
Se	74	17.288147	15622.72	mg/L	1.125					
ArCl	77	593.025		ug/L						

Br	79	991.064	ug/L						
Br	81	11629.55	ug/L						
Y	89	340837.2	ug/L						
Mo	95	0.073145	336.01	ug/L	0.008				
Rh	103	335277.49	ug/L						
Ag	107	0.202216	2428.015	ug/L	0.001				
Ag	109	0.210695	2396.34	ug/L	0.002				
Cd	111	0.003335	21	ug/L	0.001				
Cd	114	0.0041	51.334	ug/L	0.001				
In	115	437894.7	ug/L						
Sb	121	0.289992	3171.918	ug/L	0.001				
Sb	123	0.280356	2358.1	ug/L	0.015				
Ba	137	0.028975	173.67	ug/L	0.001				
Ba	138	0.030929	1095.438	ug/L	0.001				
Tb	159	554315.99	ug/L						
Ho	165	552020.22	ug/L						
Hg	200	0.012528	47.001	ug/L	0				
Hg	202	0.008572	47.667	ug/L	0				
Tl	205	0.003022	276.34	ug/L	0				
Pb	208	0.038697	1889.43	ug/L	0.002				
Bi	209	399230.16	ug/L						
Se	77	0.90309	518.681	mg/L	0.255				
Se	78	-2.733478	11248.22	mg/L	0.451				
Se	82	0.406933	35.926	mg/L	0.37				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.594							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.018
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.695
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.042
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 18:14:17
Autosampl Position: 17
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18374
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7192.18		ug/L						
Be	9	0.131822	41.334	ug/L	0.034					
B	10	1.304556	113.669	ug/L	0.049					
B	11	1.328049	500.686	ug/L	0.295					
C	12	404183.09		ug/L						
Na	23	6.586506	48731.42	ug/L	2.017					
Mg	24	1.625892	6089.318	ug/L	0.086					
Mg	25	1.641892	876.798	ug/L	0.4					
Al	27	2.699145	18687.81	ug/L	0.384					
Si	28	66985.914		ug/L						
P	31	-5.236321	12122.64	ug/L	3.1					
S	32	66823304		ug/L						
Cl	35	8924775.1		ug/L						
K	39	3.003797	804031.9	ug/L	0.046					
Ca	44	28.098935	35201.54	ug/L	0.712					
Sc	45	129121.23		ug/L						
Ti	47	0.237056	274.34	ug/L	0.015					
Ti	48	0.140797	-1176.41	ug/L	0.032					
V	51	1.296895	31790.81	ug/L	0.012					
ClO	51	32185.866		ug/L						
Cr	52	0.067585	6623.718	ug/L	0.04					
Cr	53	3.509982	9957.884	ug/L	0.053					
Fe	54	-0.276874	79795.47	ug/L	2.58					
Mn	55	0.162808	2536.049	ug/L	0.036					
Fe	56	-8.852859	1719389	ug/L	2.213					
Fe	57	4.449306	7940.928	ug/L	1.335					
Co	59	0.116648	958.395	ug/L	0.031					
Ni	60	0.310443	579.358	ug/L	0.026					
Ni	62	0.251056	107.335	ug/L	0.039					
Cu	63	0.252401	1092.077	ug/L	0.045					
Zn	64	2.239273	5040.678	ug/L	0.318					
Cu	65	0.25561	537.688	ug/L	0.046					
Zn	66	2.31315	3050.879	ug/L	0.279					
Zn	68	2.322081	2232.631	ug/L	0.279					
Ge	72	129694.66		ug/L						
As	75	0.000564	520.562	ug/L	0.117					
Se	74	8.552246	13425.51	mg/L	8.566					
ArCl	77	573.691		ug/L						

Br		79	1101.078	ug/L						
Br		81	12017.057	ug/L						
Y		89	334731.72	ug/L						
Mo		95	0.165619	641.363	ug/L	0.027				
Rh		103	338499.42	ug/L						
Ag		107	0.160077	2032.582	ug/L	0.025				
Ag		109	0.167592	2002.91	ug/L	0.038				
Cd		111	0.12497	318.676	ug/L	0.039				
Cd		114	0.114053	686.7	ug/L	0.027				
In		115	438223.03	ug/L						
Sb		121	0.284465	3123.57	ug/L	0.038				
Sb		123	0.288554	2412.655	ug/L	0.031				
Ba		137	0.155689	714.036	ug/L	0.029				
Ba		138	0.157184	4579.564	ug/L	0.022				
Tb		159	559603.13	ug/L						
Ho		165	544336.44	ug/L						
Hg		200	0.006839	34.334	ug/L	0.003				
Hg		202	0.007376	43.667	ug/L	0.003				
Tl		205	0.115917	3098.907	ug/L	0.028				
Pb		208	0.139621	5372.023	ug/L	0.019				
Bi		209	396363.05	ug/L						
Se		77	1.111497	538.683	mg/L	0.354				
Se		78	-3.74641	10962.5	mg/L	0.983				
Se		82	0.414103	36.915	mg/L	0.093				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	98.611								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.287
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.769
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.635
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 18:21:02
Autosampl Position: 18
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18375
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7056.071		ug/L						
Be	9	0.003012	8	ug/L	0.003					
B	10	0.499531	70.001	ug/L	0.128					
B	11	0.414865	276.34	ug/L	0.087					
C	12	390248.53		ug/L						
Na	23	0.232234	17435.12	ug/L	0.028					
Mg	24	0.230461	1300.223	ug/L	0.016					
Mg	25	0.274061	213.357	ug/L	0.092					
Al	27	0.207685	5695.687	ug/L	0.007					
Si	28	52882.041		ug/L						
P	31	-1.396696	13117.44	ug/L	2.246					
S	32	67211861		ug/L						
Cl	35	7672191.3		ug/L						
K	39	-2.166076	764575.3	ug/L	4.281					
Ca	44	19.26755	33096.78	ug/L	5.955					
Sc	45	128757.84		ug/L						
Ti	47	0.021439	149.003	ug/L	0.04					
Ti	48	-0.062706	-2404.27	ug/L	0.024					
V	51	1.033663	29588.04	ug/L	0.052					
ClO	51	30344.531		ug/L						
Cr	52	-0.05382	5815.418	ug/L	0.036					
Cr	53	3.189465	9652.552	ug/L	0.219					
Fe	54	-2.107486	78622.29	ug/L	7.78					
Mn	55	0.008254	963.061	ug/L	0.005					
Fe	56	-14.665947	1662181	ug/L	9.043					
Fe	57	-2.212403	6576.371	ug/L	2.475					
Co	59	-0.001464	61.001	ug/L	0					
Ni	60	0.008257	64.668	ug/L	0.006					
Ni	62	0.004723	43.334	ug/L	0.039					
Cu	63	0.011002	146.669	ug/L	0.004					
Zn	64	0.191423	1259.483	ug/L	0.038					
Cu	65	0.017604	84.335	ug/L	0.002					
Zn	66	0.217581	795.376	ug/L	0.067					
Zn	68	0.223449	631.695	ug/L	0.062					
Ge	72	128745.26		ug/L						
As	75	-0.120718	358.532	ug/L	0.042					
Se	74	9.099791	13464.08	mg/L	5.08					
ArCl	77	501.352		ug/L						

Br	79	1465.466	ug/L						
Br	81	12479.018	ug/L						
Y	89	335450.19	ug/L						
Mo	95	0.022261	163.003	ug/L	0				
Rh	103	339616.89	ug/L						
Ag	107	0.017806	704.035	ug/L	0.01				
Ag	109	0.017404	642.696	ug/L	0.007				
Cd	111	0.000442	14	ug/L	0.002				
Cd	114	-0.000423	25.334	ug/L	0				
In	115	440456.42	ug/L						
Sb	121	0.085834	1413.791	ug/L	0.002				
Sb	123	0.083517	1067.141	ug/L	0.001				
Ba	137	0.013589	108.668	ug/L	0.006				
Ba	138	0.009236	499.239	ug/L	0.001				
Tb	159	553123.63	ug/L						
Ho	165	541587.16	ug/L						
Hg	200	0.000717	21.334	ug/L	0.001				
Hg	202	0.003295	32	ug/L	0.003				
Tl	205	0.001007	221.005	ug/L	0				
Pb	208	0.003921	651.682	ug/L	0.001				
Bi	209	394724.73	ug/L						
Se	77	0.569641	486.68	mg/L	0.373				
Se	78	-2.430312	11333.73	mg/L	0.335				
Se	82	0.07132	-10.399	mg/L	0.055				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.333							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.56
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.272
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.132
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LLCS
Sample Date/Time Thursday August 25 2011 18:27:41
Autosampl Position: 19
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LLCS.18376
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7160.152		ug/L						
Be	9	0.110662	36	ug/L	0.038					
B	10	0.130156	50.667	ug/L	0.056					
B	11	0.23132	233.672	ug/L	0.026					
C	12	427518.9		ug/L						
Na	23	8.696266	59312.1	ug/L	0.215					
Mg	24	9.7558	34127.35	ug/L	0.006					
Mg	25	9.846848	4865.122	ug/L	0.078					
Al	27	9.21387	52912.19	ug/L	0.093					
Si	28	50468.07		ug/L						
P	31	2.715979	14342.74	ug/L	0.191					
S	32	67637836		ug/L						
Cl	35	7326655.7		ug/L						
K	39	6.709152	834396.2	ug/L	0.664					
Ca	44	25.711149	34833.45	ug/L	2.267					
Sc	45	129743.37		ug/L						
Ti	47	0.132101	214.671	ug/L	0.01					
Ti	48	0.040146	-1796.53	ug/L	0.006					
V	51	1.078896	30186.68	ug/L	0.013					
ClO	51	30716.115		ug/L						
Cr	52	-0.003369	6192.319	ug/L	0.021					
Cr	53	3.011348	9575.47	ug/L	0.016					
Fe	54	-2.859905	78897.78	ug/L	4.059					
Mn	55	0.088981	1795.529	ug/L	0.006					
Fe	56	-6.436113	1748958	ug/L	4.447					
Fe	57	7.817956	8658.322	ug/L	2.068					
Co	59	0.096039	806.711	ug/L	0.001					
Ni	60	0.098988	220.338	ug/L	0					
Ni	62	0.075339	62.001	ug/L	0.033					
Cu	63	0.330402	1404.789	ug/L	0.019					
Zn	64	0.464626	1775.745	ug/L	0.023					
Cu	65	0.331916	686.699	ug/L	0.014					
Zn	66	0.496457	1103.411	ug/L	0.015					
Zn	68	0.446735	808.044	ug/L	0.002					
Ge	72	130392.51		ug/L						
As	75	-0.002712	520.655	ug/L	0.106					
Se	74	-3.442592	10641.14	mg/L	6.981					
ArCl	77	480.018		ug/L						

Br	79	1998.573	ug/L						
Br	81	12678.298	ug/L						
Y	89	330309.76	ug/L						
Mo	95	0.10567	444.349	ug/L	0.011				
Rh	103	334735.22	ug/L						
Ag	107	0.098035	1426.126	ug/L	0.005				
Ag	109	0.102616	1388.453	ug/L	0.002				
Cd	111	0.096757	245.672	ug/L	0.003				
Cd	114	0.09784	583.025	ug/L	0.001				
In	115	430049.15	ug/L						
Sb	121	0.148532	1913.554	ug/L	0.006				
Sb	123	0.141742	1419.32	ug/L	0.007				
Ba	137	0.106728	496.352	ug/L	0.004				
Ba	138	0.101239	2981.394	ug/L	0.003				
Tb	159	552845.28	ug/L						
Ho	165	534114.84	ug/L						
Hg	200	0.103638	234.005	ug/L	0				
Hg	202	0.113468	335.343	ug/L	0.002				
Tl	205	0.096958	2573.39	ug/L	0.002				
Pb	208	0.098242	3858.692	ug/L	0				
Bi	209	399837.08	ug/L						
Se	77	0.083362	440.011	mg/L	0.354				
Se	78	-3.040261	11161.68	mg/L	0.474				
Se	82	0.194788	6.643	mg/L	0.141				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.086							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.821
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.927
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.764
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: ICSA
Sample Date/Time Thursday August 25 2011 18:34:20
Autosampl Position: 20
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\ICSA.18377
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7261.568		ug/L						
Be	9	0.065892	24.334	ug/L	0.021					
B	10	0.655498	79.001	ug/L	0.163					
B	11	0.536218	308.008	ug/L	0.033					
C	12	2772581.4		ug/L						
Na	23	46860.133	2.31E+08	ug/L	83.474					
Mg	24	46474.151	1.6E+08	ug/L	56.591					
Mg	25	45823.055	22213618	ug/L	260.82					
Al	27	46596.609	2.44E+08	ug/L	430.893					
Si	28	94380.279		ug/L						
P	31	46978.059	12735497	ug/L	5.207					
S	32	87201001		ug/L						
Cl	35	15354118		ug/L						
K	39	45813.372	3.28E+08	ug/L	374.567					
Ca	44	46506.66	10535027	ug/L	1638.31					
Sc	45	129498.58		ug/L						
Ti	47	106.53507	61824.5	ug/L	3.423					
Ti	48	42.27783	255973.4	ug/L	1.822					
V	51	2.15751	38823.89	ug/L	0.181					
ClO	51	39747.191		ug/L						
Cr	52	-0.073046	5728.616	ug/L	0.033					
Cr	53	7.083238	13069.53	ug/L	0.466					
Fe	54	46897.031	23172189	ug/L	804.281					
Mn	55	0.336413	4315.734	ug/L	0					
Fe	56	46744.521	4.16E+08	ug/L	595.536					
Fe	57	50018.718	10095947	ug/L	258.662					
Co	59	0.149758	1215.093	ug/L	0.001					
Ni	60	1.097408	1926.223	ug/L	0.008					
Ni	62	0.945053	288.341	ug/L	0.017					
Cu	63	0.759445	3088.222	ug/L	0.007					
Zn	64	7.567518	14897.44	ug/L	0.119					
Cu	65	0.616578	1229.429	ug/L	0.024					
Zn	66	4.854804	5795.905	ug/L	0.015					
Zn	68	4.586415	3965.905	ug/L	0.104					
Ge	72	131994.06		ug/L						
As	75	-0.091269	407.133	ug/L	0.012					
Se	74	-29.832255	4405.412	mg/L	1.725					
ArCl	77	1036.403		ug/L						

Br	79	25920.534	ug/L						
Br	81	37601.047	ug/L						
Y	89	331958.88	ug/L						
Mo	95	0.143326	577.691	ug/L	0				
Rh	103	316697.98	ug/L						
Ag	107	0.126365	1652.167	ug/L	0.017				
Ag	109	0.108504	1412.124	ug/L	0.01				
Cd	111	0.110266	272.673	ug/L	0.003				
Cd	114	0.107194	623.694	ug/L	0.004				
In	115	421717.65	ug/L						
Sb	121	0.507746	4868.018	ug/L	0.012				
Sb	123	0.510045	3727.341	ug/L	0.035				
Ba	137	0.236714	1021.068	ug/L	0.004				
Ba	138	0.23568	6496.777	ug/L	0.01				
Tb	159	553012.72	ug/L						
Ho	165	532111.51	ug/L						
Hg	200	0.026778	74.668	ug/L	0.001				
Hg	202	0.019764	76.668	ug/L	0.001				
Tl	205	0.057749	1604.824	ug/L	0				
Pb	208	0.174371	6430.291	ug/L	0.001				
Bi	209	375621.94	ug/L						
Se	77	5.654874	974.719	mg/L	0.255				
Se	78	-2.517801	11309.05	mg/L	0.901				
Se	82	0.289877	19.768	mg/L	0.231				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.899							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.047
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.049
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.398
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: ICSAB
Sample Date/Time Thursday August 25 2011 18:41:01
Autosampl Position: 21
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\ICSAB.18378
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6974.678		ug/L						
Be	9	10.073713	2583.059	ug/L	0.13					
B	10	10.175862	584.025	ug/L	0.188					
B	11	9.681344	2513.706	ug/L	0.1					
C	12	2784533.6		ug/L						
Na	23	48341.004	2.34E+08	ug/L	4.319					
Mg	24	48264.95	1.63E+08	ug/L	146.152					
Mg	25	47849.068	22831930	ug/L	918.438					
Al	27	47722.261	2.46E+08	ug/L	429.761					
Si	28	90554.481		ug/L						
P	31	48811.944	13023912	ug/L	116.818					
S	32	87920552		ug/L						
Cl	35	15423972		ug/L						
K	39	47588.107	3.35E+08	ug/L	558.179					
Ca	44	47812.667	10661830	ug/L	268.44					
Sc	45	127459.35		ug/L						
Ti	47	116.23258	66387.18	ug/L	1.775					
Ti	48	52.607268	313887.3	ug/L	0.159					
V	51	11.715489	113960.6	ug/L	0.279					
ClO	51	115928.38		ug/L						
Cr	52	9.096728	64502.88	ug/L	0.209					
Cr	53	16.663956	20988.41	ug/L	0.156					
Fe	54	47865.456	23277215	ug/L	854.626					
Mn	55	9.470199	95916.3	ug/L	0.108					
Fe	56	48823.409	4.28E+08	ug/L	117.34					
Fe	57	51742.587	10279750	ug/L	871.078					
Co	59	9.343768	70229.93	ug/L	0.112					
Ni	60	10.106773	17048.47	ug/L	0.109					
Ni	62	9.560145	2492.7	ug/L	0.056					
Cu	63	9.420919	36532.96	ug/L	0.115					
Zn	64	16.77258	31407.21	ug/L	0.042					
Cu	65	9.42678	17786.23	ug/L	0.062					
Zn	66	13.991493	15389.5	ug/L	0.199					
Zn	68	13.825672	10844.91	ug/L	0.168					
Ge	72	135384.77		ug/L						
As	75	9.278619	13366.12	ug/L	0.029					
Se	74	-28.120131	4933.826	mg/L	5.846					
ArCl	77	1917.555		ug/L						

Br	79	28177.929	ug/L						
Br	81	40909.953	ug/L						
Y	89	338254.06	ug/L						
Mo	95	9.406062	32814.79	ug/L	0.038				
Rh	103	320629.44	ug/L						
Ag	107	9.318118	86523.71	ug/L	0.264				
Ag	109	9.284757	83610.93	ug/L	0.232				
Cd	111	9.538333	23049.08	ug/L	0.113				
Cd	114	9.546346	54426.31	ug/L	0.15				
In	115	431329.38	ug/L						
Sb	121	11.019673	94556.82	ug/L	0.121				
Sb	123	11.158507	72952.77	ug/L	0.148				
Ba	137	9.76864	41116.85	ug/L	0.15				
Ba	138	9.768217	265892.7	ug/L	0.074				
Tb	159	550272.85	ug/L						
Ho	165	534230.83	ug/L						
Hg	200	0.979023	2046.251	ug/L	0.026				
Hg	202	0.949726	2641.744	ug/L	0.004				
Tl	205	9.048369	222360.5	ug/L	0.06				
Pb	208	9.064206	309581.1	ug/L	0.163				
Bi	209	377619.41	ug/L						
Se	77	15.270326	1897.531	mg/L	0.688				
Se	78	8.302597	14361.2	mg/L	1.114				
Se	82	9.438318	1282.543	mg/L	0.046				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.342							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	103.643
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.215
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.786
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 5ppm LRC-flush
Sample Date/Time Thursday August 25 2011 18:47:41
Autosampl Position: 22
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ LRC-flush.18379
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7050.734		ug/L						
Be	9	-0.004549	6	ug/L	0.003					
B	10	0.233656	55.334	ug/L	0.161					
B	11	0.413637	274.34	ug/L	0.008					
C	12	389252.7		ug/L						
Na	23	5.953835	45116.21	ug/L	0.048					
Mg	24	2.896446	10343.59	ug/L	0.141					
Mg	25	2.970004	1503.609	ug/L	0.266					
Al	27	2.846721	19282.42	ug/L	0.222					
Si	28	54354.099		ug/L						
P	31	-3.134501	12556.61	ug/L	3.999					
S	32	63228425		ug/L						
Cl	35	7683679.9		ug/L						
K	39	0.853947	780584.8	ug/L	2.825					
Ca	44	33.22846	35977.99	ug/L	5.751					
Sc	45	127820.48		ug/L						
Ti	47	0.036023	156.67	ug/L	0.011					
Ti	48	-0.053052	-2329.86	ug/L	0.018					
V	51	1.621392	34045.3	ug/L	0.062					
ClO	51	34545.868		ug/L						
Cr	52	-0.099825	5480.026	ug/L	0.007					
Cr	53	4.658991	10832.23	ug/L	0.371					
Fe	54	6.547901	82291.09	ug/L	5.336					
Mn	55	-0.004716	826.046	ug/L	0.002					
Fe	56	-9.4074	1696841	ug/L	5.765					
Fe	57	4.893018	7947.601	ug/L	1.633					
Co	59	-0.001452	60.667	ug/L	0					
Ni	60	0.031418	103.002	ug/L	0.006					
Ni	62	0.009344	44.001	ug/L	0.022					
Cu	63	0.035437	240.672	ug/L	0.002					
Zn	64	0.344172	1529.174	ug/L	0.049					
Cu	65	0.042172	130.002	ug/L	0					
Zn	66	0.313963	892.719	ug/L	0.043					
Zn	68	0.321991	702.034	ug/L	0.005					
Ge	72	130971.38		ug/L						
As	75	-0.162884	308.421	ug/L	0.067					
Se	74	7.410393	13296.09	mg/L	0.993					
ArCl	77	545.689		ug/L						

Br	79	2081.592	ug/L						
Br	81	14002.916	ug/L						
Y	89	341487.52	ug/L						
Mo	95	0.03172	197.671	ug/L	0.002				
Rh	103	339918.63	ug/L						
Ag	107	0.055244	1063.406	ug/L	0.004				
Ag	109	0.055797	1000.065	ug/L	0.001				
Cd	111	0.000808	15	ug/L	0.001				
Cd	114	0.002451	42.334	ug/L	0.001				
In	115	443244.66	ug/L						
Sb	121	0.030366	937.058	ug/L	0.004				
Sb	123	0.033592	740.766	ug/L	0				
Ba	137	0.024469	156.336	ug/L	0				
Ba	138	0.023227	893.573	ug/L	0.001				
Tb	159	559071.01	ug/L						
Ho	165	540175.31	ug/L						
Hg	200	0.007273	35	ug/L	0.001				
Hg	202	0.003902	33.667	ug/L	0.003				
Tl	205	0.008531	407.013	ug/L	0.002				
Pb	208	0.012465	944.695	ug/L	0				
Bi	209	393731.51	ug/L						
Se	77	0.430703	473.346	mg/L	0.255				
Se	78	-1.855183	11495.96	mg/L	1.016				
Se	82	0.23924	12.779	mg/L	0.382				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.617							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.264
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.901
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.874
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 18:54:22
Autosampl Position: 23
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18380
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7519.108		ug/L						
Be	9	0.050849	20.667	ug/L	0.001					
B	10	1.393033	120.002	ug/L	0.082					
B	11	1.536184	559.023	ug/L	0.116					
C	12	411905.45		ug/L						
Na	23	6.019416	46496.71	ug/L	0.36					
Mg	24	2.077295	7737.413	ug/L	0.187					
Mg	25	1.906673	1016.825	ug/L	0.047					
Al	27	3.321764	22236.16	ug/L	0.341					
Si	28	68846.603		ug/L						
P	31	-5.014516	12346.29	ug/L	1.393					
S	32	63559418		ug/L						
Cl	35	9866196.9		ug/L						
K	39	-3.274749	769078.4	ug/L	0.979					
Ca	44	33.320219	36844.86	ug/L	1.747					
Sc	45	130788.81		ug/L						
Ti	47	0.060626	174.67	ug/L	0.012					
Ti	48	0.001451	-2048.86	ug/L	0.01					
V	51	1.824102	36483.11	ug/L	0.147					
ClO	51	36970.065		ug/L						
Cr	52	-0.023835	6108.769	ug/L	0.012					
Cr	53	5.509882	11825.81	ug/L	0.375					
Fe	54	23.190861	92496.98	ug/L	3.15					
Mn	55	0.087614	1796.863	ug/L	0.01					
Fe	56	-1.426452	1808185	ug/L	0.151					
Fe	57	14.853574	10163.36	ug/L	0.942					
Co	59	0.051889	473.35	ug/L	0.007					
Ni	60	2.270784	3972.245	ug/L	0.204					
Ni	62	2.212796	625.028	ug/L	0.197					
Cu	63	0.249012	1093.743	ug/L	0.003					
Zn	64	3.203627	6904.198	ug/L	0.179					
Cu	65	0.248265	531.021	ug/L	0.01					
Zn	66	3.318524	4184.008	ug/L	0.306					
Zn	68	3.251887	2978.52	ug/L	0.355					
Ge	72	133418.73		ug/L						
As	75	0.018478	560.532	ug/L	0.028					
Se	74	10.36794	14249.13	mg/L	7.881					
ArCl	77	600.693		ug/L						

Br	79	1400.789	ug/L						
Br	81	13335.578	ug/L						
Y	89	342612.97	ug/L						
Mo	95	0.653913	2331.324	ug/L	0.092				
Rh	103	345368.86	ug/L						
Ag	107	0.276852	3213.601	ug/L	0.015				
Ag	109	0.283128	3139.241	ug/L	0.017				
Cd	111	0.040841	116.335	ug/L	0.012				
Cd	114	0.042496	281.007	ug/L	0.001				
In	115	449757.77	ug/L						
Sb	121	0.847674	8218.139	ug/L	0.052				
Sb	123	0.848357	6272.301	ug/L	0.059				
Ba	137	0.09086	449.682	ug/L	0				
Ba	138	0.094083	2917.65	ug/L	0.006				
Tb	159	574524.96	ug/L						
Ho	165	554280.55	ug/L						
Hg	200	0.010887	43.667	ug/L	0				
Hg	202	0.006635	42.334	ug/L	0.001				
Tl	205	0.059925	1727.515	ug/L	0.004				
Pb	208	0.081964	3429.292	ug/L	0.009				
Bi	209	400881.53	ug/L						
Se	77	1.486629	574.685	mg/L	0.059				
Se	78	-0.545863	11865.28	mg/L	0.404				
Se	82	0.624813	66	mg/L	0.385				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.884							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	
|	Mn	
|	Fe	
|	Fe	
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	102.138
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	101.369
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	101.456
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 19:01:03
Autosampl Position: 24
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18381
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7732.621		ug/L						
Be	9	0.003147	8.333	ug/L	0.016					
B	10	3.188506	222.672	ug/L	0.063					
B	11	3.609992	1096.744	ug/L	0.061					
C	12	433388.95		ug/L						
Na	23	10.896481	72266.73	ug/L	0.333					
Mg	24	2.37886	8972.001	ug/L	0.178					
Mg	25	2.363297	1266.882	ug/L	0.178					
Al	27	4.644483	29841.9	ug/L	0.131					
Si	28	88160.937		ug/L						
P	31	-2.962905	13184.21	ug/L	0.593					
S	32	66305227		ug/L						
Cl	35	12162770		ug/L						
K	39	-4.591706	776002.2	ug/L	0.151					
Ca	44	33.090108	37587.96	ug/L	0.677					
Sc	45	133610.69		ug/L						
Ti	47	0.148712	231.005	ug/L	0.037					
Ti	48	0.071442	-1652.73	ug/L	0.008					
V	51	2.260361	40897.93	ug/L	0.2					
ClO	51	41378.069		ug/L						
Cr	52	0.012769	6486.705	ug/L	0.017					
Cr	53	6.729486	13166.33	ug/L	0.527					
Fe	54	52.064055	109166.9	ug/L	5.126					
Mn	55	0.121539	2191.953	ug/L	0.005					
Fe	56	10.68723	1957986	ug/L	1.339					
Fe	57	29.61203	13454.63	ug/L	0.683					
Co	59	0.020734	238.006	ug/L	0.002					
Ni	60	1.583648	2844.807	ug/L	0.069					
Ni	62	1.495055	445.349	ug/L	0.002					
Cu	63	0.539265	2293.979	ug/L	0.011					
Zn	64	3.397259	7421.062	ug/L	0.136					
Cu	65	0.54757	1132.749	ug/L	0.016					
Zn	66	3.396415	4359.088	ug/L	0.025					
Zn	68	3.476185	3217.935	ug/L	0.075					
Ge	72	133919.54		ug/L						
As	75	-0.030408	494.235	ug/L	0.104					
Se	74	12.959335	14914.13	mg/L	12.376					
ArCl	77	702.701		ug/L						

Br	79	1254.766	ug/L						
Br	81	13575.598	ug/L						
Y	89	349342.16	ug/L						
Mo	95	0.27372	1034.403	ug/L	0.009				
Rh	103	347900.05	ug/L						
Ag	107	0.229638	2754.111	ug/L	0.002				
Ag	109	0.231829	2655.081	ug/L	0.01				
Cd	111	0.010936	40.667	ug/L	0.002				
Cd	114	0.012298	101.335	ug/L	0.002				
In	115	449168.88	ug/L						
Sb	121	0.395551	4190.341	ug/L	0.012				
Sb	123	0.394493	3191.03	ug/L	0.008				
Ba	137	0.070968	362.011	ug/L	0.004				
Ba	138	0.075429	2383.86	ug/L	0				
Tb	159	575548.09	ug/L						
Ho	165	556474.85	ug/L						
Hg	200	0.014678	52.001	ug/L	0.001				
Hg	202	0.013054	61.001	ug/L	0.004				
Tl	205	0.014477	571.69	ug/L	0.001				
Pb	208	0.056427	2534.832	ug/L	0				
Bi	209	415139.59	ug/L						
Se	77	3.181694	737.363	mg/L	0.452				
Se	78	-1.412437	11620.85	mg/L	0.274				
Se	82	0.41448	36.967	mg/L	0.499				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.039							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	102.521
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	101.236
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.857
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 19:07:45
Autosampl Position: 25
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18382
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7907.438		ug/L						
Be	9	0.00771	9.333	ug/L	0.012					
B	10	6.12941	379.345	ug/L	0.138					
B	11	6.559611	1810.199	ug/L	0.475					
C	12	456044.59		ug/L						
Na	23	15.430432	93553.92	ug/L	1.456					
Mg	24	4.546586	16356.4	ug/L	0.327					
Mg	25	4.789675	2433.903	ug/L	0.139					
Al	27	11.161452	63835.37	ug/L	1.484					
Si	28	130267.18		ug/L						
P	31	9.259976	16286.22	ug/L	1.449					
S	32	63568053		ug/L						
Cl	35	15816662		ug/L						
K	39	1.538618	805426.3	ug/L	0.822					
Ca	44	48.201957	40319.91	ug/L	2.196					
Sc	45	131056.81		ug/L						
Ti	47	0.305524	319.009	ug/L	0.072					
Ti	48	0.212409	-747.662	ug/L	0.046					
V	51	3.331516	48827.28	ug/L	0.219					
ClO	51	49689.597		ug/L						
Cr	52	0.132117	7150.226	ug/L	0.003					
Cr	53	10.312924	16033.62	ug/L	0.739					
Fe	54	66.979761	114574.6	ug/L	10.171					
Mn	55	0.205213	3016.533	ug/L	0.025					
Fe	56	13.845423	1948467	ug/L	4.461					
Fe	57	29.381671	13164.24	ug/L	5.964					
Co	59	0.017216	206.671	ug/L	0.004					
Ni	60	2.080825	3654.778	ug/L	0.243					
Ni	62	2.011117	573.691	ug/L	0.275					
Cu	63	0.782091	3219.273	ug/L	0.082					
Zn	64	5.167892	10600.08	ug/L	0.466					
Cu	65	0.772395	1548.149	ug/L	0.1					
Zn	66	5.335838	6395.324	ug/L	0.447					
Zn	68	5.397219	4643.903	ug/L	0.389					
Ge	72	132313.26		ug/L						
As	75	-0.266205	171.6	ug/L	0.06					
Se	74	-0.245544	11571	mg/L	20.16					
ArCl	77	963.061		ug/L						

Br	79	1334.111	ug/L			
Br	81	13367.962	ug/L			
Y	89	342089.43	ug/L			
Mo	95	0.213122	816.378	ug/L	0	
Rh	103	349969.11	ug/L			
Ag	107	0.2217	2677.754	ug/L	0.003	
Ag	109	0.222776	2570.722	ug/L	0.002	
Cd	111	0.017034	56.001	ug/L	0.001	
Cd	114	0.017869	134.336	ug/L	0.004	
In	115	449176.03	ug/L			
Sb	121	0.353502	3817.842	ug/L	0.027	
Sb	123	0.352709	2909.188	ug/L	0.036	
Ba	137	0.166122	778.375	ug/L	0.023	
Ba	138	0.167326	4984.896	ug/L	0.024	
Tb	159	566881.02	ug/L			
Ho	165	551506.21	ug/L			
Hg	200	0.028927	82.001	ug/L	0.001	
Hg	202	0.026166	97.668	ug/L	0.004	
Tl	205	0.017434	641.362	ug/L	0.001	
Pb	208	0.21886	8225.568	ug/L	0.033	
Bi	209	405391.45	ug/L			
Se	77	4.94626	906.712	mg/L	0.118	
Se	78	-0.812211	11790.15	mg/L	0.159	
Se	82	0.339162	26.571	mg/L	0.31	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.089							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.291
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	101.238
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.948
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Thursday August 25 2011 19:14:26
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.18383
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7169.496		ug/L						
Be	9	0.002126	7.667	ug/L	0.009					
B	10	0.232034	55.001	ug/L	0.001					
B	11	0.157431	211.005	ug/L	0.015					
C	12	365467.52		ug/L						
Na	23	0.666726	19305.74	ug/L	0.038					
Mg	24	0.41337	1900.391	ug/L	0.077					
Mg	25	0.29265	220.025	ug/L	0.023					
Al	27	0.357284	6389.553	ug/L	0.055					
Si	28	48513.942		ug/L						
P	31	-5.545682	11848.91	ug/L	2.604					
S	32	62085777		ug/L						
Cl	35	7364858.8		ug/L						
K	39	-2.23813	754483	ug/L	0.741					
Ca	44	30.877345	35255.08	ug/L	0.214					
Sc	45	127061.82		ug/L						
Ti	47	0.010157	141.003	ug/L	0.011					
Ti	48	-0.109241	-2653.42	ug/L	0.002					
V	51	1.847412	35631.72	ug/L	0.06					
ClO	51	36216.699		ug/L						
Cr	52	-0.04098	5824.282	ug/L	0.013					
Cr	53	5.353749	11357.54	ug/L	0.271					
Fe	54	-3.905381	76778.13	ug/L	1.112					
Mn	55	-0.013411	734.37	ug/L	0					
Fe	56	-9.281096	1688246	ug/L	3.034					
Fe	57	-1.824296	6573.034	ug/L	1.509					
Co	59	-0.00385	42.334	ug/L	0					
Ni	60	0.001717	52.667	ug/L	0.004					
Ni	62	-0.009268	39	ug/L	0.036					
Cu	63	0.004279	119.002	ug/L	0.002					
Zn	64	0.131664	1135.556	ug/L	0.008					
Cu	65	0.009153	67.334	ug/L	0.004					
Zn	66	0.111949	674.365	ug/L	0.001					
Zn	68	0.121009	547.355	ug/L	0.007					
Ge	72	129295.64		ug/L						
As	75	-0.1787	283.438	ug/L	0.038					
Se	74	-2.735472	10719.34	mg/L	13.756					
ArCl	77	540.355		ug/L						

Br	79	1669.504	ug/L						
Br	81	12884.255	ug/L						
Y	89	335955.08	ug/L						
Mo	95	0.003892	102.668	ug/L	0.001				
Rh	103	333269.49	ug/L						
Ag	107	-0.015906	378.012	ug/L	0.008				
Ag	109	-0.012431	362.011	ug/L	0.007				
Cd	111	0.000707	14.333	ug/L	0.001				
Cd	114	0.000296	29	ug/L	0.001				
In	115	431845.75	ug/L						
Sb	121	-0.003793	621.361	ug/L	0.001				
Sb	123	-0.006453	461.29	ug/L	0.002				
Ba	137	0.003672	64.668	ug/L	0.003				
Ba	138	0.005885	398.259	ug/L	0				
Tb	159	546964.49	ug/L						
Ho	165	533338.24	ug/L						
Hg	200	0.001664	23	ug/L	0.004				
Hg	202	-0.000891	20	ug/L	0				
Tl	205	0.001325	225.338	ug/L	0.001				
Pb	208	0.000459	524.011	ug/L	0				
Bi	209	397643	ug/L						
Se	77	1.028134	530.682	mg/L	0.236				
Se	78	-2.807633	11227.3	mg/L	0.896				
Se	82	0.113055	-4.639	mg/L	0.12				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.038							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.981
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.332
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.622
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Thursday August 25 2011 19:21:36
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.18384
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7325.617		ug/L						
Be	9	113.1154	28842.64	ug/L	2.832					
B	10	105.74376	5648.811	ug/L	4.089					
B	11	103.66003	25150.66	ug/L	3.109					
C	12	400586.12		ug/L						
Na	23	101.08771	504450.8	ug/L	1.055					
Mg	24	100.13191	338372.1	ug/L	1.967					
Mg	25	99.822119	47552.15	ug/L	3.887					
Al	27	100.21647	518574.4	ug/L	2.378					
Si	28	185271.14		ug/L						
P	31	-6.432624	11615.24	ug/L	1.216					
S	32	63153591		ug/L						
Cl	35	7080549.8		ug/L						
K	39	988.77677	7701012	ug/L	32.638					
Ca	44	133.27488	57963.31	ug/L	2.885					
Sc	45	127086.26		ug/L						
Ti	47	102.11201	58160.37	ug/L	2.485					
Ti	48	101.91103	608080.8	ug/L	1.688					
V	51	99.188241	804592.4	ug/L	3.07					
ClO	51	809937.62		ug/L						
Cr	52	102.31022	660912.3	ug/L	2.174					
Cr	53	96.528533	88453.8	ug/L	2.549					
Fe	54	100.03779	127005.2	ug/L	4.745					
Mn	55	100.68041	1008203	ug/L	2.553					
Fe	56	142.81523	3011008	ug/L	11.969					
Fe	57	100.25084	26772.04	ug/L	4.604					
Co	59	103.16634	772389.6	ug/L	1.511					
Ni	60	101.79062	170740.2	ug/L	1.329					
Ni	62	100.44956	25714.24	ug/L	2.574					
Cu	63	102.66197	395864.9	ug/L	2.675					
Zn	64	97.988453	178576.3	ug/L	2.039					
Cu	65	102.47773	192280.1	ug/L	1.128					
Zn	66	99.878254	106114.4	ug/L	1.755					
Zn	68	101.46062	76451.21	ug/L	1.73					
Ge	72	127545.84		ug/L						
As	75	107.17388	140047.1	ug/L	0.541					
Se	74	18.746767	15593.73	mg/L	1.567					
ArCl	77	9701.941		ug/L						

Br	79	1561.15	ug/L			
Br	81	13169.339	ug/L			
Y	89	333056.98	ug/L			
Mo	95	99.705841	326832.6	ug/L	2.426	
Rh	103	334069.02	ug/L			
Ag	107	64.611463	593285.1	ug/L	0.732	
Ag	109	65.975812	587830	ug/L	2.999	
Cd	111	105.39111	253017.6	ug/L	0.079	
Cd	114	104.47425	591813.1	ug/L	0.477	
In	115	428707.89	ug/L			
Sb	121	96.730943	820147.4	ug/L	5.093	
Sb	123	98.690607	637582.4	ug/L	6.002	
Ba	137	105.09049	439204.1	ug/L	0.201	
Ba	138	102.41273	2768663	ug/L	0.256	
Tb	159	549865.46	ug/L			
Ho	165	539934.45	ug/L			
Hg	200	1.037652	2190.286	ug/L	0.005	
Hg	202	1.01909	2863.48	ug/L	0.019	
Tl	205	103.82538	2576839	ug/L	0.83	
Pb	208	99.169963	3418643	ug/L	0.687	
Bi	209	408211.01	ug/L			
Se	77	95.302614	9578.377	mg/L	1.18	
Se	78	102.2949	40873.93	mg/L	3.95	
Se	82	94.79248	13064.12	mg/L	2.162	

QC	Calculated Values							
	Analyte	QC	Std	% Recovery	Int	Std	%	Recovery
|-	Li							
|	Be	111.995						
|	B	105.427						
|	B	103.35						
|	C							
|	Na	99.79						
|	Mg	99.141						
|	Mg	98.834						
|	Al	99.817						
|	Si							
|	P							
|	S							
|	Cl							
|	K	98.582						
|	Ca	132.086						
|>	Sc	97.057						
|	Ti	102.112						
|	Ti	101.911						
|	V	98.793						
|	ClO							
|	Cr	101.297						

|	Cr	95.573
|	Fe	99.441
|	Mn	100.279
|	Fe	141.963
|	Fe	99.653
|	Co	102.551
|	Ni	100.983
|	Ni	99.652
|	Cu	102.765
|	Zn	97.307
|	Cu	102.58
|	Zn	99.184
|-	Zn	100.755
|>	Ge	97.642
|	As	107.821
|	Se	18.709
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	99.408
|-	Rh	
|	Ag	64.099
|	Ag	65.452
|	Cd	104.867
|	Cd	103.954
|>	In	96.624
|	Sb	96.442
|	Sb	98.395
|	Ba	104.36
|-	Ba	101.701
|-	Tb	
|>	Ho	98.83
|	Hg	103.765
|	Hg	101.909
|	Tl	103.825
|	Pb	99.17
|-	Bi	
	Se	95.112
	Se	102.091
	Se	94.603

Sample ID: QC Std 5
Sample Date/Time Thursday August 25 2011 19:28:44
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.18385
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7405.684		ug/L						
Be	9	48.344153	12459.99	ug/L	0.05					
B	10	167.59155	9022.566	ug/L	0.809					
B	11	168.33154	41158.04	ug/L	1.753					
C	12	397590.81		ug/L						
Na	23	3.311668	32417.61	ug/L	0.009					
Mg	24	0.397049	1863.711	ug/L	0.003					
Mg	25	0.369939	260.03	ug/L	0.128					
Al	27	180.27741	938830	ug/L	2.156					
Si	28	94050.022		ug/L						
P	31	-4.362382	12299.57	ug/L	2.934					
S	32	64186867		ug/L						
Cl	35	7016508.8		ug/L						
K	39	-1.618986	766623.2	ug/L	1.712					
Ca	44	26.071637	34548.99	ug/L	1.189					
Sc	45	128388.37		ug/L						
Ti	47	0.026449	151.669	ug/L	0.028					
Ti	48	-0.034518	-2229.76	ug/L	0.013					
V	51	25.775596	226998.8	ug/L	0.268					
ClO	51	230348.78		ug/L						
Cr	52	49.952339	329176.1	ug/L	0.424					
Cr	53	48.454541	48300.46	ug/L	0.394					
Fe	54	187.5846	171070.1	ug/L	0.031					
Mn	55	109.04153	1103127	ug/L	1.857					
Fe	56	211.82768	3649271	ug/L	0.726					
Fe	57	185.46239	44081.03	ug/L	7.457					
Co	59	24.861952	188087.4	ug/L	0.554					
Ni	60	207.15936	350978.4	ug/L	3.583					
Ni	62	204.45697	52834.62	ug/L	4.23					
Cu	63	79.229244	308642.3	ug/L	2.7					
Zn	64	99.75494	183610.8	ug/L	4.117					
Cu	65	79.761353	151188.7	ug/L	1.705					
Zn	66	103.56096	111132.3	ug/L	2.011					
Zn	68	106.12493	80763.3	ug/L	1.936					
Ge	72	129766.26		ug/L						
As	75	43.808875	58551.28	ug/L	0.061					
Se	74	21.026566	16406.63	mg/L	11.934					
ArCl	77	15537.088		ug/L						

Br	79	1637.497	ug/L			
Br	81	13416.031	ug/L			
Y	89	336303.05	ug/L			
Mo	95	42.394813	141443.7	ug/L	0.537	
Rh	103	337568.27	ug/L			
Ag	107	52.08437	488600.6	ug/L	0.558	
Ag	109	52.144421	474536	ug/L	0.874	
Cd	111	23.993667	58845.77	ug/L	0.179	
Cd	114	23.721263	137266.2	ug/L	0.018	
In	115	437877.6	ug/L			
Sb	121	50.794233	440095.4	ug/L	0.556	
Sb	123	51.552327	340331.4	ug/L	0.539	
Ba	137	145.87633	622688.3	ug/L	0.361	
Ba	138	141.62185	3910350	ug/L	1.279	
Tb	159	554276.11	ug/L			
Ho	165	540361.3	ug/L			
Hg	200	1.075919	2272.307	ug/L	0.011	
Hg	202	1.014626	2853.143	ug/L	0.003	
Tl	205	14.437941	358733	ug/L	0.288	
Pb	208	103.00062	3553033	ug/L	1.737	
Bi	209	405975.46	ug/L			
Se	77	154.45622	15255.46	mg/L	1.968	
Se	78	167.77286	59343.52	mg/L	3.286	
Se	82	153.07017	21108.29	mg/L	2.096	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	113.484							
|	B	104.745							
|	B	105.207							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	102.43							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.051							
|	Ti								
|	Ti								
|	V	103.516							
|	ClO								
|	Cr	101.529							

	Cr	98.485
	Fe	104.796
	Mn	102.869
	Fe	118.339
	Fe	103.61
	Co	106.704
	Ni	101.549
	Ni	100.224
	Cu	101.316
	Zn	95.005
	Cu	101.997
	Zn	98.629
-	Zn	101.071
>	Ge	99.341
	As	111.19
	Se	13.142
	ArCl	
	Br	
	Br	
	Y	
-	Mo	101.181
-	Rh	
	Ag	103.547
	Ag	103.667
	Cd	103.421
	Cd	102.247
>	In	98.691
	Sb	109.235
	Sb	110.865
	Ba	103.458
-	Ba	100.441
-	Tb	
>	Ho	98.908
	Hg	107.592
	Hg	101.463
	Tl	101.676
	Pb	99.039
-	Bi	
	Se	96.535
	Se	104.858
	Se	95.669

Sample ID: QC Std 6
Sample Date/Time Thursday August 25 2011 19:35:53
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.18386
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7044.062		ug/L						
Be	9	0.00173	7.667	ug/L	0.006					
B	10	0.830291	88.001	ug/L	0.094					
B	11	0.958616	410.013	ug/L	0.099					
C	12	388036.73		ug/L						
Na	23	10109.941	49578630	ug/L	59.692					
Mg	24	9906.4749	33923109	ug/L	31.866					
Mg	25	10144.005	4896612	ug/L	43.413					
Al	27	10118.802	52678222	ug/L	124.945					
Si	28	52208.105		ug/L						
P	31	9936.9723	2693109	ug/L	29.169					
S	32	62387988		ug/L						
Cl	35	1634670.3		ug/L						
K	39	9850.2541	70860192	ug/L	105.729					
Ca	44	10017.851	2282830	ug/L	147.74					
Sc	45	128950.79		ug/L						
Ti	47	23.09375	13455.42	ug/L	0.13					
Ti	48	8.503286	49631.94	ug/L	0.231					
V	51	-0.059334	20874.82	ug/L	0.047					
ClO	51	21404.05		ug/L						
Cr	52	-0.04988	5853.134	ug/L	0.018					
Cr	53	-0.351262	6631.151	ug/L	0.142					
Fe	54	10177.857	5070769	ug/L	25.63					
Mn	55	0.089993	1795.529	ug/L	0.013					
Fe	56	10258.934	92357787	ug/L	13.794					
Fe	57	10743.148	2164727	ug/L	45.065					
Co	59	0.028973	292.341	ug/L	0.001					
Ni	60	0.245566	468.35	ug/L	0.022					
Ni	62	0.08469	64.001	ug/L	0.028					
Cu	63	0.247677	1073.074	ug/L	0.001					
Zn	64	0.700226	2198.753	ug/L	0.001					
Cu	65	0.161335	358.011	ug/L	0.006					
Zn	66	0.624552	1234.096	ug/L	0.036					
Zn	68	0.558598	888.052	ug/L	0.048					
Ge	72	130584.58		ug/L						
As	75	0.005453	531.577	ug/L	0.006					
Se	74	-1.492485	11114.52	mg/L	12.334					
ArCl	77	304.008		ug/L						

Br	79	1079.742	ug/L						
Br	81	12231.012	ug/L						
Y	89	333767.75	ug/L						
Mo	95	0.18751	720.369	ug/L	0.032				
Rh	103	321479.26	ug/L						
Ag	107	0.167018	2045.919	ug/L	0.032				
Ag	109	0.17116	1985.906	ug/L	0.038				
Cd	111	0.011908	41.001	ug/L	0.001				
Cd	114	0.013349	102.335	ug/L	0.001				
In	115	427263.65	ug/L						
Sb	121	0.736876	6863.345	ug/L	0.107				
Sb	123	0.743593	5278.552	ug/L	0.082				
Ba	137	0.054629	276.34	ug/L	0.002				
Ba	138	0.054753	1710.476	ug/L	0.001				
Tb	159	552929.33	ug/L						
Ho	165	538252.28	ug/L						
Hg	200	0.011175	43.001	ug/L	0.001				
Hg	202	0.012357	57.001	ug/L	0				
Tl	205	0.006504	355.677	ug/L	0				
Pb	208	0.045912	2091.115	ug/L	0.003				
Bi	209	375742.22	ug/L						
Se	77	-1.66722	272.004	mg/L	0.275				
Se	78	-1.727256	11532.04	mg/L	0.561				
Se	82	0.546023	55.125	mg/L	0.076				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	101.099							
|	Mg	99.065							
|	Mg	101.44							
|	Al	101.188							
|	Si								
|	P	99.37							
|	S								
|	Cl								
|	K	98.503							
|	Ca	100.179							
|>	Sc	98.481							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	101.779
|	Mn	
|	Fe	102.589
|	Fe	107.431
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	99.968
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	96.299
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	98.522
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 19:43:03
Autosampl Position: 26
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18387
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7377.659		ug/L						
Be	9	0.008716	9.333	ug/L	0.009					
B	10	1.164469	104.668	ug/L	0.156					
B	11	1.112236	442.349	ug/L	0.069					
C	12	387464.2		ug/L						
Na	23	6.041391	45427.81	ug/L	0.017					
Mg	24	1.372385	5148.639	ug/L	0.083					
Mg	25	1.237228	670.092	ug/L	0.196					
Al	27	1.328003	11398.28	ug/L	0.106					
Si	28	60177.865		ug/L						
P	31	-4.8085	12072.56	ug/L	3.803					
S	32	63378091		ug/L						
Cl	35	8617304.2		ug/L						
K	39	-1.154122	764209.4	ug/L	4.547					
Ca	44	25.20808	34107.27	ug/L	2.962					
Sc	45	127511.21		ug/L						
Ti	47	0.038413	157.67	ug/L	0.008					
Ti	48	-0.041496	-2255.5	ug/L	0.003					
V	51	1.1707	30390.03	ug/L	0.032					
ClO	51	30876.679		ug/L						
Cr	52	-0.07206	5641.617	ug/L	0.036					
Cr	53	3.429011	9763.673	ug/L	0.108					
Fe	54	0.795014	79232.87	ug/L	11.309					
Mn	55	0.027976	1151.084	ug/L	0.008					
Fe	56	-16.322241	1632126	ug/L	4.847					
Fe	57	2.736819	7500.51	ug/L	0.797					
Co	59	0.001197	80.334	ug/L	0.001					
Ni	60	0.108968	233.339	ug/L	0					
Ni	62	0.107973	69.001	ug/L	0.055					
Cu	63	0.045174	278.007	ug/L	0.005					
Zn	64	0.866001	2475.124	ug/L	0.024					
Cu	65	0.049335	143.003	ug/L	0.005					
Zn	66	0.84843	1456.465	ug/L	0.075					
Zn	68	0.842652	1091.076	ug/L	0.049					
Ge	72	124866.36		ug/L						
As	75	-0.151018	308.853	ug/L	0.106					
Se	74	22.584591	16143.43	mg/L	2.807					
ArCl	77	569.024		ug/L						

Br	79	1218.094	ug/L			
Br	81	12087.151	ug/L			
Y	89	330862.19	ug/L			
Mo	95	0.121252	475.684	ug/L	0.003	
Rh	103	339115.98	ug/L			
Ag	107	0.14503	1850.54	ug/L	0.005	
Ag	109	0.143129	1742.851	ug/L	0.006	
Cd	111	0.003941	22	ug/L	0	
Cd	114	0.005887	60.334	ug/L	0	
In	115	428262.03	ug/L			
Sb	121	0.376522	3834.18	ug/L	0.007	
Sb	123	0.373383	2906.344	ug/L	0.007	
Ba	137	0.018632	126.669	ug/L	0.003	
Ba	138	0.019113	752.206	ug/L	0.001	
Tb	159	551914.63	ug/L			
Ho	165	539863.78	ug/L			
Hg	200	0.007442	35.334	ug/L	0.001	
Hg	202	0.006797	41.667	ug/L	0.001	
Tl	205	0.005632	335.01	ug/L	0.001	
Pb	208	0.030158	1553.734	ug/L	0.001	
Bi	209	392227.72	ug/L			
Se	77	1.111497	538.683	mg/L	0.275	
Se	78	-3.782136	10952.42	mg/L	0.504	
Se	82	0.098792	-6.607	mg/L	0.156	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.381							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.59
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.524
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.817
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 19:49:42
Autosampl Position: 27
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18388
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7377.659		ug/L						
Be	9	0.042005	17.667	ug/L	0.012					
B	10	0.636361	75.668	ug/L	0.021					
B	11	0.527965	297.008	ug/L	0.105					
C	12	385036.7		ug/L						
Na	23	1.208197	21691.35	ug/L	0.174					
Mg	24	0.615101	2553.948	ug/L	0.007					
Mg	25	0.744334	430.053	ug/L	0.105					
Al	27	0.639545	7754.081	ug/L	0.052					
Si	28	54884.005		ug/L						
P	31	-7.560389	11194.68	ug/L	2.741					
S	32	62675809		ug/L						
Cl	35	7599107		ug/L						
K	39	-1.177238	754035.2	ug/L	1.477					
Ca	44	23.283017	33230.63	ug/L	1.11					
Sc	45	125764.05		ug/L						
Ti	47	0.043238	158.003	ug/L	0.031					
Ti	48	-0.065904	-2369.6	ug/L	0.002					
V	51	1.179825	30048.89	ug/L	0.007					
ClO	51	30795.047		ug/L						
Cr	52	-0.067478	5595.89	ug/L	0.026					
Cr	53	3.371498	9583.813	ug/L	0.074					
Fe	54	-5.409181	75266.85	ug/L	1.52					
Mn	55	0.080052	1652.167	ug/L	0.003					
Fe	56	-18.564947	1590812	ug/L	5.093					
Fe	57	-1.544324	6559.689	ug/L	1.341					
Co	59	0.012364	162.003	ug/L	0.001					
Ni	60	0.160658	316.009	ug/L	0.005					
Ni	62	0.116056	70.334	ug/L	0.003					
Cu	63	0.066269	354.344	ug/L	0					
Zn	64	0.402129	1609.335	ug/L	0.006					
Cu	65	0.072562	184.337	ug/L	0					
Zn	66	0.409653	979.063	ug/L	0.021					
Zn	68	0.388297	739.704	ug/L	0.037					
Ge	72	126608.92		ug/L						
As	75	-0.12777	343.149	ug/L	0.016					
Se	74	12.942211	14126.63	mg/L	7.191					
ArCl	77	533.688		ug/L						

Br	79	1443.129	ug/L						
Br	81	12384.222	ug/L						
Y	89	332477.28	ug/L						
Mo	95	0.053618	262.34	ug/L	0.002				
Rh	103	329739.67	ug/L						
Ag	107	0.038683	878.051	ug/L	0.004				
Ag	109	0.044729	870.05	ug/L	0.003				
Cd	111	0.02139	64.001	ug/L	0.003				
Cd	114	0.017495	126.335	ug/L	0.002				
In	115	429354.43	ug/L						
Sb	121	0.169074	2084.26	ug/L	0				
Sb	123	0.168311	1588.392	ug/L	0.012				
Ba	137	0.102977	480.017	ug/L	0.002				
Ba	138	0.099857	2940.037	ug/L	0				
Tb	159	543346.34	ug/L						
Ho	165	527413.94	ug/L						
Hg	200	0.001638	22.667	ug/L	0.001				
Hg	202	0.002753	29.667	ug/L	0.001				
Tl	205	0.011053	458.683	ug/L	0				
Pb	208	0.07498	3026.894	ug/L	0.001				
Bi	209	391005.44	ug/L						
Se	77	0.4446	474.679	mg/L	1.061				
Se	78	-4.119716	10857.2	mg/L	0.052				
Se	82	0.535156	53.625	mg/L	0.045				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.047							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.924
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.77
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.538
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: BLK
Sample Date/Time Thursday August 25 2011 19:56:21
Autosampl Position: 28
Sample Description Redigest 25-Aug B
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\BLK.18389
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7794.008		ug/L						
Be	9	0.000886	7.333	ug/L	0					
B	10	0.277391	57.334	ug/L	0.028					
B	11	0.513806	296.675	ug/L	0.13					
C	12	508821.9		ug/L						
Na	23	0.62832	19098.62	ug/L	0.033					
Mg	24	0.368625	1747.01	ug/L	0.034					
Mg	25	0.328147	236.693	ug/L	0.005					
Al	27	0.328411	6232.759	ug/L	0.027					
Si	28	57309.153		ug/L						
P	31	-7.334077	11361.57	ug/L	1.561					
S	32	63110418		ug/L						
Cl	35	7406199.5		ug/L						
K	39	-3.00696	748223.3	ug/L	0.193					
Ca	44	28.716331	34733.03	ug/L	3.878					
Sc	45	126918.52		ug/L						
Ti	47	0.032739	153.67	ug/L	0.012					
Ti	48	-0.067598	-2400.94	ug/L	0.017					
V	51	1.193175	30430.15	ug/L	0.01					
ClO	51	30750.9		ug/L						
Cr	52	-0.025315	5918.206	ug/L	0.002					
Cr	53	3.548606	9821.067	ug/L	0.051					
Fe	54	-8.423986	74511.63	ug/L	1.355					
Mn	55	-0.016794	699.701	ug/L	0					
Fe	56	-14.766546	1638806	ug/L	0.682					
Fe	57	-1.000157	6729.83	ug/L	0.217					
Co	59	-0.002817	50.001	ug/L	0					
Ni	60	0.002147	53.334	ug/L	0.003					
Ni	62	-0.035279	32.334	ug/L	0.014					
Cu	63	0.005431	123.335	ug/L	0					
Zn	64	0.31751	1470.917	ug/L	0.002					
Cu	65	0.010832	70.334	ug/L	0.005					
Zn	66	0.330895	904.721	ug/L	0.002					
Zn	68	0.384888	744.038	ug/L	0.039					
Ge	72	128440.99		ug/L						
As	75	-0.097629	387.256	ug/L	0.115					
Se	74	6.387086	12794.4	mg/L	6.695					
ArCl	77	515.686		ug/L						

Br	79	1238.43	ug/L						
Br	81	12490.033	ug/L						
Y	89	336541.6	ug/L						
Mo	95	0.024935	171.337	ug/L	0.01				
Rh	103	340830.19	ug/L						
Ag	107	0.034797	852.716	ug/L	0.01				
Ag	109	0.037821	818.379	ug/L	0.009				
Cd	111	0.002857	19.667	ug/L	0				
Cd	114	0.000791	32	ug/L	0.001				
In	115	434140.28	ug/L						
Sb	121	0.069758	1256.767	ug/L	0.012				
Sb	123	0.080641	1033.094	ug/L	0.001				
Ba	137	0.003887	66.001	ug/L	0.001				
Ba	138	0.004814	370.914	ug/L	0				
Tb	159	563365.83	ug/L						
Ho	165	535619.9	ug/L						
Hg	200	-0.000586	18.334	ug/L	0.002				
Hg	202	0.000549	24	ug/L	0.002				
Tl	205	-0.000092	191.337	ug/L	0.001				
Pb	208	0.000683	533.678	ug/L	0				
Bi	209	400174.09	ug/L						
Se	77	0.527959	482.68	mg/L	0.314				
Se	78	-3.282164	11093.45	mg/L	1.716				
Se	82	0.448139	41.614	mg/L	0.32				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.929							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.327
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.849
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.04
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LCS
Sample Date/Time Thursday August 25 2011 20:03:00
Autosampl Position: 29
Sample Descriptior 19-Aug A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LCS.18390
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7641.877		ug/L						
Be	9	1166.7887	289644.7	ug/L	18.315					
B	10	1.312199	109.335	ug/L	0.004					
B	11	1.111267	429.348	ug/L	0.037					
C	12	1339960.6		ug/L						
Na	23	11324.295	53283391	ug/L	141.654					
Mg	24	11091.929	36442859	ug/L	227.368					
Mg	25	11003.141	5096296	ug/L	85.138					
Al	27	11081.274	55353737	ug/L	21.393					
Si	28	73775.548		ug/L						
P	31	10093.028	2624194	ug/L	300.754					
S	32	62986655		ug/L						
Cl	35	9854200.8		ug/L						
K	39	10938.058	75423727	ug/L	121.398					
Ca	44	10895.922	2379703	ug/L	406.638					
Sc	45	123736.44		ug/L						
Ti	47	22.118014	12371.54	ug/L	0.01					
Ti	48	10.238414	57770.09	ug/L	1.075					
V	51	971.07408	7490833	ug/L	14.079					
ClO	51	7520791.4		ug/L						
Cr	52	983.67529	6136658	ug/L	10.29					
Cr	53	854.85695	710620.6	ug/L	5.325					
Fe	54	11268.652	5378219	ug/L	322.115					
Mn	55	990.18018	9647653	ug/L	23.104					
Fe	56	11004.922	94934629	ug/L	163.958					
Fe	57	11943.442	2308570	ug/L	73.16					
Co	59	977.34903	7124372	ug/L	8.386					
Ni	60	916.99207	1497361	ug/L	0.953					
Ni	62	907.36917	225898.9	ug/L	12.676					
Cu	63	916.26759	3439427	ug/L	28.211					
Zn	64	909.7709	1607260	ug/L	8.369					
Cu	65	890.33667	1626234	ug/L	6.294					
Zn	66	946.67425	974818.6	ug/L	1.79					
Zn	68	962.9442	702789.3	ug/L	0.904					
Ge	72	125212.5		ug/L						
As	75	965.42718	1234238	ug/L	21.765					
Se	74	29.200474	17685.42	mg/L	10.158					
ArCl	77	87256.627		ug/L						

Br	79	6049.41	ug/L						
Br	81	16377.246	ug/L						
Y	89	317688.96	ug/L						
Mo	95	998.76991	3213417	ug/L	2.827				
Rh	103	311631.62	ug/L						
Ag	107	57.213358	500847	ug/L	0.657				
Ag	109	57.620735	489252	ug/L	1.521				
Cd	111	1003.5127	2296305	ug/L	7.661				
Cd	114	1012.4816	5466612	ug/L	9.263				
In	115	408624.74	ug/L						
Sb	121	1084.1632	8754663	ug/L	30.423				
Sb	123	1091.3925	6714873	ug/L	24.013				
Ba	137	993.44336	3957089	ug/L	3.398				
Ba	138	995.57064	25653673	ug/L	18.03				
Tb	159	533603.61	ug/L						
Ho	165	524916.4	ug/L						
Hg	200	1.04697	2148.275	ug/L	0.007				
Hg	202	1.021653	2790.79	ug/L	0.01				
Tl	205	997.26287	24059157	ug/L	15.424				
Pb	208	970.3648	32515418	ug/L	2.382				
Bi	209	378852.83	ug/L						
Se	77	903.73607	87165.22	mg/L	2.777				
Se	78	996.51647	293110.1	mg/L	18.12				
Se	82	892.88479	123226.2	mg/L	4.047				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.498							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.855
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.098
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.081
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 20:09:40
Autosampl Position: 30
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18391
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7318.945		ug/L						
Be	9	0.054763	20.667	ug/L	0.021					
B	10	0.740131	80.001	ug/L	0.182					
B	11	0.829494	364.678	ug/L	0.024					
C	12	412386.72		ug/L						
Na	23	7.744699	52291.85	ug/L	0.193					
Mg	24	1.312762	4825.097	ug/L	0.03					
Mg	25	1.16335	620.083	ug/L	0.009					
Al	27	4.022452	24622.43	ug/L	0.047					
Si	28	58751.766		ug/L						
P	31	-2.561801	12352.96	ug/L	2.953					
S	32	60802097		ug/L						
Cl	35	8174645.9		ug/L						
K	39	6.277984	795745.9	ug/L	2.932					
Ca	44	37.266068	35844.1	ug/L	3.425					
Sc	45	124224.55		ug/L						
Ti	47	0.07897	176.003	ug/L	0.009					
Ti	48	-0.041169	-2195.51	ug/L	0.003					
V	51	1.442119	31704.51	ug/L	0.032					
ClO	51	32033.333		ug/L						
Cr	52	-0.100703	5320.447	ug/L	0.005					
Cr	53	4.12994	10091.37	ug/L	0.17					
Fe	54	-1.703527	76065.77	ug/L	6.516					
Mn	55	0.045182	1292.105	ug/L	0.009					
Fe	56	-20.720287	1552804	ug/L	5.602					
Fe	57	3.470546	7447.128	ug/L	2.051					
Co	59	0.029718	287.674	ug/L	0.007					
Ni	60	0.084069	186.337	ug/L	0.009					
Ni	62	0.041876	51.001	ug/L	0.02					
Cu	63	0.252165	1049.405	ug/L	0.029					
Zn	64	2.111545	4618.309	ug/L	0.086					
Cu	65	0.253668	514.02	ug/L	0.008					
Zn	66	2.152279	2766.782	ug/L	0.053					
Zn	68	2.136112	2009.909	ug/L	0.092					
Ge	72	125269.2		ug/L						
As	75	0.169917	720.057	ug/L	0.049					
Se	74	11.958515	13759.32	mg/L	1.043					
ArCl	77	542.355		ug/L						

Br	79	1204.092	ug/L						
Br	81	11509.73	ug/L						
Y	89	325480.3	ug/L						
Mo	95	1.630213	5331.628	ug/L	0.212				
Rh	103	327701.8	ug/L						
Ag	107	0.313606	3363.99	ug/L	0.02				
Ag	109	0.316078	3250.614	ug/L	0.016				
Cd	111	0.043826	116.669	ug/L	0.001				
Cd	114	0.044704	277.674	ug/L	0.002				
In	115	424566.64	ug/L						
Sb	121	4.664716	39694.02	ug/L	0.768				
Sb	123	4.694237	30434.13	ug/L	0.824				
Ba	137	0.046639	241.672	ug/L	0.003				
Ba	138	0.049389	1557.168	ug/L	0.003				
Tb	159	537239.91	ug/L						
Ho	165	523642.57	ug/L						
Hg	200	0.01197	43.334	ug/L	0.005				
Hg	202	0.010131	49.334	ug/L	0.003				
Tl	205	0.162118	4084.299	ug/L	0.025				
Pb	208	0.082247	3248.928	ug/L	0.002				
Bi	209	387929.82	ug/L						
Se	77	0.986453	526.682	mg/L	0.491				
Se	78	-3.629971	10995.34	mg/L	0.602				
Se	82	0.787449	88.449	mg/L	0.062				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.871							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.899
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.691
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.848
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 20:16:19
Autosampl Position: 31
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18392
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7723.28		ug/L						
Be	9	0.002757	8	ug/L	0					
B	10	0.577498	75.001	ug/L	0.187					
B	11	0.71632	353.677	ug/L	0.001					
C	12	404877.31		ug/L						
Na	23	4.072087	36583.79	ug/L	0.119					
Mg	24	0.775576	3194.215	ug/L	0.06					
Mg	25	0.761601	453.39	ug/L	0.016					
Al	27	7.64896	44801.28	ug/L	0.213					
Si	28	56098.165		ug/L						
P	31	-6.57644	11845.56	ug/L	0.605					
S	32	63346431		ug/L						
Cl	35	8168832.4		ug/L						
K	39	-1.787852	775168.4	ug/L	0.428					
Ca	44	23.20103	34331.47	ug/L	2.094					
Sc	45	130005.65		ug/L						
Ti	47	0.036678	159.67	ug/L	0.003					
Ti	48	-0.024877	-2198.26	ug/L	0.012					
V	51	1.328268	32263.48	ug/L	0.064					
ClO	51	33003.812		ug/L						
Cr	52	-0.116351	5466.128	ug/L	0.018					
Cr	53	3.885935	10352	ug/L	0.289					
Fe	54	-12.931686	74089.21	ug/L	4.207					
Mn	55	0.016473	1057.406	ug/L	0.006					
Fe	56	-24.458687	1592450	ug/L	4.954					
Fe	57	-2.894854	6509.647	ug/L	0.1					
Co	59	0.008858	140.669	ug/L	0.001					
Ni	60	0.032451	106.668	ug/L	0.01					
Ni	62	0.012657	45.667	ug/L	0.013					
Cu	63	0.144789	676.032	ug/L	0.001					
Zn	64	1.371552	3462.262	ug/L	0.013					
Cu	65	0.158251	355.01	ug/L	0.005					
Zn	66	1.355696	2034.915	ug/L	0.031					
Zn	68	1.382114	1526.477	ug/L	0.007					
Ge	72	129292.93		ug/L						
As	75	0.02108	547.014	ug/L	0.046					
Se	74	12.840848	14412.05	mg/L	10.2					
ArCl	77	490.018		ug/L						

Br	79	1074.408	ug/L						
Br	81	11646.24	ug/L						
Y	89	337594.09	ug/L						
Mo	95	0.413514	1463.466	ug/L	0.004				
Rh	103	340498.17	ug/L						
Ag	107	0.140245	1856.541	ug/L	0.003				
Ag	109	0.139721	1759.855	ug/L	0.007				
Cd	111	0.014654	49.001	ug/L	0.002				
Cd	114	0.014997	115.002	ug/L	0.003				
In	115	440091.37	ug/L						
Sb	121	1.171734	10853.93	ug/L	0.065				
Sb	123	1.190084	8396.865	ug/L	0.077				
Ba	137	0.026271	163.003	ug/L	0.008				
Ba	138	0.027492	1005.517	ug/L	0.002				
Tb	159	565127.09	ug/L						
Ho	165	549768.98	ug/L						
Hg	200	0.008859	39	ug/L	0.004				
Hg	202	0.006409	41.334	ug/L	0.001				
Tl	205	0.034408	1068.407	ug/L	0.002				
Pb	208	0.037653	1845.425	ug/L	0.002				
Bi	209	415210.7	ug/L						
Se	77	-0.138936	418.676	mg/L	0.236				
Se	78	-4.438955	10767.15	mg/L	0.048				
Se	82	0.384292	32.801	mg/L	0.052				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.286							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.979
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.19
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.63
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 20:22:59
Autosampl Position: 32
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18393
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7229.542		ug/L						
Be	9	0.015399	11	ug/L	0.013					
B	10	-0.029323	41.001	ug/L	0.083					
B	11	0.032721	180.337	ug/L	0.024					
C	12	364898.68		ug/L						
Na	23	0.174596	16874	ug/L	0.043					
Mg	24	0.146764	996.822	ug/L	0.043					
Mg	25	0.132492	143.349	ug/L	0.09					
Al	27	0.483682	7013.406	ug/L	0.042					
Si	28	50367.779		ug/L						
P	31	-5.312827	11875.63	ug/L	3.099					
S	32	63988271		ug/L						
Cl	35	7195113.2		ug/L						
K	39	-0.801462	762019.2	ug/L	0.88					
Ca	44	27.540596	34401.74	ug/L	1.705					
Sc	45	126645.38		ug/L						
Ti	47	-0.007827	130.336	ug/L	0.003					
Ti	48	-0.098956	-2583.26	ug/L	0.006					
V	51	1.222013	30592.7	ug/L	0.048					
ClO	51	31342.924		ug/L						
Cr	52	-0.094657	5463.314	ug/L	0.024					
Cr	53	3.61548	9856.105	ug/L	0.002					
Fe	54	-6.774995	75144.55	ug/L	2.633					
Mn	55	-0.008755	778.374	ug/L	0					
Fe	56	-19.065592	1597911	ug/L	4.908					
Fe	57	-1.279075	6659.772	ug/L	1.138					
Co	59	0.002246	87.668	ug/L	0.001					
Ni	60	0.025534	92.335	ug/L	0.004					
Ni	62	0.005489	42.667	ug/L	0.003					
Cu	63	0.029804	216.671	ug/L	0.008					
Zn	64	0.334014	1497.545	ug/L	0.016					
Cu	65	0.036226	117.669	ug/L	0.009					
Zn	66	0.358117	931.39	ug/L	0.038					
Zn	68	0.350724	717.035	ug/L	0.025					
Ge	72	127493.12		ug/L						
As	75	-0.018548	487.564	ug/L	0.055					
Se	74	3.760644	12091.48	mg/L	1.295					
ArCl	77	441.682		ug/L						

Br	79	1467.8	ug/L			
Br	81	12817.158	ug/L			
Y	89	327310.76	ug/L			
Mo	95	0.17398	658.364	ug/L	0.005	
Rh	103	333505.82	ug/L			
Ag	107	0.008188	598.026	ug/L	0.004	
Ag	109	0.010305	563.356	ug/L	0.004	
Cd	111	0.004468	23.334	ug/L	0	
Cd	114	0.002624	42.001	ug/L	0	
In	115	429614.55	ug/L			
Sb	121	0.48153	4737.281	ug/L	0.013	
Sb	123	0.499579	3731.871	ug/L	0.004	
Ba	137	0.007069	78.668	ug/L	0	
Ba	138	0.007202	431.901	ug/L	0	
Tb	159	538455.83	ug/L			
Ho	165	534812.68	ug/L			
Hg	200	0.004085	28	ug/L	0.008	
Hg	202	0.001507	26.667	ug/L	0.001	
Tl	205	0.012879	510.019	ug/L	0.001	
Pb	208	0.004664	669.016	ug/L	0.001	
Bi	209	399699.13	ug/L			
Se	77	0.166724	448.011	mg/L	0.314	
Se	78	-4.258541	10818.04	mg/L	0.597	
Se	82	0.362859	29.842	mg/L	0.001	

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.72							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.601
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.829
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.892
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102343.06
Sample Date/Time Thursday August 25 2011 20:29:38
Autosampl Position: 33
Sample Description Aqtot 1:01 Sc mets
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102343.06.18394
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7245.554		ug/L						
Be	9	0.332385	104.668	ug/L	0.028					
B	10	3.63457	268.34	ug/L	0.283					
B	11	3.566145	1177.755	ug/L	0.102					
C	12	464270.05		ug/L						
Na	23	4344.5322	23946995	ug/L	216.268					
Mg	24	2868.9948	11042659	ug/L	84.236					
Mg	25	2855.8995	1549765	ug/L	60.288					
Al	27	3048.0929	17830475	ug/L	155.886					
Si	28	15979416		ug/L						
P	31	122.71946	52382.37	ug/L	6.916					
S	32	59463731		ug/L						
Cl	35	3924821.1		ug/L						
K	39	989.87114	8793005	ug/L	35.769					
Ca	44	2395.9796	638510.4	ug/L	40.587					
Sc	45	145021.85		ug/L						
Ti	47	69.223363	45029.04	ug/L	1.685					
Ti	48	69.41622	471663.2	ug/L	2.31					
V	51	6.134546	79259.13	ug/L	0.367					
ClO	51	79908.454		ug/L						
Cr	52	8.034411	65609.52	ug/L	0.195					
Cr	53	7.553002	15075.98	ug/L	0.529					
Fe	54	5462.0484	3099533	ug/L	222.6					
Mn	55	102.55103	1171279	ug/L	3.53					
Fe	56	5352.637	55136736	ug/L	110.428					
Fe	57	5511.0233	1252074	ug/L	136.053					
Co	59	11.53389	98559.73	ug/L	0.367					
Ni	60	15.096095	28933.94	ug/L	0.333					
Ni	62	14.951917	4405.445	ug/L	0.584					
Cu	63	7.060811	31153.27	ug/L	0.352					
Zn	64	17.659403	37533.23	ug/L	0.882					
Cu	65	7.087369	15218.21	ug/L	0.259					
Zn	66	17.704731	21970.4	ug/L	0.803					
Zn	68	18.152176	16023.94	ug/L	0.829					
Ge	72	126725.15		ug/L						
As	75	1.621262	2605.924	ug/L	0.061					
Se	74	4.770152	12246.67	mg/L	14.904					
ArCl	77	365.011		ug/L						

Br	79	4254.375	ug/L			
Br	81	14672.321	ug/L			
Y	89	385392.83	ug/L			
Mo	95	0.414534	1437.795	ug/L	0.012	
Rh	103	317910.24	ug/L			
Ag	107	0.040028	881.385	ug/L	0.001	
Ag	109	0.037144	794.376	ug/L	0.002	
Cd	111	0.285888	692.367	ug/L	0.023	
Cd	114	0.280263	1599.824	ug/L	0.015	
In	115	424974.06	ug/L			
Sb	121	0.592237	5615.123	ug/L	0.015	
Sb	123	0.603543	4356.028	ug/L	0.011	
Ba	137	14.872279	61652.98	ug/L	0.107	
Ba	138	14.907138	399632.9	ug/L	0.283	
Tb	159	546477.84	ug/L			
Ho	165	533628.56	ug/L			
Hg	200	0.025057	71.334	ug/L	0.001	
Hg	202	0.019794	77.001	ug/L	0.002	
Tl	205	0.060849	1685.506	ug/L	0.001	
Pb	208	2.881098	98652.12	ug/L	0.023	
Bi	209	386502	ug/L			
Se	77	-0.625211	372.008	mg/L	0.295	
Se	78	-4.227143	10826.89	mg/L	0.173	
Se	82	0.221882	10.383	mg/L	0.267	

QC Calculated Values

	Analyte	QC	Std	% Recovery	Int	Std	% Recovery
|-	Li						
|	Be						
|	B						
|	B						
|	C						
|	Na						
|	Mg						
|	Mg						
|	Al						
|	Si						
|	P						
|	S						
|	Cl						
|	K						
|	Ca						
|>	Sc	110.754					
|	Ti						
|	Ti						
|	V						
|	ClO						
|	Cr						

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.013
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.783
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.675
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.03
Sample Date/Time Thursday August 25 2011 20:36:19
Autosampl Position: 34
Sample Description Aqtot 1:01 Sc mets
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.03.18395
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6968.005		ug/L						
Be	9	0.017213	13.333	ug/L	0.007					
B	10	46.110003	2885.487	ug/L	0.035					
B	11	46.078207	13079.53	ug/L	0.532					
C	12	481812.94		ug/L						
Na	23	6733.8573	37747530	ug/L	80.708					
Mg	24	3833.0779	15001483	ug/L	54.312					
Mg	25	3840.9507	2118891	ug/L	89.993					
Al	27	3.398154	25498.26	ug/L	0.121					
Si	28	22216383		ug/L						
P	31	72.061678	37658.3	ug/L	4.919					
S	32	64961104		ug/L						
Cl	35	3992599.4		ug/L						
K	39	6843.9062	56533385	ug/L	220.793					
Ca	44	17846.458	4622263	ug/L	201.142					
Sc	45	147385.19		ug/L						
Ti	47	1.39043	1073.074	ug/L	0.075					
Ti	48	15.220888	103367.5	ug/L	0.017					
V	51	0.166746	25931.53	ug/L	0.002					
ClO	51	26291.56		ug/L						
Cr	52	0.182658	8415.5	ug/L	0.026					
Cr	53	-0.031606	7893.171	ug/L	0.046					
Fe	54	22421.325	12656377	ug/L	500.454					
Mn	55	512.26284	5945930	ug/L	5.621					
Fe	56	22908.055	2.33E+08	ug/L	492.314					
Fe	57	24797.839	5700173	ug/L	240.988					
Co	59	2.357641	20551.74	ug/L	0.046					
Ni	60	4.23127	8286.858	ug/L	0.045					
Ni	62	3.739163	1156.752	ug/L	0.117					
Cu	63	0.123101	669.365	ug/L	0.002					
Zn	64	0.645036	2396.458	ug/L	0.049					
Cu	65	0.09321	261.006	ug/L	0.005					
Zn	66	0.492497	1248.765	ug/L	0.006					
Zn	68	0.779889	1207.426	ug/L	0.019					
Ge	72	129110.46		ug/L						
As	75	103.81418	137322.7	ug/L	1.582					
Se	74	-3.800562	10467.1	mg/L	4.086					
ArCl	77	362.011		ug/L						

Br	79	32118.089	ug/L						
Br	81	44479.148	ug/L						
Y	89	329261.19	ug/L						
Mo	95	0.260789	954.393	ug/L	0.015				
Rh	103	321506.54	ug/L						
Ag	107	0.035309	836.714	ug/L	0.007				
Ag	109	0.034662	770.707	ug/L	0.003				
Cd	111	0.005292	25	ug/L	0.002				
Cd	114	0.003971	49.001	ug/L	0				
In	115	424044.48	ug/L						
Sb	121	0.24057	2657.415	ug/L	0.003				
Sb	123	0.236978	2007.097	ug/L	0.005				
Ba	137	6.96393	28832.27	ug/L	0.083				
Ba	138	6.961145	186354.7	ug/L	0.065				
Tb	159	542577.32	ug/L						
Ho	165	532090.66	ug/L						
Hg	200	0.001066	21.667	ug/L	0.001				
Hg	202	0.000945	25	ug/L	0				
Tl	205	0.007956	387.012	ug/L	0.001				
Pb	208	0.018412	1132.705	ug/L	0.002				
Bi	209	383347.44	ug/L						
Se	77	-1.278204	309.339	mg/L	0.511				
Se	78	-4.390614	10780.78	mg/L	1.04				
Se	82	0.824354	93.543	mg/L	0.305				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	112.559							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.839
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.573
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.394
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.06
Sample Date/Time Thursday August 25 2011 20:42:59
Autosampl Position: 35
Sample Description Aqtot 1:01 Sc mets
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.06.18396
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6609.068		ug/L						
Be	9	0.021018	13.667	ug/L	0.025					
B	10	122.892	7153.552	ug/L	1.708					
B	11	125.85723	33264.08	ug/L	2.923					
C	12	508881.19		ug/L						
Na	23	36501.807	1.92E+08	ug/L	209.7					
Mg	24	11036.633	40617332	ug/L	119.294					
Mg	25	11181.921	5800887	ug/L	121.083					
Al	27	6.25288	39951.59	ug/L	0.044					
Si	28	15310003		ug/L						
P	31	169.07804	63547.78	ug/L	3.076					
S	32	67122637		ug/L						
Cl	35	4860706.3		ug/L						
K	39	10246.709	79198125	ug/L	89.716					
Ca	44	23658.614	5752065	ug/L	252.588					
Sc	45	138599.37		ug/L						
Ti	47	1.360332	990.731	ug/L	0.005					
Ti	48	20.244929	129991.6	ug/L	0.349					
V	51	0.350709	25970.98	ug/L	0.002					
ClO	51	26560.347		ug/L						
Cr	52	-0.083589	6055.149	ug/L	0.014					
Cr	53	0.411926	7832.118	ug/L	0.073					
Fe	54	8936.7218	4795431	ug/L	134.038					
Mn	55	819.39705	8943303	ug/L	6.206					
Fe	56	8918.5905	86544180	ug/L	78.457					
Fe	57	8771.3732	1900186	ug/L	449.22					
Co	59	0.462131	3850.52	ug/L	0.008					
Ni	60	3.510021	6473.035	ug/L	0.07					
Ni	62	3.05719	897.387	ug/L	0.043					
Cu	63	0.456973	2033.248	ug/L	0.007					
Zn	64	1.181648	3315.144	ug/L	0.019					
Cu	65	0.13254	326.009	ug/L	0.008					
Zn	66	1.034653	1798.863	ug/L	0.041					
Zn	68	2.922105	2885.487	ug/L	0.004					
Ge	72	129302.46		ug/L						
As	75	41.155051	54836.54	ug/L	0.341					
Se	74	2.171389	11878.54	mg/L	6.754					
ArCl	77	448.349		ug/L						

Br	79	107230.77	ug/L						
Br	81	125418.45	ug/L						
Y	89	328159.36	ug/L						
Mo	95	0.828863	2843.473	ug/L	0.001				
Rh	103	317281.53	ug/L						
Ag	107	0.875414	8501.062	ug/L	0.026				
Ag	109	0.864035	8109.364	ug/L	0.001				
Cd	111	0.007056	29.334	ug/L	0.001				
Cd	114	0.007957	71.668	ug/L	0				
In	115	425974.41	ug/L						
Sb	121	0.178516	2146.942	ug/L	0.005				
Sb	123	0.175509	1621.889	ug/L	0.001				
Ba	137	71.111804	295259.1	ug/L	1.603				
Ba	138	69.582547	1868933	ug/L	1.017				
Tb	159	555387.71	ug/L						
Ho	165	536068.96	ug/L						
Hg	200	0.019906	61.001	ug/L	0.005				
Hg	202	0.010755	52.334	ug/L	0				
Tl	205	0.007374	375.678	ug/L	0				
Pb	208	0.026141	1405.389	ug/L	0.001				
Bi	209	376480.13	ug/L						
Se	77	0.166724	448.011	mg/L	0.472				
Se	78	-3.116418	11140.2	mg/L	0.138				
Se	82	1.508341	187.955	mg/L	0.093				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.849							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.986
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.008
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.122
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Thursday August 25 2011 20:49:40
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.18397
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6570.374		ug/L						
Be	9	0.01707	11.333	ug/L	0.011					
B	10	0.714066	79.668	ug/L	0.056					
B	11	0.65547	327.343	ug/L	0.053					
C	12	360577.26		ug/L						
Na	23	3.174831	31076.26	ug/L	0.428					
Mg	24	0.304923	1516.946	ug/L	0.07					
Mg	25	0.297468	220.025	ug/L	0.138					
Al	27	0.094585	4985.199	ug/L	0.028					
Si	28	52090.701		ug/L						
P	31	0.320872	13260.99	ug/L	0.437					
S	32	68009124		ug/L						
Cl	35	7505721.5		ug/L						
K	39	6.297386	805223.5	ug/L	0.355					
Ca	44	28.284863	34291.33	ug/L	4.916					
Sc	45	125644.98		ug/L						
Ti	47	0.017058	143.336	ug/L	0.039					
Ti	48	-0.086122	-2486.69	ug/L	0.019					
V	51	0.936327	28117.04	ug/L	0.09					
ClO	51	28591.866		ug/L						
Cr	52	-0.105265	5352.649	ug/L	0.009					
Cr	53	2.633302	8956.5	ug/L	0.255					
Fe	54	-2.843563	76432.26	ug/L	4.523					
Mn	55	0.01207	978.396	ug/L	0.006					
Fe	56	-16.853092	1604372	ug/L	0.812					
Fe	57	1.257522	7103.485	ug/L	0.984					
Co	59	-0.002301	53.334	ug/L	0					
Ni	60	0.010702	67.001	ug/L	0					
Ni	62	-0.016844	36.667	ug/L	0.03					
Cu	63	0.014326	156.003	ug/L	0					
Zn	64	0.130294	1120.381	ug/L	0.026					
Cu	65	0.018387	83.668	ug/L	0.003					
Zn	66	0.078614	632.028	ug/L	0.01					
Zn	68	0.121116	541.355	ug/L	0.003					
Ge	72	127955.55		ug/L						
As	75	-0.020274	487.479	ug/L	0.041					
Se	74	7.269397	12948.42	mg/L	12.618					
ArCl	77	432.681		ug/L						

Br	79	3941.231	ug/L				
Br	81	14729.739	ug/L				
Y	89	330507.54	ug/L				
Mo	95	0.044866	236.339	ug/L	0.002		
Rh	103	337493.05	ug/L				
Ag	107	0.003475	548.689	ug/L	0.013		
Ag	109	0.001631	480.684	ug/L	0.012		
Cd	111	0.001448	16	ug/L	0.004		
Cd	114	0.000071	27.334	ug/L	0.002		
In	115	425566.24	ug/L				
Sb	121	0.10521	1529.144	ug/L	0.004		
Sb	123	0.10377	1160.65	ug/L	0.003		
Ba	137	0.006361	75.001	ug/L	0.001		
Ba	138	0.006243	401.891	ug/L	0.001		
Tb	159	558683.34	ug/L				
Ho	165	539374.54	ug/L				
Hg	200	-0.001951	15.667	ug/L	0.002		
Hg	202	-0.00229	16.334	ug/L	0.002		
Tl	205	0.003167	273.674	ug/L	0.001		
Pb	208	-0.000243	505.677	ug/L	0.001		
Bi	209	403997.2	ug/L				
Se	77	-0.250085	408.009	mg/L	0.196		
Se	78	-3.170042	11125.07	mg/L	0.017		
Se	82	0.403914	35.509	mg/L	0.292		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.956							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.955
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.916
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.727
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Thursday August 25 2011 20:56:49
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.18398
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6830.565		ug/L						
Be	9	105.36487	26761.27	ug/L	2.835					
B	10	97.078074	5172.19	ug/L	1.148					
B	11	98.105263	23724.16	ug/L	1.197					
C	12	385569.23		ug/L						
Na	23	98.800726	491484.8	ug/L	1.388					
Mg	24	99.38079	334575.8	ug/L	0.993					
Mg	25	100.73185	47806.81	ug/L	1.917					
Al	27	97.053579	500495.7	ug/L	0.757					
Si	28	184886.11		ug/L						
P	31	-1.079298	12977.23	ug/L	4.059					
S	32	66788765		ug/L						
Cl	35	7121798.2		ug/L						
K	39	1018.1663	7876647	ug/L	26.099					
Ca	44	129.09256	56809.28	ug/L	5.409					
Sc	45	126603.77		ug/L						
Ti	47	100.31448	56915.85	ug/L	2.451					
Ti	48	101.52009	603370	ug/L	2.025					
V	51	97.431395	787802	ug/L	1.119					
ClO	51	797484.6		ug/L						
Cr	52	101.26473	651627.9	ug/L	2.739					
Cr	53	94.317408	86246.38	ug/L	2.476					
Fe	54	104.34914	128582.9	ug/L	5.674					
Mn	55	100.77198	1005210	ug/L	2.296					
Fe	56	123.8654	2835115	ug/L	9.909					
Fe	57	103.45492	27290.31	ug/L	7.683					
Co	59	101.87248	759636.8	ug/L	2.751					
Ni	60	98.400069	164394	ug/L	2.412					
Ni	62	97.780015	24934.73	ug/L	2.322					
Cu	63	99.472338	382048.1	ug/L	3.006					
Zn	64	95.630606	173593.4	ug/L	3.265					
Cu	65	99.879966	186652.5	ug/L	2.501					
Zn	66	97.712597	103402.8	ug/L	3.228					
Zn	68	99.977861	75037.83	ug/L	2.855					
Ge	72	126703.52		ug/L						
As	75	106.24454	137922.1	ug/L	1.354					
Se	74	2.622555	11755.97	mg/L	15.628					
ArCl	77	9276.49		ug/L						

Br	79	2249.634	ug/L			
Br	81	12926.65	ug/L			
Y	89	324025.53	ug/L			
Mo	95	97.383418	317123.7	ug/L	0.674	
Rh	103	325991.27	ug/L			
Ag	107	68.754219	614627.3	ug/L	4.734	
Ag	109	69.400972	601549.5	ug/L	2.495	
Cd	111	105.01276	245344	ug/L	1.194	
Cd	114	103.86934	572591.7	ug/L	0.973	
In	115	417226.65	ug/L			
Sb	121	97.848263	807502.3	ug/L	6.379	
Sb	123	98.455756	619062.4	ug/L	5.413	
Ba	137	103.94849	422781	ug/L	0.935	
Ba	138	103.56628	2724831	ug/L	0.043	
Tb	159	535022.13	ug/L			
Ho	165	517091.06	ug/L			
Hg	200	1.042201	2107.266	ug/L	0.028	
Hg	202	1.01379	2727.77	ug/L	0.013	
Tl	205	104.99816	2495404	ug/L	1.143	
Pb	208	100.76843	3326171	ug/L	1.824	
Bi	209	394351.91	ug/L			
Se	77	92.562852	9315.437	mg/L	0.216	
Se	78	96.919425	39357.65	mg/L	0.315	
Se	82	93.551047	12892.77	mg/L	0.992	

QC	Calculated Values							
	Analyte	QC	Std	% Recovery	Int	Std	%	Recovery
|-	Li							
|	Be	104.322						
|	B	96.788						
|	B	97.812						
|	C							
|	Na	97.533						
|	Mg	98.397						
|	Mg	99.735						
|	Al	96.667						
|	Si							
|	P							
|	S							
|	Cl							
|	K	101.512						
|	Ca	127.941						
|>	Sc	96.688						
|	Ti	100.314						
|	Ti	101.52						
|	V	97.043						
|	ClO							
|	Cr	100.262						

|	Cr	93.384
|	Fe	103.727
|	Mn	100.37
|	Fe	123.127
|	Fe	102.838
|	Co	101.265
|	Ni	97.619
|	Ni	97.004
|	Cu	99.572
|	Zn	94.966
|	Cu	99.98
|	Zn	97.033
|-	Zn	99.283
|>	Ge	96.997
|	As	106.886
|	Se	2.617
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	97.092
|-	Rh	
|	Ag	68.209
|	Ag	68.85
|	Cd	104.49
|	Cd	103.353
|>	In	94.037
|	Sb	97.556
|	Sb	98.161
|	Ba	103.226
|-	Ba	102.846
|-	Tb	
|>	Ho	94.648
|	Hg	104.22
|	Hg	101.379
|	Tl	104.998
|	Pb	100.768
|-	Bi	
	Se	92.378
	Se	96.726
	Se	93.364

Sample ID: QC Std 5
Sample Date/Time Thursday August 25 2011 21:03:58
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.18399
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6950.657		ug/L						
Be	9	46.895684	11757.38	ug/L	0.054					
B	10	166.35965	8711.592	ug/L	1.498					
B	11	167.26104	39787.96	ug/L	1.601					
C	12	386075.77		ug/L						
Na	23	3.845514	34070.47	ug/L	0.064					
Mg	24	0.285784	1443.592	ug/L	0.012					
Mg	25	0.321433	230.026	ug/L	0.106					
Al	27	185.52938	939684.6	ug/L	4.32					
Si	28	94700.113		ug/L						
P	31	0.229842	13147.55	ug/L	6.678					
S	32	68322849		ug/L						
Cl	35	7025182.9		ug/L						
K	39	4.098365	785179.6	ug/L	0.953					
Ca	44	28.894842	34221.05	ug/L	0.805					
Sc	45	124888.03		ug/L						
Ti	47	0.077153	176.003	ug/L	0.005					
Ti	48	-0.045629	-2234.03	ug/L	0.01					
V	51	25.973098	222338.7	ug/L	0.532					
ClO	51	225384.59		ug/L						
Cr	52	51.089946	327350.8	ug/L	0.868					
Cr	53	48.235664	46800.29	ug/L	0.922					
Fe	54	184.14384	164759.4	ug/L	4.798					
Mn	55	109.38441	1076467	ug/L	2.075					
Fe	56	214.48675	3572455	ug/L	2.367					
Fe	57	186.41149	43076.12	ug/L	0.006					
Co	59	25.127339	184919.5	ug/L	0.673					
Ni	60	208.32223	343337.9	ug/L	4.227					
Ni	62	204.57141	51425.57	ug/L	4.627					
Cu	63	79.687959	302013.4	ug/L	1.888					
Zn	64	100.71388	180361.1	ug/L	1.551					
Cu	65	79.186025	146019.5	ug/L	1.315					
Zn	66	103.75469	108310.2	ug/L	1.972					
Zn	68	108.61316	80391.76	ug/L	3.347					
Ge	72	124308.19		ug/L						
As	75	45.874291	58703.63	ug/L	0.67					
Se	74	23.766249	16313.05	mg/L	17.356					
ArCl	77	14824.56		ug/L						

Br	79	1976.901	ug/L			
Br	81	12748.396	ug/L			
Y	89	329102.02	ug/L			
Mo	95	43.64322	139469.1	ug/L	0.595	
Rh	103	327831.28	ug/L			
Ag	107	53.592848	486694.4	ug/L	0.599	
Ag	109	53.802701	473992.8	ug/L	0.736	
Cd	111	24.252572	57581.7	ug/L	0.047	
Cd	114	24.093007	134967.2	ug/L	0.087	
In	115	423903.37	ug/L			
Sb	121	52.480167	440175.3	ug/L	0.369	
Sb	123	52.885719	337982.4	ug/L	0.398	
Ba	137	147.67026	610222.6	ug/L	0.536	
Ba	138	146.44827	3914639	ug/L	0.297	
Tb	159	538385.06	ug/L			
Ho	165	526973.99	ug/L			
Hg	200	1.06929	2201.955	ug/L	0.026	
Hg	202	1.024198	2808.462	ug/L	0.005	
Tl	205	14.592281	353591.5	ug/L	0.24	
Pb	208	103.78484	3491526	ug/L	1.129	
Bi	209	398156.86	ug/L			
Se	77	147.2757	14566.33	mg/L	3.109	
Se	78	161.96976	57706.62	mg/L	4.171	
Se	82	150.84354	20800.94	mg/L	0.055	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	110.084							
|	B	103.975							
|	B	104.538							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	105.414							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.378							
|	Ti								
|	Ti								
|	V	104.31							
|	ClO								
|	Cr	103.841							

	Cr	98.04
	Fe	102.874
	Mn	103.193
	Fe	119.825
	Fe	104.14
	Co	107.843
	Ni	102.119
	Ni	100.28
	Cu	101.903
	Zn	95.918
	Cu	101.261
	Zn	98.814
|-	Zn	103.441
|>	Ge	95.163
	As	116.432
	Se	14.854
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	104.16
|-	Rh	
	Ag	106.546
	Ag	106.964
	Cd	104.537
	Cd	103.849
|>	In	95.542
	Sb	112.861
	Sb	113.733
	Ba	104.731
|-	Ba	103.864
|-	Tb	
|>	Ho	96.457
	Hg	106.929
	Hg	102.42
	Tl	102.763
	Pb	99.793
|-	Bi	
	Se	92.047
	Se	101.231
	Se	94.277

Sample ID: QC Std 6
Sample Date/Time Thursday August 25 2011 21:11:07
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.184
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6679.794		ug/L						
Be	9	0.012265	10.667	ug/L	0.008					
B	10	0.805753	89.335	ug/L	0.084					
B	11	0.794478	380.678	ug/L	0.049					
C	12	378259.63		ug/L						
Na	23	9733.3517	49115233	ug/L	388.492					
Mg	24	9633.1077	33949086	ug/L	268.645					
Mg	25	9535.0174	4734453	ug/L	558.491					
Al	27	9720.0316	52053469	ug/L	536.596					
Si	28	53277.644		ug/L						
P	31	9587.1654	2673037	ug/L	608.71					
S	32	61904450		ug/L						
Cl	35	1626131		ug/L						
K	39	9541.1871	70633850	ug/L	504.768					
Ca	44	9353.6534	2193936	ug/L	720.91					
Sc	45	132771.02		ug/L						
Ti	47	21.684798	13011.1	ug/L	0.67					
Ti	48	7.993507	48007.51	ug/L	0.951					
V	51	-0.258108	19848.18	ug/L	0.037					
ClO	51	20088.042		ug/L						
Cr	52	-0.097516	5705.108	ug/L	0.028					
Cr	53	-0.948011	6301.248	ug/L	0.047					
Fe	54	9515.6296	4884468	ug/L	266.711					
Mn	55	0.076664	1706.178	ug/L	0.017					
Fe	56	9605.0991	89061664	ug/L	603.285					
Fe	57	10139.06	2100436	ug/L	1035.231					
Co	59	0.027558	290.008	ug/L	0.001					
Ni	60	0.206557	414.014	ug/L	0.002					
Ni	62	0.049367	56.334	ug/L	0.026					
Cu	63	0.23506	1052.738	ug/L	0.02					
Zn	64	0.608389	2088.644	ug/L	0.04					
Cu	65	0.139721	326.342	ug/L	0.003					
Zn	66	0.542412	1179.088	ug/L	0.052					
Zn	68	0.474358	849.048	ug/L	0.042					
Ge	72	127992.11		ug/L						
As	75	0.010124	526.881	ug/L	0.037					
Se	74	4.488027	12297.68	mg/L	8.94					
ArCl	77	280.674		ug/L						

Br	79	1232.096	ug/L			
Br	81	11486.701	ug/L			
Y	89	329206.76	ug/L			
Mo	95	0.220112	813.378	ug/L	0.034	
Rh	103	321293.4	ug/L			
Ag	107	0.192246	2284.645	ug/L	0.023	
Ag	109	0.187342	2137.608	ug/L	0.027	
Cd	111	0.015474	49.667	ug/L	0.001	
Cd	114	0.012444	97.335	ug/L	0.001	
In	115	428150.61	ug/L			
Sb	121	0.723196	6770.264	ug/L	0.055	
Sb	123	0.725647	5179.414	ug/L	0.053	
Ba	137	0.058992	295.341	ug/L	0.006	
Ba	138	0.053854	1689.628	ug/L	0.001	
Tb	159	551899.3	ug/L			
Ho	165	531616.86	ug/L			
Hg	200	0.010114	40.334	ug/L	0.002	
Hg	202	0.011382	53.667	ug/L	0.002	
Tl	205	0.008662	404.346	ug/L	0.001	
Pb	208	0.044242	2006.773	ug/L	0.004	
Bi	209	414662.26	ug/L			
Se	77	-1.444926	293.338	mg/L	0.157	
Se	78	-3.609047	11001.24	mg/L	0.22	
Se	82	0.228145	11.247	mg/L	0.052	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	97.334							
|	Mg	96.331							
|	Mg	95.35							
|	Al	97.2							
|	Si								
|	P	95.872							
|	S								
|	Cl								
|	K	95.412							
|	Ca	93.537							
|>	Sc	101.398							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	95.156
	Mn	
	Fe	96.051
	Fe	101.391
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.983
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.499
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.307
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.07
Sample Date/Time Thursday August 25 2011 21:18:17
Autosampl Position: 36
Sample Description Aqtot 1:01 Sc mets
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.07.18401
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7048.065		ug/L						
Be	9	0.012737	11	ug/L	0.006					
B	10	4.942586	324.009	ug/L	0.326					
B	11	5.062326	1482.136	ug/L	0.004					
C	12	441507.95		ug/L						
Na	23	4210.0882	21649319	ug/L	95.34					
Mg	24	2829.7006	10159650	ug/L	3.92					
Mg	25	2725.2341	1378559	ug/L	95.569					
Al	27	18.151104	103914.5	ug/L	0.055					
Si	28	13746572		ug/L						
P	31	2.323501	14830.24	ug/L	1.185					
S	32	62436918		ug/L						
Cl	35	3922237.3		ug/L						
K	39	1339.0493	10805132	ug/L	20.299					
Ca	44	3394.2988	830494.5	ug/L	132.788					
Sc	45	135199.71		ug/L						
Ti	47	1.557776	1085.409	ug/L	0.041					
Ti	48	3.607518	20854.89	ug/L	0.044					
V	51	-0.011329	22276.15	ug/L	0.114					
ClO	51	22697.192		ug/L						
Cr	52	-0.164388	5353.809	ug/L	0.032					
Cr	53	-0.308219	6990.09	ug/L	0.101					
Fe	54	1852.4676	1035907	ug/L	27.794					
Mn	55	236.49676	2517522	ug/L	7.569					
Fe	56	1807.0494	18603487	ug/L	27.597					
Fe	57	1871.3992	401140	ug/L	95.769					
Co	59	0.373375	3048.208	ug/L	0.012					
Ni	60	0.397003	761.373	ug/L	0.002					
Ni	62	0.337076	135.669	ug/L	0.014					
Cu	63	0.219163	1007.066	ug/L	0.017					
Zn	64	2.067818	4940.187	ug/L	0.126					
Cu	65	0.204272	460.683	ug/L	0.011					
Zn	66	1.968079	2804.127	ug/L	0.039					
Zn	68	2.104488	2162.279	ug/L	0.071					
Ge	72	129057.62		ug/L						
As	75	0.482634	1154.105	ug/L	0.028					
Se	74	-0.811401	11159.22	mg/L	4.953					
ArCl	77	372.011		ug/L						

Br	79	4267.379	ug/L						
Br	81	14883.327	ug/L						
Y	89	326855.11	ug/L						
Mo	95	0.143397	565.023	ug/L	0.01				
Rh	103	322173.61	ug/L						
Ag	107	0.709637	7041.131	ug/L	0.023				
Ag	109	0.705273	6756.579	ug/L	0.022				
Cd	111	0.006149	27.334	ug/L	0.003				
Cd	114	0.006097	61.667	ug/L	0.001				
In	115	429198.11	ug/L						
Sb	121	0.294442	3146.243	ug/L	0.015				
Sb	123	0.295664	2410.284	ug/L	0.017				
Ba	137	6.247537	26185.59	ug/L	0.071				
Ba	138	6.24277	169177.8	ug/L	0.065				
Tb	159	541168.59	ug/L						
Ho	165	531173.95	ug/L						
Hg	200	0.002371	24.334	ug/L	0.001				
Hg	202	0.002904	30.334	ug/L	0.001				
Tl	205	0.00626	345.01	ug/L	0				
Pb	208	0.037999	1794.419	ug/L	0.002				
Bi	209	386985.13	ug/L						
Se	77	-0.611318	373.341	mg/L	0.079				
Se	78	-4.222842	10828.11	mg/L	0.289				
Se	82	0.23373	12.018	mg/L	0.044				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.253							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.799
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.735
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.226
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.08
Sample Date/Time Thursday August 25 2011 21:24:58
Autosampl Position: 37
Sample Description Aqtot 1:01 Sc mets
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.08.18402
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7078.755		ug/L						
Be	9	0.034271	17	ug/L	0.013					
B	10	10.810691	661.364	ug/L	0.335					
B	11	10.75595	2969.181	ug/L	0.215					
C	12	452850.77		ug/L						
Na	23	8871.0943	46033162	ug/L	218.389					
Mg	24	2722.8571	9868142	ug/L	11.389					
Mg	25	2686.2405	1372275	ug/L	6.249					
Al	27	237.25783	1311892	ug/L	0.061					
Si	28	13317551		ug/L						
P	31	1.218285	14653.27	ug/L	2.703					
S	32	64114912		ug/L						
Cl	35	3828897.9		ug/L						
K	39	2039.3363	16179070	ug/L	35.77					
Ca	44	3669.9774	904505.8	ug/L	60.725					
Sc	45	136466.07		ug/L						
Ti	47	10.517553	6563.768	ug/L	0.114					
Ti	48	13.192171	82660.6	ug/L	0.139					
V	51	0.219428	24453.42	ug/L	0.066					
ClO	51	24815.405		ug/L						
Cr	52	0.307288	8647.929	ug/L	0.035					
Cr	53	-0.117394	7229.612	ug/L	0.099					
Fe	54	405.72106	295014.2	ug/L	5.669					
Mn	55	108.28904	1164508	ug/L	1.36					
Fe	56	406.53592	5698055	ug/L	2.063					
Fe	57	424.40288	97641.27	ug/L	8.121					
Co	59	0.305814	2534.379	ug/L	0.012					
Ni	60	0.404346	781.375	ug/L	0.022					
Ni	62	0.542149	193.004	ug/L	0.143					
Cu	63	0.904094	3852.855	ug/L	0.021					
Zn	64	1.690409	4254.792	ug/L	0.031					
Cu	65	0.819376	1704.177	ug/L	0.018					
Zn	66	1.312358	2086.26	ug/L	0.064					
Zn	68	1.514317	1708.511	ug/L	0.027					
Ge	72	127192.95		ug/L						
As	75	0.122469	669.77	ug/L	0.013					
Se	74	1.857497	11618.01	mg/L	7.471					
ArCl	77	389.012		ug/L						

Br	79	4204.017	ug/L						
Br	81	14814.884	ug/L						
Y	89	328570.94	ug/L						
Mo	95	1.250849	4176.001	ug/L	0.031				
Rh	103	320886.41	ug/L						
Ag	107	0.095241	1399.122	ug/L	0.013				
Ag	109	0.094585	1315.775	ug/L	0.014				
Cd	111	0.010413	37.667	ug/L	0				
Cd	114	0.009314	80.001	ug/L	0.002				
In	115	429924.68	ug/L						
Sb	121	0.217243	2496.034	ug/L	0.005				
Sb	123	0.21632	1901.201	ug/L	0.002				
Ba	137	5.754354	24161.98	ug/L	0.133				
Ba	138	5.810421	157739.3	ug/L	0.098				
Tb	159	541427.26	ug/L						
Ho	165	530625.64	ug/L						
Hg	200	0.04017	102.002	ug/L	0.001				
Hg	202	0.028471	100.335	ug/L	0				
Tl	205	0.009336	419.681	ug/L	0				
Pb	208	0.292722	10420.78	ug/L	0.003				
Bi	209	383393.55	ug/L						
Se	77	-0.527956	381.341	mg/L	0.196				
Se	78	-4.093476	10864.6	mg/L	0.757				
Se	82	0.299766	21.133	mg/L	0.475				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	104.22							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.372
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.899
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.126
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.15
Sample Date/Time Thursday August 25 2011 21:31:39
Autosampl Position: 38
Sample Description Aqtot 1:01 Sc mets
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.15.18403
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6521.005		ug/L						
Be	9	0.03449	18	ug/L	0.016					
B	10	145.65303	8771.651	ug/L	2.493					
B	11	146.60528	40101.32	ug/L	1.475					
C	12	541957.33		ug/L						
Na	23	15087.259	82339818	ug/L	228.559					
Mg	24	9632.7488	36707823	ug/L	377.02					
Mg	25	9658.5994	5189107	ug/L	147.084					
Al	27	147.40912	859141.8	ug/L	3.182					
Si	28	18360779		ug/L						
P	31	281.79193	99616.14	ug/L	10.116					
S	32	67804772		ug/L						
Cl	35	3999566.4		ug/L						
K	39	14665.108	1.17E+08	ug/L	456.594					
Ca	44	31483.254	7915882	ug/L	839.911					
Sc	45	143536.36		ug/L						
Ti	47	12.794186	8359.612	ug/L	1.51					
Ti	48	34.839472	233347.9	ug/L	0.306					
V	51	0.236184	25869.35	ug/L	0.084					
ClO	51	26164.861		ug/L						
Cr	52	0.716144	12052.52	ug/L	0.03					
Cr	53	-0.464916	7271.313	ug/L	0.259					
Fe	54	12116.581	6701576	ug/L	287.807					
Mn	55	657.7135	7434361	ug/L	8.845					
Fe	56	11859.551	1.19E+08	ug/L	122.038					
Fe	57	13327.902	2987437	ug/L	23.94					
Co	59	2.162956	18368.39	ug/L	0.045					
Ni	60	6.428394	12231.68	ug/L	0.075					
Ni	62	5.763952	1711.178	ug/L	0.112					
Cu	63	1.671325	7393.746	ug/L	0.024					
Zn	64	2.334424	5793.923	ug/L	0.071					
Cu	65	1.583913	3412.341	ug/L	0.025					
Zn	66	1.910736	2909.495	ug/L	0.028					
Zn	68	2.702239	2801.793	ug/L	0.088					
Ge	72	126157.5		ug/L						
As	75	40.553224	52723.5	ug/L	0.536					
Se	74	4.674093	12144.47	mg/L	13.92					
ArCl	77	399.679		ug/L						

Br	79	87494.19	ug/L						
Br	81	103604.9	ug/L						
Y	89	335751.77	ug/L						
Mo	95	0.440652	1515.141	ug/L	0.025				
Rh	103	317362.74	ug/L						
Ag	107	0.004139	550.356	ug/L	0.004				
Ag	109	0.008636	538.021	ug/L	0				
Cd	111	0.018244	55.334	ug/L	0.004				
Cd	114	0.037203	233.672	ug/L	0.001				
In	115	421339.38	ug/L						
Sb	121	0.160431	1973.234	ug/L	0.004				
Sb	123	0.165923	1543.584	ug/L	0.002				
Ba	137	32.145002	132050.9	ug/L	0.797				
Ba	138	31.701659	842465.1	ug/L	0.063				
Tb	159	538139.92	ug/L						
Ho	165	519039.77	ug/L						
Hg	200	0.003975	27	ug/L	0.001				
Hg	202	0.004924	35	ug/L	0.004				
Tl	205	0.003294	266.34	ug/L	0				
Pb	208	0.33848	11708.03	ug/L	0.01				
Bi	209	374191.11	ug/L						
Se	77	-0.958655	340.006	mg/L	0.02				
Se	78	-3.904173	10917.99	mg/L	0.764				
Se	82	1.572489	196.809	mg/L	0.018				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	109.62							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.579
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.964
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.005
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.1
Sample Date/Time Thursday August 25 2011 21:38:18
Autosampl Position: 39
Sample Description Aqtot Rerun Be
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.10.18404
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7176.165		ug/L						
Be	9	0.0652	28.334	ug/L	0.006					
B	10	16.719936	1109.412	ug/L	0.549					
B	11	17.051476	5113.155	ug/L	0.067					
C	12	533295.1		ug/L						
Na	23	11600.375	66943942	ug/L	244.146					
Mg	24	3006.1178	12113796	ug/L	35.8					
Mg	25	2905.4642	1650305	ug/L	2.798					
Al	27	1024.804	6282250	ug/L	0.032					
Si	28	23314466		ug/L						
P	31	57.161209	34053.77	ug/L	2.341					
S	32	67151419		ug/L						
Cl	35	7761608.8		ug/L						
K	39	1905.0015	16866315	ug/L	0.23					
Ca	44	17249.72	4600547	ug/L	139.73					
Sc	45	151729.16		ug/L						
Ti	47	55.41126	37760.64	ug/L	0.39					
Ti	48	69.139094	491835.8	ug/L	0.024					
V	51	2.783542	51378.62	ug/L	0.063					
ClO	51	52305.905		ug/L						
Cr	52	2.613906	27243.2	ug/L	0.059					
Cr	53	2.67079	10853.92	ug/L	0.06					
Fe	54	2644.9225	1619762	ug/L	72.687					
Mn	55	269.89733	3225522	ug/L	2.989					
Fe	56	2562.6828	28729344	ug/L	24.68					
Fe	57	2681.5829	641878	ug/L	70.669					
Co	59	0.960181	8666.883	ug/L	0.017					
Ni	60	2.657921	5381.313	ug/L	0.002					
Ni	62	2.705678	875.384	ug/L	0.076					
Cu	63	2.081295	9702.939	ug/L	0.027					
Zn	64	6.382978	14889.95	ug/L	0.127					
Cu	65	2.049388	4649.569	ug/L	0.03					
Zn	66	5.709206	7868.816	ug/L	0.021					
Zn	68	5.923815	5842.602	ug/L	0.15					
Ge	72	131045.86		ug/L						
As	75	7.004236	9895.2	ug/L	0.047					
Se	74	3.917892	12468.87	mg/L	0.986					
ArCl	77	553.356		ug/L						

Br	79	41097.286	ug/L						
Br	81	54896.62	ug/L						
Y	89	344445.36	ug/L						
Mo	95	0.736754	2571.389	ug/L	0.012				
Rh	103	323724.38	ug/L						
Ag	107	0.081394	1281.77	ug/L	0.006				
Ag	109	0.087513	1262.434	ug/L	0.002				
Cd	111	0.033667	94.335	ug/L	0.003				
Cd	114	0.034302	223.672	ug/L	0.003				
In	115	433141.24	ug/L						
Sb	121	0.151698	1953.896	ug/L	0.003				
Sb	123	0.15186	1495.036	ug/L	0.002				
Ba	137	9.594837	40560.36	ug/L	0.116				
Ba	138	9.619154	262953.5	ug/L	0.063				
Tb	159	556857.52	ug/L						
Ho	165	541648.13	ug/L						
Hg	200	0.00787	36.334	ug/L	0.002				
Hg	202	0.007224	43.001	ug/L	0.001				
Tl	205	0.022227	749.372	ug/L	0.001				
Pb	208	0.655751	23188.81	ug/L	0.009				
Bi	209	407491.1	ug/L						
Se	77	1.750614	600.02	mg/L	0.55				
Se	78	-3.215928	11112.13	mg/L	0.456				
Se	82	1.150911	138.618	mg/L	0.126				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	115.877							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.321
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.624
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.143
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.11
Sample Date/Time Thursday August 25 2011 21:44:58
Autosampl Position: 40
Sample Description Aqtot Rerun Be
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.11.18405
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7138.803		ug/L						
Be	9	-0.001139	7.333	ug/L	0.004					
B	10	9.319554	577.024	ug/L	0.285					
B	11	9.802694	2724.769	ug/L	0.044					
C	12	547088.87		ug/L						
Na	23	16508.505	85730820	ug/L	511.379					
Mg	24	4322.0464	15675256	ug/L	147.863					
Mg	25	4372.3318	2235123	ug/L	4.889					
Al	27	11.251682	66906.1	ug/L	1.051					
Si	28	14441449		ug/L						
P	31	13.193241	18089.8	ug/L	1.528					
S	32	67626323		ug/L						
Cl	35	7769729.3		ug/L						
K	39	2743.3131	21496424	ug/L	27.507					
Ca	44	19548.907	4688875	ug/L	328.945					
Sc	45	136559.37		ug/L						
Ti	47	1.130509	835.713	ug/L	0.027					
Ti	48	20.088129	127045.2	ug/L	2.542					
V	51	1.023856	31306.14	ug/L	0.077					
ClO	51	31491.783		ug/L						
Cr	52	-0.165473	5403.532	ug/L	0.004					
Cr	53	1.404822	8618.837	ug/L	0.096					
Fe	54	90.944902	131767.1	ug/L	3.155					
Mn	55	31.903461	343985.8	ug/L	0.653					
Fe	56	114.83581	2974836	ug/L	0.549					
Fe	57	152.206	39821.09	ug/L	9.535					
Co	59	0.048801	469.017	ug/L	0.003					
Ni	60	0.558264	1059.406	ug/L	0.034					
Ni	62	0.128005	79.668	ug/L	0.01					
Cu	63	0.376015	1668.17	ug/L	0.003					
Zn	64	2.081346	5019.713	ug/L	0.053					
Cu	65	0.283011	624.361	ug/L	0.005					
Zn	66	1.715901	2546.382	ug/L	0.062					
Zn	68	1.99044	2092.929	ug/L	0.076					
Ge	72	124982.66		ug/L						
As	75	7.204809	9694.104	ug/L	0.055					
Se	74	19.547877	15464.03	mg/L	0.078					
ArCl	77	590.692		ug/L						

Br	79	31666.142	ug/L						
Br	81	43855.685	ug/L						
Y	89	323314.41	ug/L						
Mo	95	2.798977	9074.284	ug/L	0.045				
Rh	103	314594.78	ug/L						
Ag	107	0.046849	937.391	ug/L	0.012				
Ag	109	0.048407	888.052	ug/L	0.009				
Cd	111	0.029825	83.001	ug/L	0.007				
Cd	114	0.027721	181.337	ug/L	0.003				
In	115	422478.17	ug/L						
Sb	121	0.138813	1798.196	ug/L	0.003				
Sb	123	0.144981	1414.276	ug/L	0.009				
Ba	137	6.991029	28836.62	ug/L	0.103				
Ba	138	7.072729	188641.9	ug/L	0.013				
Tb	159	534397.57	ug/L						
Ho	165	528014.82	ug/L						
Hg	200	0.102997	230.005	ug/L	0.003				
Hg	202	0.07259	220.005	ug/L	0.012				
Tl	205	0.001921	237.672	ug/L	0				
Pb	208	0.146264	5432.699	ug/L	0.005				
Bi	209	379043.36	ug/L						
Se	77	1.681143	593.353	mg/L	0.02				
Se	78	-3.982759	10895.83	mg/L	0.153				
Se	82	0.996274	117.274	mg/L	0.322				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	104.291							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.679
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.22
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.648
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.12
Sample Date/Time Thursday August 25 2011 21:51:38
Autosampl Position: 41
Sample Description Aqtot Rerun Be
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.12.18406
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6541.021		ug/L						
Be	9	0.01453	13	ug/L	0.002					
B	10	216.91589	13870.71	ug/L	1.311					
B	11	225.973	65633.42	ug/L	3.735					
C	12	814407.81		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	22494.38	91199366	ug/L	507.849					
Mg	25	22462.893	12837191	ug/L	0.675					
Al	27	7.93131	54354.1	ug/L	0.08					
Si	28	28625442		ug/L						
P	31	34.563816	27046.22	ug/L	1.951					
S	32	71555074		ug/L						
Cl	35	13907611		ug/L						
K	39	6113.709	52419475	ug/L	12.731					
Ca	44	59780.031	15959369	ug/L	1003.099					
Sc	45	152668.59		ug/L						
Ti	47	1.833235	1414.124	ug/L	0.028					
Ti	48	48.843341	348891.2	ug/L	0.957					
V	51	1.313236	37746.65	ug/L	0.159					
ClO	51	38331.104		ug/L						
Cr	52	-0.050182	6927.727	ug/L	0.006					
Cr	53	3.488911	11753.72	ug/L	0.57					
Fe	54	4986.6736	2989674	ug/L	52.951					
Mn	55	491.60121	5911147	ug/L	4.971					
Fe	56	4843.384	52744952	ug/L	16.987					
Fe	57	5134.7054	1229198	ug/L	189.511					
Co	59	0.124621	1206.425	ug/L	0.003					
Ni	60	10.043664	20294.83	ug/L	0.13					
Ni	62	9.009277	2816.464	ug/L	0.024					
Cu	63	1.280452	6054.409	ug/L	0.011					
Zn	64	3.590346	8899.842	ug/L	0.016					
Cu	65	0.197955	506.352	ug/L	0.002					
Zn	66	3.293579	4850.342	ug/L	0.007					
Zn	68	4.778537	4849.008	ug/L	0.022					
Ge	72	125958.79		ug/L						
As	75	14.894408	19652.71	ug/L	0.276					
Se	74	-0.837275	10819.95	mg/L	28.497					
ArCl	77	1161.753		ug/L						

Br	79	543188.75	ug/L						
Br	81	585856.24	ug/L						
Y	89	328206.21	ug/L						
Mo	95	2.096278	6870.33	ug/L	0.044				
Rh	103	307623.94	ug/L						
Ag	107	0.828025	8013.612	ug/L	0.007				
Ag	109	0.826845	7727.36	ug/L	0.009				
Cd	111	0.010277	36.667	ug/L	0.003				
Cd	114	0.020551	141.669	ug/L	0.001				
In	115	423118.77	ug/L						
Sb	121	0.157813	1959.564	ug/L	0.003				
Sb	123	0.160885	1517.415	ug/L	0.007				
Ba	137	57.85025	238607.3	ug/L	0.739				
Ba	138	56.939708	1519029	ug/L	0.983				
Tb	159	540117.08	ug/L						
Ho	165	533544.16	ug/L						
Hg	200	0.013603	47.667	ug/L	0.002				
Hg	202	0.008052	44.667	ug/L	0.003				
Tl	205	0.001846	238.339	ug/L	0				
Pb	208	0.105569	4103.403	ug/L	0.006				
Bi	209	361710.17	ug/L						
Se	77	6.974857	1101.4	mg/L	0.079				
Se	78	-4.022223	10884.7	mg/L	0.069				
Se	82	7.192669	972.572	mg/L	0.084				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	116.594							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	
|	Mn	
|	Fe	
|	Fe	
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	96.427
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	95.365
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	97.66
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.13
Sample Date/Time Thursday August 25 2011 21:58:17
Autosampl Position: 42
Sample Description Aqtot Rerun Be
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.13.18407
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6250.148		ug/L						
Be	9	-0.000289	8	ug/L	0.003					
B	10	27.713017	1718.513	ug/L	0.076					
B	11	28.048889	7878.158	ug/L	0.076					
C	12	620140.36		ug/L						
Na	23	15244.608	83705873	ug/L	120.514					
Mg	24	3528.2054	13529166	ug/L	53.25					
Mg	25	3385.0306	1829821	ug/L	0.51					
Al	27	15.462867	95296.76	ug/L	0.774					
Si	28	19182846		ug/L						
P	31	0.123607	15177.53	ug/L	3.116					
S	32	73241702		ug/L						
Cl	35	8707183.2		ug/L						
K	39	1970.1734	16572300	ug/L	47.264					
Ca	44	12404.121	3157610	ug/L	95.266					
Sc	45	144401.84		ug/L						
Ti	47	1.380355	1045.071	ug/L	0.016					
Ti	48	11.326966	74774.2	ug/L	0.474					
V	51	0.961318	32540.13	ug/L	0.018					
ClO	51	33140.628		ug/L						
Cr	52	0.214316	8475.318	ug/L	0.044					
Cr	53	2.669797	10328.63	ug/L	0.168					
Fe	54	6300.8679	3549228	ug/L	93.151					
Mn	55	2572.1606	29246863	ug/L	53.452					
Fe	56	6251.6008	63803026	ug/L	202.05					
Fe	57	6424.4407	1452713	ug/L	87.903					
Co	59	5.294795	45121.83	ug/L	0.102					
Ni	60	3.099248	5961.681	ug/L	0.114					
Ni	62	2.723411	838.047	ug/L	0.065					
Cu	63	0.613952	2805.795	ug/L	0.04					
Zn	64	1.892099	4918.306	ug/L	0					
Cu	65	0.499738	1122.414	ug/L	0.026					
Zn	66	1.575057	2523.709	ug/L	0.012					
Zn	68	1.748187	2006.908	ug/L	0.064					
Ge	72	126430.43		ug/L						
As	75	0.466368	1109.686	ug/L	0.035					
Se	74	10.94183	13656.08	mg/L	4.944					
ArCl	77	617.694		ug/L						

Br	79	63606.824	ug/L						
Br	81	78288.592	ug/L						
Y	89	351581.63	ug/L						
Mo	95	0.068826	311.342	ug/L	0				
Rh	103	319559.51	ug/L						
Ag	107	0.682428	6839.307	ug/L	0.024				
Ag	109	0.676145	6542.419	ug/L	0.03				
Cd	111	0.059315	156.336	ug/L	0.002				
Cd	114	0.062358	383.345	ug/L	0.004				
In	115	432419.36	ug/L						
Sb	121	0.061503	1179.755	ug/L	0.004				
Sb	123	0.064499	923.451	ug/L	0.006				
Ba	137	4.835911	20434.49	ug/L	0.036				
Ba	138	4.794395	130954.7	ug/L	0.024				
Tb	159	553628.08	ug/L						
Ho	165	537453.72	ug/L						
Hg	200	0.002397	24.667	ug/L	0				
Hg	202	0.000736	24.667	ug/L	0				
Tl	205	0.014813	560.356	ug/L	0				
Pb	208	0.044094	2025.11	ug/L	0.001				
Bi	209	381754.94	ug/L						
Se	77	2.2369	646.69	mg/L	0.334				
Se	78	-4.547783	10736.45	mg/L	0.295				
Se	82	1.618446	203.153	mg/L	0.369				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	110.281							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	96.788
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	97.461
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	98.376
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.14
Sample Date/Time Thursday August 25 2011 22:04:57
Autosampl Position: 43
Sample Description Aqtot Rerun Be
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.14.18408
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6284.839		ug/L						
Be	9	0.005379	8.333	ug/L	0.017					
B	10	8.004929	458.016	ug/L	0.175					
B	11	7.723946	1994.906	ug/L	0.377					
C	12	541651.6		ug/L						
Na	23	294.29224	1409589	ug/L	5.884					
Mg	24	10.037551	33702.39	ug/L	0.051					
Mg	25	9.460429	4491.559	ug/L	0.261					
Al	27	5.668553	32976.34	ug/L	0.081					
Si	28	419369.45		ug/L						
P	31	2.605472	13745.1	ug/L	1.416					
S	32	71273010		ug/L						
Cl	35	7579820.8		ug/L						
K	39	123.74513	1605684	ug/L	0.372					
Ca	44	78.840118	44992.23	ug/L	3.982					
Sc	45	124585.22		ug/L						
Ti	47	0.149074	215.671	ug/L	0.024					
Ti	48	0.095869	-1397.59	ug/L	0.012					
V	51	1.354948	31122.17	ug/L	0.096					
ClO	51	31921.268		ug/L						
Cr	52	-0.052731	5637.336	ug/L	0.002					
Cr	53	3.683886	9752.326	ug/L	0.071					
Fe	54	-1.01196	76651.42	ug/L	0.715					
Mn	55	0.230051	3108.229	ug/L	0.011					
Fe	56	-11.139145	1639556	ug/L	1.41					
Fe	57	4.73826	7720.723	ug/L	2.482					
Co	59	-0.001153	61.334	ug/L	0.001					
Ni	60	0.070889	165.336	ug/L	0.011					
Ni	62	0.058771	55.334	ug/L	0.014					
Cu	63	0.087232	430.348	ug/L	0.007					
Zn	64	0.749573	2212.121	ug/L	0.014					
Cu	65	0.080932	198.004	ug/L	0.001					
Zn	66	0.725214	1296.772	ug/L	0.026					
Zn	68	0.710275	969.395	ug/L	0.025					
Ge	72	125154.62		ug/L						
As	75	-0.090967	386.983	ug/L	0.036					
Se	74	15.682917	14582.34	mg/L	5.501					
ArCl	77	465.683		ug/L						

Br	79	6846.651	ug/L						
Br	81	17683.718	ug/L						
Y	89	318843.18	ug/L						
Mo	95	0.019266	148.669	ug/L	0.003				
Rh	103	322321.94	ug/L						
Ag	107	0.213407	2465.692	ug/L	0.001				
Ag	109	0.218764	2404.009	ug/L	0.009				
Cd	111	0.001472	16	ug/L	0.001				
Cd	114	0.046355	288.007	ug/L	0.002				
In	115	426282.87	ug/L						
Sb	121	0.037484	961.06	ug/L	0.001				
Sb	123	0.034574	718.727	ug/L	0.001				
Ba	137	0.160772	716.702	ug/L	0.003				
Ba	138	0.17318	4889.893	ug/L	0.001				
Tb	159	536319.15	ug/L						
Ho	165	528313.92	ug/L						
Hg	200	0.000644	20.667	ug/L	0.004				
Hg	202	0.001375	26	ug/L	0.002				
Tl	205	0.000611	206.004	ug/L	0.001				
Pb	208	0.005352	684.017	ug/L	0				
Bi	209	391633.3	ug/L						
Se	77	0.56964	486.68	mg/L	0.138				
Se	78	-4.504909	10748.54	mg/L	1.301				
Se	82	0.239542	12.821	mg/L	0.19				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.147							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.811
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.078
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.703
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.15
Sample Date/Time Thursday August 25 2011 22:11:37
Autosampl Position: 44
Sample Description Aqtot Rerun Be
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.15.18409
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6282.17		ug/L						
Be	9	0.030485	18.667	ug/L	0.014					
B	10	260.05961	17328.01	ug/L	8.018					
B	11	259.76756	78637.8	ug/L	5.263					
C	12	692905.1		ug/L						
Na	23	26780.711	1.62E+08	ug/L	1652.421					
Mg	24	17216.995	72776616	ug/L	506.753					
Mg	25	17147.951	10217219	ug/L	719.04					
Al	27	259.14866	1670848	ug/L	9.404					
Si	28	35949277		ug/L						
P	31	502.44939	183947.5	ug/L	12.131					
S	32	72188279		ug/L						
Cl	35	7979800.5		ug/L						
K	39	26169.72	2.31E+08	ug/L	809.205					
Ca	44	55838.76	15544497	ug/L	1822.273					
Sc	45	159192.42		ug/L						
Ti	47	21.449501	15440.26	ug/L	0.127					
Ti	48	67.02996	500335.1	ug/L	5.332					
V	51	1.49493	41152.69	ug/L	0.086					
ClO	51	41422.57		ug/L						
Cr	52	1.411868	18945.53	ug/L	0.08					
Cr	53	2.436341	11139.93	ug/L	0.026					
Fe	54	21925.079	13370491	ug/L	529.251					
Mn	55	1179.4982	14785717	ug/L	29.498					
Fe	56	21456.766	2.36E+08	ug/L	313.063					
Fe	57	23931.65	5942048	ug/L	418.709					
Co	59	3.830778	36014.89	ug/L	0.051					
Ni	60	11.289955	23779.3	ug/L	0.069					
Ni	62	10.463895	3402.671	ug/L	0.071					
Cu	63	2.934116	14299.05	ug/L	0.077					
Zn	64	4.237887	10751.12	ug/L	0.005					
Cu	65	2.802478	6648.497	ug/L	0.004					
Zn	66	3.36744	5155.179	ug/L	0.05					
Zn	68	4.773855	5051.787	ug/L	0.023					
Ge	72	127167.26		ug/L						
As	75	80.417306	104900.7	ug/L	1.13					
Se	74	-12.427754	8294.006	mg/L	10.334					
ArCl	77	657.03		ug/L						

Br	79	174411.39	ug/L						
Br	81	196882.93	ug/L						
Y	89	335649.35	ug/L						
Mo	95	0.836052	2820.133	ug/L	0.053				
Rh	103	309884.05	ug/L						
Ag	107	0.018734	676.699	ug/L	0.005				
Ag	109	0.021518	646.029	ug/L	0.002				
Cd	111	0.030588	84.001	ug/L	0.008				
Cd	114	0.076635	450.016	ug/L	0				
In	115	418359.57	ug/L						
Sb	121	0.120923	1632.83	ug/L	0.001				
Sb	123	0.128011	1293.379	ug/L	0.016				
Ba	137	66.547874	271427.5	ug/L	0.086				
Ba	138	64.580259	1703795	ug/L	0.137				
Tb	159	535009.14	ug/L						
Ho	165	522303.98	ug/L						
Hg	200	0.008502	36.334	ug/L	0.002				
Hg	202	0.004204	33.334	ug/L	0.001				
Tl	205	0.004625	300.008	ug/L	0				
Pb	208	0.67564	23023.98	ug/L	0.007				
Bi	209	367534.63	ug/L						
Se	77	2.639827	685.359	mg/L	0.786				
Se	78	-5.064503	10590.7	mg/L	0.219				
Se	82	2.494596	324.089	mg/L	0.264				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	121.576							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.352
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.292
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.603
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.16
Sample Date/Time Thursday August 25 2011 22:18:17
Autosampl Position: 45
Sample Descriptior Aqtot Rerun Be + As
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.16.18410
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7157.489		ug/L						
Be	9	0.030984	17.667	ug/L	0.026					
B	10	240.68702	15029.57	ug/L	1.15					
B	11	249.64222	70808.74	ug/L	1.059					
C	12	725065.53		ug/L						
Na	23	112311.47	6.37E+08	ug/L	488.617					
Mg	24	25148.803	99582081	ug/L	686.246					
Mg	25	24542.078	13700905	ug/L	49.124					
Al	27	28.399024	176300.6	ug/L	0.401					
Si	28	24802032		ug/L						
P	31	319.62974	115308.2	ug/L	8.003					
S	32	71278766		ug/L						
Cl	35	13579839		ug/L						
K	39	20247.67	1.67E+08	ug/L	305.695					
Ca	44	29728.484	7768401	ug/L	683.4					
Sc	45	149134.72		ug/L						
Ti	47	2.705433	1962.898	ug/L	0.07					
Ti	48	24.908952	172687.3	ug/L	0.606					
V	51	1.837311	41715.37	ug/L	0.282					
ClO	51	42363.303		ug/L						
Cr	52	0.066612	7643.07	ug/L	0.038					
Cr	53	5.308777	13283.5	ug/L	0.613					
Fe	54	12943.198	7431333	ug/L	464.487					
Mn	55	810.84084	9522332	ug/L	14.254					
Fe	56	12880.068	1.34E+08	ug/L	173.1					
Fe	57	14003.607	3260299	ug/L	441.817					
Co	59	1.080726	9578.139	ug/L	0.014					
Ni	60	10.532061	20784.27	ug/L	0.14					
Ni	62	9.797009	2987.521	ug/L	0.028					
Cu	63	1.572037	7233.282	ug/L	0.011					
Zn	64	3.082193	7611.958	ug/L	0.029					
Cu	65	0.536129	1238.764	ug/L	0.029					
Zn	66	2.773554	4092.629	ug/L	0.055					
Zn	68	5.71393	5558.421	ug/L	0.135					
Ge	72	126649.45		ug/L						
As	75	9.760958	13126.53	ug/L	0.309					
Se	74	-1.299714	10833.02	mg/L	11.523					
ArCl	77	1151.751		ug/L						

Br	79	969386.95	ug/L						
Br	81	1045674.5	ug/L						
Y	89	328538.02	ug/L						
Mo	95	7.918629	25855.31	ug/L	0.107				
Rh	103	314954.91	ug/L						
Ag	107	0.030719	786.375	ug/L	0.003				
Ag	109	0.030322	724.369	ug/L	0.006				
Cd	111	0.063853	162.336	ug/L	0				
Cd	114	0.059778	358.011	ug/L	0.002				
In	115	419640.41	ug/L						
Sb	121	0.143961	1828.869	ug/L	0				
Sb	123	0.147054	1418.805	ug/L	0.012				
Ba	137	124.87759	510819.3	ug/L	0.987				
Ba	138	124.40386	3292106	ug/L	0.586				
Tb	159	547148.7	ug/L						
Ho	165	532882.42	ug/L						
Hg	200	0.01703	54.667	ug/L	0				
Hg	202	0.010742	52.001	ug/L	0.001				
Tl	205	0.004946	314.009	ug/L	0				
Pb	208	0.553218	19326.49	ug/L	0				
Bi	209	364259.94	ug/L						
Se	77	6.94707	1098.733	mg/L	1.061				
Se	78	-2.735639	11247.61	mg/L	0.236				
Se	82	14.035138	1917.05	mg/L	0.249				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	113.895							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.955
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.581
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.539
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Thursday August 25 2011 22:24:58
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.18411
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5374.922		ug/L						
Be	9	0.003409	8	ug/L	0					
B	10	1.489626	122.002	ug/L	0.236					
B	11	1.656215	573.691	ug/L	0.264					
C	12	340305.85		ug/L						
Na	23	14.871494	88128.23	ug/L	1.033					
Mg	24	1.383724	5188.685	ug/L	0.228					
Mg	25	1.318159	710.099	ug/L	0.287					
Al	27	0.081423	4981.863	ug/L	0.044					
Si	28	58305.556		ug/L						
P	31	8.718239	15671.73	ug/L	0.249					
S	32	76427876		ug/L						
Cl	35	7470009.8		ug/L						
K	39	10.529875	845638	ug/L	0.382					
Ca	44	25.885161	34214.35	ug/L	0.676					
Sc	45	127310.65		ug/L						
Ti	47	0.023768	149.003	ug/L	0.001					
Ti	48	-0.061552	-2372.11	ug/L	0.011					
V	51	1.632197	33994.45	ug/L	0.102					
ClO	51	34200.221		ug/L						
Cr	52	-0.012522	6018.382	ug/L	0.002					
Cr	53	4.627293	10763.81	ug/L	0.242					
Fe	54	7.813318	82596.06	ug/L	1.242					
Mn	55	0.041113	1283.104	ug/L	0.011					
Fe	56	-4.367759	1734696	ug/L	3.979					
Fe	57	-0.097688	6933.35	ug/L	3.092					
Co	59	-0.002096	55.667	ug/L	0.002					
Ni	60	0.018519	81.001	ug/L	0.002					
Ni	62	0.000644	41.667	ug/L	0.011					
Cu	63	0.018889	175.67	ug/L	0.001					
Zn	64	0.131577	1137.556	ug/L	0.01					
Cu	65	0.005033	59.667	ug/L	0.002					
Zn	66	0.10647	670.031	ug/L	0.022					
Zn	68	0.141333	563.69	ug/L	0.002					
Ge	72	128684.39		ug/L						
As	75	-0.120116	359.136	ug/L	0.099					
Se	74	7.760521	13141.85	mg/L	14.556					
ArCl	77	532.354		ug/L						

Br	79	15262.082	ug/L						
Br	81	27661.13	ug/L						
Y	89	333468.59	ug/L						
Mo	95	0.036419	209.671	ug/L	0.013				
Rh	103	341623.41	ug/L						
Ag	107	-0.016985	374.011	ug/L	0.002				
Ag	109	-0.012371	368.344	ug/L	0.003				
Cd	111	-0.000745	11	ug/L	0.001				
Cd	114	-0.000576	24.334	ug/L	0.001				
In	115	438206.41	ug/L						
Sb	121	0.00354	694.033	ug/L	0.001				
Sb	123	0.004419	539.755	ug/L	0.006				
Ba	137	0.009588	91.001	ug/L	0				
Ba	138	0.009912	515.243	ug/L	0.002				
Tb	159	571774.54	ug/L						
Ho	165	554297.38	ug/L						
Hg	200	-0.000418	19.334	ug/L	0.004				
Hg	202	-0.0028	15.333	ug/L	0.001				
Tl	205	-0.000553	186.337	ug/L	0.001				
Pb	208	-0.000529	509.344	ug/L	0.001				
Bi	209	407754.81	ug/L						
Se	77	0.666897	496.014	mg/L	0.55				
Se	78	-1.55959	11579.34	mg/L	0.364				
Se	82	0.588135	60.937	mg/L	0.258				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.228							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.513
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.765
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.459
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Thursday August 25 2011 22:32:07
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.18412
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5664.431		ug/L						
Be	9	87.141644	22340.31	ug/L	2.459					
B	10	88.521729	4761.295	ug/L	3.583					
B	11	90.786186	22167.55	ug/L	2.574					
C	12	359492.37		ug/L						
Na	23	105.65352	529208.7	ug/L	4.651					
Mg	24	96.859556	329096.5	ug/L	1.397					
Mg	25	96.864334	46409.49	ug/L	0.94					
Al	27	99.248976	516483.5	ug/L	1.035					
Si	28	188081.19		ug/L						
P	31	6.434576	15120.76	ug/L	1.811					
S	32	73673433		ug/L						
Cl	35	7174027.6		ug/L						
K	39	1005.9068	7864173	ug/L	11.612					
Ca	44	124.58019	56336.31	ug/L	1.769					
Sc	45	127762.25		ug/L						
Ti	47	101.27902	58000.68	ug/L	1.439					
Ti	48	102.57518	615395.8	ug/L	0.121					
V	51	99.639747	812606.9	ug/L	1.209					
ClO	51	815602.72		ug/L						
Cr	52	103.84252	674369.9	ug/L	0.956					
Cr	53	96.690196	89071.45	ug/L	1.632					
Fe	54	110.33408	132718.2	ug/L	4.761					
Mn	55	101.67892	1023809	ug/L	0.372					
Fe	56	138.19251	2987548	ug/L	0.931					
Fe	57	101.38657	27149.87	ug/L	1.176					
Co	59	103.28939	777474.3	ug/L	0.984					
Ni	60	99.452838	167707.1	ug/L	1.745					
Ni	62	99.401832	25585.21	ug/L	1.353					
Cu	63	100.57797	389980.8	ug/L	0.031					
Zn	64	95.710856	175396.6	ug/L	0.768					
Cu	65	100.8024	190162	ug/L	0.036					
Zn	66	97.20543	103855.6	ug/L	0.135					
Zn	68	99.261818	75206.21	ug/L	1.429					
Ge	72	128903.56		ug/L						
As	75	104.96825	138608.6	ug/L	2.71					
Se	74	3.081188	12011.4	mg/L	29.602					
ArCl	77	9529.087		ug/L						

Br	79	6648.168	ug/L			
Br	81	18474.279	ug/L			
Y	89	331046.6	ug/L			
Mo	95	98.174778	325273.1	ug/L	0.898	
Rh	103	329615.03	ug/L			
Ag	107	65.489049	610812.5	ug/L	2.324	
Ag	109	67.769679	613280.3	ug/L	1.704	
Cd	111	104.12183	253915.7	ug/L	1.144	
Cd	114	103.67785	596558.8	ug/L	1.167	
In	115	435485.43	ug/L			
Sb	121	95.765512	824747.1	ug/L	4.752	
Sb	123	98.085256	643652.5	ug/L	6.324	
Ba	137	105.84867	449371.1	ug/L	0.178	
Ba	138	105.22762	2889746	ug/L	0.624	
Tb	159	558364.49	ug/L			
Ho	165	547637.65	ug/L			
Hg	200	0.99483	2130.604	ug/L	0.008	
Hg	202	0.995686	2837.805	ug/L	0.016	
Tl	205	104.30585	2625586	ug/L	0.483	
Pb	208	99.020089	3461965	ug/L	0.807	
Bi	209	412224.09	ug/L			
Se	77	92.910534	9348.805	mg/L	0.787	
Se	78	102.99047	41070.13	mg/L	0.507	
Se	82	94.193732	12981.48	mg/L	0.115	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	86.279							
|	B	88.257							
|	B	90.515							
|	C								
|	Na	104.298							
|	Mg	95.901							
|	Mg	95.905							
|	Al	98.854							
|	Si								
|	P								
|	S								
|	Cl								
|	K	100.29							
|	Ca	123.469							
|>	Sc	97.573							
|	Ti	101.279							
|	Ti	102.575							
|	V	99.243							
|	ClO								
|	Cr	102.814							

|	Cr	95.733
|	Fe	109.676
|	Mn	101.274
|	Fe	137.368
|	Fe	100.782
|	Co	102.673
|	Ni	98.664
|	Ni	98.613
|	Cu	100.679
|	Zn	95.046
|	Cu	100.903
|	Zn	96.53
|-	Zn	98.572
|>	Ge	98.681
|	As	105.602
|	Se	3.075
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	97.881
|-	Rh	
|	Ag	64.969
|	Ag	67.232
|	Cd	103.604
|	Cd	103.162
|>	In	98.152
|	Sb	95.479
|	Sb	97.792
|	Ba	105.113
|-	Ba	104.496
|-	Tb	
|>	Ho	100.24
|	Hg	99.483
|	Hg	99.569
|	Tl	104.306
|	Pb	99.02
|-	Bi	
	Se	92.725
	Se	102.785
	Se	94.006

Sample ID: QC Std 5
Sample Date/Time Thursday August 25 2011 22:39:16
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.18413
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5832.541		ug/L						
Be	9	39.211814	10003.94	ug/L	0.373					
B	10	145.19921	7743.041	ug/L	1.644					
B	11	150.30177	36397.76	ug/L	1.388					
C	12	359495.47		ug/L						
Na	23	8.005043	54753.2	ug/L	0.303					
Mg	24	0.548499	2353.876	ug/L	0.097					
Mg	25	0.496492	316.704	ug/L	0.136					
Al	27	175.47955	904665.7	ug/L	1.971					
Si	28	97914.44		ug/L						
P	31	5.322017	14740.08	ug/L	0.532					
S	32	72317798		ug/L						
Cl	35	7010741.4		ug/L						
K	39	5.978712	812117.9	ug/L	1.086					
Ca	44	24.845327	33919.88	ug/L	1.662					
Sc	45	127076.72		ug/L						
Ti	47	0.140869	215.338	ug/L	0.017					
Ti	48	-0.024777	-2148.03	ug/L	0					
V	51	26.068344	226988.8	ug/L	0.508					
ClO	51	230083.65		ug/L						
Cr	52	50.926682	332060.7	ug/L	0.354					
Cr	53	49.263787	48495.51	ug/L	0.283					
Fe	54	196.4295	173556.4	ug/L	15.298					
Mn	55	108.96884	1091236	ug/L	0.943					
Fe	56	222.30604	3702956	ug/L	5.13					
Fe	57	184.49513	43444.58	ug/L	6.669					
Co	59	24.45581	183132.9	ug/L	0.675					
Ni	60	201.59564	338092.1	ug/L	2.362					
Ni	62	198.99865	50905.64	ug/L	2.258					
Cu	63	78.006402	300857.8	ug/L	0.23					
Zn	64	99.037796	180487.7	ug/L	1.019					
Cu	65	78.902329	148052	ug/L	0.768					
Zn	66	102.33384	108712.9	ug/L	0.872					
Zn	68	106.56246	80275.68	ug/L	0.627					
Ge	72	126785.99		ug/L						
As	75	43.996435	57448.68	ug/L	0.793					
Se	74	13.911854	14380.29	mg/L	3.215					
ArCl	77	15122.051		ug/L						

Br	79	4637.562	ug/L			
Br	81	15731.762	ug/L			
Y	89	327109.01	ug/L			
Mo	95	43.386189	141425.7	ug/L	0.431	
Rh	103	330842.08	ug/L			
Ag	107	53.42785	494451.3	ug/L	0.008	
Ag	109	53.065711	476423.5	ug/L	0.262	
Cd	111	24.253869	58682.04	ug/L	0.102	
Cd	114	23.812753	135940.6	ug/L	0.137	
In	115	431981.24	ug/L			
Sb	121	52.232576	446454.3	ug/L	0.078	
Sb	123	52.693348	343175.2	ug/L	0.167	
Ba	137	146.98978	618985.8	ug/L	1.859	
Ba	138	147.56603	4019675	ug/L	0.454	
Tb	159	556213.92	ug/L			
Ho	165	539182.76	ug/L			
Hg	200	1.044374	2201.288	ug/L	0.001	
Hg	202	1.033504	2899.491	ug/L	0.003	
Tl	205	14.514919	359900.3	ug/L	0.062	
Pb	208	103.06029	3547561	ug/L	1.334	
Bi	209	412180.68	ug/L			
Se	77	153.03677	15119.23	mg/L	2.086	
Se	78	163.15067	58039.73	mg/L	0.296	
Se	82	150.17112	20708.13	mg/L	1.663	

QC	Calculated Values							
	Analyte	QC	Std	% Recovery	Int	Std	%	Recovery
|-	Li							
|	Be	92.047						
|	B	90.75						
|	B	93.939						
|	C							
|	Na							
|	Mg							
|	Mg							
|	Al	99.704						
|	Si							
|	P							
|	S							
|	Cl							
|	K							
|	Ca							
|>	Sc	97.049						
|	Ti							
|	Ti							
|	V	104.692						
|	ClO							
|	Cr	103.51						

	Cr	100.13
	Fe	109.737
	Mn	102.801
	Fe	124.193
	Fe	103.07
	Co	104.961
	Ni	98.821
	Ni	97.548
	Cu	99.752
	Zn	94.322
	Cu	100.898
	Zn	97.461
|-	Zn	101.488
|>	Ge	97.06
	As	111.666
	Se	8.695
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	103.547
|-	Rh	
	Ag	106.218
	Ag	105.498
	Cd	104.543
	Cd	102.641
|>	In	97.362
	Sb	112.328
	Sb	113.319
	Ba	104.248
|-	Ba	104.657
|-	Tb	
|>	Ho	98.692
	Hg	104.437
	Hg	103.35
	Tl	102.218
	Pb	99.096
|-	Bi	
	Se	95.648
	Se	101.969
	Se	93.857

Sample ID: QC Std 6
Sample Date/Time Thursday August 25 2011 22:46:24
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.18414
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5673.77		ug/L						
Be	9	0.000911	7.333	ug/L	0.003					
B	10	1.141893	103.002	ug/L	0.099					
B	11	1.084023	433.348	ug/L	0.18					
C	12	364350.59		ug/L						
Na	23	9887.5316	47647810	ug/L	362.457					
Mg	24	9802.3793	32985347	ug/L	311.676					
Mg	25	9917.2263	4704167	ug/L	317.376					
Al	27	9874.9808	50518199	ug/L	267.132					
Si	28	54538.55		ug/L						
P	31	10233.43	2725269	ug/L	119.632					
S	32	67283817		ug/L						
Cl	35	1621103.3		ug/L						
K	39	9925.8511	70162815	ug/L	215.699					
Ca	44	9851.1428	2206824	ug/L	27.558					
Sc	45	126734.64		ug/L						
Ti	47	25.217022	14427.25	ug/L	0.213					
Ti	48	8.650159	49639.45	ug/L	0.519					
V	51	0.096958	21750.22	ug/L	0.053					
ClO	51	22125.455		ug/L						
Cr	52	-0.027292	5897.213	ug/L	0.009					
Cr	53	0.007294	6820.627	ug/L	0.211					
Fe	54	9932.5736	4865312	ug/L	57.04					
Mn	55	0.113798	2001.907	ug/L	0.002					
Fe	56	10229.421	90507210	ug/L	182.887					
Fe	57	10613.868	2101169	ug/L	936.183					
Co	59	0.033663	322.342	ug/L	0.001					
Ni	60	0.252349	471.684	ug/L	0.005					
Ni	62	0.07221	59.667	ug/L	0.034					
Cu	63	0.241982	1032.736	ug/L	0					
Zn	64	0.694008	2149.623	ug/L	0.013					
Cu	65	0.146683	324.342	ug/L	0.01					
Zn	66	0.55679	1141.75	ug/L	0.046					
Zn	68	0.569256	880.718	ug/L	0.032					
Ge	72	127202.47		ug/L						
As	75	-0.025012	478.292	ug/L	0					
Se	74	-3.259931	10414.39	mg/L	12.134					
ArCl	77	304.008		ug/L						

Br	79	3018.865	ug/L			
Br	81	13913.111	ug/L			
Y	89	322444.05	ug/L			
Mo	95	0.211739	780.041	ug/L	0.015	
Rh	103	317599.38	ug/L			
Ag	107	0.204425	2384.672	ug/L	0.029	
Ag	109	0.204275	2276.643	ug/L	0.025	
Cd	111	0.013767	45.334	ug/L	0.002	
Cd	114	0.015101	112.002	ug/L	0.002	
In	115	426288.61	ug/L			
Sb	121	0.733083	6821.975	ug/L	0.083	
Sb	123	0.751961	5323.966	ug/L	0.069	
Ba	137	0.064563	317.009	ug/L	0.004	
Ba	138	0.065087	1984.846	ug/L	0.005	
Tb	159	553738.36	ug/L			
Ho	165	543786.08	ug/L			
Hg	200	0.012223	45.667	ug/L	0.005	
Hg	202	0.0112	54.334	ug/L	0.001	
Tl	205	0.007639	387.679	ug/L	0	
Pb	208	0.047039	2151.121	ug/L	0	
Bi	209	388310.72	ug/L			
Se	77	-1.62554	276.004	mg/L	0.098	
Se	78	-2.805493	11227.9	mg/L	0.826	
Se	82	0.116525	-4.16	mg/L	0.292	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	98.875							
|	Mg	98.024							
|	Mg	99.172							
|	Al	98.75							
|	Si								
|	P	102.334							
|	S								
|	Cl								
|	K	99.259							
|	Ca	98.511							
|>	Sc	96.788							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	99.326
|	Mn	
|	Fe	102.294
|	Fe	106.139
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	97.379
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	96.079
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	99.535
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.17
Sample Date/Time Thursday August 25 2011 22:53:35
Autosampl Position: 46
Sample Descriptior Aqtot Rerun Be + As
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.17.18415
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6833.243		ug/L						
Be	9	-0.001376	7.333	ug/L	0.011					
B	10	315.0798	18203.74	ug/L	10.342					
B	11	343.39423	90114.2	ug/L	6.326					
C	12	920763.9		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	43484.216	1.59E+08	ug/L	269.282					
Mg	25	42365.918	21896246	ug/L	145.478					
Al	27	24.456015	141263.4	ug/L	0.283					
Si	28	18952569		ug/L						
P	31	140.34686	55011.59	ug/L	6.121					
S	32	71549317		ug/L						
Cl	35	12892690		ug/L						
K	39	18353.738	1.41E+08	ug/L	578.024					
Ca	44	38995.308	9423307	ug/L	1344.359					
Sc	45	138067.29		ug/L						
Ti	47	2.449251	1658.835	ug/L	0.117					
Ti	48	29.770533	191669.4	ug/L	4.892					
V	51	2.010565	40105.11	ug/L	0.289					
ClO	51	40549.064		ug/L						
Cr	52	0.109493	7375.092	ug/L	0.011					
Cr	53	5.30139	12289.77	ug/L	0.759					
Fe	54	10164.047	5422100	ug/L	20.014					
Mn	55	1811.8397	19700637	ug/L	16.1					
Fe	56	10087.925	97270547	ug/L	1.897					
Fe	57	10933.734	2359063	ug/L	248.817					
Co	59	4.739767	38635.35	ug/L	0.092					
Ni	60	20.451025	37314.47	ug/L	0.081					
Ni	62	19.520841	5466.698	ug/L	0.173					
Cu	63	1.832723	7789.749	ug/L	0.038					
Zn	64	2.833379	6556.802	ug/L	0.029					
Cu	65	0.394697	858.716	ug/L	0.015					
Zn	66	2.457523	3426.347	ug/L	0					
Zn	68	10.99976	9447.334	ug/L	0.206					
Ge	72	122259.31		ug/L						
As	75	15.838448	20255.14	ug/L	0.388					
Se	74	-5.601564	9496.552	mg/L	5.894					
ArCl	77	1130.748		ug/L						

Br	79	920039.65	ug/L						
Br	81	997727.81	ug/L						
Y	89	320190.46	ug/L						
Mo	95	28.256516	88842.56	ug/L	0.418				
Rh	103	303596.51	ug/L						
Ag	107	0.11169	1471.801	ug/L	0.02				
Ag	109	0.114815	1420.46	ug/L	0.03				
Cd	111	0.093107	224.672	ug/L	0.003				
Cd	114	0.082476	470.35	ug/L	0.005				
In	115	407994.33	ug/L						
Sb	121	0.448501	4233.028	ug/L	0.001				
Sb	123	0.468718	3354.418	ug/L	0.007				
Ba	137	334.32298	1329633	ug/L	0.211				
Ba	138	336.66092	8661058	ug/L	9.636				
Tb	159	547261.51	ug/L						
Ho	165	525180.53	ug/L						
Hg	200	0.016435	52.667	ug/L	0				
Hg	202	0.013615	59.001	ug/L	0.002				
Tl	205	0.002608	253.006	ug/L	0				
Pb	208	0.048807	2136.783	ug/L	0				
Bi	209	354924.86	ug/L						
Se	77	7.01654	1105.401	mg/L	0.059				
Se	78	-2.470191	11322.48	mg/L	0.028				
Se	82	13.634375	1861.732	mg/L	1.128				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.443							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.595
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.956
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.129
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.18
Sample Date/Time Thursday August 25 2011 23:00:15
Autosampl Position: 47
Sample Descriptior Aqtot Rerun Be + As
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.18.18416
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5057.407		ug/L						
Be	9	-0.006645	6	ug/L	0.007					
B	10	9.765632	623.694	ug/L	0.3					
B	11	11.007819	3142.575	ug/L	0.072					
C	12	497676.64		ug/L						
Na	23	7839.2789	42132905	ug/L	56.662					
Mg	24	3522.1891	13217891	ug/L	22.49					
Mg	25	3360.113	1777680	ug/L	1.409					
Al	27	3.700338	26183.64	ug/L	0.07					
Si	28	19989080		ug/L						
P	31	2.769995	15621.65	ug/L	4.071					
S	32	72309164		ug/L						
Cl	35	8008222.2		ug/L						
K	39	1944.0716	16010079	ug/L	38.625					
Ca	44	12096.098	3013387	ug/L	298.795					
Sc	45	141326.53		ug/L						
Ti	47	1.367128	1014.067	ug/L	0.045					
Ti	48	11.251814	72665.65	ug/L	0.268					
V	51	1.274514	34587.35	ug/L	0.095					
ClO	51	35169.25		ug/L						
Cr	52	0.025116	6944.787	ug/L	0.04					
Cr	53	3.462431	10849.25	ug/L	0.389					
Fe	54	-9.810414	82190.46	ug/L	3.924					
Mn	55	0.900973	10989.42	ug/L	0.02					
Fe	56	-23.689403	1737500	ug/L	6.854					
Fe	57	31.696882	14683.32	ug/L	2.269					
Co	59	0.108558	982.063	ug/L	0.008					
Ni	60	3.899861	7327.359	ug/L	0.044					
Ni	62	3.537657	1052.071	ug/L	0.079					
Cu	63	0.258565	1221.428	ug/L	0.021					
Zn	64	2.328618	5688.587	ug/L	0.178					
Cu	65	0.213278	500.352	ug/L	0.011					
Zn	66	1.950728	2909.828	ug/L	0.096					
Zn	68	2.142852	2291.645	ug/L	0.119					
Ge	72	128055.62		ug/L						
As	75	0.119094	670.22	ug/L	0.068					
Se	74	0.049965	11270.21	mg/L	6.844					
ArCl	77	627.361		ug/L						

Br	79	21869.506	ug/L						
Br	81	33958.989	ug/L						
Y	89	327992.92	ug/L						
Mo	95	0.405589	1423.459	ug/L	0.006				
Rh	103	327310.98	ug/L						
Ag	107	0.067751	1182.422	ug/L	0.007				
Ag	109	0.073838	1166.087	ug/L	0.01				
Cd	111	0.005662	27	ug/L	0.003				
Cd	114	0.006764	67.668	ug/L	0.001				
In	115	443528.37	ug/L						
Sb	121	0.143716	1930.891	ug/L	0.001				
Sb	123	0.144975	1485.119	ug/L	0.003				
Ba	137	3.269	14182.53	ug/L	0.031				
Ba	138	3.299465	92509.43	ug/L	0.04				
Tb	159	557705.87	ug/L						
Ho	165	544457.92	ug/L						
Hg	200	0.003347	27	ug/L	0.003				
Hg	202	0.004776	36.334	ug/L	0.003				
Tl	205	0.002066	248.673	ug/L	0				
Pb	208	0.018726	1169.708	ug/L	0				
Bi	209	385708.43	ug/L						
Se	77	2.16743	640.023	mg/L	0.157				
Se	78	-3.07438	11152.06	mg/L	0.143				
Se	82	0.829486	94.251	mg/L	0.196				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	107.932							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.032
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.965
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.658
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.19
Sample Date/Time Thursday August 25 2011 23:06:57
Autosampl Position: 48
Sample Descriptior Aqtot Rerun Be + As
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.19.18417
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5927.266		ug/L						
Be	9	-0.001766	7.667	ug/L	0.011					
B	10	8.617754	572.357	ug/L	0.555					
B	11	8.65067	2587.394	ug/L	0.04					
C	12	527625.08		ug/L						
Na	23	8187.8698	45345307	ug/L	89.053					
Mg	24	3851.7881	14895749	ug/L	6.707					
Mg	25	3732.0865	2035080	ug/L	120.062					
Al	27	7.847326	51319.81	ug/L	0.658					
Si	28	20808860		ug/L						
P	31	-1.210716	14900.36	ug/L	1.106					
S	32	72902074		ug/L						
Cl	35	7556797.4		ug/L						
K	39	1869.0672	15893849	ug/L	79.354					
Ca	44	14281.753	3661517	ug/L	32.182					
Sc	45	145626.62		ug/L						
Ti	47	1.586257	1187.756	ug/L	0.058					
Ti	48	14.254848	95470.43	ug/L	0.632					
V	51	0.955042	32755.23	ug/L	0.06					
ClO	51	33811.099		ug/L						
Cr	52	-0.083665	6361.903	ug/L	0.009					
Cr	53	2.666814	10414.07	ug/L	0.019					
Fe	54	43.217333	114066.2	ug/L	5.046					
Mn	55	15.250564	175838.4	ug/L	0.43					
Fe	56	65.496559	2680337	ug/L	1.934					
Fe	57	94.356679	29343.55	ug/L	3.312					
Co	59	0.019295	247.006	ug/L	0.001					
Ni	60	1.002881	1983.903	ug/L	0.028					
Ni	62	0.66077	241.006	ug/L	0.003					
Cu	63	0.188574	950.393	ug/L	0.009					
Zn	64	1.938703	5056.439	ug/L	0.025					
Cu	65	0.167265	417.014	ug/L	0.001					
Zn	66	1.551674	2516.373	ug/L	0.036					
Zn	68	1.661257	1948.895	ug/L	0.083					
Ge	72	130740.22		ug/L						
As	75	0.129035	696.83	ug/L	0.029					
Se	74	3.781956	12367.88	mg/L	17.662					
ArCl	77	642.029		ug/L						

Br	79	16911.56	ug/L						
Br	81	29054.356	ug/L						
Y	89	335609.45	ug/L						
Mo	95	0.241753	902.387	ug/L	0.016				
Rh	103	328872.38	ug/L						
Ag	107	0.020735	733.37	ug/L	0.003				
Ag	109	0.020499	672.698	ug/L	0.001				
Cd	111	0.002721	19.667	ug/L	0				
Cd	114	0.001105	34.334	ug/L	0.001				
In	115	441604.99	ug/L						
Sb	121	0.096232	1508.14	ug/L	0.002				
Sb	123	0.091599	1123.566	ug/L	0.005				
Ba	137	2.652427	11468.01	ug/L	0.001				
Ba	138	2.677744	74804.27	ug/L	0.012				
Tb	159	552373.31	ug/L						
Ho	165	547746.99	ug/L						
Hg	200	0.002486	25.334	ug/L	0.002				
Hg	202	0.003869	34	ug/L	0				
Tl	205	0.001346	232.005	ug/L	0.001				
Pb	208	0.01758	1136.706	ug/L	0				
Bi	209	396143.21	ug/L						
Se	77	1.931238	617.355	mg/L	1.238				
Se	78	-3.281771	11093.56	mg/L	0.65				
Se	82	0.334783	25.967	mg/L	0.437				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	111.216							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.087
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.531
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.26
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Thursday August 25 2011 23:13:38
Autosampl Position: 49
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18418
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5749.818		ug/L						
Be	9	-0.001511	6.667	ug/L	0.004					
B	10	0.481517	67.668	ug/L	0.035					
B	11	0.502348	291.674	ug/L	0.038					
C	12	356729.84		ug/L						
Na	23	24.999227	136831.6	ug/L	22.308					
Mg	24	0.671529	2750.693	ug/L	0.067					
Mg	25	0.782881	450.056	ug/L	0.091					
Al	27	0.301749	6055.956	ug/L	0.017					
Si	28	50873.721		ug/L						
P	31	2.960571	14002.18	ug/L	1.064					
S	32	73972767		ug/L						
Cl	35	7302294.2		ug/L						
K	39	9.40475	829309.7	ug/L	1.685					
Ca	44	22.023809	33029.88	ug/L	1.113					
Sc	45	126050.71		ug/L						
Ti	47	0.012296	141.003	ug/L	0.011					
Ti	48	-0.022545	-2118.25	ug/L	0.014					
V	51	1.297855	31030.86	ug/L	0.152					
ClO	51	31756.365		ug/L						
Cr	52	-0.024096	5883.762	ug/L	0.026					
Cr	53	3.888007	10035.3	ug/L	0.372					
Fe	54	-1.812044	77126.96	ug/L	8.649					
Mn	55	0.010866	969.728	ug/L	0.002					
Fe	56	-9.048165	1676396	ug/L	6.026					
Fe	57	-2.90645	6306.151	ug/L	1.631					
Co	59	-0.002589	51.334	ug/L	0.001					
Ni	60	0.031427	101.668	ug/L	0.002					
Ni	62	0.024577	47.334	ug/L	0.011					
Cu	63	0.018373	172.003	ug/L	0					
Zn	64	1.550998	3679.192	ug/L	0.027					
Cu	65	0.019286	85.668	ug/L	0.002					
Zn	66	1.59975	2228.295	ug/L	0.051					
Zn	68	1.59425	1637.164	ug/L	0.065					
Ge	72	125232.7		ug/L						
As	75	-0.133238	332.294	ug/L	0.053					
Se	74	13.270335	14067.58	mg/L	13.179					
ArCl	77	534.688		ug/L						

Br	79	4437.127	ug/L						
Br	81	15913.747	ug/L						
Y	89	332368.13	ug/L						
Mo	95	0.02447	165.67	ug/L	0.001				
Rh	103	334993.9	ug/L						
Ag	107	-0.021951	321.009	ug/L	0.008				
Ag	109	-0.017982	311.009	ug/L	0.006				
Cd	111	0.00199	17.334	ug/L	0.001				
Cd	114	0.000461	29.667	ug/L	0				
In	115	428824.68	ug/L						
Sb	121	0.048026	1055.739	ug/L	0.006				
Sb	123	0.042554	774.436	ug/L	0.002				
Ba	137	0.005159	70.668	ug/L	0.004				
Ba	138	0.008394	463.239	ug/L	0				
Tb	159	550292.68	ug/L						
Ho	165	531741.48	ug/L						
Hg	200	-0.001037	17.334	ug/L	0.001				
Hg	202	0.000463	23.667	ug/L	0.002				
Tl	205	-0.000207	187.337	ug/L	0				
Pb	208	0.004586	662.349	ug/L	0.001				
Bi	209	405063.81	ug/L						
Se	77	1.014241	529.349	mg/L	0.688				
Se	78	-3.027479	11165.29	mg/L	0.872				
Se	82	0.23275	11.883	mg/L	0.399				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.266							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.871
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.651
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.33
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.07
Sample Date/Time Thursday August 25 2011 23:20:19
Autosampl Position: 50
Sample Description Aqtot Redigest as checks
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.07.18419
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6450.289		ug/L						
Be	9	0.012046	12.333	ug/L	0.002					
B	10	4.506754	341.01	ug/L	0.269					
B	11	4.717498	1585.821	ug/L	0.017					
C	12	514074.64		ug/L						
Na	23	7137.7242	41763636	ug/L	118.1					
Mg	24	4750.6807	19407514	ug/L	62.417					
Mg	25	4960.8368	2856763	ug/L	133.493					
Al	27	26.418015	169567	ug/L	0.17					
Si	28	27084001		ug/L						
P	31	4.818792	17682.35	ug/L	4.944					
S	32	70939138		ug/L						
Cl	35	7624298.9		ug/L						
K	39	2280.9527	20290925	ug/L	11.209					
Ca	44	5800.6579	1591415	ug/L	67.713					
Sc	45	153833.31		ug/L						
Ti	47	3.126429	2314.651	ug/L	0.011					
Ti	48	7.155707	49439.31	ug/L	0.031					
V	51	0.528238	30523.8	ug/L	0.03					
ClO	51	31368.339		ug/L						
Cr	52	-0.17966	5977.166	ug/L	0.014					
Cr	53	1.391939	9695.598	ug/L	0.065					
Fe	54	3288.8774	2019228	ug/L	36.932					
Mn	55	416.86931	5050859	ug/L	2.187					
Fe	56	3273.6757	36616994	ug/L	1.135					
Fe	57	3381.6259	818622.7	ug/L	26.789					
Co	59	0.655413	6026.057	ug/L	0.006					
Ni	60	1.5686	3244.611	ug/L	0.002					
Ni	62	1.369853	474.017	ug/L	0.082					
Cu	63	0.257594	1326.443	ug/L	0.009					
Zn	64	4.594726	11172.54	ug/L	0.092					
Cu	65	0.240878	607.693	ug/L	0.002					
Zn	66	4.357986	6249.21	ug/L	0.087					
Zn	68	4.798025	4903.705	ug/L	0.007					
Ge	72	128956.21		ug/L						
As	75	0.962849	1785.096	ug/L	0.041					
Se	74	-0.594853	11201.7	mg/L	2.83					
ArCl	77	575.024		ug/L						

Br	79	9414.979	ug/L						
Br	81	20892.545	ug/L						
Y	89	328347.14	ug/L						
Mo	95	0.1557	605.36	ug/L	0.005				
Rh	103	321907.02	ug/L						
Ag	107	-0.011051	421.014	ug/L	0.001				
Ag	109	-0.010727	375.678	ug/L	0				
Cd	111	0.009611	35.667	ug/L	0.002				
Cd	114	0.006091	61.667	ug/L	0.001				
In	115	429351.92	ug/L						
Sb	121	0.060929	1167.087	ug/L	0.007				
Sb	123	0.057037	869.069	ug/L	0.001				
Ba	137	12.485521	52304.58	ug/L	0.121				
Ba	138	12.454034	337387.5	ug/L	0.095				
Tb	159	544110.93	ug/L						
Ho	165	536686.41	ug/L						
Hg	200	0.000012	19.667	ug/L	0.001				
Hg	202	-0.000694	20.667	ug/L	0.001				
Tl	205	0.002333	251.673	ug/L	0.001				
Pb	208	0.071936	2975.889	ug/L	0.001				
Bi	209	391313.47	ug/L						
Se	77	1.278222	554.684	mg/L	0.236				
Se	78	-4.2277	10826.74	mg/L	0.158				
Se	82	0.494553	48.02	mg/L	0.193				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	117.484							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.721
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.77
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.235
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.08
Sample Date/Time Thursday August 25 2011 23:26:59
Autosampl Position: 51
Sample Description Aqtot Redigest as checks
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.08.18420
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6962.665		ug/L						
Be	9	0.022195	15	ug/L	0.011					
B	10	5.90817	418.347	ug/L	0.059					
B	11	5.897152	1873.879	ug/L	0.337					
C	12	548730.43		ug/L						
Na	23	16006.258	90888523	ug/L	92.204					
Mg	24	4961.2569	19672721	ug/L	130.385					
Mg	25	5037.2999	2815620	ug/L	134.456					
Al	27	472.40841	2852934	ug/L	7.26					
Si	28	26596048		ug/L						
P	31	11.641303	19299.08	ug/L	2.66					
S	32	69724535		ug/L						
Cl	35	7378239.2		ug/L						
K	39	3566.3454	30286418	ug/L	25.573					
Ca	44	6657.7759	1768238	ug/L	41.497					
Sc	45	149332.56		ug/L						
Ti	47	21.117618	14262.32	ug/L	0.09					
Ti	48	27.071381	188078.4	ug/L	1.028					
V	51	1.172381	35611.64	ug/L	0.004					
ClO	51	36346.209		ug/L						
Cr	52	0.73451	12678.04	ug/L	0.027					
Cr	53	2.053249	10069.34	ug/L	0.048					
Fe	54	808.05541	551261.5	ug/L	32.142					
Mn	55	207.53861	2441308	ug/L	4.69					
Fe	56	764.33667	9891697	ug/L	30.87					
Fe	57	827.10474	200520.5	ug/L	3.849					
Co	59	0.558503	4996.756	ug/L	0.013					
Ni	60	0.754282	1544.813	ug/L	0.019					
Ni	62	1.105287	380.678	ug/L	0.006					
Cu	63	1.637384	7537.868	ug/L	0.079					
Zn	64	3.17508	7820.269	ug/L	0.01					
Cu	65	1.557293	3491.372	ug/L	0.052					
Zn	66	2.440826	3684.451	ug/L	0.151					
Zn	68	2.807602	3008.194	ug/L	0.006					
Ge	72	125841		ug/L						
As	75	0.32995	929.143	ug/L	0.001					
Se	74	12.190707	13869.53	mg/L	11.292					
ArCl	77	601.693		ug/L						

Br	79	9017.23	ug/L						
Br	81	20097.725	ug/L						
Y	89	332687.4	ug/L						
Mo	95	2.519802	8234.81	ug/L	0.002				
Rh	103	315232.37	ug/L						
Ag	107	-0.014372	391.346	ug/L	0.001				
Ag	109	-0.011672	368.011	ug/L	0.001				
Cd	111	0.012895	43.667	ug/L	0.001				
Cd	114	0.015572	115.669	ug/L	0.001				
In	115	430248.69	ug/L						
Sb	121	0.11464	1625.828	ug/L	0.002				
Sb	123	0.114279	1241.874	ug/L	0.014				
Ba	137	11.274328	47331.03	ug/L	0.124				
Ba	138	11.13262	302245.4	ug/L	0.123				
Tb	159	545478.77	ug/L						
Ho	165	529921.45	ug/L						
Hg	200	0.081939	187.67	ug/L	0.005				
Hg	202	0.056296	176.337	ug/L	0.001				
Tl	205	0.009435	421.347	ug/L	0.002				
Pb	208	0.582599	20211.68	ug/L	0.009				
Bi	209	386692.51	ug/L						
Se	77	1.48663	574.685	mg/L	0.609				
Se	78	-3.8683	10928.11	mg/L	1.316				
Se	82	0.523383	51.999	mg/L	0.083				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	114.046							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.337
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.972
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.997
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.1
Sample Date/Time Thursday August 25 2011 23:33:40
Autosampl Position: 52
Sample Description Aqtot Redigest as checks
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.10.18421
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7150.811		ug/L						
Be	9	0.038888	20.334	ug/L	0.022					
B	10	15.09167	1010.066	ug/L	0.221					
B	11	15.656818	4729.277	ug/L	0.025					
C	12	554703.61		ug/L						
Na	23	11450.42	66289877	ug/L	314.265					
Mg	24	2907.3614	11753124	ug/L	98.419					
Mg	25	2827.9209	1611836	ug/L	43.537					
Al	27	1076.637	6619491	ug/L	61.1					
Si	28	23447460		ug/L						
P	31	48.033889	31263.46	ug/L	0.853					
S	32	66901015		ug/L						
Cl	35	7486989		ug/L						
K	39	1881.6545	16728245	ug/L	36.599					
Ca	44	16780.811	4493950	ug/L	301.646					
Sc	45	152283.88		ug/L						
Ti	47	61.522614	42035.76	ug/L	3.405					
Ti	48	75.593388	539318.7	ug/L	7.438					
V	51	3.119014	54739.53	ug/L	0.067					
ClO	51	56333.899		ug/L						
Cr	52	2.551572	26858.3	ug/L	0.106					
Cr	53	3.517903	11748.7	ug/L	0.324					
Fe	54	2531.4315	1559773	ug/L	70.069					
Mn	55	263.47454	3159930	ug/L	4.352					
Fe	56	2499.4786	28169479	ug/L	63.892					
Fe	57	2570.7399	617655.5	ug/L	142.398					
Co	59	0.945235	8563.45	ug/L	0.02					
Ni	60	2.581355	5246.232	ug/L	0.039					
Ni	62	2.717353	882.052	ug/L	0.013					
Cu	63	2.033643	9514.739	ug/L	0.081					
Zn	64	5.45583	12930.66	ug/L	0.029					
Cu	65	2.014862	4587.203	ug/L	0.085					
Zn	66	4.747517	6677.185	ug/L	0.169					
Zn	68	4.938676	4979.413	ug/L	0.111					
Ge	72	126030.28		ug/L						
As	75	6.907261	9392.25	ug/L	0.019					
Se	74	11.043574	13624.23	mg/L	10.132					
ArCl	77	646.696		ug/L						

Br	79	34958.245	ug/L						
Br	81	47176.709	ug/L						
Y	89	345346.11	ug/L						
Mo	95	0.767575	2573.056	ug/L	0				
Rh	103	325042.79	ug/L						
Ag	107	-0.016672	374.345	ug/L	0.001				
Ag	109	-0.012447	365.344	ug/L	0.002				
Cd	111	0.029233	84.001	ug/L	0.001				
Cd	114	0.033807	222.005	ug/L	0.003				
In	115	435183.31	ug/L						
Sb	121	0.067908	1243.098	ug/L	0.005				
Sb	123	0.066566	943.459	ug/L	0.003				
Ba	137	10.220892	43399.11	ug/L	0.212				
Ba	138	10.159922	278997.3	ug/L	0.141				
Tb	159	560036.57	ug/L						
Ho	165	533664.34	ug/L						
Hg	200	0.008922	38	ug/L	0.001				
Hg	202	0.007693	43.667	ug/L	0				
Tl	205	0.023746	775.708	ug/L	0.001				
Pb	208	0.681505	23721.1	ug/L	0.015				
Bi	209	404026.95	ug/L						
Se	77	1.875658	612.021	mg/L	0.216				
Se	78	-4.840902	10653.77	mg/L	0.886				
Se	82	1.012423	119.503	mg/L	0.261				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	116.3							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.481
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.084
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.682
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.11
Sample Date/Time Thursday August 25 2011 23:40:20
Autosampl Position: 53
Sample Description Aqtot Redigest as checks
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.11.18422
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7161.486		ug/L						
Be	9	0.003018	8.333	ug/L	0.016					
B	10	9.036742	555.022	ug/L	0.432					
B	11	9.34379	2579.392	ug/L	0.249					
C	12	586462.61		ug/L						
Na	23	16261.036	83590023	ug/L	258.03					
Mg	24	4300.1117	15434362	ug/L	135.228					
Mg	25	4363.1512	2208124	ug/L	52.499					
Al	27	13.189247	76854.78	ug/L	0.231					
Si	28	13903931		ug/L						
P	31	16.129129	18757.96	ug/L	4.705					
S	32	68101227		ug/L						
Cl	35	7456029.7		ug/L						
K	39	2619.5402	20357690	ug/L	32.425					
Ca	44	20038.25	4756809	ug/L	368.139					
Sc	45	135214.47		ug/L						
Ti	47	1.286688	922.389	ug/L	0.053					
Ti	48	17.941367	112118.7	ug/L	0.525					
V	51	1.222196	32655.54	ug/L	0.073					
ClO	51	33141.298		ug/L						
Cr	52	-0.178832	5257.64	ug/L	0.02					
Cr	53	2.177765	9227.774	ug/L	0.126					
Fe	54	98.269704	134149.7	ug/L	13.489					
Mn	55	31.893553	340358.6	ug/L	1.101					
Fe	56	117.32184	2965889	ug/L	22.173					
Fe	57	155.93075	40206.06	ug/L	4.619					
Co	59	0.052118	490.685	ug/L	0.002					
Ni	60	0.491462	929.39	ug/L	0.024					
Ni	62	0.066701	62.334	ug/L	0.037					
Cu	63	0.357421	1574.485	ug/L	0.018					
Zn	64	1.658	4153.52	ug/L	0.006					
Cu	65	0.258943	570.357	ug/L	0.006					
Zn	66	1.241147	1986.904	ug/L	0.045					
Zn	68	1.503061	1682.839	ug/L	0.114					
Ge	72	125834.3		ug/L						
As	75	6.973512	9461.595	ug/L	0.128					
Se	74	16.800305	14939.2	mg/L	1.611					
ArCl	77	604.359		ug/L						

Br	79	30054.332	ug/L						
Br	81	42705.537	ug/L						
Y	89	327146.85	ug/L						
Mo	95	2.671097	8723.939	ug/L	0.02				
Rh	103	317387.43	ug/L						
Ag	107	-0.018503	354.01	ug/L	0.001				
Ag	109	-0.017492	316.675	ug/L	0.001				
Cd	111	0.028676	82.001	ug/L	0.004				
Cd	114	0.022459	155.336	ug/L	0.002				
In	115	431297.74	ug/L						
Sb	121	0.074125	1284.437	ug/L	0.002				
Sb	123	0.075915	994.92	ug/L	0.009				
Ba	137	6.804386	28645.35	ug/L	0.213				
Ba	138	6.799042	185097.8	ug/L	0.13				
Tb	159	536732.89	ug/L						
Ho	165	532451.9	ug/L						
Hg	200	0.100112	226.005	ug/L	0.001				
Hg	202	0.068119	209.671	ug/L	0.002				
Tl	205	0.000096	195.004	ug/L	0				
Pb	208	0.148815	5565.726	ug/L	0.003				
Bi	209	387972.7	ug/L						
Se	77	1.556099	581.352	mg/L	0.079				
Se	78	-3.806396	10945.57	mg/L	0.09				
Se	82	0.301273	21.341	mg/L	0.432				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.264							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.331
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.208
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.46
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.12
Sample Date/Time Thursday August 25 2011 23:47:00
Autosampl Position: 54
Sample Description Aqtot Redigest as checks
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.12.18423
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6661.107		ug/L						
Be	9	0.011672	12.333	ug/L	0.004					
B	10	206.88585	13449.08	ug/L	0.185					
B	11	218.72188	64581.26	ug/L	0.938					
C	12	817820.59		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	21678.427	89297864	ug/L	1123.254					
Mg	25	21629.264	12561337	ug/L	585.503					
Al	27	3.954291	30323.54	ug/L	0.226					
Si	28	27830995		ug/L						
P	31	35.292462	27711.67	ug/L	6.017					
S	32	70187926		ug/L						
Cl	35	10796407		ug/L						
K	39	5743.7207	50101003	ug/L	194.868					
Ca	44	57485.206	15596144	ug/L	1797.218					
Sc	45	155175.97		ug/L						
Ti	47	1.851565	1449.797	ug/L	0.061					
Ti	48	44.235193	321061.7	ug/L	2.212					
V	51	0.910917	34468.95	ug/L	0.192					
ClO	51	35000.622		ug/L						
Cr	52	-0.095815	6683.343	ug/L	0.025					
Cr	53	2.311653	10725.77	ug/L	0.569					
Fe	54	4773.9194	2912870	ug/L	71.568					
Mn	55	471.29064	5758202	ug/L	19.714					
Fe	56	4643.3681	51467006	ug/L	257.013					
Fe	57	4930.0135	1199512	ug/L	274.674					
Co	59	0.123705	1217.76	ug/L	0.001					
Ni	60	9.59027	19696.18	ug/L	0.208					
Ni	62	8.414583	2677.088	ug/L	0.003					
Cu	63	1.151713	5547.748	ug/L	0.003					
Zn	64	0.893905	3074.622	ug/L	0.012					
Cu	65	0.188413	492.685	ug/L	0.008					
Zn	66	0.539732	1375.451	ug/L	0.026					
Zn	68	1.889187	2285.643	ug/L	0.027					
Ge	72	127908.23		ug/L						
As	75	13.802959	18534.86	ug/L	0.16					
Se	74	-4.821036	10125.09	mg/L	1.749					
ArCl	77	1015.734		ug/L						

Br	79	481558.04	ug/L						
Br	81	524626.91	ug/L						
Y	89	336952.55	ug/L						
Mo	95	1.929346	6429.671	ug/L	0.012				
Rh	103	314614.94	ug/L						
Ag	107	-0.017957	352.01	ug/L	0.003				
Ag	109	-0.01745	311.008	ug/L	0				
Cd	111	0.007445	30	ug/L	0.001				
Cd	114	0.019209	134.002	ug/L	0.001				
In	115	422955.94	ug/L						
Sb	121	0.071382	1237.097	ug/L	0.003				
Sb	123	0.070764	943.744	ug/L	0.003				
Ba	137	55.722762	229748.2	ug/L	0.794				
Ba	138	55.099865	1469466	ug/L	0.851				
Tb	159	552450.6	ug/L						
Ho	165	540364.74	ug/L						
Hg	200	0.008225	37	ug/L	0				
Hg	202	0.006326	40.334	ug/L	0.003				
Tl	205	-0.001862	149.336	ug/L	0				
Pb	208	0.120455	4669.851	ug/L	0.001				
Bi	209	374193.05	ug/L						
Se	77	5.849397	993.388	mg/L	0.098				
Se	78	-4.408131	10775.84	mg/L	0.173				
Se	82	6.795269	917.719	mg/L	0				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	118.509							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	97.919
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	95.328
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	98.908
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.14
Sample Date/Time Thursday August 25 2011 23:53:39
Autosampl Position: 55
Sample Description Aqtot Redigest as checks
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.14.18424
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6100.713		ug/L						
Be	9	-0.007635	5.333	ug/L	0.011					
B	10	1.247781	112.002	ug/L	0.249					
B	11	1.484163	545.689	ug/L	0.071					
C	12	535335.7		ug/L						
Na	23	209.22049	1055398	ug/L	3.423					
Mg	24	9.21026	32461.1	ug/L	0.226					
Mg	25	9.253068	4604.962	ug/L	0.755					
Al	27	3.311541	22145.83	ug/L	0.024					
Si	28	410762.25		ug/L						
P	31	1.572153	14125.71	ug/L	1.154					
S	32	74182876		ug/L						
Cl	35	7473793.2		ug/L						
K	39	2.537444	809972	ug/L	1.002					
Ca	44	69.479521	45045.86	ug/L	2.817					
Sc	45	130622.48		ug/L						
Ti	47	0.136376	218.671	ug/L	0.001					
Ti	48	0.112088	-1365.72	ug/L	0					
V	51	1.378746	32819.14	ug/L	0.119					
ClO	51	33337.352		ug/L						
Cr	52	-0.083447	5707.87	ug/L	0.011					
Cr	53	3.774706	10301.94	ug/L	0.354					
Fe	54	-10.788679	75506.97	ug/L	0.451					
Mn	55	0.099251	1913.887	ug/L	0.002					
Fe	56	-15.000524	1684826	ug/L	5.148					
Fe	57	-1.438731	6839.931	ug/L	2.256					
Co	59	-0.003603	45.334	ug/L	0.002					
Ni	60	0.059005	153.003	ug/L	0.007					
Ni	62	0.01162	45.667	ug/L	0.028					
Cu	63	1.196031	4845.673	ug/L	0.007					
Zn	64	0.925249	2646.677	ug/L	0.003					
Cu	65	1.170786	2309.317	ug/L	0.02					
Zn	66	0.945587	1598.823	ug/L	0.018					
Zn	68	0.891458	1155.752	ug/L	0.033					
Ge	72	130691.38		ug/L						
As	75	-0.029364	485.478	ug/L	0.083					
Se	74	12.739695	14538.78	mg/L	13.708					
ArCl	77	493.018		ug/L						

Br	79	7374.745	ug/L						
Br	81	18584.168	ug/L						
Y	89	337605.18	ug/L						
Mo	95	0.015182	141.669	ug/L	0.007				
Rh	103	345219.87	ug/L						
Ag	107	-0.023616	317.675	ug/L	0.001				
Ag	109	-0.020141	303.341	ug/L	0.002				
Cd	111	0.000237	13.667	ug/L	0.001				
Cd	114	0.04005	264.34	ug/L	0.002				
In	115	446363.75	ug/L						
Sb	121	0.004109	712.035	ug/L	0.002				
Sb	123	0.005386	556.508	ug/L	0.004				
Ba	137	0.160735	750.372	ug/L	0.005				
Ba	138	0.165905	4915.222	ug/L	0.003				
Tb	159	575894.85	ug/L						
Ho	165	553934.35	ug/L						
Hg	200	0.001747	24	ug/L	0.002				
Hg	202	-0.00104	20.334	ug/L	0.001				
Tl	205	-0.001247	168.67	ug/L	0				
Pb	208	0.031365	1636.408	ug/L	0.003				
Bi	209	414311.43	ug/L						
Se	77	0.986452	526.682	mg/L	0.02				
Se	78	-2.508318	11311.73	mg/L	0.767				
Se	82	0.217505	9.779	mg/L	0.138				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.757							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.05
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.604
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.392
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Friday August 26 2011 0:00:20
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.18425
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6082.034		ug/L						
Be	9	0.009497	9.667	ug/L	0.013					
B	10	0.303583	59.667	ug/L	0.089					
B	11	0.541613	308.342	ug/L	0.133					
C	12	363313.21		ug/L						
Na	23	6.919712	50277.22	ug/L	0.497					
Mg	24	0.408627	1913.73	ug/L	0.102					
Mg	25	0.450356	300.035	ug/L	0.209					
Al	27	0.081095	5048.575	ug/L	0.04					
Si	28	52325.376		ug/L						
P	31	2.590912	14229.23	ug/L	1.91					
S	32	71615516		ug/L						
Cl	35	7231332.3		ug/L						
K	39	1.201614	790412.4	ug/L	0.629					
Ca	44	10.071293	31112.96	ug/L	3.787					
Sc	45	128996.8		ug/L						
Ti	47	0.02093	149.336	ug/L	0.002					
Ti	48	-0.014611	-2119.09	ug/L	0.014					
V	51	1.175675	30784.68	ug/L	0.101					
ClO	51	31417.848		ug/L						
Cr	52	-0.070575	5721.059	ug/L	0.003					
Cr	53	3.58393	10010.61	ug/L	0.354					
Fe	54	-5.673732	77067.03	ug/L	4.782					
Mn	55	0.007867	961.727	ug/L	0.001					
Fe	56	-10.486024	1703422	ug/L	0.186					
Fe	57	-3.599628	6316.16	ug/L	1.512					
Co	59	-0.00336	46.667	ug/L	0.001					
Ni	60	0.014559	75.334	ug/L	0.003					
Ni	62	0.017814	46.667	ug/L	0.009					
Cu	63	0.007889	135.002	ug/L	0.001					
Zn	64	0.106206	1106.085	ug/L	0.006					
Cu	65	0.009014	68.001	ug/L	0.007					
Zn	66	0.094201	665.698	ug/L	0.022					
Zn	68	0.103376	542.355	ug/L	0.015					
Ge	72	127041.55		ug/L						
As	75	-0.012615	494.317	ug/L	0.102					
Se	74	2.766545	11813.35	mg/L	5.383					
ArCl	77	465.683		ug/L						

Br	79	3673.446	ug/L			
Br	81	14702.693	ug/L			
Y	89	334076.99	ug/L			
Mo	95	0.0075	112.668	ug/L	0.001	
Rh	103	339787.18	ug/L			
Ag	107	-0.018347	359.344	ug/L	0.005	
Ag	109	-0.015663	336.676	ug/L	0.006	
Cd	111	0.000642	14.333	ug/L	0.001	
Cd	114	-0.000029	27.334	ug/L	0.001	
In	115	435804.04	ug/L			
Sb	121	-0.009298	579.691	ug/L	0.002	
Sb	123	-0.012132	428.324	ug/L	0.005	
Ba	137	0.003743	65.668	ug/L	0.001	
Ba	138	0.005994	404.913	ug/L	0	
Tb	159	561123.36	ug/L			
Ho	165	550342.67	ug/L			
Hg	200	-0.001162	17.667	ug/L	0	
Hg	202	0.00018	23.667	ug/L	0.001	
Tl	205	-0.00044	188.004	ug/L	0	
Pb	208	-0.001579	469.009	ug/L	0	
Bi	209	416084.94	ug/L			
Se	77	0.361235	466.679	mg/L	0.275	
Se	78	-4.015761	10886.52	mg/L	0.502	
Se	82	0.158261	1.601	mg/L	0.041	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.516							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.256
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.224
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.735
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Friday August 26 2011 0:07:30
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.18426
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6107.384		ug/L						
Be	9	93.580175	24117.53	ug/L	0.884					
B	10	93.857803	5073.134	ug/L	4.628					
B	11	93.061947	22839.9	ug/L	2.761					
C	12	380972.18		ug/L						
Na	23	101.49163	511731.8	ug/L	0.758					
Mg	24	98.604323	336753.5	ug/L	0.469					
Mg	25	96.979012	46697.63	ug/L	1.11					
Al	27	97.979028	512503.9	ug/L	0.504					
Si	28	183168.59		ug/L						
P	31	5.669402	14987.23	ug/L	5.191					
S	32	71077292		ug/L						
Cl	35	7037548.2		ug/L						
K	39	999.29624	7858199	ug/L	20.686					
Ca	44	113.93924	54243.46	ug/L	4.694					
Sc	45	128413.93		ug/L						
Ti	47	100.44746	57823.56	ug/L	0.913					
Ti	48	101.16286	609996.9	ug/L	0.182					
V	51	96.586661	792441.8	ug/L	0.352					
ClO	51	798958.11		ug/L						
Cr	52	99.943369	652625.2	ug/L	0.336					
Cr	53	93.633555	86922.44	ug/L	0.162					
Fe	54	100.01458	128338.3	ug/L	3.358					
Mn	55	99.889062	1010941	ug/L	1.048					
Fe	56	135.10881	2975600	ug/L	1.975					
Fe	57	97.845775	26578.12	ug/L	1.828					
Co	59	100.3036	758878.1	ug/L	1.977					
Ni	60	98.715648	167330.3	ug/L	0.906					
Ni	62	97.210048	25151	ug/L	2.201					
Cu	63	98.799197	385032	ug/L	1.492					
Zn	64	94.497079	174075.4	ug/L	0.256					
Cu	65	99.206709	188103.7	ug/L	1.1					
Zn	66	96.170976	103278	ug/L	0.971					
Zn	68	98.307409	74872.83	ug/L	1.438					
Ge	72	124106.82		ug/L						
As	75	108.18507	137536.2	ug/L	1.735					
Se	74	11.001914	13407.66	mg/L	4.456					
ArCl	77	9386.938		ug/L						

Br	79	2776.785	ug/L			
Br	81	13666.735	ug/L			
Y	89	326628.55	ug/L			
Mo	95	101.36421	323377.5	ug/L	2.499	
Rh	103	330623.97	ug/L			
Ag	107	68.380931	633064.9	ug/L	2.211	
Ag	109	65.497105	588349.1	ug/L	1.137	
Cd	111	104.83915	253817.5	ug/L	0.945	
Cd	114	103.91209	593582.3	ug/L	1.019	
In	115	432360.08	ug/L			
Sb	121	95.347704	815492.9	ug/L	4.566	
Sb	123	96.416645	628322.2	ug/L	4.538	
Ba	137	103.56656	436406.5	ug/L	3.261	
Ba	138	102.79002	2802190	ug/L	1.339	
Tb	159	539844.37	ug/L			
Ho	165	529762.64	ug/L			
Hg	200	1.014547	2101.597	ug/L	0.002	
Hg	202	1.015535	2799.459	ug/L	0.014	
Tl	205	106.48305	2592670	ug/L	1.797	
Pb	208	100.76022	3407422	ug/L	2.39	
Bi	209	406327.6	ug/L			
Se	77	91.575453	9220.675	mg/L	1.731	
Se	78	97.779046	39600.13	mg/L	2.406	
Se	82	93.294817	12857.4	mg/L	0.71	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	92.654							
|	B	93.577							
|	B	92.784							
|	C								
|	Na	100.189							
|	Mg	97.628							
|	Mg	96.019							
|	Al	97.589							
|	Si								
|	P								
|	S								
|	Cl								
|	K	99.631							
|	Ca	112.923							
|>	Sc	98.071							
|	Ti	100.447							
|	Ti	101.163							
|	V	96.202							
|	ClO								
|	Cr	98.954							

	Cr	92.706
	Fe	99.418
	Mn	99.491
	Fe	134.303
	Fe	97.262
	Co	99.705
	Ni	97.932
	Ni	96.439
	Cu	98.898
	Zn	93.84
	Cu	99.306
	Zn	95.502
-	Zn	97.624
>	Ge	95.009
	As	108.838
	Se	10.98
	ArCl	
	Br	
	Br	
	Y	
-	Mo	101.061
-	Rh	
	Ag	67.838
	Ag	64.977
	Cd	104.318
	Cd	103.395
>	In	97.448
	Sb	95.063
	Sb	96.128
	Ba	102.847
-	Ba	102.075
-	Tb	
>	Ho	96.968
	Hg	101.455
	Hg	101.554
	Tl	106.483
	Pb	100.76
-	Bi	
	Se	91.393
	Se	97.584
	Se	93.109

Sample ID: QC Std 5
Sample Date/Time Friday August 26 2011 0:14:38
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.18427
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6144.745		ug/L						
Be	9	41.304423	10669.37	ug/L	2.238					
B	10	152.61482	8238.481	ug/L	6.56					
B	11	153.37587	37607.34	ug/L	5.992					
C	12	382732.14		ug/L						
Na	23	6.214863	46704.32	ug/L	0.254					
Mg	24	0.279339	1466.932	ug/L	0.011					
Mg	25	0.314836	233.36	ug/L	0.052					
Al	27	174.34137	910355	ug/L	5.582					
Si	28	95737.664		ug/L						
P	31	-0.046395	13491.36	ug/L	0.443					
S	32	71290279		ug/L						
Cl	35	6976506.2		ug/L						
K	39	2.590893	798594.3	ug/L	2.251					
Ca	44	15.66278	32293.82	ug/L	4.225					
Sc	45	128752.31		ug/L						
Ti	47	0.083689	185.67	ug/L	0.063					
Ti	48	0.001491	-2015.59	ug/L	0.018					
V	51	25.128284	222398.4	ug/L	0.765					
ClO	51	223994.85		ug/L						
Cr	52	49.42703	326602	ug/L	1.457					
Cr	53	47.389488	47510.3	ug/L	1.548					
Fe	54	182.75056	169110.7	ug/L	12.079					
Mn	55	106.91486	1084509	ug/L	2.588					
Fe	56	206.69451	3613755	ug/L	5.824					
Fe	57	176.8798	42500.07	ug/L	0.952					
Co	59	23.941207	181624.9	ug/L	0.475					
Ni	60	199.4283	338727.7	ug/L	7.275					
Ni	62	196.69696	50956.94	ug/L	7.968					
Cu	63	76.898943	300347.2	ug/L	3.057					
Zn	64	96.564996	178283.1	ug/L	2.132					
Cu	65	77.606537	147500.8	ug/L	1.951					
Zn	66	100.95072	108647.5	ug/L	1.626					
Zn	68	103.70701	79145.15	ug/L	2.468					
Ge	72	126212.76		ug/L						
As	75	44.010019	57207.11	ug/L	0.081					
Se	74	19.872601	15691.76	mg/L	5.797					
ArCl	77	14988.496		ug/L						

Br	79	2515.373	ug/L			
Br	81	13421.039	ug/L			
Y	89	337201.43	ug/L			
Mo	95	42.981785	139476	ug/L	1.226	
Rh	103	336779.54	ug/L			
Ag	107	52.757686	492027.4	ug/L	1.434	
Ag	109	52.208452	472350.4	ug/L	1.489	
Cd	111	23.720997	57839.99	ug/L	0.481	
Cd	114	23.492589	135183.5	ug/L	0.009	
In	115	435428.35	ug/L			
Sb	121	51.456479	443314.9	ug/L	0.318	
Sb	123	51.80547	340051	ug/L	0.703	
Ba	137	145.28568	616579.9	ug/L	2.917	
Ba	138	143.01751	3925724	ug/L	4.452	
Tb	159	548491.88	ug/L			
Ho	165	533778.78	ug/L			
Hg	200	1.07211	2235.631	ug/L	0.044	
Hg	202	1.066224	2960.512	ug/L	0.004	
Tl	205	14.668777	360040.9	ug/L	0.129	
Pb	208	103.54333	3528093	ug/L	1.549	
Bi	209	422125.48	ug/L			
Se	77	150.54581	14880.17	mg/L	0.925	
Se	78	161.59728	57601.56	mg/L	0.259	
Se	82	148.95684	20540.52	mg/L	1.384	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	96.959							
|	B	95.384							
|	B	95.86							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	99.058							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.329							
|	Ti								
|	Ti								
|	V	100.917							
|	ClO								
|	Cr	100.461							

|	Cr	96.32
|	Fe	102.095
|	Mn	100.863
|	Fe	115.472
|	Fe	98.816
|	Co	102.752
|	Ni	97.759
|	Ni	96.42
|	Cu	98.336
|	Zn	91.967
|	Cu	99.241
|	Zn	96.144
|-	Zn	98.769
|>	Ge	96.621
|	As	111.701
|	Se	12.42
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	102.582
|-	Rh	
|	Ag	104.886
|	Ag	103.794
|	Cd	102.246
|	Cd	101.261
|>	In	98.139
|	Sb	110.659
|	Sb	111.41
|	Ba	103.039
|-	Ba	101.431
|-	Tb	
|>	Ho	97.703
|	Hg	107.211
|	Hg	106.622
|	Tl	103.301
|	Pb	99.561
|-	Bi	
	Se	94.091
	Se	100.998
	Se	93.098

Sample ID: QC Std 6
Sample Date/Time Friday August 26 2011 0:21:47
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.18428
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6244.812		ug/L						
Be	9	0.003736	8	ug/L	0.008					
B	10	0.969096	93.668	ug/L	0.126					
B	11	1.061814	427.014	ug/L	0.119					
C	12	373977.45		ug/L						
Na	23	9837.0075	47251992	ug/L	531.545					
Mg	24	9704.4966	32554132	ug/L	431.647					
Mg	25	9895.968	4681745	ug/L	49.731					
Al	27	9969.7225	50834779	ug/L	568.523					
Si	28	53110.01		ug/L						
P	31	10154.175	2696410	ug/L	204.689					
S	32	65007156		ug/L						
Cl	35	1584212		ug/L						
K	39	9971.931	70279045	ug/L	251.19					
Ca	44	9938.1708	2219051	ug/L	351.599					
Sc	45	126391.48		ug/L						
Ti	47	24.989958	14259.32	ug/L	0.149					
Ti	48	8.296093	47463.57	ug/L	0.718					
V	51	-0.061529	20446.85	ug/L	0.029					
ClO	51	21022.496		ug/L						
Cr	52	-0.068017	5620.013	ug/L	0.022					
Cr	53	-0.354083	6498.388	ug/L	0.094					
Fe	54	9858.9803	4814861	ug/L	339.239					
Mn	55	0.079053	1648.833	ug/L	0.015					
Fe	56	9870.5239	87141253	ug/L	209.854					
Fe	57	10365.829	2048874	ug/L	574.591					
Co	59	0.031665	306.342	ug/L	0.002					
Ni	60	0.231613	436.015	ug/L	0.008					
Ni	62	0.063543	57.334	ug/L	0.002					
Cu	63	0.235271	1004.065	ug/L	0.003					
Zn	64	0.646522	2058.194	ug/L	0.003					
Cu	65	0.152366	334.009	ug/L	0.006					
Zn	66	0.584898	1167.42	ug/L	0.044					
Zn	68	0.57711	884.052	ug/L	0.026					
Ge	72	126722.45		ug/L						
As	75	0.089073	624.008	ug/L	0.033					
Se	74	-2.289193	10615.78	mg/L	3.713					
ArCl	77	266.007		ug/L						

Br	79	1701.176	ug/L				
Br	81	12217.66	ug/L				
Y	89	324313.25	ug/L				
Mo	95	0.209038	768.707	ug/L	0.028		
Rh	103	314503.75	ug/L				
Ag	107	0.222326	2510.71	ug/L	0.043		
Ag	109	0.218783	2369.668	ug/L	0.032		
Cd	111	0.010222	36.334	ug/L	0.001		
Cd	114	0.010837	86.668	ug/L	0.002		
In	115	419954.5	ug/L				
Sb	121	0.774116	7061.158	ug/L	0.075		
Sb	123	0.7692	5354.735	ug/L	0.098		
Ba	137	0.058243	286.341	ug/L	0.002		
Ba	138	0.05742	1752.187	ug/L	0.003		
Tb	159	542314.25	ug/L				
Ho	165	528913.9	ug/L				
Hg	200	0.011828	43.667	ug/L	0.002		
Hg	202	0.00886	46.334	ug/L	0.003		
Tl	205	0.006104	339.676	ug/L	0		
Pb	208	0.04261	1941.767	ug/L	0.002		
Bi	209	392359.01	ug/L				
Se	77	-1.528286	285.338	mg/L	0.236		
Se	78	-2.622045	11279.65	mg/L	1.009		
Se	82	0.516891	51.103	mg/L	0.076		

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	98.37							
|	Mg	97.045							
|	Mg	98.96							
|	Al	99.697							
|	Si								
|	P	101.542							
|	S								
|	Cl								
|	K	99.719							
|	Ca	99.382							
|>	Sc	96.526							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	98.59
|	Mn	
|	Fe	98.705
|	Fe	103.658
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	97.011
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	94.651
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	96.812
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Friday August 26 2011 0:29:02
Autosampl Position: 56
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18429
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6468.968		ug/L						
Be	9	0.00961	9.333	ug/L	0					
B	10	0.708239	78.334	ug/L	0.405					
B	11	0.956316	393.679	ug/L	0.02					
C	12	392030.26		ug/L						
Na	23	6.034028	44134.63	ug/L	0.144					
Mg	24	0.844016	3270.915	ug/L	0.008					
Mg	25	0.778139	440.055	ug/L	0.058					
Al	27	2.47765	16843.94	ug/L	0.04					
Si	28	59409.413		ug/L						
P	31	-0.540673	12860.38	ug/L	0.879					
S	32	67951560		ug/L						
Cl	35	8022756		ug/L						
K	39	6.766823	797703.8	ug/L	0.041					
Ca	44	16.618752	31313.63	ug/L	0.491					
Sc	45	123971.57		ug/L						
Ti	47	0.034971	151.336	ug/L	0.028					
Ti	48	0.004195	-1926.39	ug/L	0.007					
V	51	1.036074	28511.93	ug/L	0.08					
ClO	51	28997.807		ug/L						
Cr	52	-0.03978	5690.537	ug/L	0.011					
Cr	53	2.962082	9108.321	ug/L	0.441					
Fe	54	-1.228313	76167.93	ug/L	3.782					
Mn	55	0.024513	1086.742	ug/L	0.002					
Fe	56	-8.342857	1655159	ug/L	5.853					
Fe	57	2.593363	7266.964	ug/L	0.837					
Co	59	0.000399	72.334	ug/L	0.001					
Ni	60	0.049768	130.002	ug/L	0.007					
Ni	62	0.046516	52.001	ug/L	0.011					
Cu	63	0.115015	532.688	ug/L	0.005					
Zn	64	2.04745	4497.235	ug/L	0.019					
Cu	65	0.114076	257.673	ug/L	0.002					
Zn	66	2.113245	2721.435	ug/L	0.062					
Zn	68	2.109742	1987.237	ug/L	0.08					
Ge	72	124036.46		ug/L						
As	75	-0.043458	443.399	ug/L	0.109					
Se	74	5.498852	12149.33	mg/L	16.066					
ArCl	77	475.684		ug/L						

Br	79	1841.538	ug/L						
Br	81	12679.964	ug/L						
Y	89	325755.04	ug/L						
Mo	95	0.07906	338.01	ug/L	0.006				
Rh	103	322414.09	ug/L						
Ag	107	0.078313	1218.094	ug/L	0.008				
Ag	109	0.083726	1194.091	ug/L	0.009				
Cd	111	0.008194	31.667	ug/L	0.005				
Cd	114	0.008525	74.001	ug/L	0.001				
In	115	421010.81	ug/L						
Sb	121	0.280202	2968.181	ug/L	0.005				
Sb	123	0.288679	2320.429	ug/L	0.012				
Ba	137	0.023617	145.003	ug/L	0.001				
Ba	138	0.027376	958.802	ug/L	0.001				
Tb	159	536894.45	ug/L						
Ho	165	517728.87	ug/L						
Hg	200	0.005674	30.334	ug/L	0.001				
Hg	202	0.007435	41.667	ug/L	0				
Tl	205	0.004637	297.675	ug/L	0.001				
Pb	208	0.037338	1727.414	ug/L	0.002				
Bi	209	375697.21	ug/L						
Se	77	0.68079	497.347	mg/L	0.138				
Se	78	-3.374252	11067.47	mg/L	1.392				
Se	82	0.236901	12.456	mg/L	0.048				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.678							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.955
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.89
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.765
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Friday August 26 2011 0:35:47
Autosampl Position: 57
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18430
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6450.288		ug/L						
Be	9	-0.002545	6.333	ug/L	0.009					
B	10	0.223454	53.334	ug/L	0.187					
B	11	0.257549	230.005	ug/L	0.009					
C	12	371446.32		ug/L						
Na	23	1.429822	22493.37	ug/L	0.003					
Mg	24	0.164684	1036.83	ug/L	0.052					
Mg	25	0.037826	96.677	ug/L	0.032					
Al	27	0.096667	4941.837	ug/L	0.017					
Si	28	49472.52		ug/L						
P	31	-0.908718	12800.29	ug/L	1.161					
S	32	67810528		ug/L						
Cl	35	7255001.7		ug/L						
K	39	3.191461	775317.6	ug/L	0.084					
Ca	44	11.83667	30360.31	ug/L	0.704					
Sc	45	124302.72		ug/L						
Ti	47	0.021194	144.003	ug/L	0.034					
Ti	48	-0.047051	-2231.63	ug/L	0.004					
V	51	1.110516	29162.67	ug/L	0.085					
ClO	51	29582.354		ug/L						
Cr	52	-0.033204	5746.713	ug/L	0.004					
Cr	53	3.137291	9277.825	ug/L	0.168					
Fe	54	-8.841253	72769.95	ug/L	4.447					
Mn	55	-0.005784	793.043	ug/L	0.001					
Fe	56	-6.735409	1673430	ug/L	3.61					
Fe	57	-2.210136	6356.191	ug/L	0.914					
Co	59	-0.002266	53.001	ug/L	0.001					
Ni	60	0.011549	67.668	ug/L	0.002					
Ni	62	0.024714	46.667	ug/L	0.024					
Cu	63	0.004949	119.002	ug/L	0.002					
Zn	64	0.074705	1010.01	ug/L	0.021					
Cu	65	0.009594	66.668	ug/L	0.003					
Zn	66	0.048115	593.692	ug/L	0.01					
Zn	68	0.049003	482.684	ug/L	0.022					
Ge	72	124867.73		ug/L						
As	75	-0.096476	379.074	ug/L	0.13					
Se	74	15.506104	14516.63	mg/L	11.018					
ArCl	77	473.35		ug/L						

Br	79	2136.939	ug/L						
Br	81	12816.823	ug/L						
Y	89	325180.92	ug/L						
Mo	95	0.024732	166.003	ug/L	0.001				
Rh	103	327968.27	ug/L						
Ag	107	0.004023	556.689	ug/L	0.004				
Ag	109	0.006338	525.02	ug/L	0.005				
Cd	111	0.001605	16.334	ug/L	0.001				
Cd	114	0.000163	28	ug/L	0.001				
In	115	427610.78	ug/L						
Sb	121	0.111145	1585.821	ug/L	0.005				
Sb	123	0.10867	1198.068	ug/L	0.001				
Ba	137	0.003993	65.668	ug/L	0.003				
Ba	138	0.003045	317.586	ug/L	0				
Tb	159	537908.76	ug/L						
Ho	165	522116.1	ug/L						
Hg	200	0.002251	23.667	ug/L	0.001				
Hg	202	0.000132	22.334	ug/L	0.002				
Tl	205	0.00042	199.004	ug/L	0				
Pb	208	-0.000487	481.343	ug/L	0				
Bi	209	393736.51	ug/L						
Se	77	0.527959	482.68	mg/L	0.354				
Se	78	-3.993801	10892.71	mg/L	0.942				
Se	82	0.249203	14.154	mg/L	0.03				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.931							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.591
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.377
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.568
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	Soil	BLK							
Sample	Date/Time	Friday	August	26	2011	0:42:32				
Autosampl	Position:	58								
Sample	Description	1:25								
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\	BLK.18431							
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6753.174		ug/L						
Be	9	0.007522	8.667	ug/L	0.016					
B	10	0.189093	50.667	ug/L	0.121					
B	11	0.149305	201.004	ug/L	0.003					
C	12	370516.25		ug/L						
Na	23	6.86745	47357.82	ug/L	0.435					
Mg	24	0.769762	2980.79	ug/L	0.123					
Mg	25	0.647338	373.379	ug/L	0.194					
Al	27	0.30215	5872.485	ug/L	0.046					
Si	28	50515.026		ug/L						
P	31	1.054497	13080.71	ug/L	1.622					
S	32	67493926		ug/L						
Cl	35	16613715		ug/L						
K	39	7.177343	788882.3	ug/L	2.422					
Ca	44	31.471613	34023.62	ug/L	4.343					
Sc	45	122183.65		ug/L						
Ti	47	0.021359	141.669	ug/L	0.007					
Ti	48	-0.059873	-2267.01	ug/L	0.011					
V	51	3.269395	45077.4	ug/L	0.236					
ClO	51	46179.262		ug/L						
Cr	52	0.045665	6133.687	ug/L	0.017					
Cr	53	9.875919	14601.54	ug/L	0.499					
Fe	54	-1.367054	75007.47	ug/L	0.2					
Mn	55	0.026321	1088.076	ug/L	0.007					
Fe	56	-6.980182	1642567	ug/L	4.667					
Fe	57	-1.468742	6389.55	ug/L	0.147					
Co	59	-0.002274	52.001	ug/L	0.002					
Ni	60	0.024062	86.668	ug/L	0.003					
Ni	62	0.006273	41.334	ug/L	0.017					
Cu	63	0.022078	180.337	ug/L	0.006					
Zn	64	0.765622	2197.561	ug/L	0.018					
Cu	65	0.024109	91.668	ug/L	0.003					
Zn	66	0.797311	1345.113	ug/L	0.027					
Zn	68	0.76224	988.397	ug/L	0.057					
Ge	72	123702.68		ug/L						
As	75	-0.084886	390.06	ug/L	0.062					
Se	74	9.202339	12949.03	mg/L	10.057					
ArCl	77	869.717		ug/L						

Br	79	2647.412	ug/L				
Br	81	13664.064	ug/L				
Y	89	326460.07	ug/L				
Mo	95	0.025399	166.67	ug/L	0.004		
Rh	103	323471.32	ug/L				
Ag	107	0.002237	540.688	ug/L	0.005		
Ag	109	0.007048	531.688	ug/L	0.007		
Cd	111	0.000897	14.667	ug/L	0.001		
Cd	114	0.001539	35.667	ug/L	0		
In	115	427471.43	ug/L				
Sb	121	0.123962	1694.175	ug/L	0.005		
Sb	123	0.122493	1286.505	ug/L	0		
Ba	137	0.009962	90.335	ug/L	0.001		
Ba	138	0.011972	558.239	ug/L	0.001		
Tb	159	546015.26	ug/L				
Ho	165	525739.2	ug/L				
Hg	200	0.000849	21	ug/L	0.003		
Hg	202	0.000574	23.667	ug/L	0.003		
Tl	205	0.001374	223.338	ug/L	0.001		
Pb	208	0.007211	743.019	ug/L	0.001		
Bi	209	382408.22	ug/L				
Se	77	4.862894	898.711	mg/L	0.157		
Se	78	-2.322177	11364.23	mg/L	0.38		
Se	82	-0.028073	-24.119	mg/L	0.079		

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.312							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.7
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.346
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.231
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: Soil LCS
Sample Date/Time Friday August 26 2011 0:49:18
Autosampl Position: 59
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ LCS.18432
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6890.611		ug/L						
Be	9	36.683818	9270.817	ug/L	0.182					
B	10	0.165747	51.001	ug/L	0.028					
B	11	0.182554	215.005	ug/L	0.009					
C	12	397103.7		ug/L						
Na	23	377.2252	1821009	ug/L	0.393					
Mg	24	372.03074	1243971	ug/L	4.414					
Mg	25	379.61479	178938.6	ug/L	7.408					
Al	27	376.11751	1915537	ug/L	4.338					
Si	28	53686.94		ug/L						
P	31	349.2425	105124.9	ug/L	7.137					
S	32	65962720		ug/L						
Cl	35	16620866		ug/L						
K	39	383.99073	3429390	ug/L	3.833					
Ca	44	410.61173	118323.7	ug/L	13.44					
Sc	45	125866.68		ug/L						
Ti	47	0.904959	643.363	ug/L	0.037					
Ti	48	0.34553	68.242	ug/L	0.012					
V	51	37.401244	313538	ug/L	0.292					
ClO	51	320712.02		ug/L						
Cr	52	35.27475	229675.8	ug/L	0.007					
Cr	53	42.596893	42447.64	ug/L	0.758					
Fe	54	399.2667	269032.9	ug/L	8.351					
Mn	55	35.293521	350670.8	ug/L	0.291					
Fe	56	422.61251	5393844	ug/L	7.461					
Fe	57	402.26992	85730.95	ug/L	7.844					
Co	59	35.447576	262924	ug/L	0.278					
Ni	60	33.91705	56384.89	ug/L	0.324					
Ni	62	33.669052	8565.452	ug/L	0.151					
Cu	63	34.44125	131628.4	ug/L	0.124					
Zn	64	34.206011	62328.93	ug/L	0.029					
Cu	65	34.55655	64255.59	ug/L	0.036					
Zn	66	35.246642	37450.37	ug/L	0.603					
Zn	68	36.3431	27416.22	ug/L	0.215					
Ge	72	126745.45		ug/L						
As	75	34.574763	45241.32	ug/L	0.004					
Se	74	-0.200141	11095.3	mg/L	8.665					
ArCl	77	4048.608		ug/L						

Br	79	5075.801	ug/L			
Br	81	16317.462	ug/L			
Y	89	326919.79	ug/L			
Mo	95	34.806116	113437.5	ug/L	0.02	
Rh	103	328077.95	ug/L			
Ag	107	38.055603	356478.4	ug/L	0.261	
Ag	109	37.70811	342648.4	ug/L	0.342	
Cd	111	35.089402	85888	ug/L	0.16	
Cd	114	34.722544	200534.3	ug/L	0.001	
In	115	437049.84	ug/L			
Sb	121	38.187355	330408.8	ug/L	0.164	
Sb	123	38.676164	254980.4	ug/L	0.253	
Ba	137	34.732679	148016.7	ug/L	0.041	
Ba	138	34.737008	957527.8	ug/L	0.206	
Tb	159	548172.01	ug/L			
Ho	165	535756.22	ug/L			
Hg	200	0.358297	763.04	ug/L	0.019	
Hg	202	0.359888	1017.734	ug/L	0.013	
Tl	205	34.164453	841385.5	ug/L	0.618	
Pb	208	34.753917	1189099	ug/L	0.013	
Bi	209	402357.33	ug/L			
Se	77	37.256134	4007.55	mg/L	0.491	
Se	78	32.087284	21070.23	mg/L	1.532	
Se	82	31.786444	4367.293	mg/L	0.365	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.125							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.029
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.505
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.065
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: Soil QC
Sample Date/Time Friday August 26 2011 0:56:04
Autosampl Position: 60
Sample Descriptior 1:50
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ QC.18433
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6853.251		ug/L						
Be	9	17.673321	4799.315	ug/L	0.738					
B	10	36.117949	2082.926	ug/L	0.559					
B	11	36.818412	9623.521	ug/L	0.534					
C	12	424360.26		ug/L						
Na	23	242.92824	1265441	ug/L	6.144					
Mg	24	1003.2199	3602739	ug/L	3.16					
Mg	25	979.74738	495681.9	ug/L	42.969					
Al	27	3359.7705	18337913	ug/L	66.273					
Si	28	172189.57		ug/L						
P	31	173.81007	63285.87	ug/L	10.46					
S	32	64604207		ug/L						
Cl	35	9247656.4		ug/L						
K	39	1137.9136	9307340	ug/L	4.986					
Ca	44	2102.8396	526184	ug/L	52.713					
Sc	45	135209.05		ug/L						
Ti	47	158.9769	96250.14	ug/L	3.437					
Ti	48	160.62607	1020780	ug/L	3.321					
V	51	30.309306	277106	ug/L	0.792					
ClO	51	280850.19		ug/L						
Cr	52	19.517147	139346.5	ug/L	0.648					
Cr	53	23.229743	28160.5	ug/L	0.981					
Fe	54	5062.7345	2686489	ug/L	51.918					
Mn	55	107.45334	1144547	ug/L	3.251					
Fe	56	5109.9303	49162513	ug/L	150.758					
Fe	57	5080.1087	1076693	ug/L	186.064					
Co	59	20.352218	162126.5	ug/L	0.663					
Ni	60	22.770284	40660.81	ug/L	0.887					
Ni	62	23.637486	6469.366	ug/L	1.006					
Cu	63	14.913014	61248.3	ug/L	0.74					
Zn	64	82.695267	160414.2	ug/L	4.118					
Cu	65	14.838835	29658.6	ug/L	0.457					
Zn	66	84.073798	95106.85	ug/L	2.327					
Zn	68	85.725791	68772.54	ug/L	3.576					
Ge	72	125801.86		ug/L						
As	75	25.901542	33767.55	ug/L	0.102					
Se	74	9.704123	13287.38	mg/L	8.596					
ArCl	77	4567.86		ug/L						

Br	79	4126.311	ug/L						
Br	81	14991.169	ug/L						
Y	89	386613.87	ug/L						
Mo	95	13.279684	43008.26	ug/L	0.185				
Rh	103	328571.7	ug/L						
Ag	107	12.189287	113859.7	ug/L	0.301				
Ag	109	12.09643	109592.7	ug/L	0.277				
Cd	111	59.109996	143822.2	ug/L	1.123				
Cd	114	60.491554	347237.9	ug/L	1.987				
In	115	434540.31	ug/L						
Sb	121	53.756524	462133.6	ug/L	0.695				
Sb	123	54.286232	355561.1	ug/L	1.245				
Ba	137	80.658351	341605.9	ug/L	2.535				
Ba	138	80.277883	2199379	ug/L	1.928				
Tb	159	551264.69	ug/L						
Ho	165	542909.53	ug/L						
Hg	200	0.69485	1481.802	ug/L	0.029				
Hg	202	0.700471	1985.903	ug/L	0.011				
Tl	205	64.944177	1620575	ug/L	1.109				
Pb	208	24.93724	864658	ug/L	0.414				
Bi	209	399122.18	ug/L						
Se	77	42.482336	4509.118	mg/L	0.138				
Se	78	41.073244	23604.93	mg/L	0.518				
Se	82	41.527566	5711.876	mg/L	0.493				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.26							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.307
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.939
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.374
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: Soil Ag LCS
Sample Date/Time Friday August 26 2011 1:02:51
Autosampl Position: 61
Sample Descriptior 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Ag LCS.18434
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6934.644		ug/L						
Be	9	-0.002581	6.333	ug/L	0.01					
B	10	0.325085	59.001	ug/L	0.081					
B	11	0.342646	251.339	ug/L	0.077					
C	12	391319.22		ug/L						
Na	23	7.324237	50635.7	ug/L	0.035					
Mg	24	0.448276	1983.748	ug/L	0.031					
Mg	25	0.37014	253.362	ug/L	0.152					
Al	27	0.987633	9465.872	ug/L	0.007					
Si	28	52174.511		ug/L						
P	31	3.719735	14062.4	ug/L	9.042					
S	32	63320527		ug/L						
Cl	35	18390439		ug/L						
K	39	0.549689	761392.7	ug/L	1.833					
Ca	44	30.985651	34706.26	ug/L	1.584					
Sc	45	125008.41		ug/L						
Ti	47	0.158118	221.338	ug/L	0.018					
Ti	48	0.059258	-1618.44	ug/L	0.006					
V	51	4.129035	52802.22	ug/L	0.164					
ClO	51	53882.242		ug/L						
Cr	52	-0.047106	5690.579	ug/L	0.025					
Cr	53	12.357345	17005.07	ug/L	0.542					
Fe	54	0.514791	77623.66	ug/L	3.285					
Mn	55	0.03855	1233.429	ug/L	0.007					
Fe	56	-22.626403	1547025	ug/L	2.415					
Fe	57	-0.841121	6659.772	ug/L	0.279					
Co	59	-0.001096	62.001	ug/L	0.001					
Ni	60	0.099043	212.338	ug/L	0.004					
Ni	62	0.090909	63.668	ug/L	0.035					
Cu	63	0.044845	271.007	ug/L	0.001					
Zn	64	1.010439	2685.261	ug/L	0.022					
Cu	65	0.045046	132.336	ug/L	0.008					
Zn	66	0.986826	1573.485	ug/L	0.043					
Zn	68	1.07596	1242.097	ug/L	0.017					
Ge	72	121958.02		ug/L						
As	75	-0.150894	302.169	ug/L	0.035					
Se	74	22.675375	15784.41	mg/L	1.94					
ArCl	77	956.727		ug/L						

Br	79	2639.743	ug/L						
Br	81	13259.467	ug/L						
Y	89	323919.26	ug/L						
Mo	95	0.078719	331.009	ug/L	0.014				
Rh	103	325291.63	ug/L						
Ag	107	9.447235	87002.87	ug/L	0.295				
Ag	109	9.389518	83865.9	ug/L	0.252				
Cd	111	0.001316	15.667	ug/L	0.001				
Cd	114	0.017905	128.002	ug/L	0.003				
In	115	427944.8	ug/L						
Sb	121	0.151122	1924.223	ug/L	0.012				
Sb	123	0.150112	1465.243	ug/L	0.007				
Ba	137	0.04851	250.673	ug/L	0.009				
Ba	138	0.049146	1560.92	ug/L	0.003				
Tb	159	533223.34	ug/L						
Ho	165	520967.93	ug/L						
Hg	200	0.004582	28.334	ug/L	0.002				
Hg	202	0.00263	29	ug/L	0.001				
Tl	205	0.037048	1076.409	ug/L	0.01				
Pb	208	0.015713	1019.032	ug/L	0				
Bi	209	398725.71	ug/L						
Se	77	5.640981	973.386	mg/L	0.668				
Se	78	-3.961976	10901.69	mg/L	0.26				
Se	82	0.183317	5.06	mg/L	0.42				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.47							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.364
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.452
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.358
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Friday August 26 2011 1:09:37
Autosampl Position: 62
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18435
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6494.32		ug/L						
Be	9	0.028371	13.667	ug/L	0.004					
B	10	0.35379	58.334	ug/L	0.243					
B	11	0.408435	258.34	ug/L	0.004					
C	12	373591.92		ug/L						
Na	23	3.866137	33046.68	ug/L	0.57					
Mg	24	0.733361	2830.726	ug/L	0.108					
Mg	25	0.545028	323.371	ug/L	0.048					
Al	27	4.316295	25387.95	ug/L	0.241					
Si	28	52754.552		ug/L						
P	31	0.437455	12786.93	ug/L	1.114					
S	32	65867739		ug/L						
Cl	35	7280747.3		ug/L						
K	39	5.548883	769698.1	ug/L	2.147					
Ca	44	29.464574	33233.96	ug/L	6.295					
Sc	45	120908.28		ug/L						
Ti	47	0.084132	174.003	ug/L	0.023					
Ti	48	-0.011477	-1966.86	ug/L	0.017					
V	51	2.375345	37865.74	ug/L	0.121					
ClO	51	38441.154		ug/L						
Cr	52	-0.036709	5567.748	ug/L	0.011					
Cr	53	6.819493	11985.68	ug/L	0.211					
Fe	54	-0.467186	74636.71	ug/L	0.374					
Mn	55	0.032833	1137.749	ug/L	0.012					
Fe	56	-12.050008	1582990	ug/L	6.778					
Fe	57	-0.265018	6546.344	ug/L	1.356					
Co	59	0.003545	93.001	ug/L	0					
Ni	60	0.062178	146.336	ug/L	0.014					
Ni	62	0.07456	57.667	ug/L	0.047					
Cu	63	0.069102	350.677	ug/L	0.009					
Zn	64	1.520131	3475.533	ug/L	0.038					
Cu	65	0.072599	177.004	ug/L	0.013					
Zn	66	1.532325	2068.59	ug/L	0.126					
Zn	68	1.606444	1579.486	ug/L	0.005					
Ge	72	122608.08		ug/L						
As	75	-0.108381	355.753	ug/L	0.076					
Se	74	13.012681	13681.53	mg/L	10.459					
ArCl	77	523.02		ug/L						

Br	79	1464.133	ug/L						
Br	81	12196.632	ug/L						
Y	89	321311.99	ug/L						
Mo	95	0.129608	493.685	ug/L	0.009				
Rh	103	324261.87	ug/L						
Ag	107	0.163223	1995.239	ug/L	0.014				
Ag	109	0.161777	1887.882	ug/L	0.011				
Cd	111	0.006992	29	ug/L	0				
Cd	114	0.011113	89.001	ug/L	0.002				
In	115	423699.75	ug/L						
Sb	121	0.203613	2345.659	ug/L	0.009				
Sb	123	0.203064	1788.97	ug/L	0.004				
Ba	137	0.016058	114.669	ug/L	0.002				
Ba	138	0.016783	681.866	ug/L	0				
Tb	159	538104.3	ug/L						
Ho	165	524757.12	ug/L						
Hg	200	0.002506	24.334	ug/L	0.003				
Hg	202	0.001334	25.667	ug/L	0.003				
Tl	205	0.021213	701.367	ug/L	0.001				
Pb	208	0.034948	1670.743	ug/L	0				
Bi	209	386529.54	ug/L						
Se	77	0.847515	513.348	mg/L	0.059				
Se	78	-2.911758	11197.93	mg/L	0.328				
Se	82	0.15411	1.028	mg/L	0.379				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.338							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.862
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.496
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.052
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Friday August 26 2011 1:16:22
Autosampl Position: 63
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18436
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6802.545		ug/L						
Be	9	-0.000015	7	ug/L	0.017					
B	10	-0.038942	40	ug/L	0.108					
B	11	0.074422	188.004	ug/L	0.068					
C	12	367557.64		ug/L						
Na	23	0.063319	16135.92	ug/L	0.016					
Mg	24	0.075282	746.773	ug/L	0.063					
Mg	25	0.043581	100.011	ug/L	0.04					
Al	27	0.030389	4638.313	ug/L	0.007					
Si	28	47089.676		ug/L						
P	31	-1.824956	12640.06	ug/L	2.766					
S	32	67646470		ug/L						
Cl	35	7124612.6		ug/L						
K	39	1.392257	767746.3	ug/L	0.729					
Ca	44	16.333435	31531.07	ug/L	0.919					
Sc	45	125079.93		ug/L						
Ti	47	0.021284	145.003	ug/L	0.018					
Ti	48	-0.054245	-2287.92	ug/L	0					
V	51	1.848466	35085.93	ug/L	0.024					
ClO	51	35816.107		ug/L						
Cr	52	-0.040315	5737.878	ug/L	0.02					
Cr	53	5.403965	11223.04	ug/L	0.069					
Fe	54	-11.370793	72027.81	ug/L	1.045					
Mn	55	-0.001687	838.38	ug/L	0.001					
Fe	56	-14.558241	1616832	ug/L	3.505					
Fe	57	-3.375443	6169.376	ug/L	0.554					
Co	59	-0.00245	52.001	ug/L	0.001					
Ni	60	0.008261	62.668	ug/L	0.007					
Ni	62	-0.02818	33.667	ug/L	0.006					
Cu	63	0.007484	129.336	ug/L	0.003					
Zn	64	0.096545	1055.192	ug/L	0.024					
Cu	65	0.012086	71.668	ug/L	0.003					
Zn	66	0.066627	616.694	ug/L	0.004					
Zn	68	0.113571	533.354	ug/L	0.01					
Ge	72	122367.39		ug/L						
As	75	-0.08772	381.841	ug/L	0.027					
Se	74	18.499543	14901.22	mg/L	11.791					
ArCl	77	503.019		ug/L						

Br	79	1739.851	ug/L						
Br	81	12880.248	ug/L						
Y	89	322442.76	ug/L						
Mo	95	0.018249	142.336	ug/L	0.004				
Rh	103	322815.62	ug/L						
Ag	107	0.001438	524.354	ug/L	0.009				
Ag	109	0.0038	494.685	ug/L	0.004				
Cd	111	0.003405	20.334	ug/L	0.001				
Cd	114	0.00296	43.001	ug/L	0				
In	115	420726.11	ug/L						
Sb	121	0.00974	718.036	ug/L	0.002				
Sb	123	0.00849	544.168	ug/L	0				
Ba	137	0.0021	56.667	ug/L	0				
Ba	138	0.002549	299.254	ug/L	0.001				
Tb	159	535244.98	ug/L						
Ho	165	526100.83	ug/L						
Hg	200	-0.000797	17.667	ug/L	0.001				
Hg	202	0.001772	27	ug/L	0.001				
Tl	205	0.006324	343.343	ug/L	0				
Pb	208	0.000022	502.01	ug/L	0				
Bi	209	386577.48	ug/L						
Se	77	0.138936	445.344	mg/L	0.039				
Se	78	-3.447849	11046.71	mg/L	0.288				
Se	82	-0.00113	-20.4	mg/L	0.123				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.524							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.677
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.825
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.298
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102557.01
Sample Date/Time Friday August 26 2011 1:23:07
Autosampl Position: 64
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102557.01.18437
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6966.669		ug/L						
Be	9	0.164873	50.334	ug/L	0.005					
B	10	6.959937	421.681	ug/L	0.393					
B	11	6.861194	1870.545	ug/L	0.168					
C	12	1920700.2		ug/L						
Na	23	375.42143	1873786	ug/L	2.348					
Mg	24	2148.2223	7424049	ug/L	14.735					
Mg	25	2156.4814	1050544	ug/L	23.429					
Al	27	6030.5076	31683136	ug/L	96.141					
Si	28	5890143.9		ug/L						
P	31	8333.8793	2281540	ug/L	123.978					
S	32	65703682		ug/L						
Cl	35	16170780		ug/L						
K	39	912.08809	7336983	ug/L	1.125					
Ca	44	138801.26	31546071	ug/L	2497.517					
Sc	45	130131.43		ug/L						
Ti	47	117.92104	68767.13	ug/L	0.112					
Ti	48	220.36082	1348912	ug/L	12.592					
V	51	8.994503	94322.09	ug/L	0.115					
ClO	51	95364.948		ug/L						
Cr	52	9.623178	69313.17	ug/L	0.137					
Cr	53	19.155456	23585.46	ug/L	0.546					
Fe	54	3919.0962	2019982	ug/L	26.031					
Mn	55	76.744234	787306.8	ug/L	0.019					
Fe	56	3830.1748	35932630	ug/L	111.55					
Fe	57	4337.2239	886172.5	ug/L	19.795					
Co	59	1.279107	9879.131	ug/L	0.013					
Ni	60	8.927333	15381.49	ug/L	0.016					
Ni	62	6.986562	1871.211	ug/L	0.08					
Cu	63	190.91193	753876.3	ug/L	1.355					
Zn	64	369.72039	687508	ug/L	1.269					
Cu	65	191.93385	368746.9	ug/L	0.301					
Zn	66	384.2273	416440.5	ug/L	2.03					
Zn	68	387.81303	297945.6	ug/L	4.44					
Ge	72	123568.81		ug/L						
As	75	3.809055	5300.988	ug/L	0.11					
Se	74	17.483844	14821.9	mg/L	1.437					
ArCl	77	1582.154		ug/L						

Br	79	11256.838	ug/L						
Br	81	23111.02	ug/L						
Y	89	366168.85	ug/L						
Mo	95	4.092317	13079.2	ug/L	0.077				
Rh	103	314725.28	ug/L						
Ag	107	5.095688	47541.15	ug/L	0.002				
Ag	109	5.042918	45611.26	ug/L	0.047				
Cd	111	0.723522	1759.188	ug/L	0.009				
Cd	114	1.192373	6817.957	ug/L	0.028				
In	115	431137.6	ug/L						
Sb	121	1.237555	11194	ug/L	0.006				
Sb	123	1.241129	8556.67	ug/L	0.021				
Ba	137	124.72788	524165.2	ug/L	1.469				
Ba	138	123.63839	3360895	ug/L	1.767				
Tb	159	541633.77	ug/L						
Ho	165	537491.97	ug/L						
Hg	200	0.648563	1370.117	ug/L	0.014				
Hg	202	0.615624	1730.849	ug/L	0.005				
Tl	205	0.043433	1267.434	ug/L	0				
Pb	208	16.868155	579271.1	ug/L	0.057				
Bi	209	747416.85	ug/L						
Se	77	12.088226	1592.14	mg/L	0.668				
Se	78	-2.281148	11375.81	mg/L	0.009				
Se	82	2.202671	283.795	mg/L	0.329				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.382							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.597
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.172
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.383
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102579.01
Sample Date/Time Friday August 26 2011 1:29:53
Autosampl Position: 65
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102579.01.18438
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8042.227		ug/L						
Be	9	0.420807	136.669	ug/L	0.008					
B	10	10.26239	701.034	ug/L	0.373					
B	11	10.217436	3148.577	ug/L	0.124					
C	12	711647.38		ug/L						
Na	23	374.3847	2180016	ug/L	4.988					
Mg	24	3675.4801	14818144	ug/L	47.264					
Mg	25	3488.9489	1982721	ug/L	61.529					
Al	27	14011.57	85865810	ug/L	309.918					
Si	28	1322729.7		ug/L						
P	31	775.39477	262121.8	ug/L	1.435					
S	32	64848854		ug/L						
Cl	35	11027610		ug/L						
K	39	3089.6804	26802211	ug/L	11.034					
Ca	44	9036.6069	2427147	ug/L	362.065					
Sc	45	151832.29		ug/L						
Ti	47	405.5215	275480	ug/L	7.663					
Ti	48	423.88983	3028781	ug/L	14.625					
V	51	25.541762	266241.5	ug/L	0.251					
ClO	51	269567.66		ug/L						
Cr	52	75.749709	586541	ug/L	1.01					
Cr	53	72.003898	80918.39	ug/L	0.05					
Fe	54	102811.18	59437881	ug/L	3442.978					
Mn	55	796.62595	9523566	ug/L	18.424					
Fe	56	S	S	ug/L	S					
Fe	57	110356.24	26107136	ug/L	857.613					
Co	59	13.000114	116364.2	ug/L	0.079					
Ni	60	45.180223	90578.27	ug/L	0.291					
Ni	62	47.060547	14420.24	ug/L	0.767					
Cu	63	87.772245	404443.9	ug/L	0.411					
Zn	64	2146.6561	4651380	ug/L	46.822					
Cu	65	88.394509	198156.7	ug/L	1.034					
Zn	66	2185.6259	2760299	ug/L	42.59					
Zn	68	2159.9999	1933477	ug/L	27.751					
Ge	72	139760.83		ug/L						
As	75	15.897988	23238.05	ug/L	0.655					
Se	74	-97.287825	-12602.3	mg/L	21.446					
ArCl	77	657.697		ug/L						

Br	79	7716.017	ug/L						
Br	81	18347.012	ug/L						
Y	89	496549.63	ug/L						
Mo	95	3.259351	11801.44	ug/L	0.002				
Rh	103	308896.28	ug/L						
Ag	107	0.747739	7102.178	ug/L	0.014				
Ag	109	0.686278	6329.934	ug/L	0.02				
Cd	111	12.860302	29713.45	ug/L	0.053				
Cd	114	16.036564	87416.18	ug/L	0.127				
In	115	412434.92	ug/L						
Sb	121	3.4458	28703.53	ug/L	0.012				
Sb	123	3.469265	22021.49	ug/L	0.031				
Ba	137	524.30347	2107865	ug/L	0.597				
Ba	138	516.14098	13422609	ug/L	3.346				
Tb	159	551630.14	ug/L						
Ho	165	531713.1	ug/L						
Hg	200	0.492862	1034.736	ug/L	0.004				
Hg	202	0.494872	1380.785	ug/L	0.006				
Tl	205	0.198325	5039.113	ug/L	0.003				
Pb	208	699.94025	23757442	ug/L	11.891				
Bi	209	383126.21	ug/L						
Se	77	1.611677	586.686	mg/L	0.982				
Se	78	-6.244725	10257.79	mg/L	0.111				
Se	82	0.679905	73.605	mg/L	0.548				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	115.955							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	106.993
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.957
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.325
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Friday August 26 2011 1:36:34
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.18439
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6693.13		ug/L						
Be	9	0.000425	7	ug/L	0.006					
B	10	0.180974	50.667	ug/L	0.128					
B	11	0.25556	227.338	ug/L	0.004					
C	12	374581.6		ug/L						
Na	23	0.957628	20067.48	ug/L	0.186					
Mg	24	0.413377	1840.37	ug/L	0.003					
Mg	25	0.372525	250.028	ug/L	0.01					
Al	27	0.815089	8464.796	ug/L	0.13					
Si	28	54867.251		ug/L						
P	31	6.795409	14659.94	ug/L	0.052					
S	32	69125868		ug/L						
Cl	35	6843348.8		ug/L						
K	39	2.010005	759847.7	ug/L	0.137					
Ca	44	4.08767	28403.81	ug/L	0.673					
Sc	45	123109.3		ug/L						
Ti	47	0.115037	194.337	ug/L	0.035					
Ti	48	0.113758	-1277.49	ug/L	0.027					
V	51	1.563887	32354.8	ug/L	0.004					
ClO	51	33157.693		ug/L						
Cr	52	-0.174341	4816.38	ug/L	0.016					
Cr	53	4.351321	10183.8	ug/L	0.257					
Fe	54	2.043193	77172.43	ug/L	5.247					
Mn	55	0.019726	1032.736	ug/L	0.01					
Fe	56	-28.10482	1477183	ug/L	0.233					
Fe	57	6.736481	8011.01	ug/L	3.85					
Co	59	-0.003026	47.001	ug/L	0.001					
Ni	60	0.011122	66.334	ug/L	0.006					
Ni	62	-0.011232	37.334	ug/L	0.004					
Cu	63	0.019184	171.003	ug/L	0.007					
Zn	64	0.214854	1246.423	ug/L	0.04					
Cu	65	0.023529	91.335	ug/L	0.005					
Zn	66	0.204071	747.705	ug/L	0.059					
Zn	68	0.219333	601.693	ug/L	0.054					
Ge	72	118873.49		ug/L						
As	75	-0.153409	291.13	ug/L	0.017					
Se	74	4.399011	11412.83	mg/L	2.011					
ArCl	77	450.016		ug/L						

Br	79	2092.262	ug/L						
Br	81	13174.34	ug/L						
Y	89	319403.36	ug/L						
Mo	95	0.027996	168.003	ug/L	0.002				
Rh	103	315926.45	ug/L						
Ag	107	0.002853	524.687	ug/L	0.012				
Ag	109	0.004316	487.351	ug/L	0.009				
Cd	111	0.001584	15.667	ug/L	0.001				
Cd	114	0.019559	132.002	ug/L	0.008				
In	115	410408.8	ug/L						
Sb	121	-0.003409	593.692	ug/L	0.001				
Sb	123	-0.004394	451.204	ug/L	0.001				
Ba	137	0.022775	138.002	ug/L	0.006				
Ba	138	0.025766	893.083	ug/L	0.005				
Tb	159	529835.29	ug/L						
Ho	165	514650.71	ug/L						
Hg	200	0.001921	22.667	ug/L	0.001				
Hg	202	-0.000253	21	ug/L	0.001				
Tl	205	0.002699	250.006	ug/L	0.001				
Pb	208	0.038572	1757.419	ug/L	0.004				
Bi	209	394737.54	ug/L						
Se	77	0.583534	488.013	mg/L	0				
Se	78	-3.642588	10991.78	mg/L	0.239				
Se	82	0.208675	8.56	mg/L	0.592				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.019							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	91.003
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.5
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.202
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Friday August 26 2011 1:43:43
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.1844
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6686.458		ug/L						
Be	9	107.35084	26092.65	ug/L	2.226					
B	10	100.58567	5124.829	ug/L	0.818					
B	11	102.30198	23666.34	ug/L	0.474					
C	12	381028.49		ug/L						
Na	23	103.58102	492347.7	ug/L	0.933					
Mg	24	101.17655	325914.7	ug/L	0.533					
Mg	25	101.38058	46040.89	ug/L	1.606					
Al	27	101.03048	498308	ug/L	1.394					
Si	28	181869.33		ug/L						
P	31	4.660001	13875.35	ug/L	5.886					
S	32	68774727		ug/L						
Cl	35	6612884.1		ug/L						
K	39	1018.5548	7540432	ug/L	12.237					
Ca	44	109.07332	50139.6	ug/L	3.194					
Sc	45	121128.33		ug/L						
Ti	47	102.89712	55868.03	ug/L	0.934					
Ti	48	102.45145	582713.4	ug/L	0.908					
V	51	100.09787	773860.4	ug/L	1.575					
ClO	51	778778.72		ug/L						
Cr	52	102.98696	634137.8	ug/L	1.06					
Cr	53	96.287651	84122.6	ug/L	1.885					
Fe	54	114.2508	127590.2	ug/L	11.071					
Mn	55	103.23709	985458	ug/L	1.523					
Fe	56	124.20173	2716126	ug/L	5.371					
Fe	57	105.95334	26594.85	ug/L	5.485					
Co	59	103.2662	736944	ug/L	1.095					
Ni	60	100.17732	160166.2	ug/L	1.083					
Ni	62	100.34485	24487.51	ug/L	0.875					
Cu	63	101.06089	371507.7	ug/L	0.038					
Zn	64	97.507802	169392	ug/L	1.334					
Cu	65	100.92152	180481.1	ug/L	2.085					
Zn	66	98.485187	99747.57	ug/L	0.74					
Zn	68	100.8096	72408.61	ug/L	1.161					
Ge	72	120285.31		ug/L						
As	75	106.94366	131784.6	ug/L	0.832					
Se	74	18.737352	14714.23	mg/L	5.407					
ArCl	77	9292.84		ug/L						

Br	79	1668.503	ug/L			
Br	81	12905.283	ug/L			
Y	89	319450.81	ug/L			
Mo	95	100.89628	311890.5	ug/L	0.973	
Rh	103	320445.89	ug/L			
Ag	107	65.122318	596735.2	ug/L	1.884	
Ag	109	65.207841	579704.5	ug/L	0.253	
Cd	111	101.77539	243837.6	ug/L	0.225	
Cd	114	101.39721	573195.2	ug/L	0.096	
In	115	427827.65	ug/L			
Sb	121	93.216154	788502	ug/L	5.199	
Sb	123	95.192954	613527.3	ug/L	5.593	
Ba	137	102.30097	426664.1	ug/L	0.991	
Ba	138	101.83197	2747261	ug/L	0.446	
Tb	159	529950.47	ug/L			
Ho	165	513427.47	ug/L			
Hg	200	1.051348	2109.933	ug/L	0.009	
Hg	202	1.040926	2780.786	ug/L	0.008	
Tl	205	108.63508	2563709	ug/L	0.842	
Pb	208	103.32544	3386855	ug/L	0.741	
Bi	209	392306.88	ug/L			
Se	77	89.97615	9067.186	mg/L	1.082	
Se	78	96.531526	39248.24	mg/L	3.401	
Se	82	90.736616	12504.29	mg/L	1.107	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	106.288							
|	B	100.285							
|	B	101.996							
|	C								
|	Na	102.252							
|	Mg	100.175							
|	Mg	100.377							
|	Al	100.628							
|	Si								
|	P								
|	S								
|	Cl								
|	K	101.551							
|	Ca	108.1							
|>	Sc	92.507							
|	Ti	102.897							
|	Ti	102.451							
|	V	99.699							
|	ClO								
|	Cr	101.967							

|	Cr	95.334
|	Fe	113.569
|	Mn	102.826
|	Fe	123.461
|	Fe	105.321
|	Co	102.65
|	Ni	99.382
|	Ni	99.548
|	Cu	101.162
|	Zn	96.83
|	Cu	101.023
|	Zn	97.801
|-	Zn	100.109
|>	Ge	92.083
|	As	107.589
|	Se	18.7
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	100.594
|-	Rh	
|	Ag	64.605
|	Ag	64.69
|	Cd	101.269
|	Cd	100.893
|>	In	96.426
|	Sb	92.937
|	Sb	94.908
|	Ba	101.59
|-	Ba	101.124
|-	Tb	
|>	Ho	93.978
|	Hg	105.135
|	Hg	104.093
|	Tl	108.635
|	Pb	103.325
|-	Bi	
	Se	89.797
	Se	96.339
	Se	90.556

Sample ID: QC Std 5
Sample Date/Time Friday August 26 2011 1:50:52
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.18441
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6643.76		ug/L						
Be	9	46.985322	11383.24	ug/L	1.616					
B	10	166.23457	8416.981	ug/L	0.339					
B	11	168.6308	38763.52	ug/L	4.821					
C	12	380351.6		ug/L						
Na	23	3.478712	31240.04	ug/L	0.216					
Mg	24	0.259382	1306.893	ug/L	0.082					
Mg	25	0.25042	190.021	ug/L	0.004					
Al	27	187.09728	915625.9	ug/L	8.491					
Si	28	94215.11		ug/L						
P	31	3.213427	13464.64	ug/L	2.377					
S	32	68553105		ug/L						
Cl	35	6636184.3		ug/L						
K	39	4.84746	763698.6	ug/L	4.496					
Ca	44	11.710858	29443.88	ug/L	6.286					
Sc	45	120753.14		ug/L						
Ti	47	0.122499	194.337	ug/L	0.034					
Ti	48	0.030095	-1729.11	ug/L	0.001					
V	51	26.546564	219194.9	ug/L	0.858					
ClO	51	220278.07		ug/L						
Cr	52	51.220602	317168.8	ug/L	1.617					
Cr	53	50.008341	46649.85	ug/L	2.159					
Fe	54	196.16677	164714.4	ug/L	15.742					
Mn	55	110.8345	1054061	ug/L	4.09					
Fe	56	199.33152	3327821	ug/L	8.396					
Fe	57	189.06102	42121.56	ug/L	8.333					
Co	59	24.958116	177495.1	ug/L	1.026					
Ni	60	204.43343	325591.6	ug/L	8.069					
Ni	62	204.72018	49735.84	ug/L	7.1					
Cu	63	79.518248	291199.2	ug/L	3.702					
Zn	64	100.58174	174065.3	ug/L	3.789					
Cu	65	79.721294	142087.9	ug/L	2.109					
Zn	66	103.28149	104214	ug/L	2.673					
Zn	68	108.14205	77364.57	ug/L	3.565					
Ge	72	122470.1		ug/L						
As	75	44.462989	56077.05	ug/L	0.035					
Se	74	7.930396	12545.03	mg/L	9.376					
ArCl	77	14622.231		ug/L						

Br	79	1594.489	ug/L			
Br	81	12645.583	ug/L			
Y	89	316382	ug/L			
Mo	95	43.066161	135606	ug/L	0.304	
Rh	103	316452.34	ug/L			
Ag	107	52.684235	479045	ug/L	0.424	
Ag	109	52.430484	462524.1	ug/L	0.263	
Cd	111	23.903635	56829.02	ug/L	0.277	
Cd	114	23.57423	132227.7	ug/L	0.071	
In	115	424441.52	ug/L			
Sb	121	51.273974	430643.3	ug/L	0.419	
Sb	123	51.704353	330854.2	ug/L	0.342	
Ba	137	144.00576	595776.1	ug/L	2.709	
Ba	138	144.74883	3873764	ug/L	2.326	
Tb	159	530917.47	ug/L			
Ho	165	515924.26	ug/L			
Hg	200	1.076584	2171.281	ug/L	0.022	
Hg	202	1.048682	2813.797	ug/L	0.031	
Tl	205	14.959747	354788.2	ug/L	0.464	
Pb	208	107.17697	3528952	ug/L	3.151	
Bi	209	391512.95	ug/L			
Se	77	144.07523	14259.17	mg/L	0.748	
Se	78	159.80038	57094.7	mg/L	0.852	
Se	82	147.11049	20285.67	mg/L	1.805	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	110.294							
|	B	103.897							
|	B	105.394							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	106.305							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.22							
|	Ti								
|	Ti								
|	V	106.613							
|	ClO								
|	Cr	104.107							

	Cr	101.643
	Fe	109.59
	Mn	104.561
	Fe	111.358
	Fe	105.621
	Co	107.116
	Ni	100.212
	Ni	100.353
	Cu	101.686
	Zn	95.792
	Cu	101.945
	Zn	98.363
-	Zn	102.992
>	Ge	93.756
	As	112.85
	Se	4.956
	ArCl	
	Br	
	Br	
	Y	
-	Mo	102.783
-	Rh	
	Ag	104.74
	Ag	104.236
	Cd	103.033
	Cd	101.613
>	In	95.663
	Sb	110.267
	Sb	111.192
	Ba	102.132
-	Ba	102.659
-	Tb	
>	Ho	94.435
	Hg	107.658
	Hg	104.868
	Tl	105.35
	Pb	103.055
-	Bi	
	Se	90.047
	Se	99.875
	Se	91.944

Sample ID: QC Std 6
Sample Date/Time Friday August 26 2011 1:58:01
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.18442
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6210.12		ug/L						
Be	9	0.005204	8.333	ug/L	0.009					
B	10	0.775534	82.668	ug/L	0.131					
B	11	0.832808	368.678	ug/L	0.202					
C	12	380838.06		ug/L						
Na	23	9926.9661	47293022	ug/L	67.758					
Mg	24	9845.2362	32751556	ug/L	69.636					
Mg	25	9837.3535	4612771	ug/L	211.594					
Al	27	9985.988	50495787	ug/L	374.859					
Si	28	54518.424		ug/L						
P	31	9887.9202	2603141	ug/L	332.344					
S	32	64287604		ug/L						
Cl	35	1555984.7		ug/L						
K	39	10039.136	70129170	ug/L	526.279					
Ca	44	10027.953	2219901	ug/L	136.064					
Sc	45	125274.61		ug/L						
Ti	47	25.071848	14181.2	ug/L	0.42					
Ti	48	8.350672	47312.79	ug/L	0.033					
V	51	0.152119	21928.64	ug/L	0.037					
ClO	51	22260.445		ug/L						
Cr	52	-0.068289	5569.933	ug/L	0.015					
Cr	53	0.128236	6842.309	ug/L	0.061					
Fe	54	10106.433	4892183	ug/L	12.59					
Mn	55	0.075105	1596.823	ug/L	0.01					
Fe	56	9864.4019	86341664	ug/L	16.534					
Fe	57	10049.477	1967573	ug/L	96.557					
Co	59	0.029654	289.007	ug/L	0					
Ni	60	0.244936	454.016	ug/L	0.002					
Ni	62	0.049679	53.334	ug/L	0.005					
Cu	63	0.229969	975.062	ug/L	0.008					
Zn	64	0.685945	2110.571	ug/L	0.004					
Cu	65	0.147919	323.009	ug/L	0.005					
Zn	66	0.606251	1179.755	ug/L	0.039					
Zn	68	0.598673	892.386	ug/L	0.004					
Ge	72	122662		ug/L						
As	75	0.080534	593.709	ug/L	0.091					
Se	74	4.801642	11866.86	mg/L	1.488					
ArCl	77	283.341		ug/L						

Br	79	1056.072	ug/L			
Br	81	12227.674	ug/L			
Y	89	317452.68	ug/L			
Mo	95	0.212269	754.372	ug/L	0.024	
Rh	103	304296.77	ug/L			
Ag	107	0.216462	2438.355	ug/L	0.045	
Ag	109	0.221531	2376.335	ug/L	0.027	
Cd	111	0.014675	46.667	ug/L	0.006	
Cd	114	0.015833	113.669	ug/L	0	
In	115	417497.15	ug/L			
Sb	121	0.728131	6630.164	ug/L	0.102	
Sb	123	0.737909	5118.635	ug/L	0.097	
Ba	137	0.058904	287.341	ug/L	0.001	
Ba	138	0.057243	1736.853	ug/L	0.001	
Tb	159	534593.21	ug/L			
Ho	165	517699.87	ug/L			
Hg	200	0.010487	40	ug/L	0.002	
Hg	202	0.011188	51.667	ug/L	0.002	
Tl	205	0.008637	392.679	ug/L	0.001	
Pb	208	0.047749	2071.78	ug/L	0.003	
Bi	209	386231.29	ug/L			
Se	77	-1.722794	266.671	mg/L	0.039	
Se	78	-3.390625	11062.85	mg/L	0.319	
Se	82	0.375838	31.634	mg/L	0.494	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	99.27							
|	Mg	98.452							
|	Mg	98.374							
|	Al	99.86							
|	Si								
|	P	98.879							
|	S								
|	Cl								
|	K	100.391							
|	Ca	100.28							
|>	Sc	95.673							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	101.064
|	Mn	
|	Fe	98.644
|	Fe	100.495
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	93.903
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	94.098
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	94.76
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.01
Sample Date/Time Friday August 26 2011 2:05:16
Autosampl Position: 66
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.01.18443
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6256.822		ug/L						
Be	9	0.189036	60.001	ug/L	0.003					
B	10	1.999557	161.336	ug/L	0.056					
B	11	1.971045	703.034	ug/L	0.067					
C	12	497563.75		ug/L						
Na	23	38.181171	217544.3	ug/L	0.846					
Mg	24	21234.405	77730393	ug/L	435.619					
Mg	25	21330.845	11006759	ug/L	349.257					
Al	27	2580.3816	14363819	ug/L	91.046					
Si	28	1141315		ug/L						
P	31	215.91997	76696.48	ug/L	0.958					
S	32	69125868		ug/L						
Cl	35	12247020		ug/L						
K	39	691.71849	6095832	ug/L	10.72					
Ca	44	86175.526	20757674	ug/L	872.27					
Sc	45	137843.86		ug/L						
Ti	47	147.66358	91178.54	ug/L	0.178					
Ti	48	228.19261	1479809	ug/L	9.393					
V	51	8.401247	94829.75	ug/L	0.201					
ClO	51	96502.206		ug/L						
Cr	52	5.035451	41567.74	ug/L	0.116					
Cr	53	9.383368	16019.27	ug/L	0.401					
Fe	54	9035.7124	4822059	ug/L	386.241					
Mn	55	210.57524	2286648	ug/L	0.175					
Fe	56	8893.2505	85838866	ug/L	74.906					
Fe	57	9709.4143	2092230	ug/L	601.288					
Co	59	2.676413	21812.36	ug/L	0.036					
Ni	60	7.352958	13429.05	ug/L	0.092					
Ni	62	6.976291	1979.235	ug/L	0.088					
Cu	63	10.510391	44068.66	ug/L	0.038					
Zn	64	40.90275	81432.26	ug/L	0.368					
Cu	65	10.639442	21703.76	ug/L	0.091					
Zn	66	40.248651	46748.36	ug/L	0.113					
Zn	68	40.686099	33554.15	ug/L	0.166					
Ge	72	127764.97		ug/L						
As	75	12.693915	17066.54	ug/L	0.193					
Se	74	-2.68813	10606.17	mg/L	2.864					
ArCl	77	879.718		ug/L						

Br	79	3639.434	ug/L						
Br	81	14920.384	ug/L						
Y	89	442367.61	ug/L						
Mo	95	0.839602	2844.807	ug/L	0.005				
Rh	103	325257.5	ug/L						
Ag	107	0.161781	2017.911	ug/L	0.007				
Ag	109	0.163262	1934.892	ug/L	0.013				
Cd	111	0.154629	386.012	ug/L	0.007				
Cd	114	0.249478	1449.13	ug/L	0.01				
In	115	431296.92	ug/L						
Sb	121	1.754566	15604.2	ug/L	0.002				
Sb	123	1.783862	12084.16	ug/L	0.03				
Ba	137	25.530187	107379.5	ug/L	0.056				
Ba	138	25.12625	683565.7	ug/L	0.151				
Tb	159	557566.96	ug/L						
Ho	165	542114.31	ug/L						
Hg	200	0.056612	138.669	ug/L	0.006				
Hg	202	0.048778	159.336	ug/L	0				
Tl	205	0.138015	3634.763	ug/L	0.002				
Pb	208	49.374284	1709078	ug/L	0.418				
Bi	209	378251.58	ug/L						
Se	77	4.779528	890.71	mg/L	0.511				
Se	78	-2.515645	11309.66	mg/L	0.538				
Se	82	0.440742	40.592	mg/L	0.155				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.272							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.809
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.208
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	99.229
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.01 MS
Sample Date/Time Friday August 26 2011 2:12:01
Autosampl Position: 67
Sample Descriptior 1:25 pre digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MS.18444
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5406.944		ug/L						
Be	9	29.200958	7512.846	ug/L	0.593					
B	10	1.521275	124.335	ug/L	0.184					
B	11	1.58958	560.69	ug/L	0.038					
C	12	448878.07		ug/L						
Na	23	379.53348	1864551	ug/L	3.067					
Mg	24	16569.809	56364471	ug/L	250.051					
Mg	25	16627.143	7973277	ug/L	45.734					
Al	27	2347.9743	12145620	ug/L	39.067					
Si	28	1653766		ug/L						
P	31	516.10792	151676.8	ug/L	16.249					
S	32	68806387		ug/L						
Cl	35	11630832		ug/L						
K	39	846.74351	6761045	ug/L	9.733					
Ca	44	141138.45	31576284	ug/L	472.622					
Sc	45	128102.95		ug/L						
Ti	47	127.27381	73055.8	ug/L	1.089					
Ti	48	256.71098	1547308	ug/L	1.467					
V	51	41.779845	353989.9	ug/L	0.163					
ClO	51	356339.78		ug/L						
Cr	52	37.904557	250725.1	ug/L	0.036					
Cr	53	41.911278	42615.41	ug/L	0.718					
Fe	54	8473.8955	4206834	ug/L	301.579					
Mn	55	174.65172	1762631	ug/L	1.261					
Fe	56	8467.1259	76041280	ug/L	138.548					
Fe	57	9072.4101	1817223	ug/L	130.279					
Co	59	35.424983	267427.7	ug/L	0.144					
Ni	60	39.637465	67059.47	ug/L	0.459					
Ni	62	37.103841	9602.498	ug/L	0.209					
Cu	63	40.78671	158630.7	ug/L	0.061					
Zn	64	66.05197	121655.1	ug/L	0.177					
Cu	65	41.093472	77759.95	ug/L	0.192					
Zn	66	66.31463	71219.28	ug/L	0.352					
Zn	68	67.494493	51424.55	ug/L	0.542					
Ge	72	126677.85		ug/L						
As	75	46.066231	60074.56	ug/L	0.503					
Se	74	-9.233256	8991.778	mg/L	15.632					
ArCl	77	4265.377		ug/L						

Br	79	3408.673	ug/L						
Br	81	14573.499	ug/L						
Y	89	405693.56	ug/L						
Mo	95	36.429905	118654.2	ug/L	0.753				
Rh	103	320628.18	ug/L						
Ag	107	37.846953	346619.5	ug/L	0.69				
Ag	109	37.898643	336666.3	ug/L	1.077				
Cd	111	35.860432	85817.01	ug/L	0.731				
Cd	114	35.785961	202105.7	ug/L	0.101				
In	115	427401.6	ug/L						
Sb	121	37.274259	315315.5	ug/L	0.9				
Sb	123	37.635936	242552.1	ug/L	1.331				
Ba	137	57.25504	238518.9	ug/L	1.229				
Ba	138	56.096903	1511603	ug/L	1.272				
Tb	159	563506.75	ug/L						
Ho	165	550979.47	ug/L						
Hg	200	0.39494	863.383	ug/L	0.023				
Hg	202	0.399704	1160.086	ug/L	0.005				
Tl	205	32.753133	829662.8	ug/L	0.113				
Pb	208	77.561029	2728561	ug/L	0.453				
Bi	209	374998.66	ug/L						
Se	77	39.299337	4203.64	mg/L	2.359				
Se	78	33.574276	21489.67	mg/L	0.821				
Se	82	32.380469	4449.287	mg/L	0.319				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.833							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.977
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.33
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.851
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.01 MSD
Sample Date/Time Friday August 26 2011 2:18:47
Autosampl Position: 68
Sample Descriptior 1:25 pre digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MSD.18445
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5046.734		ug/L						
Be	9	28.825425	7564.556	ug/L	0.609					
B	10	1.505429	126.002	ug/L	0.07					
B	11	1.756801	613.36	ug/L	0.166					
C	12	461005.11		ug/L						
Na	23	395.38657	1980781	ug/L	0.552					
Mg	24	22871.053	79364334	ug/L	166.619					
Mg	25	23665.656	11576065	ug/L	102.437					
Al	27	2643.5478	13949272	ug/L	17.642					
Si	28	1607166.3		ug/L						
P	31	549.24315	163792	ug/L	6.324					
S	32	66952823		ug/L						
Cl	35	11684446		ug/L						
K	39	926.5376	7471708	ug/L	13.943					
Ca	44	102327.23	23360957	ug/L	279.16					
Sc	45	130673.79		ug/L						
Ti	47	138.37038	81004.44	ug/L	1.055					
Ti	48	234.43739	1441197	ug/L	5.032					
V	51	44.021869	379305	ug/L	0.079					
ClO	51	386072.21		ug/L						
Cr	52	40.150485	270542	ug/L	0.572					
Cr	53	44.297609	45547.95	ug/L	0.834					
Fe	54	10839.514	5467312	ug/L	235.662					
Mn	55	233.78736	2406552	ug/L	1.303					
Fe	56	10884.488	99187466	ug/L	36.203					
Fe	57	12444.078	2539801	ug/L	269.136					
Co	59	36.94445	284487.6	ug/L	0.226					
Ni	60	42.092613	72636.08	ug/L	0.049					
Ni	62	40.433722	10670.7	ug/L	0.383					
Cu	63	44.49458	176513.6	ug/L	0.309					
Zn	64	72.676772	136449.2	ug/L	0.105					
Cu	65	44.731544	86336.9	ug/L	0.16					
Zn	66	73.481743	80437.12	ug/L	0.862					
Zn	68	74.219386	57638.05	ug/L	0.208					
Ge	72	126419.79		ug/L						
As	75	49.21134	64004.97	ug/L	0.606					
Se	74	-0.498988	10986.02	mg/L	8.227					
ArCl	77	4213.352		ug/L						

Br	79	3576.072	ug/L						
Br	81	14394.865	ug/L						
Y	89	419875.48	ug/L						
Mo	95	38.18563	124089.7	ug/L	1.019				
Rh	103	326787.22	ug/L						
Ag	107	38.62392	356241.8	ug/L	0.158				
Ag	109	38.127839	341147.5	ug/L	0.177				
Cd	111	36.559177	88113.85	ug/L	0.16				
Cd	114	36.486539	207491.4	ug/L	0.378				
In	115	430346.41	ug/L						
Sb	121	38.314345	326420.5	ug/L	0.272				
Sb	123	38.928753	252701.9	ug/L	0.084				
Ba	137	61.355403	257423.7	ug/L	0.171				
Ba	138	59.986839	1627989	ug/L	0.057				
Tb	159	573144.48	ug/L						
Ho	165	550421.05	ug/L						
Hg	200	0.4156	906.054	ug/L	0.026				
Hg	202	0.413821	1199.091	ug/L	0.001				
Tl	205	33.789689	855019	ug/L	0.108				
Pb	208	81.808095	2874815	ug/L	0.728				
Bi	209	381040.93	ug/L						
Se	77	39.438319	4216.978	mg/L	1.061				
Se	78	34.663762	21796.98	mg/L	0.276				
Se	82	33.759987	4639.704	mg/L	0.123				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.796							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.78
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.994
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.749
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.01 MS
Sample Date/Time Friday August 26 2011 2:25:32
Autosampl Position: 69
Sample Descriptior 1:25 post digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MS.18446
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6080.7		ug/L						
Be	9	941.13759	246359.5	ug/L	8.593					
B	10	2.315217	170.003	ug/L	0.437					
B	11	2.009518	675.032	ug/L	0.123					
C	12	986381.17		ug/L						
Na	23	10376.755	51478074	ug/L	215.509					
Mg	24	31783.317	1.1E+08	ug/L	548.875					
Mg	25	32596.049	15920012	ug/L	641.433					
Al	27	12963.115	68280255	ug/L	266.665					
Si	28	1127574.6		ug/L						
P	31	9868.4469	2706044	ug/L	47.157					
S	32	66080727		ug/L						
Cl	35	13674009		ug/L						
K	39	10706.64	77846193	ug/L	182.803					
Ca	44	101271.6	23082142	ug/L	505.303					
Sc	45	130461.49		ug/L						
Ti	47	174.13965	101740.8	ug/L	0.774					
Ti	48	239.71183	1471213	ug/L	2.248					
V	51	951.15897	7736802	ug/L	5.288					
ClO	51	7878141.8		ug/L						
Cr	52	950.40808	6251557	ug/L	11.148					
Cr	53	830.6232	728122.6	ug/L	12.85					
Fe	54	19904.178	9955538	ug/L	31.586					
Mn	55	1172.928	12050726	ug/L	1.276					
Fe	56	19552.609	1.76E+08	ug/L	43.834					
Fe	57	21420.101	4359103	ug/L	458.735					
Co	59	929.94302	7147416	ug/L	3.736					
Ni	60	859.36796	1479422	ug/L	14.258					
Ni	62	854.48377	224249.1	ug/L	24.051					
Cu	63	882.38423	3492664	ug/L	8.242					
Zn	64	883.43835	1645566	ug/L	11.268					
Cu	65	843.89741	1625107	ug/L	14.826					
Zn	66	912.78263	990935.5	ug/L	18.254					
Zn	68	930.56678	716050.8	ug/L	8.545					
Ge	72	124578.48		ug/L						
As	75	1005.842	1279520	ug/L	12.662					
Se	74	25.26543	16692.95	mg/L	22.346					
ArCl	77	89512.432		ug/L						

Br	79	7358.051	ug/L			
Br	81	17921.159	ug/L			
Y	89	418821.69	ug/L			
Mo	95	1056.2749	3381177	ug/L	2.067	
Rh	103	305052.72	ug/L			
Ag	107	922.77676	8014174	ug/L	14.056	
Ag	109	912.6154	7689788	ug/L	9.056	
Cd	111	1034.2974	2350566	ug/L	8.179	
Cd	114	1032.9382	5538619	ug/L	1.3	
In	115	405827.66	ug/L			
Sb	121	1126.6872	9035354	ug/L	17.696	
Sb	123	1136.2313	6942932	ug/L	22.984	
Ba	137	1073.3502	4245791	ug/L	11.768	
Ba	138	1067.9728	27327469	ug/L	8.983	
Tb	159	534481.89	ug/L			
Ho	165	518622.05	ug/L			
Hg	200	1.077472	2183.951	ug/L	0.006	
Hg	202	1.025908	2768.116	ug/L	0.024	
Tl	205	1007.8805	24022667	ug/L	13.394	
Pb	208	1035.5191	34277097	ug/L	22.014	
Bi	209	363431.52	ug/L			
Se	77	924.06323	89116.05	mg/L	15.456	
Se	78	996.34589	293062	mg/L	13.767	
Se	82	902.24061	124517.6	mg/L	2.678	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.634							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.37
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.468
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.929
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.01 MSD
Sample Date/Time Friday August 26 2011 2:32:18
Autosampl Position: 70
Sample Descriptior 1:25 post digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MSD.18447
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6270.162		ug/L						
Be	9	970.86712	249757.1	ug/L	13.698					
B	10	2.206586	161.003	ug/L	0.375					
B	11	2.029002	668.031	ug/L	0.026					
C	12	981511.22		ug/L						
Na	23	10462.736	51009850	ug/L	316.93					
Mg	24	32245.363	1.1E+08	ug/L	231.086					
Mg	25	32591.736	15641786	ug/L	634.161					
Al	27	13150.644	68061731	ug/L	358.5					
Si	28	1117625.3		ug/L						
P	31	9679.4797	2608583	ug/L	214.002					
S	32	63824213		ug/L						
Cl	35	13575641		ug/L						
K	39	10799.972	77170227	ug/L	207.419					
Ca	44	101577.4	22749981	ug/L	3590.941					
Sc	45	128231.5		ug/L						
Ti	47	175.6054	100834.8	ug/L	2.073					
Ti	48	252.46261	1523269	ug/L	2.138					
V	51	962.44816	7694020	ug/L	11.516					
ClO	51	7835163.6		ug/L						
Cr	52	960.19602	6207712	ug/L	10.71					
Cr	53	841.39761	724864.4	ug/L	8.779					
Fe	54	20345.676	10001973	ug/L	308.901					
Mn	55	1192.0006	12036070	ug/L	14.417					
Fe	56	19777.615	1.75E+08	ug/L	163.553					
Fe	57	21971.866	4394326	ug/L	562.136					
Co	59	949.49511	7172719	ug/L	6.017					
Ni	60	868.86631	1470323	ug/L	0.284					
Ni	62	853.64136	220205.6	ug/L	11.33					
Cu	63	900.20277	3501778	ug/L	20.962					
Zn	64	893.89371	1636338	ug/L	22.335					
Cu	65	853.91056	1616161	ug/L	16.825					
Zn	66	930.6624	993063.7	ug/L	11.44					
Zn	68	944.19989	714054.9	ug/L	15.025					
Ge	72	122640.41		ug/L						
As	75	1007.4892	1261732	ug/L	2.673					
Se	74	34.842826	18605.35	mg/L	0.197					
ArCl	77	88112.162		ug/L						

Br	79	7222.607	ug/L			
Br	81	18096.51	ug/L			
Y	89	419073.74	ug/L			
Mo	95	1079.949	3402900	ug/L	13.803	
Rh	103	300968.98	ug/L			
Ag	107	927.8486	7899038	ug/L	0.572	
Ag	109	922.30375	7617619	ug/L	10.538	
Cd	111	1054.822	2349562	ug/L	3.038	
Cd	114	1059.9413	5570728	ug/L	0.062	
In	115	397778.9	ug/L			
Sb	121	1156.894	9092963	ug/L	22.867	
Sb	123	1164.2286	6972253	ug/L	19.87	
Ba	137	1096.8079	4252793	ug/L	3.239	
Ba	138	1084.9728	27213060	ug/L	0.575	
Tb	159	528587.81	ug/L			
Ho	165	518033.53	ug/L			
Hg	200	1.095361	2217.293	ug/L	0.009	
Hg	202	1.037092	2795.458	ug/L	0.039	
Tl	205	1014.014	24144144	ug/L	10.062	
Pb	208	1031.5937	34114396	ug/L	10.192	
Bi	209	350534.55	ug/L			
Se	77	906.37425	87418.41	mg/L	21.226	
Se	78	971.2718	285989.2	mg/L	14.537	
Se	82	909.25597	125485.9	mg/L	7.906	

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.931							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.886
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.653
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.821
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Friday August 26 2011 2:39:03
Autosampl Position: 71
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18448
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5896.578		ug/L						
Be	9	0.046086	19.334	ug/L	0.023					
B	10	0.645541	79.001	ug/L	0.103					
B	11	0.656633	340.343	ug/L	0.041					
C	12	376331.87		ug/L						
Na	23	6.354466	48044.91	ug/L	0.653					
Mg	24	2.144503	7957.618	ug/L	0.113					
Mg	25	2.235926	1176.861	ug/L	0.219					
Al	27	2.399861	17324.89	ug/L	0.129					
Si	28	64041.2		ug/L						
P	31	2.002059	14229.24	ug/L	4.347					
S	32	68458124		ug/L						
Cl	35	8323629		ug/L						
K	39	2.078881	806233.7	ug/L	2.518					
Ca	44	18.525302	33411.29	ug/L	1.591					
Sc	45	130569.79		ug/L						
Ti	47	0.139412	220.338	ug/L	0.003					
Ti	48	0.102973	-1421.34	ug/L	0.002					
V	51	2.228965	39710.94	ug/L	0.055					
ClO	51	40447.864		ug/L						
Cr	52	0.052513	6599.7	ug/L	0.01					
Cr	53	6.223035	12427.62	ug/L	0.038					
Fe	54	7.335155	84464.18	ug/L	2.995					
Mn	55	0.093419	1850.875	ug/L	0.024					
Fe	56	0.405487	1821363	ug/L	2.262					
Fe	57	5.010534	8141.128	ug/L	2.528					
Co	59	0.05718	512.02	ug/L	0.014					
Ni	60	0.225342	439.015	ug/L	0.03					
Ni	62	0.175937	88.668	ug/L	0.038					
Cu	63	0.233508	1029.402	ug/L	0.03					
Zn	64	2.212977	5039.96	ug/L	0.317					
Cu	65	0.239825	513.353	ug/L	0.025					
Zn	66	2.264916	3029.535	ug/L	0.167					
Zn	68	2.313677	2248.968	ug/L	0.165					
Ge	72	129006.23		ug/L						
As	75	0.289259	898.806	ug/L	0.072					
Se	74	-2.444606	10767.45	mg/L	13.725					
ArCl	77	605.693		ug/L						

Br	79	1312.775	ug/L						
Br	81	13514.506	ug/L						
Y	89	338288.94	ug/L						
Mo	95	2.088847	7012.135	ug/L	0.309				
Rh	103	341903.77	ug/L						
Ag	107	2.112701	20747.64	ug/L	0.236				
Ag	109	2.118519	20144.96	ug/L	0.257				
Cd	111	0.064006	173.337	ug/L	0				
Cd	114	0.071018	447.682	ug/L	0.001				
In	115	447070.91	ug/L						
Sb	121	7.485754	66749.16	ug/L	1.257				
Sb	123	7.55783	51346.61	ug/L	1.359				
Ba	137	0.096881	473.017	ug/L	0.012				
Ba	138	0.090196	2787.805	ug/L	0.009				
Tb	159	559445.49	ug/L						
Ho	165	546966.84	ug/L						
Hg	200	0.008175	37.334	ug/L	0.001				
Hg	202	0.008153	46.001	ug/L	0.002				
Tl	205	0.113348	3044.542	ug/L	0.014				
Pb	208	0.102237	4088.734	ug/L	0.007				
Bi	209	394004.83	ug/L						
Se	77	1.375479	564.018	mg/L	0.255				
Se	78	-0.56926	11858.68	mg/L	0.273				
Se	82	0.876051	100.679	mg/L	0.086				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.717							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.76
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.763
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.117
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Friday August 26 2011 2:45:49
Autosampl Position: 72
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18449
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5620.404		ug/L						
Be	9	0.019113	11.667	ug/L	0.01					
B	10	0.664274	76.001	ug/L	0.162					
B	11	0.611128	312.008	ug/L	0.111					
C	12	365578.33		ug/L						
Na	23	7.72007	52003.63	ug/L	0.608					
Mg	24	1.989263	7026.771	ug/L	0.296					
Mg	25	1.82495	923.473	ug/L	0.404					
Al	27	4.214098	25481.82	ug/L	0.705					
Si	28	64051.243		ug/L						
P	31	4.340573	14119.08	ug/L	4.448					
S	32	70677221		ug/L						
Cl	35	8093487.2		ug/L						
K	39	9.03515	812245.3	ug/L	1.998					
Ca	44	35.116956	35275.16	ug/L	1.093					
Sc	45	123837.85		ug/L						
Ti	47	0.122579	199.671	ug/L	0.001					
Ti	48	0.014896	-1862.14	ug/L	0.008					
V	51	2.44261	39313.23	ug/L	0.019					
ClO	51	39959.366		ug/L						
Cr	52	0.095773	6528.53	ug/L	0.03					
Cr	53	7.024893	12446.64	ug/L	0.138					
Fe	54	22.371694	87176.29	ug/L	7.989					
Mn	55	0.11616	1978.235	ug/L	0.015					
Fe	56	17.5862	1872553	ug/L	12.105					
Fe	57	11.754251	9018.731	ug/L	5.601					
Co	59	0.016927	192.671	ug/L	0.003					
Ni	60	0.120026	244.672	ug/L	0.002					
Ni	62	0.092602	63.334	ug/L	0.049					
Cu	63	0.256814	1065.407	ug/L	0.02					
Zn	64	2.203223	4765.329	ug/L	0.193					
Cu	65	0.25636	517.687	ug/L	0.014					
Zn	66	2.275952	2884.82	ug/L	0.19					
Zn	68	2.266511	2098.93	ug/L	0.136					
Ge	72	125831.53		ug/L						
As	75	0.03463	549.739	ug/L	0.023					
Se	74	20.420523	15769.58	mg/L	4.868					
ArCl	77	576.024		ug/L						

Br	79	1225.428	ug/L						
Br	81	13187.356	ug/L						
Y	89	334149.25	ug/L						
Mo	95	0.654472	2203.29	ug/L	0.056				
Rh	103	335737.33	ug/L						
Ag	107	0.591796	6038.745	ug/L	0.068				
Ag	109	0.591959	5823.934	ug/L	0.066				
Cd	111	0.023641	70.334	ug/L	0.003				
Cd	114	0.023516	162.67	ug/L	0.005				
In	115	434821.61	ug/L						
Sb	121	2.201232	19574.64	ug/L	0.159				
Sb	123	2.24745	15223.08	ug/L	0.178				
Ba	137	0.048188	254.006	ug/L	0.006				
Ba	138	0.046453	1513.455	ug/L	0.002				
Tb	159	554688.64	ug/L						
Ho	165	536820.57	ug/L						
Hg	200	0.007859	36	ug/L	0.001				
Hg	202	0.006996	42.001	ug/L	0.003				
Tl	205	0.035312	1065.74	ug/L	0.005				
Pb	208	0.06312	2675.181	ug/L	0.009				
Bi	209	387917.33	ug/L						
Se	77	1.945127	618.688	mg/L	0.039				
Se	78	-1.849738	11497.5	mg/L	0.195				
Se	82	0.531834	53.166	mg/L	0.393				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.576							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.329
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.002
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.26
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Friday August 26 2011 2:52:36
Autosampl Position: 73
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18450
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5388.263		ug/L						
Be	9	0.002251	7.333	ug/L	0.004					
B	10	-0.014198	40	ug/L	0.057					
B	11	0.028878	171.67	ug/L	0.056					
C	12	346954.24		ug/L						
Na	23	-0.175364	14533.06	ug/L	0.013					
Mg	24	0.184055	1073.504	ug/L	0.033					
Mg	25	0.10924	126.68	ug/L	0					
Al	27	0.022464	4454.87	ug/L	0.001					
Si	28	50645.738		ug/L						
P	31	0.114957	12736.86	ug/L	1.774					
S	32	67456509		ug/L						
Cl	35	7282777.4		ug/L						
K	39	5.667814	772382	ug/L	0.339					
Ca	44	27.773634	32966.29	ug/L	1.82					
Sc	45	121178.28		ug/L						
Ti	47	0.038843	150.003	ug/L	0.012					
Ti	48	-0.069025	-2300.9	ug/L	0.008					
V	51	2.408346	38209.85	ug/L	0.014					
ClO	51	38499.4		ug/L						
Cr	52	0.071441	6241.126	ug/L	0.011					
Cr	53	6.911297	12088.49	ug/L	0.047					
Fe	54	-0.484264	74797.96	ug/L	1.389					
Mn	55	-0.005271	778.041	ug/L	0.002					
Fe	56	6.49694	1741075	ug/L	4.52					
Fe	57	-1.613661	6309.486	ug/L	0.06					
Co	59	0.004502	100.002	ug/L	0.001					
Ni	60	0.00885	61.667	ug/L	0.009					
Ni	62	-0.006063	38	ug/L	0.054					
Cu	63	0.025987	193.337	ug/L	0.002					
Zn	64	0.189613	1183.245	ug/L	0.012					
Cu	65	0.036254	112.668	ug/L	0.002					
Zn	66	0.174723	706.368	ug/L	0.06					
Zn	68	0.176063	561.356	ug/L	0.008					
Ge	72	122534.96		ug/L						
As	75	-0.062225	414.257	ug/L	0.053					
Se	74	10.705272	13179.88	mg/L	4.706					
ArCl	77	533.354		ug/L						

Br	79	1542.813	ug/L						
Br	81	12308.116	ug/L						
Y	89	317275.69	ug/L						
Mo	95	0.226134	797.043	ug/L	0.009				
Rh	103	325020.19	ug/L						
Ag	107	0.076337	1183.089	ug/L	0.012				
Ag	109	0.084127	1180.422	ug/L	0.013				
Cd	111	0.00524	24.334	ug/L	0.002				
Cd	114	0.002762	41.334	ug/L	0.001				
In	115	415049.89	ug/L						
Sb	121	0.802451	7208.596	ug/L	0.017				
Sb	123	0.811796	5555.99	ug/L	0.009				
Ba	137	0.009867	87.335	ug/L	0.003				
Ba	138	0.009824	485.909	ug/L	0.001				
Tb	159	546299.6	ug/L						
Ho	165	530293.69	ug/L						
Hg	200	0.001906	23.334	ug/L	0				
Hg	202	-0.001595	18	ug/L	0.002				
Tl	205	0.010837	456.016	ug/L	0				
Pb	208	0.009126	814.355	ug/L	0				
Bi	209	378088.9	ug/L						
Se	77	1.028134	530.682	mg/L	0.039				
Se	78	-2.478042	11320.27	mg/L	1.226				
Se	82	0.404443	35.582	mg/L	0.188				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.545							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.806
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.546
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.065
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.03
Sample Date/Time Friday August 26 2011 2:59:22
Autosampl Position: 74
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.03.18451
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6103.381		ug/L						
Be	9	0.292274	89.001	ug/L	0.005					
B	10	3.093745	225.338	ug/L	0.321					
B	11	3.113264	1006.732	ug/L	0.043					
C	12	554254.82		ug/L						
Na	23	53.219898	297850.1	ug/L	1.101					
Mg	24	3436.539	12644250	ug/L	35.702					
Mg	25	3388.427	1757523	ug/L	0.359					
Al	27	3259.1307	18233379	ug/L	15.6					
Si	28	968488.7		ug/L						
P	31	315.03036	105812.8	ug/L	1.625					
S	32	69661215		ug/L						
Cl	35	11085376		ug/L						
K	39	586.16625	5320651	ug/L	0.645					
Ca	44	20349.768	4950081	ug/L	592.873					
Sc	45	138557.31		ug/L						
Ti	47	207.76654	128883.1	ug/L	3.251					
Ti	48	220.415	1436497	ug/L	3.329					
V	51	12.202393	128054.9	ug/L	0.211					
ClO	51	129195.85		ug/L						
Cr	52	7.13623	56439.74	ug/L	0.108					
Cr	53	11.945415	18463.58	ug/L	0.111					
Fe	54	28124.638	14906315	ug/L	505.311					
Mn	55	203.85758	2225117	ug/L	1.127					
Fe	56	28446.243	2.72E+08	ug/L	414.35					
Fe	57	30438.525	6576218	ug/L	77.366					
Co	59	5.633709	46061.19	ug/L	0.082					
Ni	60	10.375763	19024.08	ug/L	0.168					
Ni	62	11.751713	3320.306	ug/L	0.105					
Cu	63	192.65639	809966.8	ug/L	2.336					
Zn	64	51.966569	103732.7	ug/L	0.149					
Cu	65	194.00719	396858.5	ug/L	0.449					
Zn	66	51.641881	60118.4	ug/L	0.325					
Zn	68	52.948248	43740.08	ug/L	0.532					
Ge	72	131037.65		ug/L						
As	75	8.12839	11398.24	ug/L	0.174					
Se	74	-24.184441	5731.979	mg/L	4.491					
ArCl	77	712.368		ug/L						

Br	79	3969.241	ug/L						
Br	81	15428.57	ug/L						
Y	89	439896.93	ug/L						
Mo	95	1.193905	4110.637	ug/L	0.009				
Rh	103	322324.7	ug/L						
Ag	107	0.247802	2871.149	ug/L	0.009				
Ag	109	0.253775	2803.127	ug/L	0.015				
Cd	111	0.137623	352.344	ug/L	0				
Cd	114	1.98332	11568.47	ug/L	0.028				
In	115	440456.48	ug/L						
Sb	121	21.947055	191643.2	ug/L	0.203				
Sb	123	21.814384	145142.9	ug/L	0.28				
Ba	137	73.032337	313541.2	ug/L	1.783				
Ba	138	72.939801	2025253	ug/L	3.061				
Tb	159	565395.48	ug/L						
Ho	165	535914.79	ug/L						
Hg	200	0.272524	585.025	ug/L	0.017				
Hg	202	0.272453	776.041	ug/L	0.009				
Tl	205	0.185196	4753.29	ug/L	0.008				
Pb	208	255.76486	8748072	ug/L	5.481				
Bi	209	394332.79	ug/L						
Se	77	3.209482	740.03	mg/L	0.295				
Se	78	-2.675979	11264.44	mg/L	0.903				
Se	82	0.863673	98.97	mg/L	0.433				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.817							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	100.315
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	99.272
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	98.094
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.04
Sample Date/Time Friday August 26 2011 3:06:08
Autosampl Position: 75
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.04.18452
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6106.051		ug/L						
Be	9	0.107945	35	ug/L	0.023					
B	10	1.467308	121.669	ug/L	0.115					
B	11	1.656288	577.691	ug/L	0.16					
C	12	468939.91		ug/L						
Na	23	26.753095	146763.2	ug/L	0.255					
Mg	24	2558.4127	8718506	ug/L	1.186					
Mg	25	2456.7776	1180194	ug/L	14.11					
Al	27	1847.1047	9572888	ug/L	18.344					
Si	28	450721.95		ug/L						
P	31	141.35154	51386.61	ug/L	0.918					
S	32	67873849		ug/L						
Cl	35	9466355.7		ug/L						
K	39	318.91235	3035490	ug/L	0.927					
Ca	44	9455.6298	2145830	ug/L	29.803					
Sc	45	128320.65		ug/L						
Ti	47	102.22983	58804.83	ug/L	0.163					
Ti	48	109.1244	657614.1	ug/L	2.907					
V	51	6.575011	73704.31	ug/L	0.04					
ClO	51	75103.367		ug/L						
Cr	52	3.567103	29203.69	ug/L	0.011					
Cr	53	9.123656	14690.01	ug/L	0.092					
Fe	54	11444.347	5664515	ug/L	251.496					
Mn	55	116.87241	1181798	ug/L	0.877					
Fe	56	11484.365	1.03E+08	ug/L	69.134					
Fe	57	12296.622	2464396	ug/L	271.366					
Co	59	2.674947	20293.16	ug/L	0.027					
Ni	60	5.206543	8865.744	ug/L	0.164					
Ni	62	5.706594	1514.475	ug/L	0.315					
Cu	63	40.228233	156718.5	ug/L	0.428					
Zn	64	19.075031	35835.68	ug/L	0.061					
Cu	65	40.68597	77118.15	ug/L	0.097					
Zn	66	18.713776	20534.04	ug/L	0.161					
Zn	68	18.947877	14794.52	ug/L	0.425					
Ge	72	126871.28		ug/L						
As	75	3.78871	5413.965	ug/L	0.202					
Se	74	2.668567	11733.3	mg/L	24.829					
ArCl	77	577.691		ug/L						

Br	79	2448.021	ug/L						
Br	81	13680.757	ug/L						
Y	89	370405.43	ug/L						
Mo	95	0.453797	1566.484	ug/L	0.033				
Rh	103	324865.4	ug/L						
Ag	107	0.072895	1194.09	ug/L	0.007				
Ag	109	0.077647	1165.753	ug/L	0				
Cd	111	0.069233	179.337	ug/L	0.002				
Cd	114	0.387426	2228.629	ug/L	0.012				
In	115	430201.5	ug/L						
Sb	121	3.061486	26670.33	ug/L	0.035				
Sb	123	3.090041	20511.76	ug/L	0.029				
Ba	137	19.520343	81880.94	ug/L	0.624				
Ba	138	19.552037	530591.4	ug/L	0.053				
Tb	159	549171.77	ug/L						
Ho	165	531543.1	ug/L						
Hg	200	0.032843	87.001	ug/L	0.004				
Hg	202	0.02783	98.668	ug/L	0.003				
Tl	205	0.102497	2696.093	ug/L	0.001				
Pb	208	51.384286	1743603	ug/L	1.153				
Bi	209	388517.74	ug/L						
Se	77	1.722825	597.353	mg/L	0.157				
Se	78	-3.206195	11114.88	mg/L	0.169				
Se	82	0.380593	32.29	mg/L	0.276				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.999							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.125
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.961
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.294
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Friday August 26 2011 3:12:49
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.18453
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5871.231		ug/L						
Be	9	0.009418	9.333	ug/L	0.001					
B	10	0.073041	45.667	ug/L	0.023					
B	11	0.083257	189.337	ug/L	0.04					
C	12	360948.71		ug/L						
Na	23	0.415879	17739.08	ug/L	0.227					
Mg	24	0.453053	1997.09	ug/L	0.109					
Mg	25	0.423409	276.699	ug/L	0.039					
Al	27	0.359399	6279.469	ug/L	0.075					
Si	28	53623.11		ug/L						
P	31	-0.424176	12953.86	ug/L	2.417					
S	32	68435099		ug/L						
Cl	35	7268382		ug/L						
K	39	2.095985	769676.1	ug/L	2.007					
Ca	44	14.233175	30959.06	ug/L	0.132					
Sc	45	124623.15		ug/L						
Ti	47	0.106298	192.004	ug/L	0.034					
Ti	48	0.026105	-1807.26	ug/L	0.012					
V	51	1.790236	34497.35	ug/L	0.153					
ClO	51	35378.736		ug/L						
Cr	52	-0.057961	5605.098	ug/L	0.023					
Cr	53	4.970528	10821.21	ug/L	0.21					
Fe	54	4.156827	79138.6	ug/L	4.147					
Mn	55	0.004911	900.387	ug/L	0.004					
Fe	56	-8.791419	1659826	ug/L	4.422					
Fe	57	0.438004	6889.972	ug/L	1.931					
Co	59	0.000854	76.001	ug/L	0.001					
Ni	60	0.011218	67.334	ug/L	0.002					
Ni	62	-0.003752	39.667	ug/L	0.001					
Cu	63	0.023959	191.337	ug/L	0.006					
Zn	64	0.112482	1079.697	ug/L	0					
Cu	65	0.032805	109.668	ug/L	0.01					
Zn	66	0.122067	671.698	ug/L	0.026					
Zn	68	0.13641	548.022	ug/L	0.028					
Ge	72	124135.15		ug/L						
As	75	-0.097373	374.996	ug/L	0.011					
Se	74	4.624508	11973.05	mg/L	2.494					
ArCl	77	481.684		ug/L						

Br	79	1504.807	ug/L						
Br	81	12716.683	ug/L						
Y	89	323404.09	ug/L						
Mo	95	0.088092	367.011	ug/L	0.008				
Rh	103	328344.38	ug/L						
Ag	107	0.014494	647.363	ug/L	0.01				
Ag	109	0.015726	603.693	ug/L	0.006				
Cd	111	0.003056	19.667	ug/L	0.003				
Cd	114	0.008437	74.001	ug/L	0.002				
In	115	423955.04	ug/L						
Sb	121	0.284459	3024.533	ug/L	0.002				
Sb	123	0.297432	2392.454	ug/L	0.002				
Ba	137	0.011923	97.668	ug/L	0.003				
Ba	138	0.011555	542.493	ug/L	0.001				
Tb	159	536095.49	ug/L						
Ho	165	522940.95	ug/L						
Hg	200	0.000101	19.334	ug/L	0.001				
Hg	202	-0.000386	21	ug/L	0.002				
Tl	205	0.006033	334.01	ug/L	0.002				
Pb	208	0.012157	903.694	ug/L	0.003				
Bi	209	395705.98	ug/L						
Se	77	0.764152	505.347	mg/L	0.138				
Se	78	-2.589356	11288.87	mg/L	0.036				
Se	82	0.118186	-3.93	mg/L	0.589				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.176							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.031
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.553
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.719
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Friday August 26 2011 3:19:59
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.18454
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5764.494		ug/L						
Be	9	92.743934	23305.74	ug/L	0.942					
B	10	91.241414	4810.321	ug/L	2.097					
B	11	91.12688	21811.69	ug/L	0.653					
C	12	367593.98		ug/L						
Na	23	97.4909	479908.9	ug/L	2.051					
Mg	24	97.596991	324976.4	ug/L	3.064					
Mg	25	97.96771	45997.33	ug/L	1.001					
Al	27	96.552949	492496.9	ug/L	1.636					
Si	28	184926.99		ug/L						
P	31	-0.061886	13114.1	ug/L	1.07					
S	32	68650964		ug/L						
Cl	35	6947484.7		ug/L						
K	39	1001.3612	7676686	ug/L	0.344					
Ca	44	120.31009	54283.67	ug/L	0.207					
Sc	45	125217.85		ug/L						
Ti	47	102.14639	57330.79	ug/L	2.172					
Ti	48	101.78351	598414.7	ug/L	2.137					
V	51	98.849619	790275.1	ug/L	1.575					
ClO	51	800139.28		ug/L						
Cr	52	102.25294	650886.4	ug/L	2.214					
Cr	53	97.056799	87602.96	ug/L	2.262					
Fe	54	109.22381	129513.4	ug/L	8.074					
Mn	55	101.79234	1004442	ug/L	2.552					
Fe	56	142.65191	2965889	ug/L	8.276					
Fe	57	99.263576	26190.29	ug/L	3.625					
Co	59	102.44925	755774.6	ug/L	1.872					
Ni	60	99.193528	163940.7	ug/L	2.132					
Ni	62	98.575708	24866.55	ug/L	2.725					
Cu	63	100.70433	382661.4	ug/L	1.875					
Zn	64	95.45155	171434.4	ug/L	1.739					
Cu	65	100.62741	186027.5	ug/L	2.685					
Zn	66	97.793683	102386.8	ug/L	2.492					
Zn	68	99.021608	73532.59	ug/L	1.549					
Ge	72	126123.57		ug/L						
As	75	105.3958	136197.2	ug/L	0.027					
Se	74	7.629256	12858.28	mg/L	2.88					
ArCl	77	9381.933		ug/L						

Br	79	1390.12	ug/L						
Br	81	12692.992	ug/L						
Y	89	320998.22	ug/L						
Mo	95	99.042971	321002.7	ug/L	3.032				
Rh	103	325101.57	ug/L						
Ag	107	63.906025	591943.7	ug/L	1.485				
Ag	109	64.84605	582687.4	ug/L	1.703				
Cd	111	103.71463	251135	ug/L	4.122				
Cd	114	102.15191	583692.4	ug/L	2.078				
In	115	432497.63	ug/L						
Sb	121	95.666109	818341.8	ug/L	4.08				
Sb	123	96.60782	629690.6	ug/L	4.651				
Ba	137	102.8753	433705.2	ug/L	1.813				
Ba	138	103.15727	2813389	ug/L	0.159				
Tb	159	541727.62	ug/L						
Ho	165	533827.99	ug/L						
Hg	200	1.008935	2106.265	ug/L	0.021				
Hg	202	0.997019	2770.116	ug/L	0.007				
Tl	205	104.30197	2559284	ug/L	0.964				
Pb	208	98.096344	3343211	ug/L	1.418				
Bi	209	396691.16	ug/L						
Se	77	89.266902	8999.119	mg/L	0.59				
Se	78	100.14292	40266.91	mg/L	0.069				
Se	82	92.433676	12738.53	mg/L	0.233				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	91.826							
|	B	90.969							
|	B	90.854							
|	C								
|	Na	96.24							
|	Mg	96.631							
|	Mg	96.998							
|	Al	96.168							
|	Si								
|	P								
|	S								
|	Cl								
|	K	99.837							
|	Ca	119.237							
|>	Sc	95.63							
|	Ti	102.146							
|	Ti	101.784							
|	V	98.456							
|	ClO								
|	Cr	101.241							

|	Cr	96.096
|	Fe	108.572
|	Mn	101.387
|	Fe	141.801
|	Fe	98.672
|	Co	101.838
|	Ni	98.406
|	Ni	97.793
|	Cu	100.805
|	Zn	94.788
|	Cu	100.728
|	Zn	97.114
|-	Zn	98.333
|>	Ge	96.553
|	As	106.032
|	Se	7.614
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	98.747
|-	Rh	
|	Ag	63.399
|	Ag	64.331
|	Cd	103.199
|	Cd	101.644
|>	In	97.479
|	Sb	95.38
|	Sb	96.319
|	Ba	102.16
|-	Ba	102.44
|-	Tb	
|>	Ho	97.712
|	Hg	100.894
|	Hg	99.702
|	Tl	104.302
|	Pb	98.096
|-	Bi	
	Se	89.089
	Se	99.943
	Se	92.249

Sample ID: QC Std 5
Sample Date/Time Friday August 26 2011 3:27:07
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.18455
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5912.589		ug/L						
Be	9	41.292472	10119.4	ug/L	0.326					
B	10	156.06405	7990.924	ug/L	0.74					
B	11	158.11438	36771.26	ug/L	1.937					
C	12	370660.27		ug/L						
Na	23	2.997944	29363.62	ug/L	0.166					
Mg	24	0.325534	1540.285	ug/L	0.023					
Mg	25	0.341073	233.36	ug/L	0.127					
Al	27	180.66472	894538.7	ug/L	4.427					
Si	28	96718.072		ug/L						
P	31	2.229872	13371.17	ug/L	0.893					
S	32	66883746		ug/L						
Cl	35	6879660.2		ug/L						
K	39	4.408161	769542.2	ug/L	1.195					
Ca	44	19.108976	31363.81	ug/L	1.388					
Sc	45	122067.41		ug/L						
Ti	47	0.105847	187.67	ug/L	0.005					
Ti	48	0.018431	-1815.21	ug/L	0.019					
V	51	26.952029	224765.5	ug/L	0.141					
ClO	51	227432.97		ug/L						
Cr	52	51.978321	325445.7	ug/L	0.175					
Cr	53	51.098632	48072.25	ug/L	0.35					
Fe	54	201.98438	169324.5	ug/L	5.182					
Mn	55	112.22018	1079526	ug/L	0.13					
Fe	56	225.39236	3583312	ug/L	11.534					
Fe	57	186.95564	42201.98	ug/L	7.917					
Co	59	25.471069	183239.4	ug/L	0.086					
Ni	60	207.90953	334959.1	ug/L	0.635					
Ni	62	204.52008	50257.37	ug/L	0.43					
Cu	63	81.548629	302123.8	ug/L	0.18					
Zn	64	102.61579	179610.2	ug/L	0.959					
Cu	65	81.673665	147216.6	ug/L	0.084					
Zn	66	105.18129	107323.2	ug/L	0.023					
Zn	68	108.99863	78864.39	ug/L	0.979					
Ge	72	123330.94		ug/L						
As	75	45.404552	57656.47	ug/L	0.015					
Se	74	13.713224	13943.04	mg/L	1.966					
ArCl	77	14783.497		ug/L						

Br	79	1353.448	ug/L			
Br	81	12424.278	ug/L			
Y	89	322877.98	ug/L			
Mo	95	44.222017	140220.6	ug/L	1.274	
Rh	103	327904.64	ug/L			
Ag	107	54.994705	491978.5	ug/L	1.968	
Ag	109	55.057825	477836.2	ug/L	1.671	
Cd	111	24.456794	57208.01	ug/L	0.347	
Cd	114	24.138988	133235.9	ug/L	0.037	
In	115	417670.44	ug/L			
Sb	121	53.108973	438874.2	ug/L	0.485	
Sb	123	53.571644	337288.7	ug/L	1.162	
Ba	137	150.93714	614486.3	ug/L	2.97	
Ba	138	149.43891	3935387	ug/L	3.019	
Tb	159	537595.18	ug/L			
Ho	165	518300.3	ug/L			
Hg	200	1.039831	2106.932	ug/L	0.003	
Hg	202	1.032003	2783.454	ug/L	0.034	
Tl	205	14.858649	354149.2	ug/L	0.099	
Pb	208	106.20742	3514457	ug/L	0.075	
Bi	209	394063.37	ug/L			
Se	77	148.79245	14711.9	mg/L	0.492	
Se	78	160.08428	57174.78	mg/L	6.948	
Se	82	149.42864	20605.64	mg/L	4.672	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	96.931							
|	B	97.54							
|	B	98.821							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	102.65							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.224							
|	Ti								
|	Ti								
|	V	108.241							
|	ClO								
|	Cr	105.647							

|	Cr	103.859
|	Fe	112.84
|	Mn	105.868
|	Fe	125.918
|	Fe	104.444
|	Co	109.318
|	Ni	101.916
|	Ni	100.255
|	Cu	104.282
|	Zn	97.729
|	Cu	104.442
|	Zn	100.173
|-	Zn	103.808
|>	Ge	94.415
|	As	115.24
|	Se	8.571
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	105.542
|-	Rh	
|	Ag	109.333
|	Ag	109.459
|	Cd	105.417
|	Cd	104.047
|>	In	94.137
|	Sb	114.213
|	Sb	115.208
|	Ba	107.048
|-	Ba	105.985
|-	Tb	
|>	Ho	94.87
|	Hg	103.983
|	Hg	103.2
|	Tl	104.638
|	Pb	102.123
|-	Bi	
	Se	92.995
	Se	100.053
	Se	93.393

Sample ID: QC Std 6
Sample Date/Time Friday August 26 2011 3:34:16
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.18456
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5733.809		ug/L						
Be	9	0.017302	11.333	ug/L	0.011					
B	10	0.749411	81.001	ug/L	0.016					
B	11	0.744681	346.343	ug/L	0.076					
C	12	364822.76		ug/L						
Na	23	10059.452	47763659	ug/L	170.207					
Mg	24	9724.0903	32239812	ug/L	236.646					
Mg	25	9893.1188	4623712	ug/L	135.999					
Al	27	9940.4004	50106366	ug/L	83.74					
Si	28	53331.386		ug/L						
P	31	10186.138	2672680	ug/L	1.668					
S	32	63274476		ug/L						
Cl	35	1598099		ug/L						
K	39	10049.702	69985413	ug/L	153.343					
Ca	44	9813.1006	2165847	ug/L	68.033					
Sc	45	124856.9		ug/L						
Ti	47	24.223903	13657.73	ug/L	1.337					
Ti	48	9.233469	52342.33	ug/L	0.464					
V	51	0.30039	23004.63	ug/L	0.043					
ClO	51	23300.388		ug/L						
Cr	52	-0.018225	5866.167	ug/L	0.031					
Cr	53	0.596643	7208.262	ug/L	0.122					
Fe	54	10244.767	4941561	ug/L	14.495					
Mn	55	0.090656	1744.852	ug/L	0.003					
Fe	56	10024.488	87420586	ug/L	46.713					
Fe	57	10693.815	2086661	ug/L	599.985					
Co	59	0.03603	335.01	ug/L	0.003					
Ni	60	0.239786	444.015	ug/L	0.004					
Ni	62	0.092865	64.001	ug/L	0.012					
Cu	63	0.232518	981.396	ug/L	0.022					
Zn	64	0.685814	2103.255	ug/L	0.004					
Cu	65	0.153635	332.343	ug/L	0.021					
Zn	66	0.637505	1208.426	ug/L	0.007					
Zn	68	0.583294	878.051	ug/L	0.031					
Ge	72	126397.98		ug/L						
As	75	-0.000185	507.225	ug/L	0.022					
Se	74	-3.10197	10404.36	mg/L	4.3					
ArCl	77	316.342		ug/L						

Br	79	921.723	ug/L				
Br	81	11628.217	ug/L				
Y	89	320514.35	ug/L				
Mo	95	0.253111	910.055	ug/L	0.035		
Rh	103	315054.46	ug/L				
Ag	107	0.23104	2576.728	ug/L	0.036		
Ag	109	0.243089	2569.391	ug/L	0.028		
Cd	111	0.014562	46.334	ug/L	0		
Cd	114	0.016352	116.669	ug/L	0		
In	115	417963.24	ug/L				
Sb	121	0.909861	8149.753	ug/L	0.094		
Sb	123	0.918589	6268.618	ug/L	0.058		
Ba	137	0.061578	298.675	ug/L	0.004		
Ba	138	0.064144	1920.89	ug/L	0.001		
Tb	159	546128.43	ug/L				
Ho	165	522306.77	ug/L				
Hg	200	0.013113	45.667	ug/L	0.002		
Hg	202	0.010381	50.001	ug/L	0.003		
Tl	205	0.011096	455.349	ug/L	0		
Pb	208	0.05165	2219.462	ug/L	0.005		
Bi	209	381599.61	ug/L				
Se	77	-1.472712	290.671	mg/L	0.393		
Se	78	-2.439346	11331.18	mg/L	0.175		
Se	82	0.332368	25.633	mg/L	0.13		

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	100.595							
|	Mg	97.241							
|	Mg	98.931							
|	Al	99.404							
|	Si								
|	P	101.861							
|	S								
|	Cl								
|	K	100.497							
|	Ca	98.131							
|>	Sc	95.354							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	102.448
|	Mn	
|	Fe	100.245
|	Fe	106.938
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	96.763
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	94.203
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	95.603
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.05
Sample Date/Time Friday August 26 2011 3:41:32
Autosampl Position: 76
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.05.18457
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6142.074		ug/L						
Be	9	0.218531	67.334	ug/L	0.012					
B	10	3.643859	252.673	ug/L	0.07					
B	11	3.380423	1058.072	ug/L	0.029					
C	12	610444		ug/L						
Na	23	45.59116	253120.5	ug/L	0.606					
Mg	24	4163.0926	15047795	ug/L	6.765					
Mg	25	4063.3099	2071086	ug/L	143.101					
Al	27	3567.9115	19603967	ug/L	89.776					
Si	28	1154378.3		ug/L						
P	31	400.54566	128261.2	ug/L	8.322					
S	32	65346784		ug/L						
Cl	35	11423622		ug/L						
K	39	741.38025	6391759	ug/L	7.638					
Ca	44	17096.436	4091353	ug/L	208.402					
Sc	45	136112.92		ug/L						
Ti	47	206.39684	125771.3	ug/L	2.586					
Ti	48	218.54814	1398938	ug/L	5.817					
V	51	12.161057	125437.7	ug/L	0.22					
ClO	51	126814.36		ug/L						
Cr	52	30.463606	215353.4	ug/L	0.492					
Cr	53	31.655143	35986.45	ug/L	0.638					
Fe	54	35819.857	18623910	ug/L	216.509					
Mn	55	363.02046	3891717	ug/L	1.548					
Fe	56	34874.824	3.27E+08	ug/L	336.922					
Fe	57	36979.801	7845951	ug/L	517.136					
Co	59	8.29134	66550.37	ug/L	0.168					
Ni	60	27.183299	48869.82	ug/L	0.555					
Ni	62	28.384688	7814.769	ug/L	0.417					
Cu	63	101.46824	419107	ug/L	1.011					
Zn	64	64.004704	125285.8	ug/L	0.092					
Cu	65	102.53311	206055.6	ug/L	0.637					
Zn	66	64.543214	73662.67	ug/L	0.262					
Zn	68	65.409821	52961.35	ug/L	0.977					
Ge	72	129332.16		ug/L						
As	75	10.977598	15012.26	ug/L	0.091					
Se	74	-15.557522	7698.642	mg/L	2.879					
ArCl	77	675.365		ug/L						

Br	79	4192.009	ug/L						
Br	81	15019.214	ug/L						
Y	89	462816.55	ug/L						
Mo	95	6.098058	20354.97	ug/L	0.083				
Rh	103	319409.01	ug/L						
Ag	107	0.222376	2580.065	ug/L	0.055				
Ag	109	0.227614	2513.383	ug/L	0.071				
Cd	111	0.311282	766.04	ug/L	0.003				
Cd	114	0.834033	4790.977	ug/L	0.019				
In	115	432232.08	ug/L						
Sb	121	4.968523	43084.29	ug/L	0.012				
Sb	123	5.062943	33449.61	ug/L	0.044				
Ba	137	37.105396	156387.8	ug/L	0.223				
Ba	138	36.280051	989005.8	ug/L	0.059				
Tb	159	564929.36	ug/L						
Ho	165	536741.33	ug/L						
Hg	200	0.32656	698.701	ug/L	0				
Hg	202	0.230416	661.364	ug/L	0.008				
Tl	205	0.142529	3709.46	ug/L	0.003				
Pb	208	145.19448	4974442	ug/L	1.904				
Bi	209	386197.9	ug/L						
Se	77	2.37584	660.024	mg/L	0.452				
Se	78	-4.181258	10839.84	mg/L	0.201				
Se	82	0.805562	90.949	mg/L	0.007				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.95							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.009
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.419
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.245
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.06
Sample Date/Time Friday August 26 2011 3:48:18
Autosampl Position: 77
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.06.18458
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6230.135		ug/L						
Be	9	0.146454	47.334	ug/L	0.026					
B	10	2.824255	205.004	ug/L	0.186					
B	11	2.81636	907.721	ug/L	0.261					
C	12	542621.34		ug/L						
Na	23	40.624627	226219.1	ug/L	0.185					
Mg	24	9655.1793	34707609	ug/L	226.105					
Mg	25	9514.39	4821190	ug/L	192.114					
Al	27	2767.1868	15125281	ug/L	85.662					
Si	28	919259.31		ug/L						
P	31	329.89169	107583.5	ug/L	5.468					
S	32	66990240		ug/L						
Cl	35	11667836		ug/L						
K	39	777.46799	6627324	ug/L	0.334					
Ca	44	19270.326	4582136	ug/L	174.079					
Sc	45	135377.91		ug/L						
Ti	47	158.93433	96366.7	ug/L	1.931					
Ti	48	173.79068	1106282	ug/L	0.255					
V	51	8.506377	94008.54	ug/L	0.232					
ClO	51	95491.573		ug/L						
Cr	52	4.383143	36373.32	ug/L	0.059					
Cr	53	9.204428	15568.81	ug/L	0.636					
Fe	54	14526.305	7561686	ug/L	250.102					
Mn	55	166.75956	1778581	ug/L	1.61					
Fe	56	14522.201	1.36E+08	ug/L	289.516					
Fe	57	15173.911	3206574	ug/L	325.646					
Co	59	2.890107	23124.94	ug/L	0.038					
Ni	60	5.538933	9947.873	ug/L	0.061					
Ni	62	6.245639	1744.852	ug/L	0.039					
Cu	63	6.935184	28595.19	ug/L	0.004					
Zn	64	72.866517	141728.8	ug/L	0.135					
Cu	65	6.99782	14037.97	ug/L	0.016					
Zn	66	74.011884	83926.79	ug/L	0.616					
Zn	68	73.850786	59417.8	ug/L	0.318					
Ge	72	129280.75		ug/L						
As	75	3.141326	4664.621	ug/L	0.071					
Se	74	-16.111146	7562.341	mg/L	1.697					
ArCl	77	731.037		ug/L						

Br	79	4609.215	ug/L						
Br	81	16542.536	ug/L						
Y	89	456972.24	ug/L						
Mo	95	0.621123	2152.943	ug/L	0.036				
Rh	103	324204.38	ug/L						
Ag	107	0.056861	1063.74	ug/L	0.004				
Ag	109	0.058922	1014.4	ug/L	0.002				
Cd	111	0.13016	331.343	ug/L	0.005				
Cd	114	0.596318	3471.031	ug/L	0.011				
In	115	437059.58	ug/L						
Sb	121	0.700482	6710.543	ug/L	0.003				
Sb	123	0.685446	5019.322	ug/L	0.004				
Ba	137	23.6987	101014.5	ug/L	0.283				
Ba	138	23.56718	649723.3	ug/L	0.206				
Tb	159	566606.87	ug/L						
Ho	165	549204.59	ug/L						
Hg	200	0.099261	231.339	ug/L	0.006				
Hg	202	0.088505	274.007	ug/L	0.007				
Tl	205	0.075045	2092.929	ug/L	0.002				
Pb	208	31.905499	1119092	ug/L	0.031				
Bi	209	389611.13	ug/L						
Se	77	3.23727	742.697	mg/L	0.373				
Se	78	-2.322301	11364.2	mg/L	0.6				
Se	82	0.884805	101.887	mg/L	0.233				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.389							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.97
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.507
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.527
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.07
Sample Date/Time Friday August 26 2011 3:55:03
Autosampl Position: 78
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.07.18459
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5640.416		ug/L						
Be	9	0.144188	45.334	ug/L	0.033					
B	10	3.272601	223.005	ug/L	0.112					
B	11	3.315357	1002.399	ug/L	0.138					
C	12	511636.77		ug/L						
Na	23	32.485534	178476.1	ug/L	0.059					
Mg	24	20492.965	71319318	ug/L	448.995					
Mg	25	20744.556	10176076	ug/L	619.101					
Al	27	2268.6586	12006197	ug/L	57.996					
Si	28	930238.89		ug/L						
P	31	332.8613	104976.4	ug/L	4.338					
S	32	67692522		ug/L						
Cl	35	11391740		ug/L						
K	39	755.33347	6256795	ug/L	0.189					
Ca	44	42783.05	9815895	ug/L	708.908					
Sc	45	131078.35		ug/L						
Ti	47	128.03065	75177.32	ug/L	3.364					
Ti	48	161.64012	995618.4	ug/L	9.589					
V	51	8.396359	90130.52	ug/L	0.042					
ClO	51	92340.531		ug/L						
Cr	52	3.608068	30099.08	ug/L	0.053					
Cr	53	9.92588	15708.06	ug/L	0.303					
Fe	54	9047.2111	4591133	ug/L	62.57					
Mn	55	211.66014	2185348	ug/L	3.027					
Fe	56	8894.8271	81624437	ug/L	216.07					
Fe	57	9180.3657	1880795	ug/L	335.259					
Co	59	2.53019	19608.32	ug/L	0.06					
Ni	60	5.054353	8793.339	ug/L	0.055					
Ni	62	5.314445	1443.796	ug/L	0.069					
Cu	63	5.451531	21784.62	ug/L	0.055					
Zn	64	71.764803	135138.1	ug/L	1.75					
Cu	65	5.629785	10941.36	ug/L	0.22					
Zn	66	73.131323	80291.14	ug/L	1.379					
Zn	68	73.193328	57008.78	ug/L	2.28					
Ge	72	126061.43		ug/L						
As	75	2.902899	4242.24	ug/L	0.066					
Se	74	-3.65324	10248.33	mg/L	0.872					
ArCl	77	770.374		ug/L						

Br	79	3708.127	ug/L						
Br	81	14735.079	ug/L						
Y	89	443402.19	ug/L						
Mo	95	0.312138	1098.411	ug/L	0.005				
Rh	103	323644.66	ug/L						
Ag	107	0.033119	830.713	ug/L	0.008				
Ag	109	0.037621	810.378	ug/L	0.006				
Cd	111	0.387853	949.392	ug/L	0.01				
Cd	114	0.7915	4537.844	ug/L	0.003				
In	115	431318.88	ug/L						
Sb	121	0.374597	3845.185	ug/L	0.012				
Sb	123	0.382144	2983.994	ug/L	0.017				
Ba	137	19.039458	80097.11	ug/L	0.047				
Ba	138	18.983195	516511.8	ug/L	0.094				
Tb	159	556200.18	ug/L						
Ho	165	539812.73	ug/L						
Hg	200	0.065159	156.003	ug/L	0.002				
Hg	202	0.063244	199.004	ug/L	0.002				
Tl	205	0.061806	1728.515	ug/L	0.002				
Pb	208	46.377484	1598540	ug/L	0.453				
Bi	209	367693.25	ug/L						
Se	77	3.153905	734.696	mg/L	0.02				
Se	78	-2.346705	11357.31	mg/L	0.386				
Se	82	0.384441	32.821	mg/L	0.076				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.105							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	96.505
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	97.213
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	98.807
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.08
Sample Date/Time Friday August 26 2011 4:01:49
Autosampl Position: 79
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.08.18460
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5653.758		ug/L						
Be	9	0.123267	41.334	ug/L	0.037					
B	10	1.224367	115.669	ug/L	0.048					
B	11	1.372605	541.688	ug/L	0.023					
C	12	420102.11		ug/L						
Na	23	22.829859	135827.3	ug/L	0.489					
Mg	24	2124.1773	7706060	ug/L	7.781					
Mg	25	2076.4351	1061852	ug/L	5.909					
Al	27	2824.0629	15573535	ug/L	66.893					
Si	28	737465.73		ug/L						
P	31	236.30903	81811.28	ug/L	5.876					
S	32	68714285		ug/L						
Cl	35	11392432		ug/L						
K	39	798.2792	6842482	ug/L	19.911					
Ca	44	5702.7786	1389738	ug/L	25.678					
Sc	45	136598.79		ug/L						
Ti	47	190.98247	116806.5	ug/L	2.092					
Ti	48	195.22699	1253962	ug/L	4.084					
V	51	11.145329	117268.1	ug/L	0.108					
ClO	51	120042.24		ug/L						
Cr	52	4.555871	37879.79	ug/L	0.174					
Cr	53	10.817847	17176.38	ug/L	0.198					
Fe	54	8574.0447	4537501	ug/L	183.574					
Mn	55	183.05845	1969486	ug/L	4.983					
Fe	56	8366.0786	80102075	ug/L	360.103					
Fe	57	8339.4112	1781007	ug/L	332.393					
Co	59	3.051662	24630.57	ug/L	0.054					
Ni	60	4.34856	7890.502	ug/L	0.1					
Ni	62	5.651342	1597.823	ug/L	0.184					
Cu	63	17.93103	74415.75	ug/L	0.234					
Zn	64	214.49332	419000.9	ug/L	4.452					
Cu	65	18.193704	36729.09	ug/L	0.561					
Zn	66	224.33807	255419.7	ug/L	5.415					
Zn	68	225.65501	182166.6	ug/L	2.389					
Ge	72	129594.74		ug/L						
As	75	3.048256	4552.346	ug/L	0.032					
Se	74	-2.251358	10871.1	mg/L	1.719					
ArCl	77	719.369		ug/L						

Br	79	2066.922	ug/L						
Br	81	13779.575	ug/L						
Y	89	508346.7	ug/L						
Mo	95	0.218269	816.712	ug/L	0.001				
Rh	103	337713.23	ug/L						
Ag	107	0.074323	1243.431	ug/L	0.008				
Ag	109	0.072803	1155.752	ug/L	0				
Cd	111	0.675124	1687.507	ug/L	0.001				
Cd	114	0.998363	5870.62	ug/L	0.008				
In	115	442941.03	ug/L						
Sb	121	1.043706	9804.049	ug/L	0.018				
Sb	123	1.067048	7631.372	ug/L	0.005				
Ba	137	54.722068	236315.1	ug/L	0.264				
Ba	138	53.442509	1492834	ug/L	0.239				
Tb	159	580140.06	ug/L						
Ho	165	567131.6	ug/L						
Hg	200	0.053788	139.002	ug/L	0.007				
Hg	202	0.049344	168.337	ug/L	0.001				
Tl	205	0.079268	2271.64	ug/L	0.002				
Pb	208	570.72019	20661160	ug/L	7.755				
Bi	209	399828.04	ug/L						
Se	77	2.389736	661.358	mg/L	0.904				
Se	78	-1.843296	11499.31	mg/L	0.146				
Se	82	0.658245	70.615	mg/L	0.017				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	104.321							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.21
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.832
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.808
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.09
Sample Date/Time Friday August 26 2011 4:08:35
Autosampl Position: 80
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.09.18461
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4992.038		ug/L						
Be	9	0.141947	40.667	ug/L	0.038					
B	10	1.366514	108.002	ug/L	0.116					
B	11	1.164761	425.681	ug/L	0.021					
C	12	415107.39		ug/L						
Na	23	23.377936	121035.9	ug/L	0.154					
Mg	24	2957.8138	9363420	ug/L	21.263					
Mg	25	2905.1563	1296276	ug/L	36.605					
Al	27	2178.7364	10489226	ug/L	56.341					
Si	28	950422.13		ug/L						
P	31	238.69632	71997.82	ug/L	2.128					
S	32	65502207		ug/L						
Cl	35	11303014		ug/L						
K	39	465.42531	3783239	ug/L	1.443					
Ca	44	230071.18	47885612	ug/L	6035.84					
Sc	45	119200.43		ug/L						
Ti	47	108.55718	57999.69	ug/L	0.337					
Ti	48	296.98996	1664908	ug/L	37.869					
V	51	8.775882	84769.93	ug/L	0.241					
ClO	51	86193.91		ug/L						
Cr	52	5.216713	37034.16	ug/L	0.035					
Cr	53	14.86133	18195.04	ug/L	0.711					
Fe	54	6393.4614	2972718	ug/L	359.105					
Mn	55	159.53449	1498295	ug/L	0.275					
Fe	56	6285.8538	52950960	ug/L	55.367					
Fe	57	6872.4262	1282487	ug/L	86.295					
Co	59	2.743062	19328.72	ug/L	0.036					
Ni	60	17.074717	26904.02	ug/L	0.167					
Ni	62	13.382632	3247.612	ug/L	0.024					
Cu	63	26.116895	94544.7	ug/L	0.347					
Zn	64	774.37205	1318093	ug/L	0.023					
Cu	65	26.278546	46285.66	ug/L	0.105					
Zn	66	812.09623	805640.3	ug/L	5.39					
Zn	68	812.19033	571113.5	ug/L	4.428					
Ge	72	117913.22		ug/L						
As	75	2.448816	3420.716	ug/L	0.02					
Se	74	-9.000213	8419.946	mg/L	5.779					
ArCl	77	1327.777		ug/L						

Br	79	2932.169	ug/L						
Br	81	13232.756	ug/L						
Y	89	375782.78	ug/L						
Mo	95	0.394611	1277.102	ug/L	0.01				
Rh	103	303319.8	ug/L						
Ag	107	0.05247	967.394	ug/L	0.003				
Ag	109	0.055951	934.057	ug/L	0.004				
Cd	111	6.897164	15978.52	ug/L	0.041				
Cd	114	7.278217	39780.59	ug/L	0.087				
In	115	413398.47	ug/L						
Sb	121	0.519708	4870.686	ug/L	0.001				
Sb	123	0.53286	3797.961	ug/L	0.009				
Ba	137	43.880603	176869.1	ug/L	0.15				
Ba	138	43.247493	1127520	ug/L	0.592				
Tb	159	560108.33	ug/L						
Ho	165	548134.85	ug/L						
Hg	200	0.070914	170.67	ug/L	0.002				
Hg	202	0.066744	212.005	ug/L	0.007				
Tl	205	0.078322	2171.614	ug/L	0.001				
Pb	208	526.12093	18409875	ug/L	1.571				
Bi	209	365439.03	ug/L						
Se	77	8.864548	1282.757	mg/L	0.118				
Se	78	-3.497479	11032.71	mg/L	0.34				
Se	82	0.620736	65.437	mg/L	0.062				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.034							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.267
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.174
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.331
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.1
Sample Date/Time Friday August 26 2011 4:15:21
Autosampl Position: 81
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.10.18462
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4863.968		ug/L						
Be	9	0.192333	56.667	ug/L	0.023					
B	10	1.761058	137.336	ug/L	0.274					
B	11	1.914405	640.029	ug/L	0.098					
C	12	448255.99		ug/L						
Na	23	41.613594	219005.2	ug/L	0.3					
Mg	24	4285.0664	14582972	ug/L	124.85					
Mg	25	4056.8534	1946497	ug/L	12.324					
Al	27	3683.3791	19061422	ug/L	22.542					
Si	28	944708.89		ug/L						
P	31	344.61001	105806	ug/L	0.328					
S	32	67488169		ug/L						
Cl	35	12796767		ug/L						
K	39	787.00756	6341864	ug/L	2.686					
Ca	44	108792.38	24362965	ug/L	3206.02					
Sc	45	128170.58		ug/L						
Ti	47	193.85222	111255.8	ug/L	0.107					
Ti	48	298.99492	1803406	ug/L	0.359					
V	51	12.003758	116881.4	ug/L	0.011					
ClO	51	118104.14		ug/L						
Cr	52	8.071439	58248.51	ug/L	0.063					
Cr	53	17.601188	21903.57	ug/L	0.157					
Fe	54	8342.3418	4145722	ug/L	102.97					
Mn	55	196.46236	1983746	ug/L	0.13					
Fe	56	8446.3547	75905105	ug/L	234.235					
Fe	57	8593.0359	1722571	ug/L	177.802					
Co	59	3.811778	28853.67	ug/L	0.02					
Ni	60	23.006462	38962.04	ug/L	0.089					
Ni	62	22.265174	5781.896	ug/L	0.16					
Cu	63	34.937263	135958.1	ug/L	0.422					
Zn	64	973.7603	1781949	ug/L	3.087					
Cu	65	35.351754	66932.83	ug/L	0.365					
Zn	66	1025.6916	1093978	ug/L	3.678					
Zn	68	1030.745	779172.7	ug/L	5.673					
Ge	72	123762.13		ug/L						
As	75	3.363566	4746.081	ug/L	0.026					
Se	74	-4.313623	9887.776	mg/L	18.438					
ArCl	77	1251.432		ug/L						

Br	79	3192.592	ug/L			
Br	81	14475.995	ug/L			
Y	89	425582.09	ug/L			
Mo	95	0.526837	1761.188	ug/L	0.002	
Rh	103	322183.09	ug/L			
Ag	107	0.074437	1216.427	ug/L	0.003	
Ag	109	0.07725	1169.42	ug/L	0.001	
Cd	111	9.069321	21996.13	ug/L	0.068	
Cd	114	9.150439	52361.22	ug/L	0.001	
In	115	432867.26	ug/L			
Sb	121	0.793745	7443.787	ug/L	0.006	
Sb	123	0.803776	5742.292	ug/L	0.007	
Ba	137	56.436903	238179.8	ug/L	0.221	
Ba	138	55.524872	1515740	ug/L	0.185	
Tb	159	583109.41	ug/L			
Ho	165	567302.43	ug/L			
Hg	200	0.090361	219.338	ug/L	0.001	
Hg	202	0.098955	313.675	ug/L	0.001	
Tl	205	0.109268	3054.21	ug/L	0.001	
Pb	208	640.72367	23201711	ug/L	6.13	
Bi	209	391394.59	ug/L			
Se	77	8.086436	1208.08	mg/L	0.59	
Se	78	-1.553879	11580.95	mg/L	1.085	
Se	82	0.634396	67.323	mg/L	0.04	

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.885							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.745
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.562
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.839
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.1
Sample Date/Time Friday August 26 2011 4:22:07
Autosampl Position: 82
Sample Descriptior 1:20
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.10.18463
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4889.314		ug/L						
Be	9	0.215352	63.668	ug/L	0.006					
B	10	2.116663	159.003	ug/L	0.096					
B	11	2.30996	749.038	ug/L	0.011					
C	12	487374.65		ug/L						
Na	23	50.356462	266173.5	ug/L	1.108					
Mg	24	5049.5191	17486895	ug/L	133.533					
Mg	25	4957.0299	2420080	ug/L	53.056					
Al	27	4293.0949	22602890	ug/L	157.621					
Si	28	1115316.3		ug/L						
P	31	394.87966	121363.5	ug/L	10.546					
S	32	64658893		ug/L						
Cl	35	14150672		ug/L						
K	39	924.74434	7443654	ug/L	25.662					
Ca	44	129243.26	29441784	ug/L	581.851					
Sc	45	130427.69		ug/L						
Ti	47	225.4094	131607.8	ug/L	4.373					
Ti	48	339.03648	2080424	ug/L	21.617					
V	51	13.746893	133054.1	ug/L	0.455					
ClO	51	135706.87		ug/L						
Cr	52	9.42908	68188.16	ug/L	0.197					
Cr	53	20.331447	24656.31	ug/L	0.681					
Fe	54	10244.346	5161695	ug/L	51.995					
Mn	55	243.7862	2504458	ug/L	4.21					
Fe	56	9758.7248	88935964	ug/L	245.862					
Fe	57	10290.043	2096386	ug/L	881.004					
Co	59	4.420998	34043.3	ug/L	0.01					
Ni	60	26.886944	46325.53	ug/L	0.227					
Ni	62	26.325621	6948.057	ug/L	0.738					
Cu	63	40.888632	161902.2	ug/L	0.407					
Zn	64	1189.9303	2215366	ug/L	30.991					
Cu	65	41.529316	80004.63	ug/L	0.37					
Zn	66	1203.3784	1305947	ug/L	11.544					
Zn	68	1205.2065	926969.6	ug/L	16.131					
Ge	72	123195.86		ug/L						
As	75	4.101274	5650.88	ug/L	0.172					
Se	74	-17.76257	6824.283	mg/L	6.946					
ArCl	77	1372.784		ug/L						

Br	79	3304.634	ug/L						
Br	81	13998.243	ug/L						
Y	89	441248.12	ug/L						
Mo	95	0.625984	2067.256	ug/L	0.013				
Rh	103	312430	ug/L						
Ag	107	0.093491	1403.456	ug/L	0.004				
Ag	109	0.094685	1336.112	ug/L	0.006				
Cd	111	10.613884	25935.87	ug/L	0.11				
Cd	114	10.77382	62116.78	ug/L	0.001				
In	115	436174.68	ug/L						
Sb	121	0.90725	8479.038	ug/L	0.01				
Sb	123	0.915797	6522.196	ug/L	0.024				
Ba	137	66.716885	283704.3	ug/L	0.144				
Ba	138	64.239618	1767010	ug/L	0.155				
Tb	159	577325.34	ug/L						
Ho	165	555323.48	ug/L						
Hg	200	0.109574	256.006	ug/L	0.005				
Hg	202	0.122844	375.678	ug/L	0.007				
Tl	205	0.132569	3584.409	ug/L	0.001				
Pb	208	771.57126	27348848	ug/L	16.328				
Bi	209	403703.03	ug/L						
Se	77	9.517611	1345.433	mg/L	0.059				
Se	78	-2.414816	11338.1	mg/L	0.583				
Se	82	0.972803	114.034	mg/L	0.03				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.609							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.312
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.307
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	101.647
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Friday August 26 2011 4:28:53
Autosampl Position: 83
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18464
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4369.05		ug/L						
Be	9	0.000879	6.667	ug/L	0.007					
B	10	0.221928	49.334	ug/L	0.052					
B	11	0.400525	244.006	ug/L	0.003					
C	12	318912.35		ug/L						
Na	23	5.649382	39251.81	ug/L	0.206					
Mg	24	6.628444	20698.94	ug/L	0.075					
Mg	25	6.603785	2917.427	ug/L	0.184					
Al	27	14.791151	72790.89	ug/L	0.116					
Si	28	59365.825		ug/L						
P	31	7.433708	13858.64	ug/L	2.81					
S	32	66808913		ug/L						
Cl	35	7672560.4		ug/L						
K	39	12.139317	773929.1	ug/L	2.945					
Ca	44	114.15283	48611.14	ug/L	5.568					
Sc	45	115016.59		ug/L						
Ti	47	0.265027	259.006	ug/L	0.043					
Ti	48	0.083106	-1357.55	ug/L	0.029					
V	51	3.900167	46919.23	ug/L	0.172					
ClO	51	47987.131		ug/L						
Cr	52	0.224585	6808.152	ug/L	0.037					
Cr	53	11.371486	14886.33	ug/L	0.148					
Fe	54	63.370848	98912.78	ug/L	1.88					
Mn	55	0.301477	3515.715	ug/L	0.008					
Fe	56	124.97823	2585189	ug/L	2.184					
Fe	57	38.913905	13244.3	ug/L	1.885					
Co	59	0.00444	94.668	ug/L	0.002					
Ni	60	0.166861	298.341	ug/L	0					
Ni	62	0.220748	88.668	ug/L	0.039					
Cu	63	0.196689	778.708	ug/L	0.011					
Zn	64	3.092656	5887.103	ug/L	0.041					
Cu	65	0.196557	379.345	ug/L	0.011					
Zn	66	3.201392	3564.068	ug/L	0.148					
Zn	68	3.254967	2620.07	ug/L	0.016					
Ge	72	121022.99		ug/L						
As	75	-0.119124	338.336	ug/L	0.049					
Se	74	8.677216	12573.79	mg/L	3.898					
ArCl	77	654.03		ug/L						

Br	79	1060.406	ug/L			
Br	81	12478.017	ug/L			
Y	89	320404.21	ug/L			
Mo	95	0.042706	217.005	ug/L	0.009	
Rh	103	339452.15	ug/L			
Ag	107	0.027509	785.042	ug/L	0.004	
Ag	109	0.021911	674.698	ug/L	0.003	
Cd	111	0.018317	57.334	ug/L	0.002	
Cd	114	0.019601	140.002	ug/L	0	
In	115	434630.26	ug/L			
Sb	121	0.068958	1250.098	ug/L	0.001	
Sb	123	0.069678	962.334	ug/L	0.004	
Ba	137	0.043365	233.339	ug/L	0.001	
Ba	138	0.046745	1520.632	ug/L	0	
Tb	159	583610.29	ug/L			
Ho	165	560648.15	ug/L			
Hg	200	0.0016	24	ug/L	0.001	
Hg	202	0.003248	33	ug/L	0.002	
Tl	205	0.001027	229.339	ug/L	0.001	
Pb	208	0.098132	4046.723	ug/L	0.02	
Bi	209	393156.1	ug/L			
Se	77	2.264689	649.357	mg/L	0.57	
Se	78	-1.179083	11686.67	mg/L	0.098	
Se	82	0.432141	39.405	mg/L	0.056	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	87.839							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.648
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.959
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.621
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Friday August 26 2011 4:35:39
Autosampl Position: 84
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18465
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4386.392		ug/L						
Be	9	-0.001162	6	ug/L	0.013					
B	10	-0.063198	34.667	ug/L	0.212					
B	11	-0.09912	131.669	ug/L	0.025					
C	12	294627.15		ug/L						
Na	23	-0.625274	11535.13	ug/L	0.024					
Mg	24	0.141393	866.795	ug/L	0.001					
Mg	25	0.164072	140.015	ug/L	0.095					
Al	27	0.047913	4238.079	ug/L	0.046					
Si	28	47404.68		ug/L						
P	31	2.630089	12379.66	ug/L	1.483					
S	32	63876021		ug/L						
Cl	35	6872462.5		ug/L						
K	39	8.882747	734960.6	ug/L	0.4					
Ca	44	52.901016	35442.52	ug/L	2.044					
Sc	45	112188.07		ug/L						
Ti	47	0.131619	185.337	ug/L	0.022					
Ti	48	-0.101765	-2303.86	ug/L	0.015					
V	51	3.69175	44321.89	ug/L	0.105					
ClO	51	44999.882		ug/L						
Cr	52	0.219893	6616.084	ug/L	0.022					
Cr	53	10.570672	13921.12	ug/L	0.484					
Fe	54	12.85885	74929.42	ug/L	3.648					
Mn	55	-0.000683	761.04	ug/L	0.003					
Fe	56	27.241655	1771029	ug/L	3.116					
Fe	57	-0.795761	5985.904	ug/L	1.25					
Co	59	-0.003252	41.334	ug/L	0					
Ni	60	0.010444	59.334	ug/L	0.01					
Ni	62	0.034654	44.334	ug/L	0.026					
Cu	63	0.013558	136.669	ug/L	0.001					
Zn	64	0.588005	1733.088	ug/L	0.015					
Cu	65	0.016963	72.334	ug/L	0.002					
Zn	66	0.671688	1117.413	ug/L	0.045					
Zn	68	0.700072	866.383	ug/L	0.031					
Ge	72	119493.61		ug/L						
As	75	-0.040031	430.537	ug/L	0.053					
Se	74	-3.192391	9794.675	mg/L	12.493					
ArCl	77	592.025		ug/L						

Br	79	1299.773	ug/L						
Br	81	12429.618	ug/L						
Y	89	306668.87	ug/L						
Mo	95	0.005259	99.002	ug/L	0.004				
Rh	103	331859.36	ug/L						
Ag	107	-0.024238	298.008	ug/L	0.005				
Ag	109	-0.022843	266.007	ug/L	0.005				
Cd	111	0.000349	13.333	ug/L	0				
Cd	114	0.001551	35.667	ug/L	0.001				
In	115	426514.79	ug/L						
Sb	121	0.017639	794.376	ug/L	0.001				
Sb	123	0.017161	607.379	ug/L	0.004				
Ba	137	0.001841	56.334	ug/L	0.002				
Ba	138	0.004095	345.195	ug/L	0				
Tb	159	557851.58	ug/L						
Ho	165	540843.45	ug/L						
Hg	200	-0.000537	18.667	ug/L	0.001				
Hg	202	-0.000395	21.667	ug/L	0				
Tl	205	-0.000724	177.67	ug/L	0				
Pb	208	0.017283	1112.038	ug/L	0				
Bi	209	390707.25	ug/L						
Se	77	1.695038	594.686	mg/L	0.472				
Se	78	-2.385395	11346.4	mg/L	1.562				
Se	82	0.224675	10.768	mg/L	0.203				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	85.679							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	91.477
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.13
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.996
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: BLK
Sample Date/Time Friday August 26 2011 4:42:25
Autosampl Position: 85
Sample Descriptior 25-Aug A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\BLK.18466
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4362.381		ug/L						
Be	9	-0.006293	5	ug/L	0.002					
B	10	0.164954	46.667	ug/L	0.061					
B	11	0.233287	208.004	ug/L	0.024					
C	12	379014.22		ug/L						
Na	23	4.125271	32671.87	ug/L	0.003					
Mg	24	4.559811	14416.2	ug/L	0.105					
Mg	25	4.867501	2173.811	ug/L	0.251					
Al	27	4.757945	26273.88	ug/L	0.135					
Si	28	57208.48		ug/L						
P	31	7.794438	13968.82	ug/L	4.351					
S	32	65988624		ug/L						
Cl	35	6962572.2		ug/L						
K	39	11.899119	774371.2	ug/L	0.048					
Ca	44	61.762727	38197.24	ug/L	3.279					
Sc	45	115272.9		ug/L						
Ti	47	0.144238	197.004	ug/L	0.033					
Ti	48	-0.067102	-2178.43	ug/L	0.012					
V	51	3.361994	43182.42	ug/L	0.035					
ClO	51	44316.198		ug/L						
Cr	52	0.208437	6732.443	ug/L	0.005					
Cr	53	9.9635	13840.67	ug/L	0.225					
Fe	54	14.966753	77924.77	ug/L	1.575					
Mn	55	0.004498	828.713	ug/L	0.007					
Fe	56	29.792641	1840060	ug/L	2.242					
Fe	57	3.795167	6973.372	ug/L	1.355					
Co	59	-0.002242	49.334	ug/L	0					
Ni	60	0.007552	56.667	ug/L	0.007					
Ni	62	0.017755	41.667	ug/L	0.043					
Cu	63	0.027538	189.337	ug/L	0					
Zn	64	2.746466	5331.616	ug/L	0.001					
Cu	65	0.035757	106.335	ug/L	0.003					
Zn	66	2.816194	3204.597	ug/L	0.041					
Zn	68	2.881686	2372.333	ug/L	0.1					
Ge	72	121987.88		ug/L						
As	75	-0.055246	420.198	ug/L	0.058					
Se	74	2.30369	11203.17	mg/L	16.335					
ArCl	77	600.026		ug/L						

Br	79	807.377	ug/L						
Br	81	11977.672	ug/L						
Y	89	318452.49	ug/L						
Mo	95	0.006476	105.002	ug/L	0.001				
Rh	103	340331.88	ug/L						
Ag	107	-0.021805	330.676	ug/L	0.001				
Ag	109	-0.018817	311.675	ug/L	0.004				
Cd	111	0.001808	17.334	ug/L	0.002				
Cd	114	0.002778	44.001	ug/L	0.001				
In	115	440485.71	ug/L						
Sb	121	0.01476	795.043	ug/L	0.004				
Sb	123	0.010967	585.923	ug/L	0.004				
Ba	137	0.014061	110.668	ug/L	0				
Ba	138	0.012866	599.717	ug/L	0.002				
Tb	159	582115.01	ug/L						
Ho	165	565595.53	ug/L						
Hg	200	-0.001396	17.667	ug/L	0.001				
Hg	202	-0.002103	17.667	ug/L	0				
Tl	205	-0.000935	180.337	ug/L	0				
Pb	208	0.015833	1110.704	ug/L	0				
Bi	209	406071.55	ug/L						
Se	77	2.250795	648.023	mg/L	0.55				
Se	78	-1.645951	11554.98	mg/L	0.63				
Se	82	0.00785	-19.16	mg/L	0.021				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	88.035							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.387
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	99.279
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.527
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Friday August 26 2011 4:49:07
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.18467
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4345.038		ug/L						
Be	9	-0.002959	6	ug/L	0.004					
B	10	-0.125575	34	ug/L	0.085					
B	11	0.033467	171.003	ug/L	0.017					
C	12	299193.2		ug/L						
Na	23	-0.314155	13751.77	ug/L	0.152					
Mg	24	0.258118	1300.224	ug/L	0.053					
Mg	25	0.215665	173.352	ug/L	0.036					
Al	27	0.143998	4998.54	ug/L	0.032					
Si	28	49643.473		ug/L						
P	31	2.531712	13214.25	ug/L	2.109					
S	32	64834463		ug/L						
Cl	35	6896824		ug/L						
K	39	1.759615	738820.8	ug/L	1.816					
Ca	44	45.010433	36245.73	ug/L	3.24					
Sc	45	119985.37		ug/L						
Ti	47	0.102478	182.67	ug/L	0					
Ti	48	-0.090703	-2400.2	ug/L	0.015					
V	51	3.027289	42443.28	ug/L	0.143					
ClO	51	43016.301		ug/L						
Cr	52	0.111131	6419.139	ug/L	0.009					
Cr	53	8.862793	13524.86	ug/L	0.499					
Fe	54	2.014257	75190.07	ug/L	3.347					
Mn	55	-0.005526	768.04	ug/L	0.001					
Fe	56	11.458236	1764674	ug/L	0.155					
Fe	57	-2.564507	6069.299	ug/L	0.274					
Co	59	-0.003142	45.001	ug/L	0					
Ni	60	0.002534	51.001	ug/L	0.004					
Ni	62	0.031471	46.667	ug/L	0.015					
Cu	63	0.006645	121.002	ug/L	0.001					
Zn	64	0.09227	1004.598	ug/L	0.025					
Cu	65	0.008267	62.001	ug/L	0.001					
Zn	66	0.123232	648.03	ug/L	0.005					
Zn	68	0.162381	546.022	ug/L	0.025					
Ge	72	121866.09		ug/L						
As	75	-0.106536	356.857	ug/L	0.007					
Se	74	4.975468	11832.51	mg/L	2.7					
ArCl	77	595.359		ug/L						

Br	79	1276.436	ug/L						
Br	81	11494.377	ug/L						
Y	89	322064.54	ug/L						
Mo	95	0.010852	118.669	ug/L	0.007				
Rh	103	340436.88	ug/L						
Ag	107	-0.011886	415.347	ug/L	0.001				
Ag	109	-0.007636	405.346	ug/L	0.003				
Cd	111	0.000421	13.667	ug/L	0				
Cd	114	0.002296	40.334	ug/L	0				
In	115	431327.28	ug/L						
Sb	121	0.017254	799.71	ug/L	0.003				
Sb	123	0.02096	638.927	ug/L	0.001				
Ba	137	0.008705	85.668	ug/L	0.004				
Ba	138	0.009288	490.504	ug/L	0.001				
Tb	159	587171.88	ug/L						
Ho	165	566988.25	ug/L						
Hg	200	-0.001711	17	ug/L	0				
Hg	202	-0.001781	18.667	ug/L	0.001				
Tl	205	-0.000206	199.671	ug/L	0.001				
Pb	208	0.007897	826.023	ug/L	0.001				
Bi	209	427385.97	ug/L						
Se	77	1.167073	544.016	mg/L	0.629				
Se	78	-2.311974	11367.11	mg/L	0.114				
Se	82	0.303238	21.613	mg/L	0.397				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.634							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.294
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.215
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	103.782
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Friday August 26 2011 4:56:16
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.18468
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4387.725		ug/L						
Be	9	73.616772	16518.49	ug/L	0.388					
B	10	77.850674	3669.444	ug/L	0.658					
B	11	81.202988	17368.42	ug/L	1.105					
C	12	309629		ug/L						
Na	23	93.317221	410790.7	ug/L	2.696					
Mg	24	93.875815	279138.3	ug/L	0.261					
Mg	25	93.361112	39144.79	ug/L	4.661					
Al	27	95.521924	435095.5	ug/L	1.038					
Si	28	169665.68		ug/L						
P	31	7.890606	13568.14	ug/L	1.181					
S	32	64912175		ug/L						
Cl	35	6527849.7		ug/L						
K	39	1001.0321	6851897	ug/L	12.021					
Ca	44	157.70184	55759.38	ug/L	1.022					
Sc	45	111795.2		ug/L						
Ti	47	104.1927	52213.03	ug/L	0.49					
Ti	48	107.69973	565492.2	ug/L	1.025					
V	51	107.30288	764376	ug/L	0.248					
ClO	51	778886.74		ug/L						
Cr	52	110.22861	626089.5	ug/L	0.16					
Cr	53	108.79096	86951.06	ug/L	0.321					
Fe	54	140.55684	128964.3	ug/L	3.578					
Mn	55	107.46981	946871.1	ug/L	0.679					
Fe	56	183.15348	2958414	ug/L	12.086					
Fe	57	108.58402	25010.21	ug/L	4.259					
Co	59	111.17208	732276.6	ug/L	0.573					
Ni	60	108.19254	159655.3	ug/L	0.967					
Ni	62	106.41826	23966.79	ug/L	1.613					
Cu	63	108.63624	368573	ug/L	0.563					
Zn	64	101.87486	163320.5	ug/L	0.666					
Cu	65	110.63781	182626.6	ug/L	0.227					
Zn	66	102.66072	95947.96	ug/L	0.057					
Zn	68	105.1586	69699.88	ug/L	0.427					
Ge	72	120844.55		ug/L						
As	75	105.08799	130115.3	ug/L	0.883					
Se	74	-0.58377	10504.74	mg/L	11.525					
ArCl	77	8901.111		ug/L						

Br	79	1169.754	ug/L			
Br	81	11867.86	ug/L			
Y	89	314289.39	ug/L			
Mo	95	101.00642	313711.5	ug/L	0.993	
Rh	103	329944.94	ug/L			
Ag	107	61.763871	580062.9	ug/L	1.572	
Ag	109	63.611661	579489.6	ug/L	0.23	
Cd	111	99.970031	245403	ug/L	1.656	
Cd	114	99.162741	574343.3	ug/L	1.95	
In	115	438387.03	ug/L			
Sb	121	93.744116	812735.7	ug/L	2.572	
Sb	123	94.553753	624631.9	ug/L	3.286	
Ba	137	105.39724	450392.1	ug/L	2.007	
Ba	138	104.52163	2889352	ug/L	0.643	
Tb	159	573595.19	ug/L			
Ho	165	548957.03	ug/L			
Hg	200	0.975204	2093.929	ug/L	0.008	
Hg	202	0.990853	2830.802	ug/L	0.014	
Tl	205	102.63497	2589404	ug/L	1.68	
Pb	208	96.473836	3380300	ug/L	2.715	
Bi	209	398410.78	ug/L			
Se	77	87.069665	8788.246	mg/L	0.511	
Se	78	94.103207	38563.27	mg/L	1.449	
Se	82	85.304211	11754.44	mg/L	1.464	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	72.888							
|	B	77.618							
|	B	80.96							
|	C								
|	Na	92.12							
|	Mg	92.946							
|	Mg	92.437							
|	Al	95.141							
|	Si								
|	P								
|	S								
|	Cl								
|	K	99.804							
|	Ca	156.295							
|>	Sc	85.379							
|	Ti	104.193							
|	Ti	107.7							
|	V	106.875							
|	ClO								
|	Cr	109.137							

|	Cr	107.714
|	Fe	139.719
|	Mn	107.042
|	Fe	182.061
|	Fe	107.936
|	Co	110.509
|	Ni	107.334
|	Ni	105.574
|	Cu	108.745
|	Zn	101.167
|	Cu	110.749
|	Zn	101.947
|-	Zn	104.428
|>	Ge	92.512
|	As	105.722
|	Se	-0.583
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	100.704
|-	Rh	
|	Ag	61.274
|	Ag	63.107
|	Cd	99.473
|	Cd	98.669
|>	In	98.806
|	Sb	93.464
|	Sb	94.271
|	Ba	104.665
|-	Ba	103.795
|-	Tb	
|>	Ho	100.481
|	Hg	97.52
|	Hg	99.085
|	Tl	102.635
|	Pb	96.474
|-	Bi	
	Se	86.896
	Se	93.915
	Se	85.134

Sample ID: QC Std 5
Sample Date/Time Friday August 26 2011 5:03:25
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.18469
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4271.67		ug/L						
Be	9	31.697711	7310.345	ug/L	0.535					
B	10	129.01527	6222.191	ug/L	1.854					
B	11	134.47913	29457.98	ug/L	0.351					
C	12	316101.18		ug/L						
Na	23	2.205919	24174.53	ug/L	0.053					
Mg	24	0.2462	1203.534	ug/L	0.069					
Mg	25	0.314152	206.69	ug/L	0.193					
Al	27	171.56523	799107	ug/L	7.703					
Si	28	90817.189		ug/L						
P	31	1.765949	12456.44	ug/L	3.565					
S	32	64114912		ug/L						
Cl	35	6543537		ug/L						
K	39	7.703595	744670.9	ug/L	4.275					
Ca	44	55.48436	36777.92	ug/L	8.47					
Sc	45	114884.51		ug/L						
Ti	47	0.153063	200.671	ug/L	0.024					
Ti	48	-0.080311	-2241.88	ug/L	0.006					
V	51	28.707232	223931.3	ug/L	1.131					
ClO	51	228270.67		ug/L						
Cr	52	53.886694	317123	ug/L	2.054					
Cr	53	56.235009	49140.61	ug/L	2.183					
Fe	54	212.56537	163790.5	ug/L	24.836					
Mn	55	113.35922	1025605	ug/L	4.187					
Fe	56	265.23513	3682715	ug/L	19.375					
Fe	57	194.48711	41070.05	ug/L	0.204					
Co	59	26.023086	176061.6	ug/L	1.069					
Ni	60	217.82766	330026.3	ug/L	9.158					
Ni	62	214.40307	49535.77	ug/L	11.376					
Cu	63	83.157491	289740	ug/L	3.294					
Zn	64	102.11638	168146.6	ug/L	2.672					
Cu	65	83.784153	142020.2	ug/L	3.622					
Zn	66	105.45302	101197.1	ug/L	4.002					
Zn	68	110.8691	75452.25	ug/L	3.22					
Ge	72	120231.29		ug/L						
As	75	45.315671	56090.56	ug/L	0.716					
Se	74	8.842849	12499.66	mg/L	11.256					
ArCl	77	14117.428		ug/L						

Br	79	1218.761	ug/L			
Br	81	11975.671	ug/L			
Y	89	317294.54	ug/L			
Mo	95	44.780606	138425.2	ug/L	0.152	
Rh	103	326099.53	ug/L			
Ag	107	54.788115	494308.2	ug/L	1.14	
Ag	109	54.464469	476707.9	ug/L	0.6	
Cd	111	24.16973	57013.15	ug/L	0.425	
Cd	114	23.931815	133196.5	ug/L	0.397	
In	115	421151.78	ug/L			
Sb	121	53.525121	446013.6	ug/L	0.619	
Sb	123	53.909283	342279	ug/L	0.55	
Ba	137	155.67256	639112.8	ug/L	0.995	
Ba	138	153.36555	4072872	ug/L	1.825	
Tb	159	573270.85	ug/L			
Ho	165	550069.73	ug/L			
Hg	200	0.991145	2131.271	ug/L	0.035	
Hg	202	1.009094	2887.487	ug/L	0.031	
Tl	205	14.250795	360393.5	ug/L	0.287	
Pb	208	100.56182	3530675	ug/L	1.96	
Bi	209	385614.8	ug/L			
Se	77	143.05947	14161.69	mg/L	2.184	
Se	78	153.31124	55264.29	mg/L	0.547	
Se	82	142.37329	19631.78	mg/L	0.617	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	74.408							
|	B	80.635							
|	B	84.049							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	97.48							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	87.738							
|	Ti								
|	Ti								
|	V	115.29							
|	ClO								
|	Cr	109.526							

|	Cr	114.299
|	Fe	118.752
|	Mn	106.943
|	Fe	148.176
|	Fe	108.652
|	Co	111.687
|	Ni	106.778
|	Ni	105.1
|	Cu	106.34
|	Zn	97.254
|	Cu	107.141
|	Zn	100.431
|-	Zn	105.59
|>	Ge	92.042
|	As	115.014
|	Se	5.527
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	106.875
|-	Rh	
|	Ag	108.923
|	Ag	108.279
|	Cd	104.18
|	Cd	103.154
|>	In	94.921
|	Sb	115.108
|	Sb	115.934
|	Ba	110.406
|-	Ba	108.77
|-	Tb	
|>	Ho	100.685
|	Hg	99.114
|	Hg	100.909
|	Tl	100.358
|	Pb	96.694
|-	Bi	
	Se	89.412
	Se	95.82
	Se	88.983

Sample ID: QC Std 6
Sample Date/Time Friday August 26 2011 5:10:34
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.1847
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4311.689		ug/L						
Be	9	0.007947	8.667	ug/L	0.011					
B	10	0.541079	67.334	ug/L	0.128					
B	11	0.660423	313.342	ug/L	0.13					
C	12	328450.79		ug/L						
Na	23	9233.2066	42132905	ug/L	50.059					
Mg	24	9191.7905	29286250	ug/L	83.856					
Mg	25	9432.0157	4237407	ug/L	133.844					
Al	27	9560.376	46327027	ug/L	228.02					
Si	28	51996.803		ug/L						
P	31	9962.6276	2512638	ug/L	45.302					
S	32	61924597		ug/L						
Cl	35	1537851.8		ug/L						
K	39	9807.6014	65642102	ug/L	145.677					
Ca	44	9889.6052	2097677	ug/L	77.529					
Sc	45	119993.64		ug/L						
Ti	47	25.083868	13584.61	ug/L	0.631					
Ti	48	8.99797	48920.68	ug/L	0.802					
V	51	0.863309	26284.92	ug/L	0.255					
ClO	51	26984.963		ug/L						
Cr	52	0.082956	6247.286	ug/L	0.031					
Cr	53	2.174626	8180.431	ug/L	0.729					
Fe	54	10257.369	4753920	ug/L	160.343					
Mn	55	0.083264	1607.492	ug/L	0.004					
Fe	56	10356.14	86736221	ug/L	43.085					
Fe	57	10532.303	1974667	ug/L	114.871					
Co	59	0.033208	301.675	ug/L	0.003					
Ni	60	0.254221	449.682	ug/L	0.004					
Ni	62	0.100885	63.334	ug/L	0.038					
Cu	63	0.238167	963.727	ug/L	0.004					
Zn	64	0.672169	1997.03	ug/L	0.044					
Cu	65	0.165631	341.01	ug/L	0.012					
Zn	66	0.623205	1147.084	ug/L	0.001					
Zn	68	0.579724	841.381	ug/L	0					
Ge	72	123586.51		ug/L						
As	75	0.016116	517.291	ug/L	0.063					
Se	74	-0.873403	10693.16	mg/L	9.39					
ArCl	77	316.675		ug/L						

Br	79	812.711	ug/L			
Br	81	12027.738	ug/L			
Y	89	318433.96	ug/L			
Mo	95	0.218212	777.708	ug/L	0.035	
Rh	103	322280.99	ug/L			
Ag	107	0.239269	2694.095	ug/L	0.032	
Ag	109	0.233162	2524.377	ug/L	0.023	
Cd	111	0.014656	47.334	ug/L	0	
Cd	114	0.013206	101.002	ug/L	0.002	
In	115	425003.7	ug/L			
Sb	121	0.796175	7330.037	ug/L	0.067	
Sb	123	0.80003	5614.6	ug/L	0.046	
Ba	137	0.062226	306.342	ug/L	0.002	
Ba	138	0.062231	1901.89	ug/L	0.001	
Tb	159	567205.11	ug/L			
Ho	165	554192.48	ug/L			
Hg	200	0.010268	42.334	ug/L	0	
Hg	202	0.009555	50.667	ug/L	0	
Tl	205	0.00689	376.012	ug/L	0.001	
Pb	208	0.050568	2317.137	ug/L	0.001	
Bi	209	382444.14	ug/L			
Se	77	-1.472713	290.671	mg/L	0.118	
Se	78	-0.273666	11942.06	mg/L	0.347	
Se	82	0.162259	2.153	mg/L	0.131	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	92.332							
|	Mg	91.918							
|	Mg	94.32							
|	Al	95.604							
|	Si								
|	P	99.626							
|	S								
|	Cl								
|	K	98.076							
|	Ca	98.896							
|>	Sc	91.64							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	102.574
|	Mn	
|	Fe	103.561
|	Fe	105.323
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	94.611
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	95.79
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	101.439
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: filter BLK
Sample Date/Time Friday August 26 2011 5:17:49
Autosampl Position: 86
Sample Descriptior 25-Aug A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ BLK.18471
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4913.327		ug/L						
Be	9	-0.014523	3.333	ug/L	0					
B	10	0.437852	64.334	ug/L	0.098					
B	11	0.562325	301.341	ug/L	0.016					
C	12	451632.34		ug/L						
Na	23	20.542055	112624.9	ug/L	0.515					
Mg	24	7.288751	24505.43	ug/L	0.166					
Mg	25	7.331213	3484.35	ug/L	0.097					
Al	27	5.985748	34421.83	ug/L	0.26					
Si	28	64951.006		ug/L						
P	31	2.39025	13628.24	ug/L	2.548					
S	32	63867386		ug/L						
Cl	35	7254724.8		ug/L						
K	39	8.047331	807159	ug/L	0.163					
Ca	44	125.02944	54803.5	ug/L	6.316					
Sc	45	124079.76		ug/L						
Ti	47	0.11591	196.337	ug/L	0.005					
Ti	48	0.074233	-1518.53	ug/L	0.002					
V	51	1.628556	33100.5	ug/L	0.167					
ClO	51	33539.437		ug/L						
Cr	52	0.034494	6158.356	ug/L	0.031					
Cr	53	4.742047	10584.6	ug/L	0.396					
Fe	54	9.127266	81133.44	ug/L	3.207					
Mn	55	0.266795	3455.024	ug/L	0.001					
Fe	56	1.615312	1741097	ug/L	3.27					
Fe	57	3.976895	7540.546	ug/L	0.33					
Co	59	-0.002946	48.001	ug/L	0.001					
Ni	60	0.014638	72.668	ug/L	0.005					
Ni	62	-0.002892	39.667	ug/L	0.027					
Cu	63	0.244451	1020.401	ug/L	0					
Zn	64	10.978599	20312.31	ug/L	0.281					
Cu	65	0.251902	510.353	ug/L	0					
Zn	66	11.619102	12534.09	ug/L	0.014					
Zn	68	11.503668	8860.071	ug/L	0.076					
Ge	72	126884.69		ug/L						
As	75	-0.115453	359.872	ug/L	0.042					
Se	74	1.535903	11514.3	mg/L	11.27					
ArCl	77	537.688		ug/L						

Br	79	801.71	ug/L						
Br	81	11911.584	ug/L						
Y	89	326711.94	ug/L						
Mo	95	0.069007	313.009	ug/L	0.008				
Rh	103	341706.18	ug/L						
Ag	107	0.080681	1282.103	ug/L	0.009				
Ag	109	0.079181	1194.091	ug/L	0.011				
Cd	111	0.00215	18	ug/L	0.002				
Cd	114	0.004086	51.001	ug/L	0.002				
In	115	435507.67	ug/L						
Sb	121	0.247776	2791.457	ug/L	0.019				
Sb	123	0.235696	2052.896	ug/L	0.005				
Ba	137	0.329573	1448.797	ug/L	0.006				
Ba	138	0.335924	9464.62	ug/L	0.004				
Tb	159	559428.2	ug/L						
Ho	165	548911.72	ug/L						
Hg	200	0.001204	22.667	ug/L	0.001				
Hg	202	0.002431	30	ug/L	0				
Tl	205	0.000247	205.004	ug/L	0.001				
Pb	208	0.054096	2418.484	ug/L	0.001				
Bi	209	399097.88	ug/L						
Se	77	0.916984	520.015	mg/L	0.511				
Se	78	-0.478034	11884.42	mg/L	0.437				
Se	82	0.243995	13.435	mg/L	0.457				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.761							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.136
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.157
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.473
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: Ag LCS
Sample Date/Time Friday August 26 2011 5:24:35
Autosampl Position: 87
Sample Descriptior 25-Aug A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ LCS.18472
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4969.358		ug/L						
Be	9	-0.005319	5.667	ug/L	0.002					
B	10	0.415312	63.668	ug/L	0.099					
B	11	0.461628	279.674	ug/L	0.029					
C	12	427046.74		ug/L						
Na	23	-0.230234	14730.07	ug/L	0.086					
Mg	24	0.508346	2183.814	ug/L	0.012					
Mg	25	0.464132	296.701	ug/L	0.212					
Al	27	1.506343	12082.57	ug/L	0.049					
Si	28	63450.313		ug/L						
P	31	-3.273365	12252.81	ug/L	1.009					
S	32	65882130		ug/L						
Cl	35	7208032.1		ug/L						
K	39	0.864389	763593.2	ug/L	0.072					
Ca	44	32.277627	34987.37	ug/L	2.87					
Sc	45	124996.12		ug/L						
Ti	47	0.077502	176.337	ug/L	0.009					
Ti	48	-0.038795	-2195.38	ug/L	0.011					
V	51	1.83698	34973.16	ug/L	0.042					
ClO	51	35565.79		ug/L						
Cr	52	0.077724	6477.248	ug/L	0.022					
Cr	53	5.285418	11116.9	ug/L	0.111					
Fe	54	-1.677244	76586.66	ug/L	3.906					
Mn	55	-0.007117	784.375	ug/L	0.003					
Fe	56	5.311388	1785763	ug/L	0.412					
Fe	57	-3.86827	6069.299	ug/L	0.789					
Co	59	-0.001766	57.001	ug/L	0.001					
Ni	60	0.001818	52.001	ug/L	0.004					
Ni	62	0.007707	42.667	ug/L	0.015					
Cu	63	0.015416	159.336	ug/L	0.003					
Zn	64	2.71115	5718.353	ug/L	0.027					
Cu	65	0.017711	82.001	ug/L	0.001					
Zn	66	2.807069	3465.362	ug/L	0.023					
Zn	68	2.902773	2588.061	ug/L	0.001					
Ge	72	125677.42		ug/L						
As	75	-0.105084	369.744	ug/L	0.105					
Se	74	4.988533	12201.83	mg/L	4.676					
ArCl	77	552.022		ug/L						

Br	79	819.712	ug/L						
Br	81	12040.428	ug/L						
Y	89	330506	ug/L						
Mo	95	0.032448	192.004	ug/L	0.004				
Rh	103	339781.72	ug/L						
Ag	107	102.99779	987137.7	ug/L	1.109				
Ag	109	103.69716	964286.3	ug/L	0.045				
Cd	111	0.002879	20.334	ug/L	0				
Cd	114	0.00373	50.334	ug/L	0				
In	115	447644.22	ug/L						
Sb	121	0.128711	1815.199	ug/L	0.009				
Sb	123	0.128966	1391.346	ug/L	0.007				
Ba	137	0.010597	97.335	ug/L	0				
Ba	138	0.013251	620.482	ug/L	0.001				
Tb	159	571282.47	ug/L						
Ho	165	559426.35	ug/L						
Hg	200	-0.000224	20	ug/L	0				
Hg	202	-0.001449	19.334	ug/L	0.001				
Tl	205	-0.000416	191.671	ug/L	0				
Pb	208	0.012924	994.698	ug/L	0				
Bi	209	401804.4	ug/L						
Se	77	0.666896	496.014	mg/L	0.275				
Se	78	-0.717569	11816.85	mg/L	0.296				
Se	82	0.102413	-6.108	mg/L	0.175				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.46							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.211
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.892
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.398
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LCS
Sample Date/Time Friday August 26 2011 5:31:21
Autosampl Position: 88
Sample Descriptior 25-Aug A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LCS.18473
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5434.959		ug/L						
Be	9	911.37322	225045.7	ug/L	23.201					
B	10	0.635172	74.001	ug/L	0.174					
B	11	0.499667	284.341	ug/L	0.156					
C	12	872659.94		ug/L						
Na	23	11159.355	52226267	ug/L	97.521					
Mg	24	11018.013	36009047	ug/L	231.995					
Mg	25	11048.913	5090389	ug/L	386.895					
Al	27	11311.966	56202617	ug/L	249.573					
Si	28	71520.846		ug/L						
P	31	10366.671	2680976	ug/L	308.147					
S	32	66141169		ug/L						
Cl	35	9316865		ug/L						
K	39	11044.639	75738770	ug/L	311.131					
Ca	44	11242.464	2441688	ug/L	119.886					
Sc	45	123062.02		ug/L						
Ti	47	23.712155	13180.68	ug/L	0.429					
Ti	48	11.178652	62865.55	ug/L	0.43					
V	51	1029.2058	7895454	ug/L	3.455					
ClO	51	8044499.7		ug/L						
Cr	52	1045.0686	6484167	ug/L	2.666					
Cr	53	910.25644	752094.9	ug/L	0.162					
Fe	54	11673.491	5539280	ug/L	82.288					
Mn	55	1048.9769	10166038	ug/L	0.563					
Fe	56	11438.648	98080611	ug/L	81.508					
Fe	57	12226.614	2350146	ug/L	69.32					
Co	59	1043.4981	7565317	ug/L	5.276					
Ni	60	954.7735	1550520	ug/L	8.072					
Ni	62	951.68923	235611.6	ug/L	13.255					
Cu	63	973.75009	3635789	ug/L	5.913					
Zn	64	974.51399	1712243	ug/L	5.809					
Cu	65	939.77439	1707234	ug/L	0.703					
Zn	66	1002.8645	1027028	ug/L	0.366					
Zn	68	1027.1667	745522	ug/L	8.45					
Ge	72	124769.32		ug/L						
As	75	1002.0934	1276339	ug/L	26.651					
Se	74	31.59134	18122.33	mg/L	21.525					
ArCl	77	90464.451		ug/L						

Br	79	2755.445	ug/L						
Br	81	13408.348	ug/L						
Y	89	318339.45	ug/L						
Mo	95	1061.7616	3402535	ug/L	32.979				
Rh	103	310939.25	ug/L						
Ag	107	465.95181	4157664	ug/L	47.187				
Ag	109	448.04269	3878081	ug/L	14.877				
Cd	111	1028.7619	2401164	ug/L	7.88				
Cd	114	1030.6698	5675990	ug/L	0.87				
In	115	416804.9	ug/L						
Sb	121	1113.8483	9173845	ug/L	34.18				
Sb	123	1118.2046	7017178	ug/L	24.386				
Ba	137	1052.5663	4276392	ug/L	6.628				
Ba	138	1043.5551	27426459	ug/L	5.016				
Tb	159	536609.96	ug/L						
Ho	165	522432.91	ug/L						
Hg	200	1.020179	2082.259	ug/L	0.056				
Hg	202	1.021465	2775.785	ug/L	0.03				
Tl	205	1024.6796	24590841	ug/L	40.134				
Pb	208	1005.8678	33526310	ug/L	39.676				
Bi	209	369609.68	ug/L						
Se	77	928.52409	89544.17	mg/L	0.337				
Se	78	1025.8464	301383.3	mg/L	9.2				
Se	82	918.41539	126750.2	mg/L	3.86				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.983							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.516
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.942
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.626
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: filter LCS
Sample Date/Time Friday August 26 2011 5:38:08
Autosampl Position: 89
Sample Descriptior 25-Aug A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ LCS.18474
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5892.576		ug/L						
Be	9	934.32979	234102.3	ug/L	21.586					
B	10	0.634091	75.001	ug/L	0.073					
B	11	0.517465	292.674	ug/L	0.019					
C	12	910031.71		ug/L						
Na	23	10927.232	51893200	ug/L	305.38					
Mg	24	10863.531	36027231	ug/L	148.379					
Mg	25	10807.994	5052157	ug/L	377.576					
Al	27	11076.674	55841213	ug/L	328.681					
Si	28	73305.101		ug/L						
P	31	10068.224	2642304	ug/L	310.127					
S	32	63994027		ug/L						
Cl	35	9240597.1		ug/L						
K	39	10987.281	76457557	ug/L	156.742					
Ca	44	11267.177	2482995	ug/L	335.142					
Sc	45	124889.36		ug/L						
Ti	47	22.327713	12604.86	ug/L	0.502					
Ti	48	9.606001	54581.74	ug/L	1.374					
V	51	993.2346	7733382	ug/L	3.706					
ClO	51	7888460.4		ug/L						
Cr	52	1021.8238	6434003	ug/L	7.586					
Cr	53	885.63145	742773	ug/L	8.217					
Fe	54	11309.001	5447948	ug/L	215.561					
Mn	55	1039.9021	10227451	ug/L	8.266					
Fe	56	11058.237	96282408	ug/L	1.092					
Fe	57	12194.525	2378848	ug/L	4.034					
Co	59	1010.5737	7435606	ug/L	2.888					
Ni	60	928.10834	1529638	ug/L	0.535					
Ni	62	918.90858	230885.2	ug/L	0.838					
Cu	63	950.21115	3600681	ug/L	1.98					
Zn	64	948.52027	1691408	ug/L	5.553					
Cu	65	910.12728	1677998	ug/L	10.421					
Zn	66	983.20045	1021853	ug/L	0.033					
Zn	68	1009.0744	743305	ug/L	4.625					
Ge	72	127860.9		ug/L						
As	75	964.70157	1259626	ug/L	2.518					
Se	74	40.174076	20647.89	mg/L	4.309					
ArCl	77	89141.8		ug/L						

Br	79	2496.034	ug/L			
Br	81	13645.706	ug/L			
Y	89	336768.28	ug/L			
Mo	95	1024.7655	3366651	ug/L	5.987	
Rh	103	317073.43	ug/L			
Ag	107	343.28471	3113438	ug/L	46.053	
Ag	109	337.94415	2973152	ug/L	22.511	
Cd	111	999.22694	2370099	ug/L	25.719	
Cd	114	1012.8907	5668804	ug/L	20.461	
In	115	423603.24	ug/L			
Sb	121	1082.1935	9057215	ug/L	39.931	
Sb	123	1091.2718	6959000	ug/L	40.016	
Ba	137	1021.5634	4217945	ug/L	27.139	
Ba	138	1006.981	26896291	ug/L	5.796	
Tb	159	541057.21	ug/L			
Ho	165	529102.22	ug/L			
Hg	200	0.953396	1973.234	ug/L	0.026	
Hg	202	0.972472	2677.755	ug/L	0.039	
Tl	205	990.66762	24087369	ug/L	24.656	
Pb	208	981.05259	33130724	ug/L	19.865	
Bi	209	382546.42	ug/L			
Se	77	910.17443	87783.12	mg/L	0.099	
Se	78	992.64224	292017.3	mg/L	10.093	
Se	82	909.0876	125462.7	mg/L	10.909	

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.379							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.883
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.474
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.847
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LCS
Sample Date/Time Friday August 26 2011 5:44:54
Autosampl Position: 90
Sample Descriptior 25-Aug A 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LCS.18475
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5740.479		ug/L						
Be	9	91.99929	23305.07	ug/L	2.247					
B	10	0.118759	48.667	ug/L	0.031					
B	11	-0.007044	170.337	ug/L	0.051					
C	12	438242.5		ug/L						
Na	23	1101.4496	5301383	ug/L	28.188					
Mg	24	1110.4	3722151	ug/L	36.589					
Mg	25	1043.3137	492998.2	ug/L	34.026					
Al	27	1132.507	5774288	ug/L	44.746					
Si	28	52211.394		ug/L						
P	31	1019.0407	282218.3	ug/L	24.167					
S	32	60525789		ug/L						
Cl	35	5768769.5		ug/L						
K	39	1141.6646	8716108	ug/L	12.076					
Ca	44	1145.6234	280578.6	ug/L	3.147					
Sc	45	126242.58		ug/L						
Ti	47	2.339542	1455.131	ug/L	0.026					
Ti	48	1.178232	5018.817	ug/L	0.053					
V	51	98.383936	793060.5	ug/L	1.577					
ClO	51	810798.09		ug/L						
Cr	52	101.95775	654271.4	ug/L	2.997					
Cr	53	93.173244	85055.89	ug/L	1.772					
Fe	54	1147.2131	628867	ug/L	11.515					
Mn	55	101.79084	1012629	ug/L	2.02					
Fe	56	1145.7243	11655638	ug/L	61.47					
Fe	57	1182.8003	239412.1	ug/L	33.035					
Co	59	100.56481	747902.4	ug/L	2.108					
Ni	60	97.698144	162786.8	ug/L	1.844					
Ni	62	96.241621	24475.49	ug/L	2.934					
Cu	63	98.358703	376798.6	ug/L	1.667					
Zn	64	98.648334	178589.9	ug/L	1.733					
Cu	65	97.747661	182182.9	ug/L	1.886					
Zn	66	101.89656	107532	ug/L	1.821					
Zn	68	104.08726	77897.44	ug/L	2.331					
Ge	72	129449.89		ug/L						
As	75	99.845676	132429.2	ug/L	2.778					
Se	74	13.133702	14540.48	mg/L	25.55					
ArCl	77	9591.153		ug/L						

Br	79	1416.124	ug/L						
Br	81	13156.979	ug/L						
Y	89	337242.15	ug/L						
Mo	95	103.53496	344434.4	ug/L	0.952				
Rh	103	331376.87	ug/L						
Ag	107	77.747647	722677	ug/L	0.306				
Ag	109	73.158646	660410.7	ug/L	4.625				
Cd	111	100.92854	245164.3	ug/L	3.048				
Cd	114	101.39359	581070.6	ug/L	3.664				
In	115	433991.36	ug/L						
Sb	121	108.63032	931692.6	ug/L	2.915				
Sb	123	110.18481	720080.4	ug/L	2.735				
Ba	137	102.88737	435108.8	ug/L	2.633				
Ba	138	103.057	2818680	ug/L	3.634				
Tb	159	555625.14	ug/L						
Ho	165	531631.95	ug/L						
Hg	200	0.109326	244.672	ug/L	0.004				
Hg	202	0.111761	329.009	ug/L	0.008				
Tl	205	104.91664	2563820	ug/L	0.186				
Pb	208	98.100328	3329526	ug/L	1.164				
Bi	209	405251.18	ug/L						
Se	77	94.648992	9515.648	mg/L	3.757				
Se	78	102.90305	41045.47	mg/L	2.718				
Se	82	95.539579	13167.25	mg/L	0.534				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.412							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.099
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.815
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.31
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Friday August 26 2011 5:51:40
Autosampl Position: 91
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18476
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5665.765		ug/L						
Be	9	0.067048	23.667	ug/L	0.002					
B	10	0.493719	67.334	ug/L	0.039					
B	11	0.708107	336.01	ug/L	0.013					
C	12	385665.19		ug/L						
Na	23	18.513803	103158.9	ug/L	0.112					
Mg	24	1.7682	6326.166	ug/L	0.005					
Mg	25	1.751338	893.467	ug/L	0.077					
Al	27	71.088451	360924	ug/L	0.419					
Si	28	58402.89		ug/L						
P	31	-2.476982	12383.01	ug/L	2.606					
S	32	62364963		ug/L						
Cl	35	8217785.9		ug/L						
K	39	7.155355	801981.5	ug/L	0.787					
Ca	44	35.559292	35482.67	ug/L	2.872					
Sc	45	124221.62		ug/L						
Ti	47	0.043445	156.336	ug/L	0.024					
Ti	48	0.00884	-1903.07	ug/L	0.009					
V	51	1.67766	33525.38	ug/L	0.061					
ClO	51	34564.266		ug/L						
Cr	52	0.080013	6451.431	ug/L	0.005					
Cr	53	4.847637	10685.72	ug/L	0.434					
Fe	54	8.619703	80975.64	ug/L	2.185					
Mn	55	0.092828	1757.187	ug/L	0.003					
Fe	56	-7.541727	1665366	ug/L	3.362					
Fe	57	2.84395	7330.354	ug/L	0.127					
Co	59	0.049976	435.348	ug/L	0.005					
Ni	60	0.194584	367.678	ug/L	0.002					
Ni	62	0.162236	81.001	ug/L	0.059					
Cu	63	0.36186	1464.133	ug/L	0.013					
Zn	64	4.570773	8979.552	ug/L	0.034					
Cu	65	0.371739	730.703	ug/L	0.013					
Zn	66	4.657655	5355.964	ug/L	0.036					
Zn	68	4.743504	3919.884	ug/L	0.032					
Ge	72	124287.92		ug/L						
As	75	0.215134	772.882	ug/L	0.101					
Se	74	-0.92924	10733.74	mg/L	7.479					
ArCl	77	531.021		ug/L						

Br	79	1061.073	ug/L						
Br	81	12251.706	ug/L						
Y	89	322678.89	ug/L						
Mo	95	1.029161	3373.994	ug/L	0.052				
Rh	103	329141.86	ug/L						
Ag	107	1.857755	17215.33	ug/L	0.354				
Ag	109	1.650718	14884.66	ug/L	0.095				
Cd	111	0.060929	155.67	ug/L	0.012				
Cd	114	0.06405	382.345	ug/L	0.009				
In	115	421104.39	ug/L						
Sb	121	3.364796	28596.33	ug/L	0.356				
Sb	123	3.409071	22073.89	ug/L	0.365				
Ba	137	0.082461	386.012	ug/L	0.011				
Ba	138	0.079701	2346.337	ug/L	0.006				
Tb	159	543012.47	ug/L						
Ho	165	523335.52	ug/L						
Hg	200	0.007367	34	ug/L	0.003				
Hg	202	0.006469	39.334	ug/L	0.005				
Tl	205	0.074502	1979.235	ug/L	0.006				
Pb	208	0.132777	4931.572	ug/L	0.006				
Bi	209	375510.93	ug/L						
Se	77	0.778048	506.681	mg/L	0.865				
Se	78	-1.361383	11635.25	mg/L	0.302				
Se	82	0.776205	86.897	mg/L	0.264				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.869							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.148
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.911
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.791
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Friday August 26 2011 5:58:26
Autosampl Position: 92
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18477
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5473.648		ug/L						
Be	9	0.019565	11.667	ug/L	0.013					
B	10	0.335837	58.334	ug/L	0.229					
B	11	0.444108	270.007	ug/L	0.068					
C	12	379180.73		ug/L						
Na	23	5.108938	39298.68	ug/L	0.011					
Mg	24	1.048686	3897.898	ug/L	0.145					
Mg	25	0.986085	530.069	ug/L	0.155					
Al	27	1.838167	13481.34	ug/L	0.063					
Si	28	54505.029		ug/L						
P	31	-0.829662	12633.37	ug/L	1.186					
S	32	64385463		ug/L						
Cl	35	7775542.8		ug/L						
K	39	5.976427	782839.8	ug/L	0.233					
Ca	44	29.122268	33612.04	ug/L	0.423					
Sc	45	122491.71		ug/L						
Ti	47	0.061439	164.003	ug/L	0					
Ti	48	-0.029501	-2097.76	ug/L	0.006					
V	51	1.777201	33816.79	ug/L	0.078					
ClO	51	34600.74		ug/L						
Cr	52	0.00637	5907.284	ug/L	0.015					
Cr	53	5.151825	10785.17	ug/L	0.186					
Fe	54	3.355967	77396.64	ug/L	2.019					
Mn	55	0.02973	1124.081	ug/L	0.002					
Fe	56	-3.452467	1676504	ug/L	2.58					
Fe	57	-1.850167	6332.839	ug/L	0.981					
Co	59	0.018531	202.338	ug/L	0.002					
Ni	60	0.067213	156.67	ug/L	0.002					
Ni	62	0.051771	52.667	ug/L	0.023					
Cu	63	0.217731	908.054	ug/L	0.007					
Zn	64	1.382033	3280.427	ug/L	0.013					
Cu	65	0.208318	425.014	ug/L	0.006					
Zn	66	1.415552	1978.235	ug/L	0.004					
Zn	68	1.415665	1462.466	ug/L	0.007					
Ge	72	124294.61		ug/L						
As	75	-0.008918	487.428	ug/L	0.098					
Se	74	9.956882	13194.18	mg/L	5.926					
ArCl	77	519.02		ug/L						

Br		79	990.064	ug/L						
Br		81	11946.298	ug/L						
Y		89	321136.68	ug/L						
Mo		95	0.326353	1128.415	ug/L	0.012				
Rh		103	329082.42	ug/L						
Ag		107	1.010621	9854.438	ug/L	0.031				
Ag		109	1.014451	9558.787	ug/L	0.038				
Cd		111	0.019205	59.001	ug/L	0.004				
Cd		114	0.018504	132.669	ug/L	0.001				
In		115	431407.23	ug/L						
Sb		121	1.212122	10983.74	ug/L	0.029				
Sb		123	1.227135	8471.602	ug/L	0.032				
Ba		137	0.035629	199.004	ug/L	0.005				
Ba		138	0.033407	1146.508	ug/L	0				
Tb		159	544866.73	ug/L						
Ho		165	524959.17	ug/L						
Hg		200	0.006761	33	ug/L	0.003				
Hg		202	0.004531	34.334	ug/L	0.003				
Tl		205	0.02019	677.365	ug/L	0.002				
Pb		208	0.07003	2847.205	ug/L	0.001				
Bi		209	384172.57	ug/L						
Se		77	1.250435	552.017	mg/L	0.275				
Se		78	-2.523815	11307.36	mg/L	0.441				
Se		82	0.216825	9.685	mg/L	0.082				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	93.548								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	95.153
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	97.233
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	96.089
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Friday August 26 2011 6:05:13
Autosampl Position: 93
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18478
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5409.61		ug/L						
Be	9	0.01676	11.333	ug/L	0.015					
B	10	-0.103712	37	ug/L	0.095					
B	11	-0.093517	149.669	ug/L	0.005					
C	12	359286.47		ug/L						
Na	23	-1.013998	11124.58	ug/L	0					
Mg	24	0.041126	640.087	ug/L	0.036					
Mg	25	0.020445	90.009	ug/L	0.071					
Al	27	-0.035047	4351.476	ug/L	0.007					
Si	28	48064.891		ug/L						
P	31	-1.588771	12830.33	ug/L	0.165					
S	32	67148541		ug/L						
Cl	35	7260584.5		ug/L						
K	39	-0.831742	760007	ug/L	0.815					
Ca	44	10.468948	30557.66	ug/L	0.187					
Sc	45	126346.61		ug/L						
Ti	47	-0.013188	127.002	ug/L	0.005					
Ti	48	-0.039783	-2224.99	ug/L	0.001					
V	51	1.532006	32953.95	ug/L	0.065					
ClO	51	33460.801		ug/L						
Cr	52	0.006961	6096.917	ug/L	0.001					
Cr	53	4.250106	10366.01	ug/L	0.231					
Fe	54	-3.099099	76733.98	ug/L	2.308					
Mn	55	-0.00486	815.378	ug/L	0.003					
Fe	56	-3.81864	1725961	ug/L	6.184					
Fe	57	-2.101023	6482.959	ug/L	0.613					
Co	59	0.006971	122.669	ug/L	0.001					
Ni	60	0.004277	56.667	ug/L	0.001					
Ni	62	-0.005917	39.667	ug/L	0.001					
Cu	63	0.019576	177.003	ug/L	0					
Zn	64	0.062939	1005.398	ug/L	0.023					
Cu	65	0.023664	94.001	ug/L	0.003					
Zn	66	0.053369	609.026	ug/L	0.008					
Zn	68	0.066083	503.352	ug/L	0.02					
Ge	72	124719.02		ug/L						
As	75	-0.075516	404.677	ug/L	0.062					
Se	74	10.057191	13265.87	mg/L	1.309					
ArCl	77	505.686		ug/L						

Br	79	1313.775	ug/L						
Br	81	13479.788	ug/L						
Y	89	321840.59	ug/L						
Mo	95	0.19695	717.702	ug/L	0.001				
Rh	103	327211.26	ug/L						
Ag	107	0.606002	6127.46	ug/L	0.013				
Ag	109	0.617375	6011.048	ug/L	0.019				
Cd	111	0.004827	24.334	ug/L	0.001				
Cd	114	0.006554	64.668	ug/L	0				
In	115	431903.29	ug/L						
Sb	121	0.64985	6199.509	ug/L	0.007				
Sb	123	0.64157	4675.524	ug/L	0.026				
Ba	137	0.00895	87.001	ug/L	0				
Ba	138	0.008741	476.247	ug/L	0.002				
Tb	159	548506.37	ug/L						
Ho	165	540644.7	ug/L						
Hg	200	0.000584	21	ug/L	0.001				
Hg	202	0.000182	23.334	ug/L	0.003				
Tl	205	0.008147	398.013	ug/L	0				
Pb	208	0.0065	739.686	ug/L	0				
Bi	209	390018.6	ug/L						
Se	77	0.430703	473.346	mg/L	0.138				
Se	78	-1.372739	11632.04	mg/L	0.265				
Se	82	-0.125656	-37.588	mg/L	0.039				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.492							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.478
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.345
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.96
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102508.01
Sample Date/Time Friday August 26 2011 6:11:59
Autosampl Position: 94
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102508.01.18479
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5761.825		ug/L						
Be	9	0.012434	11.333	ug/L	0.018					
B	10	1.85734	156.003	ug/L	0.425					
B	11	2.047649	737.371	ug/L	0.11					
C	12	498347.08		ug/L						
Na	23	2948.5507	15779249	ug/L	57.722					
Mg	24	525.1385	1961344	ug/L	9.818					
Mg	25	532.20968	280112.9	ug/L	27.403					
Al	27	2.597411	19786.82	ug/L	0.023					
Si	28	15470440		ug/L						
P	31	24.29525	21905.28	ug/L	3.909					
S	32	63173739		ug/L						
Cl	35	7740938.5		ug/L						
K	39	390.72184	3882694	ug/L	15.817					
Ca	44	5305.7368	1333428	ug/L	0.898					
Sc	45	140634.34		ug/L						
Ti	47	1.002398	780.041	ug/L	0.012					
Ti	48	4.796411	29545.14	ug/L	0.301					
V	51	1.134183	33193.82	ug/L	0.104					
ClO	51	33718.753		ug/L						
Cr	52	-0.120444	5883.268	ug/L	0.008					
Cr	53	3.202197	10554.56	ug/L	0.354					
Fe	54	-15.960567	78527.53	ug/L	0.458					
Mn	55	0.205164	3233.274	ug/L	0.001					
Fe	56	-40.394973	1568882	ug/L	2.608					
Fe	57	2.432853	8211.198	ug/L	1.035					
Co	59	0.009885	160.67	ug/L	0					
Ni	60	0.230644	483.018	ug/L	0.008					
Ni	62	0.110416	77.001	ug/L	0.021					
Cu	63	44.128999	188371.1	ug/L	0.852					
Zn	64	3.301513	7617.224	ug/L	0.065					
Cu	65	44.051275	91481.23	ug/L	1.134					
Zn	66	3.259103	4427.122	ug/L	0.045					
Zn	68	3.455806	3369.992	ug/L	0.036					
Ge	72	125669.33		ug/L						
As	75	19.3505	25326.46	ug/L	0.215					
Se	74	10.569386	13472.94	mg/L	14.131					
ArCl	77	577.357		ug/L						

Br	79	5800.578	ug/L			
Br	81	18031.045	ug/L			
Y	89	329180.53	ug/L			
Mo	95	0.659169	2215.625	ug/L	0.002	
Rh	103	325024.39	ug/L			
Ag	107	0.458373	4894.368	ug/L	0.03	
Ag	109	0.458688	4714.273	ug/L	0.042	
Cd	111	0.009389	36.334	ug/L	0.003	
Cd	114	0.00807	75.334	ug/L	0.001	
In	115	443903.51	ug/L			
Sb	121	0.417495	4333.743	ug/L	0.007	
Sb	123	0.428033	3377.814	ug/L	0.005	
Ba	137	0.164856	764.04	ug/L	0.003	
Ba	138	0.171383	5041.604	ug/L	0.001	
Tb	159	553053.07	ug/L			
Ho	165	539902.6	ug/L			
Hg	200	0.001869	23.667	ug/L	0	
Hg	202	-0.001707	18	ug/L	0.001	
Tl	205	0.004266	301.008	ug/L	0.001	
Pb	208	0.449274	15996.04	ug/L	0.009	
Bi	209	393378.84	ug/L			
Se	77	1.069815	534.682	mg/L	0.255	
Se	78	-0.68845	11825.06	mg/L	0.34	
Se	82	0.414327	36.946	mg/L	0.42	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	107.403							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	96.205
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.049
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	98.824
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102509.01
Sample Date/Time Friday August 26 2011 6:18:45
Autosampl Position: 95
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102509.01.18480
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6031.333		ug/L						
Be	9	0.006315	10.333	ug/L	0.008					
B	10	4.291672	320.342	ug/L	0.222					
B	11	4.302742	1434.461	ug/L	0.022					
C	12	505710.89		ug/L						
Na	23	5834.6481	33436975	ug/L	95.443					
Mg	24	2102.0444	8408854	ug/L	30.186					
Mg	25	2067.5284	1165927	ug/L	12.481					
Al	27	1.73262	15938.89	ug/L	0.047					
Si	28	18867337		ug/L						
P	31	13.30616	19993.99	ug/L	2.874					
S	32	63493220		ug/L						
Cl	35	7712793.7		ug/L						
K	39	622.6187	6087421	ug/L	5.102					
Ca	44	17093.94	4526288	ug/L	461.644					
Sc	45	150641.92		ug/L						
Ti	47	1.07463	884.052	ug/L	0.074					
Ti	48	14.613409	101346.3	ug/L	0.152					
V	51	0.794962	32385.58	ug/L	0.069					
ClO	51	32970.343		ug/L						
Cr	52	-0.181119	5841.747	ug/L	0.01					
Cr	53	2.067432	10170.46	ug/L	0.247					
Fe	54	-25.430087	78679.5	ug/L	5.019					
Mn	55	0.047968	1598.49	ug/L	0.004					
Fe	56	-52.082378	1560261	ug/L	0.267					
Fe	57	29.613157	15170.83	ug/L	0.555					
Co	59	0.024077	298.008	ug/L	0.001					
Ni	60	1.159678	2364.665	ug/L	0.027					
Ni	62	0.795069	290.008	ug/L	0					
Cu	63	18.565517	84974.14	ug/L	0.103					
Zn	64	3.1584	7853.039	ug/L	0.003					
Cu	65	18.749189	41751.74	ug/L	0.059					
Zn	66	2.982772	4396.107	ug/L	0.066					
Zn	68	3.081583	3277.957	ug/L	0.028					
Ge	72	131302.89		ug/L						
As	75	54.167698	73121.53	ug/L	0.63					
Se	74	1.876725	11995.49	mg/L	2.882					
ArCl	77	631.028		ug/L						

Br	79	8454.354	ug/L						
Br	81	21077.291	ug/L						
Y	89	348155.44	ug/L						
Mo	95	0.759816	2654.081	ug/L	0.016				
Rh	103	336450.26	ug/L						
Ag	107	0.232282	2847.809	ug/L	0.021				
Ag	109	0.221353	2620.071	ug/L	0.014				
Cd	111	0.005254	27	ug/L	0.003				
Cd	114	0.005142	60.334	ug/L	0.002				
In	115	460123.65	ug/L						
Sb	121	0.282932	3268.62	ug/L	0.004				
Sb	123	0.287234	2525.766	ug/L	0.008				
Ba	137	0.033025	200.671	ug/L	0				
Ba	138	0.032113	1185.266	ug/L	0				
Tb	159	573560.19	ug/L						
Ho	165	559346.2	ug/L						
Hg	200	0.007781	37.334	ug/L	0.002				
Hg	202	0.003966	35	ug/L	0				
Tl	205	0.002877	276.34	ug/L	0.001				
Pb	208	0.183573	7087.825	ug/L	0.002				
Bi	209	412921.9	ug/L						
Se	77	1.708935	596.02	mg/L	1.199				
Se	78	-0.351105	11920.22	mg/L	0.397				
Se	82	0.299087	21.04	mg/L	0.028				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	115.046							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	100.518
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	103.705
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	102.383
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Friday August 26 2011 6:25:26
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.18481
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5557.699		ug/L						
Be	9	0.004252	8	ug/L	0.008					
B	10	0.10285	47.001	ug/L	0.069					
B	11	0.076544	187.004	ug/L	0.045					
C	12	372284.09		ug/L						
Na	23	0.555865	18326.95	ug/L	0					
Mg	24	0.371833	1717.002	ug/L	0.065					
Mg	25	0.410924	270.031	ug/L	0.169					
Al	27	0.284414	5872.483	ug/L	0.001					
Si	28	51701.764		ug/L						
P	31	-1.051957	12736.86	ug/L	0.127					
S	32	64166720		ug/L						
Cl	35	6995100.2		ug/L						
K	39	-2.024696	738069.9	ug/L	0.517					
Ca	44	9.101411	29708.1	ug/L	0.558					
Sc	45	124056.73		ug/L						
Ti	47	0.028193	147.669	ug/L	0.009					
Ti	48	-0.006762	-1991.82	ug/L	0.007					
V	51	1.433499	31599.48	ug/L	0.059					
ClO	51	32090.875		ug/L						
Cr	52	-0.016352	5840.378	ug/L	0.018					
Cr	53	3.984131	9959.219	ug/L	0.085					
Fe	54	-0.885287	76380.42	ug/L	3.169					
Mn	55	-0.004345	805.377	ug/L	0.006					
Fe	56	-12.522663	1620794	ug/L	3.364					
Fe	57	-4.700191	5862.476	ug/L	0.826					
Co	59	0.001579	81.001	ug/L	0.001					
Ni	60	0.004502	56.001	ug/L	0.001					
Ni	62	-0.037815	31	ug/L	0.016					
Cu	63	0.015657	159.003	ug/L	0.004					
Zn	64	0.114033	1077.431	ug/L	0.019					
Cu	65	0.02005	85.668	ug/L	0					
Zn	66	0.085064	630.695	ug/L	0.007					
Zn	68	0.109128	525.687	ug/L	0.023					
Ge	72	122891.73		ug/L						
As	75	-0.046875	434.635	ug/L	0.011					
Se	74	9.233248	12885.16	mg/L	3.347					
ArCl	77	508.353		ug/L						

Br	79	1575.152	ug/L						
Br	81	12046.764	ug/L						
Y	89	323699.73	ug/L						
Mo	95	0.085826	356.344	ug/L	0.008				
Rh	103	325365.76	ug/L						
Ag	107	0.154135	1927.225	ug/L	0.024				
Ag	109	0.159623	1883.55	ug/L	0.032				
Cd	111	0.004253	22.667	ug/L	0.001				
Cd	114	0.001688	36.334	ug/L	0.001				
In	115	426291.77	ug/L						
Sb	121	0.228325	2567.388	ug/L	0.012				
Sb	123	0.23382	1996.64	ug/L	0.012				
Ba	137	0.011901	98.002	ug/L	0.003				
Ba	138	0.010345	512.864	ug/L	0.001				
Tb	159	541477.38	ug/L						
Ho	165	529865.83	ug/L						
Hg	200	-0.000357	18.667	ug/L	0				
Hg	202	-0.002794	14.667	ug/L	0				
Tl	205	0.003858	285.674	ug/L	0				
Pb	208	0.006133	712.351	ug/L	0.002				
Bi	209	398314.02	ug/L						
Se	77	1.194859	546.683	mg/L	0.196				
Se	78	-2.256187	11382.85	mg/L	0.401				
Se	82	0.271315	17.206	mg/L	0.055				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.743							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.079
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.08
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.987
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Friday August 26 2011 6:32:36
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.18482
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5410.943		ug/L						
Be	9	87.586493	21417.75	ug/L	1.348					
B	10	87.025255	4466.142	ug/L	0.803					
B	11	89.117403	20756.21	ug/L	2.137					
C	12	373766.5		ug/L						
Na	23	98.102825	469623.4	ug/L	5.133					
Mg	24	97.488837	315732.5	ug/L	5.555					
Mg	25	98.433675	44972.12	ug/L	1.488					
Al	27	99.852858	495384.3	ug/L	3.086					
Si	28	179312.6		ug/L						
P	31	0.861696	12980.59	ug/L	5.529					
S	32	63029828		ug/L						
Cl	35	6714251.6		ug/L						
K	39	1023.5864	7616660	ug/L	44.056					
Ca	44	124.16294	53633.09	ug/L	6.09					
Sc	45	121867.71		ug/L						
Ti	47	103.77985	56680.05	ug/L	1.711					
Ti	48	104.61576	598512	ug/L	2.69					
V	51	101.33261	787577.6	ug/L	4.092					
ClO	51	799862.49		ug/L						
Cr	52	106.34177	658305.9	ug/L	3.933					
Cr	53	98.286194	86227.2	ug/L	3.398					
Fe	54	117.50178	129835.3	ug/L	10.57					
Mn	55	104.07442	999154.7	ug/L	3.272					
Fe	56	149.17915	2939265	ug/L	17.978					
Fe	57	100.7896	25775.73	ug/L	2.602					
Co	59	104.47789	749821	ug/L	3.678					
Ni	60	100.78821	162067.5	ug/L	3.082					
Ni	62	99.751222	24479.49	ug/L	3.897					
Cu	63	100.70792	372289.6	ug/L	3.553					
Zn	64	95.82262	167456.3	ug/L	2.145					
Cu	65	101.05977	181775.1	ug/L	3.082					
Zn	66	98.490745	100342.1	ug/L	1.72					
Zn	68	99.950194	72202.32	ug/L	3.583					
Ge	72	125207.09		ug/L						
As	75	103.46096	132724.8	ug/L	1.01					
Se	74	2.644355	11592.5	mg/L	16.011					
ArCl	77	9144.355		ug/L						

Br	79	1209.759		ug/L		
Br	81	12095.495		ug/L		
Y	89	325362.63		ug/L		
Mo	95	97.983101	315217.5	ug/L		3.681
Rh	103	323796.2		ug/L		
Ag	107	65.90203	603099.7	ug/L		3.915
Ag	109	62.721097	556950.1	ug/L		2.16
Cd	111	102.24244	244667.5	ug/L		3.372
Cd	114	101.43071	572703.2	ug/L		3.521
In	115	427412.08		ug/L		
Sb	121	94.701456	800494	ug/L		2.429
Sb	123	96.38158	620803	ug/L		3.799
Ba	137	104.1607	433980.4	ug/L		0.988
Ba	138	103.61542	2792996	ug/L		1.887
Tb	159	545546.16		ug/L		
Ho	165	532026.7		ug/L		
Hg	200	0.982555	2044.584	ug/L		0.024
Hg	202	0.984158	2725.436	ug/L		0.015
Tl	205	103.97008	2542573	ug/L		0.727
Pb	208	98.133113	3333301	ug/L		0.317
Bi	209	387208.56		ug/L		
Se	77	92.729739	9331.454	mg/L		0.728
Se	78	96.544384	39251.86	mg/L		0.451
Se	82	90.039575	12408.07	mg/L		0.762

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	86.719							
|	B	86.765							
|	B	88.851							
|	C								
|	Na	96.844							
|	Mg	96.524							
|	Mg	97.459							
|	Al	99.455							
|	Si								
|	P								
|	S								
|	Cl								
|	K	102.052							
|	Ca	123.055							
|>	Sc	93.071							
|	Ti	103.78							
|	Ti	104.616							
|	V	100.929							
|	ClO								
|	Cr	105.289							

	Cr	97.313
	Fe	116.801
	Mn	103.66
	Fe	148.289
	Fe	100.188
	Co	103.855
	Ni	99.988
	Ni	98.96
	Cu	100.809
	Zn	95.157
	Cu	101.161
	Zn	97.806
-	Zn	99.255
>	Ge	95.851
	As	104.085
	Se	2.639
	ArCl	
	Br	
	Br	
	Y	
-	Mo	97.69
-	Rh	
	Ag	65.379
	Ag	62.223
	Cd	101.734
	Cd	100.926
>	In	96.332
	Sb	94.418
	Sb	96.093
	Ba	103.437
-	Ba	102.895
-	Tb	
>	Ho	97.382
	Hg	98.255
	Hg	98.416
	Tl	103.97
	Pb	98.133
-	Bi	
	Se	92.545
	Se	96.352
	Se	89.86

Sample ID: QC Std 5
Sample Date/Time Friday August 26 2011 6:39:44
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.18483
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5337.567		ug/L						
Be	9	36.273445	9066.61	ug/L	0.036					
B	10	145.25566	7587.241	ug/L	2.207					
B	11	146.37822	34730.93	ug/L	3.417					
C	12	371370.07		ug/L						
Na	23	2.690964	28497.46	ug/L	0.124					
Mg	24	0.280109	1420.253	ug/L	0.012					
Mg	25	0.359619	246.695	ug/L	0.065					
Al	27	181.33458	915624	ug/L	4.024					
Si	28	92628.747		ug/L						
P	31	-0.085918	13030.64	ug/L	1.912					
S	32	63700450		ug/L						
Cl	35	6732292		ug/L						
K	39	-1.980597	740914.9	ug/L	0.985					
Ca	44	15.321833	31159.76	ug/L	2.443					
Sc	45	124486.56		ug/L						
Ti	47	0.092754	184.004	ug/L	0.048					
Ti	48	0.023835	-1819.25	ug/L	0.005					
V	51	26.266239	223909.5	ug/L	0.194					
ClO	51	228955.88		ug/L						
Cr	52	51.469018	328689.1	ug/L	0.662					
Cr	53	49.32598	47555.2	ug/L	0.65					
Fe	54	203.56893	173442.5	ug/L	2.45					
Mn	55	111.34808	1092295	ug/L	1.896					
Fe	56	221.12316	3617628	ug/L	0.247					
Fe	57	188.10845	43263.69	ug/L	3.957					
Co	59	24.726824	181405.5	ug/L	0.32					
Ni	60	206.36952	339043.7	ug/L	3.218					
Ni	62	202.47453	50737.71	ug/L	3.895					
Cu	63	79.032161	298595.1	ug/L	0.637					
Zn	64	98.498647	175847.7	ug/L	1.921					
Cu	65	79.72364	146550.3	ug/L	0.131					
Zn	66	101.93717	106081.5	ug/L	2.426					
Zn	68	106.56371	78639.11	ug/L	1.315					
Ge	72	124001.49		ug/L						
As	75	44.721699	57096.84	ug/L	0.65					
Se	74	15.985278	14515.76	mg/L	7.709					
ArCl	77	14770.47		ug/L						

Br	79	1250.098	ug/L			
Br	81	12535.429	ug/L			
Y	89	328192.11	ug/L			
Mo	95	44.175644	140839.6	ug/L	0.162	
Rh	103	329671.3	ug/L			
Ag	107	53.54116	495862.7	ug/L	0.277	
Ag	109	52.831442	474673.9	ug/L	0.338	
Cd	111	23.807152	57640.06	ug/L	0.23	
Cd	114	23.570078	134645.5	ug/L	0.233	
In	115	432289.03	ug/L			
Sb	121	51.881324	443769.7	ug/L	0.081	
Sb	123	52.076015	339396.6	ug/L	0.224	
Ba	137	148.49913	625742.9	ug/L	2.662	
Ba	138	147.38797	4017442	ug/L	2.094	
Tb	159	547527.4	ug/L			
Ho	165	535114.84	ug/L			
Hg	200	1.037395	2169.614	ug/L	0.022	
Hg	202	1.028669	2864.147	ug/L	0.004	
Tl	205	14.680959	361197.7	ug/L	0.231	
Pb	208	103.54416	3536450	ug/L	2.277	
Bi	209	395366.34	ug/L			
Se	77	147.09478	14548.97	mg/L	0.138	
Se	78	162.50707	57858.18	mg/L	2.539	
Se	82	149.26048	20582.43	mg/L	1.569	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	85.149							
|	B	90.785							
|	B	91.486							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	103.031							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.071							
|	Ti								
|	Ti								
|	V	105.487							
|	ClO								
|	Cr	104.612							

	Cr	100.256
	Fe	113.726
	Mn	105.045
	Fe	123.532
	Fe	105.089
	Co	106.124
	Ni	101.162
	Ni	99.252
	Cu	101.064
	Zn	93.808
	Cu	101.948
	Zn	97.083
-	Zn	101.489
>	Ge	94.928
	As	113.507
	Se	9.991
	ArCl	
	Br	
	Br	
	Y	
-	Mo	105.431
-	Rh	
	Ag	106.444
	Ag	105.033
	Cd	102.617
	Cd	101.595
>	In	97.432
	Sb	111.573
	Sb	111.991
	Ba	105.319
-	Ba	104.53
-	Tb	
>	Ho	97.948
	Hg	103.739
	Hg	102.867
	Tl	103.387
	Pb	99.562
-	Bi	
	Se	91.934
	Se	101.567
	Se	93.288

Sample ID: QC Std 6
Sample Date/Time Friday August 26 2011 6:46:53
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.18484
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5184.144		ug/L						
Be	9	0.007719	9.333	ug/L	0.004					
B	10	0.515056	72.001	ug/L	0.374					
B	11	0.778235	370.678	ug/L	0.141					
C	12	369686.54		ug/L						
Na	23	9178.9461	45581832	ug/L	320.574					
Mg	24	8982.0651	31146189	ug/L	189.995					
Mg	25	9108.0345	4451942	ug/L	252.612					
Al	27	9314.0512	49103398	ug/L	50.842					
Si	28	53918.182		ug/L						
P	31	9382.8526	2575932	ug/L	32.977					
S	32	60537302		ug/L						
Cl	35	1550371.9		ug/L						
K	39	9475.7662	69058636	ug/L	30.99					
Ca	44	9362.905	2162589	ug/L	33.576					
Sc	45	130585.89		ug/L						
Ti	47	22.525163	13294.18	ug/L	0.041					
Ti	48	8.538462	50468.12	ug/L	0.428					
V	51	0.011851	21719.14	ug/L	0.043					
ClO	51	22045.928		ug/L						
Cr	52	-0.042563	5975.946	ug/L	0.014					
Cr	53	-0.311601	6750.24	ug/L	0.132					
Fe	54	9569.9776	4832981	ug/L	190.403					
Mn	55	0.070667	1619.16	ug/L	0.005					
Fe	56	9751.2151	88991831	ug/L	86.651					
Fe	57	9497.8423	1938840	ug/L	70.676					
Co	59	0.032999	327.009	ug/L	0					
Ni	60	0.222106	434.015	ug/L	0.017					
Ni	62	0.068905	60.667	ug/L	0.024					
Cu	63	0.221863	984.396	ug/L	0.002					
Zn	64	0.596286	2032.925	ug/L	0.004					
Cu	65	0.144618	330.343	ug/L	0.008					
Zn	66	0.520085	1136.416	ug/L	0.021					
Zn	68	0.510082	862.049	ug/L	0.004					
Ge	72	130024.58		ug/L						
As	75	-0.011221	507.139	ug/L	0.061					
Se	74	-3.801323	10532.81	mg/L	5.235					
ArCl	77	301.341		ug/L						

Br	79	813.378	ug/L						
Br	81	12225.003	ug/L						
Y	89	332508.05	ug/L						
Mo	95	0.264359	973.395	ug/L	0.014				
Rh	103	323304.86	ug/L						
Ag	107	0.315129	3501.379	ug/L	0.039				
Ag	109	0.298546	3208.601	ug/L	0.042				
Cd	111	0.015971	52.334	ug/L	0.004				
Cd	114	0.013317	105.335	ug/L	0.002				
In	115	440172.32	ug/L						
Sb	121	0.877822	8294.211	ug/L	0.094				
Sb	123	0.895874	6443.628	ug/L	0.114				
Ba	137	0.059542	305.675	ug/L	0.002				
Ba	138	0.059034	1880.193	ug/L	0.004				
Tb	159	566507.57	ug/L						
Ho	165	552053.58	ug/L						
Hg	200	0.008629	38.667	ug/L	0				
Hg	202	0.00986	51.334	ug/L	0.001				
Tl	205	0.009826	449.016	ug/L	0.001				
Pb	208	0.045234	2120.119	ug/L	0.001				
Bi	209	397659.34	ug/L						
Se	77	-1.95898	244.003	mg/L	0.491				
Se	78	-1.203342	11679.83	mg/L	0.192				
Se	82	0.407611	36.019	mg/L	0.085				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	91.789							
|	Mg	89.821							
|	Mg	91.08							
|	Al	93.141							
|	Si								
|	P	93.829							
|	S								
|	Cl								
|	K	94.758							
|	Ca	93.629							
|>	Sc	99.729							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	95.7
|	Mn	
|	Fe	97.512
|	Fe	94.978
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	99.539
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	99.208
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	101.048
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
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eastern analytical, inc.

professional laboratory services

Metals Analysis
Raw Data
August 29, 2011

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

Sample ID: Blank
Sample Date/Time Monday August 29 2011 15:52:57
Autosampl Position: 1
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\Blank.18709
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas. Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9932.089					ug/L		
Be	9	15.667					ug/L		
B	10	83.001					ug/L		
B	11	330.676					ug/L		
C	12	345694.51					ug/L		
Na	23	13427.923					ug/L		
Mg	24	533.403					ug/L		
Mg	25	90.009					ug/L		
Al	27	4364.861					ug/L		
Si	28	62846.08					ug/L		
P	31	8788.503					ug/L		
S	32	79766913					ug/L		
Cl	35	8652879.4					ug/L		
K	39	914265.62					ug/L		
Ca	44	55078.584					ug/L		
Sc	45	180692.81					ug/L		
Ti	47	221.672					ug/L		
Ti	48	-4176.146					ug/L		
V	51	36068.439					ug/L		
ClO	51	36734.106					ug/L		
Cr	52	7667.339					ug/L		
Cr	53	12137.553					ug/L		
Fe	54	53583.116					ug/L		
Mn	55	4080.959					ug/L		
Fe	56	2970494.8					ug/L		
Fe	57	9839.648					ug/L		
Co	59	118.002					ug/L		
Ni	60	67.001					ug/L		
Ni	62	49.667					ug/L		
Cu	63	181.004					ug/L		
Zn	64	1066.041					ug/L		
Cu	65	81.668					ug/L		
Zn	66	648.03					ug/L		
Zn	68	582.691					ug/L		
Ge	72	176085.37					ug/L		
As	75	-216.048					ug/L		
Se	74	22483.211					mg/L		
ArCl	77	757.039					ug/L		

Br	79	2671.086	ug/L
Br	81	24817.08	ug/L
Y	89	465348.81	ug/L
Mo	95	120.335	ug/L
Rh	103	457639.01	ug/L
Ag	107	632.362	ug/L
Ag	109	572.024	ug/L
Cd	111	29.667	ug/L
Cd	114	484.018	ug/L
In	115	599537.45	ug/L
Sb	121	862.05	ug/L
Sb	123	653.764	ug/L
Ba	137	61.001	ug/L
Ba	138	291.095	ug/L
Tb	159	701089.58	ug/L
Ho	165	677435.67	ug/L
Hg	200	22	ug/L
Hg	202	31.667	ug/L
Tl	205	419.014	ug/L
Pb	208	745.686	ug/L
Bi	209	502107.01	ug/L
Se	77	752.031	mg/L
Se	78	15458.853	mg/L
Se	82	-8.939	mg/L

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

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Cr
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Sample ID: Standard 1
Sample Date/Time Monday August 29 2011 15:59:21
Autosampl Position: 2
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata 1.1871
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9934.76						ug/L		
Be	9	14.667						ug/L		
B	10	76.668						ug/L		
B	11	316.675						ug/L		
C	12	451907.87						ug/L		
Na	23	14753.438						ug/L		
Mg	24	1033.495						ug/L		
Mg	25	113.345						ug/L		
Al	27	6392.894						ug/L		
Si	28	63299.252						ug/L		
P	31	8234.556						ug/L		
S	32	77963538						ug/L		
Cl	35	8415854.3						ug/L		
K	39	906249.57						ug/L		
Ca	44	55266.363						ug/L		
Sc	45	177422.86						ug/L		
Ti	47	219.338						ug/L		
Ti	48	-4000.293						ug/L		
V	51	36216.701						ug/L		
ClO	51	37136.743						ug/L		
Cr	52	7668.275						ug/L		
Cr	53	12200.637						ug/L		
Fe	54	51210.636						ug/L		
Mn	55	3416.01						ug/L		
Fe	56	2881211.2						ug/L		
Fe	57	9439.175						ug/L		
Co	59	109.002						ug/L		
Ni	60	80.668						ug/L		
Ni	62	45.334						ug/L		
Cu	63	3917.55						ug/L		
Zn	64	3161.067						ug/L		
Cu	65	1845.539						ug/L		
Zn	66	1895.883						ug/L		
Zn	68	1474.801						ug/L		
Ge	72	173558.41						ug/L		
As	75	-217.63						ug/L		
Se	74	22813.242						mg/L		
ArCl	77	734.704						ug/L		

Br	79	3041.206	ug/L						
Br	81	24886.277	ug/L						
Y	89	463547.23	ug/L						
Mo	95	110.668	ug/L						
Rh	103	448568.63	ug/L						
Ag	107	511.686	ug/L						
Ag	109	467.35	ug/L						
Cd	111	31	ug/L						
Cd	114	407.013	ug/L						
In	115	590402.25	ug/L						
Sb	121	796.043	ug/L						
Sb	123	604.221	ug/L						
Ba	137	55.334	ug/L						
Ba	138	302.972	ug/L						
Tb	159	685368.27	ug/L						
Ho	165	665069.77	ug/L						
Hg	200	0.1	284.674	ug/L	0.007				
Hg	202	0.1	371.345	ug/L	0.01				
Tl	205	360.011	ug/L						
Pb	208	1933.767	ug/L						
Bi	209	485503.38	ug/L						
Se	77	728.029	mg/L						
Se	78	15308.624	mg/L						
Se	82	19.239	mg/L						

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|
Cr
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Fe
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Sample ID: Standard 2
Sample Date/Time Monday August 29 2011 16:05:47
Autosampl Position: 3
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata 2.18711
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9908.063						ug/L		
Be	9	14.667						ug/L		
B	10	75.668						ug/L		
B	11	336.343						ug/L		
C	12	431439.34						ug/L		
Na	23	28537.577						ug/L		
Mg	24	1983.748						ug/L		
Mg	25	243.361						ug/L		
Al	27	6986.716						ug/L		
Si	28	61359.17						ug/L		
P	31	7674.005						ug/L		
S	32	81719488						ug/L		
Cl	35	8439556.8						ug/L		
K	39	908939.38						ug/L		
Ca	44	54521.775						ug/L		
Sc	45	185659.33						ug/L		
Ti	47	212.005						ug/L		
Ti	48	-3834.866						ug/L		
V	51	36809.752						ug/L		
ClO	51	38012.358						ug/L		
Cr	52	7806.535						ug/L		
Cr	53	12299.437						ug/L		
Fe	54	50933.485						ug/L		
Mn	55	3132.904						ug/L		
Fe	56	2934684.5						ug/L		
Fe	57	9596.021						ug/L		
Co	59	88.001						ug/L		
Ni	60	89.668						ug/L		
Ni	62	51.001						ug/L		
Cu	63	436.682						ug/L		
Zn	64	3129.405						ug/L		
Cu	65	209.004						ug/L		
Zn	66	1867.544						ug/L		
Zn	68	1462.466						ug/L		
Ge	72	175382.28						ug/L		
As	75	-216.897						ug/L		
Se	74	25593.752						mg/L		
ArCl	77	750.705						ug/L		

Br	79	3032.203	ug/L						
Br	81	25911.135	ug/L						
Y	89	464593.43	ug/L						
Mo	95	112.335	ug/L						
Rh	103	455162.96	ug/L						
Ag	107	493.685	ug/L						
Ag	109	469.017	ug/L						
Cd	111	34.667	ug/L						
Cd	114	397.679	ug/L						
In	115	610229.16	ug/L						
Sb	121	833.047	ug/L						
Sb	123	630.338	ug/L						
Ba	137	77.668	ug/L						
Ba	138	383.704	ug/L						
Tb	159	696456.32	ug/L						
Ho	165	668144.21	ug/L						
Hg	200	0.999157	2457.69	ug/L	0.013				
Hg	202	0.999112	3169.251	ug/L	0.015				
Tl	205	326.009	ug/L						
Pb	208	1469.06	ug/L						
Bi	209	507509.47	ug/L						
Se	77	725.362	mg/L						
Se	78	15483.097	mg/L						
Se	82	15.447	mg/L						

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
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|	ClO								
|	Cr								

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Sample ID: Standard 3
Sample Date/Time Monday August 29 2011 16:12:13
Autosampl Position: 4
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata 3.18712
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10009.508						ug/L		
Be	9	13						ug/L		
B	10	73.668						ug/L		
B	11	312.008						ug/L		
C	12	936363.97						ug/L		
Na	23	13447.961						ug/L		
Mg	24	993.487						ug/L		
Mg	25	166.685						ug/L		
Al	27	6156.035						ug/L		
Si	28	69276.529						ug/L		
P	31	8134.456						ug/L		
S	32	79270660						ug/L		
Cl	35	8303606.7						ug/L		
K	39	896198.25						ug/L		
Ca	44	49110.525						ug/L		
Sc	45	181464.26						ug/L		
Ti	47	190.004						ug/L		
Ti	48	-3562.799						ug/L		
V	51	36938.598						ug/L		
ClO	51	37969.51						ug/L		
Cr	52	7754.057						ug/L		
Cr	53	12477.351						ug/L		
Fe	54	50857.358						ug/L		
Mn	55	2880.819						ug/L		
Fe	56	2924703.6						ug/L		
Fe	57	9766.222						ug/L		
Co	59	96.668						ug/L		
Ni	60	69.001						ug/L		
Ni	62	54.334						ug/L		
Cu	63	188.671						ug/L		
Zn	64	3465.259						ug/L		
Cu	65	88.335						ug/L		
Zn	66	2130.938						ug/L		
Zn	68	1573.819						ug/L		
Ge	72	176922.33						ug/L		
As	75	-372.808						ug/L		
Se	74	20425.86						mg/L		
ArCl	77	786.375						ug/L		

Br	79	3027.535	ug/L						
Br	81	26238.072	ug/L						
Y	89	468561.22	ug/L						
Mo	95	99.335	ug/L						
Rh	103	453452.45	ug/L						
Ag	107	452.349	ug/L						
Ag	109	464.683	ug/L						
Cd	111	27	ug/L						
Cd	114	368.678	ug/L						
In	115	606335.87	ug/L						
Sb	121	743.038	ug/L						
Sb	123	588.462	ug/L						
Ba	137	49.334	ug/L						
Ba	138	283.096	ug/L						
Tb	159	696174.71	ug/L						
Ho	165	664871.33	ug/L						
Hg	200	4.998184	12040.09	ug/L	0.015				
Hg	202	5.002205	15838.61	ug/L	0.099				
Tl	205	313.342	ug/L						
Pb	208	744.686	ug/L						
Bi	209	501277.78	ug/L						
Se	77	720.029	mg/L						
Se	78	15781.186	mg/L						
Se	82	12.509	mg/L						

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
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|	Ca								
|>	Sc								
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|	Ti								
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|	ClO								
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Sample ID: Standard 4
Sample Date/Time Monday August 29 2011 16:18:39
Autosampl Position: 9
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata 4.18713
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9846.663		ug/L						
Be	9	0.5	198.337	ug/L	0.044					
B	10	0.5	99.002	ug/L	0.444					
B	11	0.5	516.353	ug/L	0.092					
C	12	534980.34		ug/L						
Na	23	18784.603		ug/L						
Mg	24	3424.321		ug/L						
Mg	25	520.067		ug/L						
Al	27	12513.194		ug/L						
Si	28	64168.748		ug/L						
P	31	7907.63		ug/L						
S	32	78401407		ug/L						
Cl	35	8104745.7		ug/L						
K	39	906363.7		ug/L						
Ca	44	52482.962		ug/L						
Sc	45	180619.02		ug/L						
Ti	47	0.5	560.69	ug/L	0.018					
Ti	48	0.5	77.804	ug/L	0.008					
V	51	0.5	42238.33	ug/L	0.17					
ClO	51	43127.155		ug/L						
Cr	52	0.5	11874.95	ug/L	0.116					
Cr	53	0.5	13018.78	ug/L	0.458					
Fe	54	54951.457		ug/L						
Mn	55	0.5	9321.537	ug/L	0.049					
Fe	56	2920469.3		ug/L						
Fe	57	9943.098		ug/L						
Co	59	0.5	5448.687	ug/L	0.026					
Ni	60	0.5	1166.42	ug/L	0.032					
Ni	62	0.5	222.338	ug/L	0.033					
Cu	63	0.5	3719.465	ug/L	0.012					
Zn	64	0.5	3107.387	ug/L	0.032					
Cu	65	0.5	1831.536	ug/L	0.029					
Zn	66	0.5	1880.213	ug/L	0.079					
Zn	68	0.5	1421.459	ug/L	0.08					
Ge	72	175190.61		ug/L						
As	75	0.5	513.249	ug/L	0.102					
Se	74	0.5	20935.62	mg/L	0.599					
ArCl	77	843.048		ug/L						

Br	79	2514.373	ug/L						
Br	81	24373.541	ug/L						
Y	89	457188.98	ug/L						
Mo	95	0.5	2240.966	ug/L	0.024				
Rh	103	448922.55	ug/L						
Ag	107	0.5	6282.567	ug/L	0.016				
Ag	109	0.5	6113.452	ug/L	0.026				
Cd	111	0.5	1646.832	ug/L	0.004				
Cd	114	0.5	4270.045	ug/L	0.004				
In	115	597858.4	ug/L						
Sb	121	0.5	6732.893	ug/L	0				
Sb	123	0.5	4977.977	ug/L	0.005				
Ba	137	0.5	2793.124	ug/L	0.003				
Ba	138	0.5	17624.01	ug/L	0.001				
Tb	159	701456.06	ug/L						
Ho	165	673987.59	ug/L						
Hg	200	0.024121	80.668	ug/L	0.002				
Hg	202	0.023697	107.335	ug/L	0.009				
Tl	205	0.5	14954.11	ug/L	0.009				
Pb	208	0.5	21134.87	ug/L	0.007				
Bi	209	501241.95	ug/L						
Se	77	0.5	834.705	mg/L	0.205				
Se	78	0.5	15319.68	mg/L	1.878				
Se	82	0.5	123.336	mg/L	0.063				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
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Sample ID: Standard 5
Sample Date/Time Monday August 29 2011 16:25:05
Autosampl Position: 10
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata 5.18714
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9758.569		ug/L						
Be	9	5.000118	1759.855	ug/L	0.072					
B	10	5.028916	432.015	ug/L	0.039					
B	11	5.002292	2176.282	ug/L	0.126					
C	12	589235.31		ug/L						
Na	23	67973.308		ug/L						
Mg	24	22747.366		ug/L						
Mg	25	3304.265		ug/L						
Al	27	44328.906		ug/L						
Si	28	65495.021		ug/L						
P	31	8544.868		ug/L						
S	32	80529131		ug/L						
Cl	35	8068304.4		ug/L						
K	39	973823.69		ug/L						
Ca	44	50642.389		ug/L						
Sc	45	171642.85		ug/L						
Ti	47	5.006202	3897.874	ug/L	0.061					
Ti	48	4.998464	35202.91	ug/L	0.034					
V	51	4.993834	87097.12	ug/L	0.092					
ClO	51	89453.175		ug/L						
Cr	52	5.003953	51091.95	ug/L	0.103					
Cr	53	4.977586	17493.66	ug/L	0.282					
Fe	54	55480.384		ug/L						
Mn	55	5.012816	71244.46	ug/L	0.06					
Fe	56	2907524.4		ug/L						
Fe	57	11024.45		ug/L						
Co	59	5.002332	53347.28	ug/L	0.167					
Ni	60	5.00399	11448.32	ug/L	0.107					
Ni	62	5.002579	1782.86	ug/L	0.221					
Cu	63	4.988012	27248.72	ug/L	0.05					
Zn	64	4.985229	15975.3	ug/L	0.086					
Cu	65	4.986348	13125.93	ug/L	0.125					
Zn	66	4.984165	9526.417	ug/L	0.104					
Zn	68	4.987311	6928.709	ug/L	0.096					
Ge	72	173723.08		ug/L						
As	75	5.008243	8447.153	ug/L	0.138					
Se	74	4.899166	17557.11	mg/L	1.613					
ArCl	77	1435.128		ug/L						

Br	79	2481.697	ug/L						
Br	81	23994.533	ug/L						
Y	89	449079.43	ug/L						
Mo	95	4.999983	21148.46	ug/L	0.031				
Rh	103	430618.84	ug/L						
Ag	107	5.006296	63124.36	ug/L	0.045				
Ag	109	5.005678	60994.57	ug/L	0.124				
Cd	111	5.003487	16828.06	ug/L	0.025				
Cd	114	5.002965	39365.77	ug/L	0.05				
In	115	577318.36	ug/L						
Sb	121	5.000193	57764.85	ug/L	0.048				
Sb	123	5.002441	44565.95	ug/L	0.084				
Ba	137	5.001439	27232	ug/L	0.037				
Ba	138	5.001872	174233.6	ug/L	0.026				
Tb	159	681837.77	ug/L						
Ho	165	657224.04	ug/L						
Hg	200	0.011812	49.334	ug/L	0.007				
Hg	202	0.010327	63.001	ug/L	0.001				
Tl	205	5.002011	148162.1	ug/L	0.059				
Pb	208	5.001446	205541.1	ug/L	0.051				
Bi	209	483142.13	ug/L						
Se	77	4.979197	1333.431	mg/L	0.162				
Se	78	5.090841	17193.65	mg/L	0.034				
Se	82	4.980627	940.726	mg/L	0.027				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
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|	V								
|	ClO								
|	Cr								

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Sample ID: Standard 6
Sample Date/Time Monday August 29 2011 16:31:32
Autosampl Position: 11
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata 6.18715
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9735.878		ug/L						
Be	9	19.999816	6904.357	ug/L	1.191					
B	10	20.107877	1604.491	ug/L	0.17					
B	11	20.016362	7766.727	ug/L	0.965					
C	12	587194.75		ug/L						
Na	23	143803.22		ug/L						
Mg	24	84001.35		ug/L						
Mg	25	12249.472		ug/L						
Al	27	148535.2		ug/L						
Si	28	64635.426		ug/L						
P	31	8418.078		ug/L						
S	32	79358234		ug/L						
Cl	35	8163741		ug/L						
K	39	1100241.6		ug/L						
Ca	44	55370.308		ug/L						
Sc	45	169721.54		ug/L						
Ti	47	20.04609	15336.75	ug/L	1.196					
Ti	48	20.013932	152685.8	ug/L	0.946					
V	51	20.001116	242871.4	ug/L	1.57					
ClO	51	244186.5		ug/L						
Cr	52	20.022248	183329.5	ug/L	1.359					
Cr	53	19.893283	33087.1	ug/L	1.817					
Fe	54	68086.056		ug/L						
Mn	55	20.063564	284103.5	ug/L	1.279					
Fe	56	3141561.2		ug/L						
Fe	57	15471.368		ug/L						
Co	59	20.022298	214301.2	ug/L	1.168					
Ni	60	20.136753	50766.55	ug/L	1.52					
Ni	62	20.126684	7702.672	ug/L	1.433					
Cu	63	19.999143	107266.5	ug/L	1.219					
Zn	64	19.848442	53500.15	ug/L	1.343					
Cu	65	20.00594	52010.54	ug/L	1.192					
Zn	66	19.820085	31217.16	ug/L	1.47					
Zn	68	19.841111	22792.1	ug/L	1.07					
Ge	72	168700.34		ug/L						
As	75	20.060427	35180.35	ug/L	0.021					
Se	74	4.014482	21257.99	mg/L	34.221					
ArCl	77	3501.376		ug/L						

Br		79	2583.06	ug/L					
Br		81	25233.891	ug/L					
Y		89	452639.5	ug/L					
Mo		95	20.07243	87090.51	ug/L	0.282			
Rh		103	437252.66	ug/L					
Ag		107	20.068071	261666.3	ug/L	0.165			
Ag		109	20.060601	251341.3	ug/L	0.183			
Cd		111	20.027986	67800.59	ug/L	0.437			
Cd		114	20.027166	157306.3	ug/L	0.34			
In		115	569004.55	ug/L					
Sb		121	19.985309	222525.4	ug/L	0.178			
Sb		123	19.982319	171226.2	ug/L	0.193			
Ba		137	20.032126	110125.4	ug/L	0.272			
Ba		138	20.028867	702846	ug/L	0.274			
Tb		159	674756.75	ug/L					
Ho		165	651152.43	ug/L					
Hg		200	0.00376	30	ug/L	0			
Hg		202	0.005139	46.334	ug/L	0.002			
Tl		205	20.036023	604031.8	ug/L	0.319			
Pb		208	20.036329	837785	ug/L	0.094			
Bi		209	469686.26	ug/L					
Se		77	20.085893	3268.588	mg/L	0.135			
Se		78	20.238939	23965.6	mg/L	0.089			
Se		82	20.03017	3903.754	mg/L	0.265			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
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|	Si								
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|>	Sc								
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|	ClO								
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Sample ID: Standard 7
Sample Date/Time Monday August 29 2011 16:37:59
Autosampl Position: 12
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata 7.18716
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9611.746		ug/L						
Be	9	0.003118	15.667	ug/L	0.008					
B	10	0.033362	80.001	ug/L	0.098					
B	11	0.215102	388.346	ug/L	0.061					
C	12	558909.91		ug/L						
Na	23	100	632958	ug/L	4.009					
Mg	24	100	419899.5	ug/L	1.237					
Mg	25	100	59969.83	ug/L	3.305					
Al	27	100	645475.8	ug/L	2.185					
Si	28	63930.404		ug/L						
P	31	100	40969.54	ug/L	3.35					
S	32	76156919		ug/L						
Cl	35	8256253.9		ug/L						
K	39	100	1888264	ug/L	1.634					
Ca	44	100	78576	ug/L	9.402					
Sc	45	168572.71		ug/L						
Ti	47	0.372374	486.351	ug/L	0.011					
Ti	48	0.291804	-1624.61	ug/L	0.008					
V	51	0.306986	36840.87	ug/L	0.021					
ClO	51	37917.624		ug/L						
Cr	52	0.061384	7689.311	ug/L	0.018					
Cr	53	1.0287	12439.63	ug/L	0.076					
Fe	54	100	121577.4	ug/L	3.079					
Mn	55	-0.142531	1825.868	ug/L	0.002					
Fe	56	100	3982860	ug/L	4.321					
Fe	57	100	36767.89	ug/L	1.019					
Co	59	0.000224	112.335	ug/L	0.002					
Ni	60	0.012453	93.668	ug/L	0.003					
Ni	62	0.054264	67.001	ug/L	0.046					
Cu	63	0.017957	264.673	ug/L	0.004					
Zn	64	1.46606	4853.038	ug/L	0.027					
Cu	65	0.020065	128.002	ug/L	0.001					
Zn	66	1.507104	2921.165	ug/L	0.004					
Zn	68	1.465621	2177.616	ug/L	0.076					
Ge	72	170169.92		ug/L						
As	75	0.049785	-120.193	ug/L	0.004					
Se	74	81.106266	16252.61	mg/L	17.839					
ArCl	77	711.035		ug/L						

Br	79	2572.723	ug/L						
Br	81	23605.177	ug/L						
Y	89	446286.18	ug/L						
Mo	95	0.132528	695.367	ug/L	0.023				
Rh	103	433549.31	ug/L						
Ag	107	0.045345	1202.425	ug/L	0.011				
Ag	109	0.04768	1151.085	ug/L	0.007				
Cd	111	-0.000226	27.667	ug/L	0.001				
Cd	114	-0.017115	329.009	ug/L	0.002				
In	115	575280.87	ug/L						
Sb	121	0.242691	3547.397	ug/L	0.03				
Sb	123	0.245862	2748.463	ug/L	0.022				
Ba	137	0.00477	85.001	ug/L	0.001				
Ba	138	0.004151	426.662	ug/L	0.001				
Tb	159	666568.54	ug/L						
Ho	165	640863.84	ug/L						
Hg	200	0.003677	29.334	ug/L	0				
Hg	202	0.002205	36.667	ug/L	0.002				
Tl	205	0.000244	403.68	ug/L	0.001				
Pb	208	0.007716	1022.699	ug/L	0				
Bi	209	469476.63	ug/L						
Se	77	-0.532142	685.359	mg/L	0.211				
Se	78	-0.94546	15061.46	mg/L	0.333				
Se	82	0.121961	14.884	mg/L	0.058				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
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|	Na								
|	Mg								
|	Mg								
|	Al								
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|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
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Sample ID: Standard 8
Sample Date/Time Monday August 29 2011 16:44:27
Autosampl Position: 13
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata 8.18717
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9662.466		ug/L						
Be	9	0.007164	18	ug/L	0.015					
B	10	-0.232993	63.001	ug/L	0.096					
B	11	0.051623	344.343	ug/L	0.003					
C	12	566447.47		ug/L						
Na	23	999.54035	6244784	ug/L	28.429					
Mg	24	999.32931	4127942	ug/L	30.288					
Mg	25	999.25699	585514.5	ug/L	29.745					
Al	27	999.72566	6564117	ug/L	14.417					
Si	28	63040.79		ug/L						
P	31	999.10954	324598.7	ug/L	27.139					
S	32	74729788		ug/L						
Cl	35	8101143.4		ug/L						
K	39	999.29023	11046323	ug/L	45.975					
Ca	44	1000.8332	366209.9	ug/L	14.261					
Sc	45	177183.73		ug/L						
Ti	47	2.380475	2095.596	ug/L	0.06					
Ti	48	0.794025	2392.229	ug/L	0.091					
V	51	0.039076	35786.32	ug/L	0.075					
ClO	51	36408.46		ug/L						
Cr	52	-0.001044	7505.808	ug/L	0.03					
Cr	53	0.044756	11950.64	ug/L	0.185					
Fe	54	998.70378	717748.4	ug/L	25.529					
Mn	55	-0.13151	2080.259	ug/L	0					
Fe	56	998.91769	14389421	ug/L	46.144					
Fe	57	999.28544	280000.9	ug/L	24.554					
Co	59	0.003015	149.336	ug/L	0.001					
Ni	60	0.057794	218.005	ug/L	0.002					
Ni	62	0.023527	58.001	ug/L	0.015					
Cu	63	0.136187	939.725	ug/L	0.008					
Zn	64	2.530636	8044.947	ug/L	0.062					
Cu	65	0.128644	429.348	ug/L	0.001					
Zn	66	2.58883	4817.324	ug/L	0.047					
Zn	68	2.479583	3477.366	ug/L	0.058					
Ge	72	169314.7		ug/L						
As	75	-0.015638	-236.417	ug/L	0.042					
Se	74	27.632934	19746.96	mg/L	18.314					
ArCl	77	725.703		ug/L						

Br		79	2528.377	ug/L					
Br		81	23141.003	ug/L					
Y		89	442928.33	ug/L					
Mo		95	0.037355	278.34	ug/L	0.003			
Rh		103	430075.6	ug/L					
Ag		107	0.006898	695.034	ug/L	0.002			
Ag		109	0.008693	656.364	ug/L	0.001			
Cd		111	0.002758	37.667	ug/L	0.002			
Cd		114	-0.006605	410.347	ug/L	0.001			
In		115	573002.17	ug/L					
Sb		121	0.086249	1787.861	ug/L	0.003			
Sb		123	0.087049	1373.009	ug/L	0.002			
Ba		137	0.011261	120.335	ug/L	0.004			
Ba		138	0.012131	706.653	ug/L	0			
Tb		159	674475.38	ug/L					
Ho		165	648184.58	ug/L					
Hg		200	0.00527	33.334	ug/L	0.005			
Hg		202	0.00034	31.334	ug/L	0.001			
Tl		205	-0.001995	341.01	ug/L	0			
Pb		208	0.043606	2527.163	ug/L	0.001			
Bi		209	479412.85	ug/L					
Se		77	-0.042572	746.697	mg/L	0.12			
Se		78	-1.075427	15006.83	mg/L	0.872			
Se		82	0.350843	59.594	mg/L	0.012			

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
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Sample ID: Standard 9
Sample Date/Time Monday August 29 2011 16:50:53
Autosampl Position: 14
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata 9.18718
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9492.957		ug/L						
Be	9	0.005521	18.334	ug/L	0.004					
B	10	-0.112941	76.334	ug/L	0.034					
B	11	0.030942	354.01	ug/L	0.076					
C	12	557985.13		ug/L						
Na	23	4994.4467	31958547	ug/L	189.75					
Mg	24	4987.6599	20463227	ug/L	215.946					
Mg	25	4990.9995	2950436	ug/L	228.437					
Al	27	4988.6351	32659287	ug/L	242.118					
Si	28	65014.907		ug/L						
P	31	4992.5128	1614690	ug/L	86.077					
S	32	74606535		ug/L						
Cl	35	7981064.6		ug/L						
K	39	4989.1262	51660512	ug/L	112.006					
Ca	44	4987.7972	1603793	ug/L	129.139					
Sc	45	186868.11		ug/L						
Ti	47	11.204701	9542.435	ug/L	0.736					
Ti	48	3.787791	28275.41	ug/L	0.452					
V	51	-0.172241	35287.37	ug/L	0.111					
ClO	51	36183.228		ug/L						
Cr	52	-0.014963	7771.387	ug/L	0.061					
Cr	53	-0.621811	11795.1	ug/L	0.345					
Fe	54	4987.9601	3360252	ug/L	202.411					
Mn	55	-0.087096	2876.15	ug/L	0.007					
Fe	56	4995.3598	62209142	ug/L	242.598					
Fe	57	4993.6686	1391240	ug/L	143.641					
Co	59	0.013314	279.34	ug/L	0.001					
Ni	60	0.131962	435.681	ug/L	0.004					
Ni	62	0.051158	73.001	ug/L	0.018					
Cu	63	0.117255	879.718	ug/L	0					
Zn	64	45.006366	132284.7	ug/L	2.254					
Cu	65	0.087213	333.676	ug/L	0.008					
Zn	66	46.148289	79237.62	ug/L	1.862					
Zn	68	44.493042	55563.17	ug/L	1.796					
Ge	72	167556.94		ug/L						
As	75	-0.003774	-211.645	ug/L	0.036					
Se	74	91.463645	15297.93	mg/L	31.873					
ArCl	77	713.702		ug/L						

Br		79	2815.465	ug/L					
Br		81	23157.689	ug/L					
Y		89	438150.9	ug/L					
Mo		95	0.029677	242.339	ug/L	0.003			
Rh		103	414053.01	ug/L					
Ag		107	0.027256	936.391	ug/L	0.002			
Ag		109	0.02669	859.716	ug/L	0.002			
Cd		111	0.003942	40.667	ug/L	0.002			
Cd		114	0.01713	582.358	ug/L	0.004			
In		115	558135.92	ug/L					
Sb		121	0.34526	4559.522	ug/L	0.002			
Sb		123	0.355464	3585.794	ug/L	0.008			
Ba		137	0.035035	245.672	ug/L	0.002			
Ba		138	0.038465	1594.71	ug/L	0.001			
Tb		159	657400.18	ug/L					
Ho		165	640006.52	ug/L					
Hg		200	0.004268	30.667	ug/L	0			
Hg		202	0.003434	40.334	ug/L	0.002			
Tl		205	-0.001705	345.343	ug/L	0			
Pb		208	0.03932	2319.14	ug/L	0			
Bi		209	456148.78	ug/L					
Se		77	-0.276714	717.362	mg/L	0.331			
Se		78	-2.360069	14466.88	mg/L	0.084			
Se		82	0.063567	3.478	mg/L	0.112			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
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|	Na								
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Sample ID: QC Std 1
Sample Date/Time Monday August 29 2011 16:57:19
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.18719
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9842.66		ug/L						
Be	9	-0.00727	13	ug/L	0.013					
B	10	-0.283083	60.334	ug/L	0.111					
B	11	-0.047038	313.675	ug/L	0.031					
C	12	346688.45		ug/L						
Na	23	0.346536	15658.37	ug/L	0.082					
Mg	24	0.183818	1273.551	ug/L	0.042					
Mg	25	0.142443	173.352	ug/L	0.089					
Al	27	0.003666	4421.526	ug/L	0.07					
Si	28	59275.237		ug/L						
P	31	0.410821	8998.806	ug/L	5.815					
S	32	76922380		ug/L						
Cl	35	8604064.8		ug/L						
K	39	-2.896637	890720.1	ug/L	2.448					
Ca	44	-40.34235	43193.38	ug/L	8.159					
Sc	45	181778.96		ug/L						
Ti	47	-0.060043	174.337	ug/L	0.004					
Ti	48	0.124631	-3151.03	ug/L	0.032					
V	51	-0.051737	35673.9	ug/L	0.174					
ClO	51	36780.632		ug/L						
Cr	52	-0.045823	7276.783	ug/L	0.027					
Cr	53	-0.096834	12086.82	ug/L	0.556					
Fe	54	4.733103	57029.71	ug/L	6.955					
Mn	55	-0.152228	1825.202	ug/L	0.006					
Fe	56	-14.13156	2824290	ug/L	6.287					
Fe	57	3.738064	10904.3	ug/L	0.182					
Co	59	-0.003084	83.335	ug/L	0					
Ni	60	0.006239	84.335	ug/L	0.002					
Ni	62	0.004287	51.667	ug/L	0.007					
Cu	63	0.02453	322.676	ug/L	0.004					
Zn	64	0.032333	1163.108	ug/L	0.025					
Cu	65	0.027384	158.003	ug/L	0.01					
Zn	66	0.027209	696.367	ug/L	0.025					
Zn	68	0.0269	618.361	ug/L	0.01					
Ge	72	172228.13		ug/L						
As	75	0.014448	-185.321	ug/L	0.137					
Se	74	30.636581	19897.37	mg/L	100.142					
ArCl	77	726.036		ug/L						

Br	79	2348.327	ug/L				
Br	81	22961.19	ug/L				
Y	89	458081.95	ug/L				
Mo	95	0.006248	145.336	ug/L	0.004		
Rh	103	446162.66	ug/L				
Ag	107	-0.004557	563.357	ug/L	0.005		
Ag	109	-0.003637	519.354	ug/L	0.011		
Cd	111	-0.002921	19	ug/L	0		
Cd	114	-0.015673	349.677	ug/L	0.001		
In	115	591336.95	ug/L				
Sb	121	0.014657	1018.067	ug/L	0.006		
Sb	123	0.012702	757.731	ug/L	0.001		
Ba	137	-0.001929	49.001	ug/L	0.002		
Ba	138	-0.000482	269.192	ug/L	0.001		
Tb	159	687224.07	ug/L				
Ho	165	664359.95	ug/L				
Hg	200	-0.000518	20.334	ug/L	0.001		
Hg	202	-0.001704	25.667	ug/L	0.001		
Tl	205	-0.00425	280.34	ug/L	0.001		
Pb	208	0.004368	917.361	ug/L	0.001		
Bi	209	499154.07	ug/L				
Se	77	-0.447	696.027	mg/L	0.09		
Se	78	-1.190122	14958.63	mg/L	0.588		
Se	82	0.116841	13.884	mg/L	0.152		

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
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|>	Sc	100.601							
|	Ti								
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|	ArCl	
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Sample ID: QC Std 2
Sample Date/Time Monday August 29 2011 17:04:14
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.1872
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9817.301		ug/L						
Be	9	90.584389	33940.24	ug/L	0.38					
B	10	90.407647	7535.197	ug/L	0.322					
B	11	86.746813	35454.69	ug/L	0.72					
C	12	405541.19		ug/L						
Na	23	95.644538	617178.6	ug/L	0.068					
Mg	24	103.77506	420597.5	ug/L	0.652					
Mg	25	100.36034	58627.62	ug/L	0.799					
Al	27	96.104318	625166.6	ug/L	2.983					
Si	28	212877.98		ug/L						
P	31	-2.873287	8047.698	ug/L	0.059					
S	32	77447824		ug/L						
Cl	35	8265755.8		ug/L						
K	39	1011.9271	11075806	ug/L	34.972					
Ca	44	57.405093	73704.96	ug/L	3.397					
Sc	45	184195.32		ug/L						
Ti	47	89.337595	73522.55	ug/L	1.705					
Ti	48	91.313575	772247	ug/L	2					
V	51	87.099942	1026729	ug/L	0.773					
ClO	51	1035430.8		ug/L						
Cr	52	88.822477	857446.7	ug/L	0.115					
Cr	53	84.171022	112219.8	ug/L	0.336					
Fe	54	101.94961	121264.6	ug/L	4.733					
Mn	55	89.050607	1356686	ug/L	0.385					
Fe	56	78.910551	3949771	ug/L	7.891					
Fe	57	98.941818	37018.92	ug/L	1.871					
Co	59	88.923323	1034243	ug/L	0.7					
Ni	60	81.654706	223691.9	ug/L	0.374					
Ni	62	81.864818	33916.16	ug/L	1.099					
Cu	63	88.053117	512825.4	ug/L	0.398					
Zn	64	82.42716	238160.4	ug/L	0.049					
Cu	65	87.779922	247811.3	ug/L	0.013					
Zn	66	83.404837	140747.2	ug/L	0.579					
Zn	68	82.109661	100656.5	ug/L	0.653					
Ge	72	173865.53		ug/L						
As	75	100.28321	182107.8	ug/L	0.343					
Se	74	51.733602	18632.22	mg/L	7.528					
ArCl	77	13745.188		ug/L						

Br	79	2472.028	ug/L			
Br	81	22784.078	ug/L			
Y	89	444977.07	ug/L			
Mo	95	90.880646	405946.8	ug/L	4.546	
Rh	103	447850.29	ug/L			
Ag	107	45.959195	623541.5	ug/L	4.602	
Ag	109	44.424997	579417.3	ug/L	3.695	
Cd	111	95.48036	337072.6	ug/L	3.736	
Cd	114	95.271203	778671.9	ug/L	4.608	
In	115	593979.07	ug/L			
Sb	121	87.038972	1006908	ug/L	8.451	
Sb	123	86.953622	774170.1	ug/L	8.153	
Ba	137	94.29477	540419.1	ug/L	4.574	
Ba	138	92.04363	3367391	ug/L	4.818	
Tb	159	678537.26	ug/L			
Ho	165	653255.58	ug/L			
Hg	200	0.983792	2345.326	ug/L	0.042	
Hg	202	0.990849	3106.895	ug/L	0.011	
Tl	205	102.21312	3089748	ug/L	1.414	
Pb	208	98.760273	4139970	ug/L	0.988	
Bi	209	517158.81	ug/L			
Se	77	100.79418	13380.51	mg/L	1.628	
Se	78	100.89054	57864.73	mg/L	1.87	
Se	82	96.212007	18785.11	mg/L	0.665	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	89.688							
|	B	90.137							
|	B	86.487							
|	C								
|	Na	94.417							
|	Mg	102.748							
|	Mg	99.367							
|	Al	95.721							
|	Si								
|	P								
|	S								
|	Cl								
|	K	100.89							
|	Ca	56.893							
|>	Sc	101.938							
|	Ti	89.338							
|	Ti	91.314							
|	V	86.753							
|	ClO								
|	Cr	87.943							

	Cr	83.338
	Fe	101.342
	Mn	88.696
	Fe	78.44
	Fe	98.352
	Co	88.393
	Ni	81.007
	Ni	81.215
	Cu	88.141
	Zn	81.854
	Cu	87.868
	Zn	82.825
|-	Zn	81.539
|>	Ge	98.739
	As	100.889
	Se	51.63
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	90.609
|-	Rh	
	Ag	45.594
	Ag	44.072
	Cd	95.005
	Cd	94.797
|>	In	99.073
	Sb	86.779
	Sb	86.694
	Ba	93.639
|-	Ba	91.404
|-	Tb	
|>	Ho	96.431
	Hg	98.379
	Hg	99.085
	Tl	102.213
	Pb	98.76
|-	Bi	
	Se	100.593
	Se	100.689
	Se	96.02

Sample ID: QC Std 3
Sample Date/Time Monday August 29 2011 17:11:08
Autosampl Position: 15
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 3.18721
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9557.022		ug/L						
Be	9	1.09038	400.68	ug/L	0.009					
B	10	166.09469	13006.43	ug/L	4.782					
B	11	160.49411	61679.03	ug/L	6.04					
C	12	468973.01		ug/L						
Na	23	5.555074	46020.78	ug/L	0.034					
Mg	24	0.407424	2070.443	ug/L	0.011					
Mg	25	0.387499	300.035	ug/L	0.005					
Al	27	370.25648	2262290	ug/L	1.679					
Si	28	138135.38		ug/L						
P	31	1.04648	8771.774	ug/L	0.702					
S	32	75219553		ug/L						
Cl	35	8332321.2		ug/L						
K	39	2.6925	905481.4	ug/L	0.684					
Ca	44	-31.99982	43769.49	ug/L	3.545					
Sc	45	173925.39		ug/L						
Ti	47	0.223873	386.679	ug/L	0.037					
Ti	48	0.390752	-883.839	ug/L	0.049					
V	51	81.202392	906138.9	ug/L	1.205					
ClO	51	909621.15		ug/L						
Cr	52	2.610519	30958.33	ug/L	0.013					
Cr	53	2.382591	14352.13	ug/L	0.087					
Fe	54	83.170188	102897.9	ug/L	4.419					
Mn	55	21.064803	306031	ug/L	0.03					
Fe	56	77.297525	3711621	ug/L	4.347					
Fe	57	80.584834	30226.52	ug/L	0.565					
Co	59	0.039774	550.355	ug/L	0					
Ni	60	25.245378	65347.01	ug/L	0.098					
Ni	62	25.446044	9986.916	ug/L	0.302					
Cu	63	210.74817	1158687	ug/L	1.902					
Zn	64	88.618478	241694	ug/L	0.169					
Cu	65	210.6564	561437.2	ug/L	0.146					
Zn	66	91.400653	145579.5	ug/L	0.304					
Zn	68	95.815196	110813.7	ug/L	0.456					
Ge	72	165182.05		ug/L						
As	75	8.571025	14601.67	ug/L	0.002					
Se	74	67.48206	16680.13	mg/L	17.383					
ArCl	77	1859.209		ug/L						

Br	79	2027.581	ug/L				
Br	81	21272.753	ug/L				
Y	89	438792.22	ug/L				
Mo	95	4.914138	20966.39	ug/L	0.165		
Rh	103	423588.89	ug/L				
Ag	107	10.898839	141711.2	ug/L	0.514		
Ag	109	10.913946	136344.2	ug/L	0.493		
Cd	111	9.207713	31043.23	ug/L	0.225		
Cd	114	9.283538	72824.39	ug/L	0.37		
In	115	566411.34	ug/L				
Sb	121	8.715456	97063.08	ug/L	0.024		
Sb	123	8.623978	73915.49	ug/L	0.168		
Ba	137	281.26696	1538468	ug/L	2.626		
Ba	138	273.23681	9540938	ug/L	4.809		
Tb	159	666559.6	ug/L				
Ho	165	642572.9	ug/L				
Hg	200	1.031916	2419.013	ug/L	0.004		
Hg	202	1.059174	3264.952	ug/L	0.009		
Tl	205	1.512191	45356.66	ug/L	0.002		
Pb	208	10.395845	429296.3	ug/L	0.018		
Bi	209	492001.33	ug/L				
Se	77	9.089588	1890.863	mg/L	0.391		
Se	78	6.478021	18181.67	mg/L	0.737		
Se	82	9.015034	1752.057	mg/L	0.137		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	98.766							
|	B	97.933							
|	B	94.631							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	108.262							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.255							
|	Ti								
|	Ti								
|	V	93.122							
|	ClO								
|	Cr	95.274							

	Cr	86.956
	Fe	102.426
	Mn	94.887
	Fe	95.194
	Fe	99.242
	Co	
	Ni	85.869
	Ni	86.551
	Cu	92.433
	Zn	84.884
	Cu	92.393
	Zn	87.549
-	Zn	91.777
>	Ge	93.808
	As	101.552
	Se	743.194
	ArCl	
	Br	
	Br	
	Y	
-	Mo	104.556
-	Rh	
	Ag	99.806
	Ag	99.945
	Cd	93.765
	Cd	94.537
>	In	94.475
	Sb	128.927
	Sb	127.574
	Ba	97.662
-	Ba	94.874
-	Tb	
>	Ho	94.854
	Hg	103.192
	Hg	105.917
	Tl	100.145
	Pb	99.197
-	Bi	
	Se	100.106
	Se	71.344
	Se	99.285

Sample ID: QC Std 5
Sample Date/Time Monday August 29 2011 17:18:02
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.18722
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9484.947		ug/L						
Be	9	41.368029	14583.5	ug/L	0.42					
B	10	157.68394	12302.11	ug/L	1.469					
B	11	151.95396	58169.8	ug/L	0.103					
C	12	408037.41		ug/L						
Na	23	3.475627	33505.03	ug/L	0.107					
Mg	24	0.16139	1126.85	ug/L	0.025					
Mg	25	0.182921	186.687	ug/L	0.009					
Al	27	183.37996	1117902	ug/L	2.971					
Si	28	106669.44		ug/L						
P	31	1.432412	8851.859	ug/L	0.236					
S	32	75482275		ug/L						
Cl	35	7900089.7		ug/L						
K	39	1.488363	890239.8	ug/L	2.696					
Ca	44	-31.54772	43715.89	ug/L	3.904					
Sc	45	173228.63		ug/L						
Ti	47	0.039745	243.006	ug/L	0.02					
Ti	48	0.204671	-2364.76	ug/L	0.022					
V	51	23.368607	284230.5	ug/L	1.14					
ClO	51	289456.58		ug/L						
Cr	52	46.622274	426665.5	ug/L	0.958					
Cr	53	43.839384	60521.4	ug/L	1.755					
Fe	54	194.94679	171086.7	ug/L	17.727					
Mn	55	100.36666	1437070	ug/L	2.973					
Fe	56	177.87365	4801716	ug/L	1.272					
Fe	57	188.22268	57694.93	ug/L	8.214					
Co	59	22.293849	243843.3	ug/L	0.791					
Ni	60	176.27617	453971.6	ug/L	3.746					
Ni	62	177.21085	68971.67	ug/L	4.505					
Cu	63	72.915371	399277.2	ug/L	2.124					
Zn	64	91.105546	247413.6	ug/L	1.344					
Cu	65	72.847137	193375.6	ug/L	1.58					
Zn	66	91.925923	145802	ug/L	1.446					
Zn	68	93.841779	108086.2	ug/L	1.85					
Ge	72	166379.39		ug/L						
As	75	43.491103	75458.96	ug/L	0.534					
Se	74	-34.11889	23488.66	mg/L	52.169					
ArCl	77	21596.171		ug/L						

Br		79	2301.648	ug/L					
Br		81	22571.88	ug/L					
Y		89	440759.44	ug/L					
Mo		95	40.882032	174791.8	ug/L	1.812			
Rh		103	431240.64	ug/L					
Ag		107	41.766472	549906	ug/L	1.546			
Ag		109	40.795166	516247.8	ug/L	0.199			
Cd		111	22.476336	76932.25	ug/L	0.173			
Cd		114	22.449384	178227	ug/L	0.436			
In		115	575307.29	ug/L					
Sb		121	47.2246	530544.6	ug/L	0.244			
Sb		123	46.884523	405325.3	ug/L	0.425			
Ba		137	135.46569	752633.8	ug/L	1.443			
Ba		138	133.65064	4740399	ug/L	1.689			
Tb		159	674278.3	ug/L					
Ho		165	650363.14	ug/L					
Hg		200	1.061559	2517.707	ug/L	0.041			
Hg		202	1.085759	3386.331	ug/L	0.024			
Tl		205	14.050156	423184.1	ug/L	0.067			
Pb		208	103.32977	4312367	ug/L	0.051			
Bi		209	498253.6	ug/L					
Se		77	162.74163	21141.89	mg/L	0.453			
Se		78	158.43647	82052.18	mg/L	3.668			
Se		82	151.77534	29638.85	mg/L	0.152			
QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	97.108							
|	B	98.552							
|	B	94.971							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	104.193							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.869							
|	Ti								
|	Ti								
|	V	93.85							
|	ClO								
|	Cr	94.761							

|	Cr	89.104
|	Fe	108.909
|	Mn	94.686
|	Fe	99.371
|	Fe	105.152
|	Co	95.682
|	Ni	86.41
|	Ni	86.868
|	Cu	93.242
|	Zn	86.767
|	Cu	93.155
|	Zn	87.548
|-	Zn	89.373
|>	Ge	94.488
|	As	110.384
|	Se	-21.324
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	97.57
|-	Rh	
|	Ag	83.035
|	Ag	81.104
|	Cd	96.881
|	Cd	96.765
|>	In	95.959
|	Sb	101.558
|	Sb	100.827
|	Ba	96.075
|-	Ba	94.788
|-	Tb	
|>	Ho	96.004
|	Hg	106.156
|	Hg	108.576
|	Tl	98.945
|	Pb	99.356
|-	Bi	
	Se	101.714
	Se	99.023
	Se	94.86

Sample ID: QC Std 6
Sample Date/Time Monday August 29 2011 17:24:57
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18723
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9280.735		ug/L						
Be	9	-0.004535	15.667	ug/L	0.014					
B	10	0.533513	140.336	ug/L	0.228					
B	11	0.544599	608.693	ug/L	0.171					
C	12	407305.37		ug/L						
Na	23	9153.3667	63136763	ug/L	227.255					
Mg	24	9330.5522	41271189	ug/L	366.312					
Mg	25	9031.5468	5758729	ug/L	15.156					
Al	27	9187.0344	64863052	ug/L	155.247					
Si	28	60328.87		ug/L						
P	31	9355.241	3252540	ug/L	142.918					
S	32	72696125		ug/L						
Cl	35	7210158.6		ug/L						
K	39	9112.8298	1.01E+08	ug/L	33.112					
Ca	44	8529.8989	2913786	ug/L	69.281					
Sc	45	201366.26		ug/L						
Ti	47	19.506266	17741.14	ug/L	0.192					
Ti	48	7.707798	66915.49	ug/L	0.844					
V	51	-0.711922	31345.93	ug/L	0.023					
ClO	51	32298.935		ug/L						
Cr	52	-0.096407	7533.249	ug/L	0.027					
Cr	53	-2.367189	10457.45	ug/L	0.072					
Fe	54	8878.4647	6402627	ug/L	198.576					
Mn	55	-0.112219	2680.092	ug/L	0.024					
Fe	56	9042.0465	1.19E+08	ug/L	369.129					
Fe	57	9455.3037	2830249	ug/L	101.333					
Co	59	0.021982	410.68	ug/L	0.002					
Ni	60	0.203891	684.699	ug/L	0.012					
Ni	62	0.049967	78.001	ug/L	0.011					
Cu	63	0.180994	1353.448	ug/L	0.003					
Zn	64	0.422341	2514.868	ug/L	0.032					
Cu	65	0.112198	437.015	ug/L	0.005					
Zn	66	0.344365	1354.114	ug/L	0.018					
Zn	68	0.296544	1044.07	ug/L	0.024					
Ge	72	166462.5		ug/L						
As	75	0.126587	16.047	ug/L	0.003					
Se	74	87.729556	15418.02	mg/L	68.258					
ArCl	77	637.362		ug/L						

Br	79	2614.404	ug/L						
Br	81	20517.001	ug/L						
Y	89	424521.35	ug/L						
Mo	95	0.24133	1142.752	ug/L	0.065				
Rh	103	404149.53	ug/L						
Ag	107	0.151744	2568.398	ug/L	0.045				
Ag	109	0.154408	2467.7	ug/L	0.041				
Cd	111	0.007874	54.667	ug/L	0.001				
Cd	114	0.001594	470.684	ug/L	0.001				
In	115	567603.13	ug/L						
Sb	121	0.527152	6650.516	ug/L	0.071				
Sb	123	0.523911	5081.188	ug/L	0.053				
Ba	137	0.040608	280.34	ug/L	0.001				
Ba	138	0.042305	1755.918	ug/L	0.002				
Tb	159	668231.71	ug/L						
Ho	165	639746.41	ug/L						
Hg	200	0.015945	57.667	ug/L	0.001				
Hg	202	0.011979	66.334	ug/L	0.002				
Tl	205	-0.000644	376.678	ug/L	0.001				
Pb	208	0.029679	1922.432	ug/L	0				
Bi	209	480451.54	ug/L						
Se	77	-0.925923	636.023	mg/L	0.798				
Se	78	-3.549301	13967.03	mg/L	0.304				
Se	82	0.187606	27.707	mg/L	0.057				

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	91.534							
|	Mg	93.306							
|	Mg	90.315							
|	Al	91.87							
|	Si								
|	P	93.552							
|	S								
|	Cl								
|	K	91.128							
|	Ca	85.299							
|>	Sc	111.441							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	88.785
	Mn	
	Fe	90.42
	Fe	94.553
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.535
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.674
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.436
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 17:31:52
Autosampl Position: 17
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18724
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9407.532		ug/L						
Be	9	0.032875	25.667	ug/L	0.02					
B	10	0.815552	138.002	ug/L	0.217					
B	11	1.131857	724.036	ug/L	0.04					
C	12	416156.12		ug/L						
Na	23	5.433548	43652.24	ug/L	0.18					
Mg	24	1.709328	6789.88	ug/L	0.062					
Mg	25	1.637814	953.479	ug/L	0.084					
Al	27	2.723855	20057.44	ug/L	0.085					
Si	28	75187.309		ug/L						
P	31	-0.191568	8091.082	ug/L	2.428					
S	32	74184883		ug/L						
Cl	35	10006220		ug/L						
K	39	8.303068	923762.6	ug/L	2.729					
Ca	44	-24.86965	44171.46	ug/L	2.777					
Sc	45	167652.15		ug/L						
Ti	47	0.092009	274.34	ug/L	0.005					
Ti	48	0.267654	-1801.81	ug/L	0.015					
V	51	0.429832	37902.9	ug/L	0.079					
ClO	51	38853.913		ug/L						
Cr	52	0.070024	7721.679	ug/L	0.02					
Cr	53	1.202094	12558.8	ug/L	0.056					
Fe	54	19.928816	61523.86	ug/L	7.316					
Mn	55	-0.048982	3108.896	ug/L	0.003					
Fe	56	5.659841	2815579	ug/L	5.957					
Fe	57	12.466961	12222.77	ug/L	0.724					
Co	59	0.035687	487.018	ug/L	0.002					
Ni	60	0.120866	363.344	ug/L	0.004					
Ni	62	0.130673	95.335	ug/L	0.012					
Cu	63	0.119221	799.376	ug/L	0.006					
Zn	64	1.555191	5058.301	ug/L	0.07					
Cu	65	0.117786	378.678	ug/L	0.012					
Zn	66	1.55726	2981.185	ug/L	0.044					
Zn	68	1.479325	2180.95	ug/L	0.045					
Ge	72	168254.9		ug/L						
As	75	0.035715	-143.565	ug/L	0.003					
Se	74	94.927517	15164.55	mg/L	33.584					
ArCl	77	774.374		ug/L						

Br	79	1513.141	ug/L						
Br	81	20153.518	ug/L						
Y	89	444477.33	ug/L						
Mo	95	0.126653	662.364	ug/L	0.003				
Rh	103	428894.8	ug/L						
Ag	107	0.116602	2079.259	ug/L	0.003				
Ag	109	0.113936	1932.225	ug/L	0.001				
Cd	111	0.037914	153.67	ug/L	0				
Cd	114	0.019309	599.692	ug/L	0				
In	115	558841.87	ug/L						
Sb	121	0.299111	4062.615	ug/L	0.011				
Sb	123	0.303457	3153.889	ug/L	0.001				
Ba	137	0.063091	397.346	ug/L	0.002				
Ba	138	0.067522	2597.672	ug/L	0.001				
Tb	159	671928.82	ug/L						
Ho	165	639912.1	ug/L						
Hg	200	0.008593	40.667	ug/L	0				
Hg	202	0.004303	43.001	ug/L	0.002				
Tl	205	0.03651	1476.802	ug/L	0.003				
Pb	208	0.057413	3061.566	ug/L	0.001				
Bi	209	453552.07	ug/L						
Se	77	0.287358	788.034	mg/L	0.105				
Se	78	-2.204464	14532.28	mg/L	0.525				
Se	82	0.328072	55.146	mg/L	0.005				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.783							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.553
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.212
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.461
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 17:38:22
Autosampl Position: 18
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18725
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9278.066		ug/L						
Be	9	-0.004276	12.667	ug/L	0.005					
B	10	0.727039	127.336	ug/L	0.083					
B	11	0.85491	601.693	ug/L	0.027					
C	12	414375.15		ug/L						
Na	23	1.008494	17658.9	ug/L	0.079					
Mg	24	0.333151	1666.986	ug/L	0.013					
Mg	25	0.335135	253.362	ug/L	0.123					
Al	27	0.522346	6889.965	ug/L	0.024					
Si	28	65051.767		ug/L						
P	31	2.035887	8464.811	ug/L	3.086					
S	32	74531935		ug/L						
Cl	35	9595915.8		ug/L						
K	39	6.601852	879124	ug/L	1.305					
Ca	44	-24.57428	42831.6	ug/L	1.224					
Sc	45	162240.34		ug/L						
Ti	47	-0.010981	191.004	ug/L	0.022					
Ti	48	0.113311	-2900.25	ug/L	0.016					
V	51	0.559939	37990.26	ug/L	0.008					
ClO	51	38834.156		ug/L						
Cr	52	0.038624	7208.301	ug/L	0.029					
Cr	53	1.680962	12654.26	ug/L	0.022					
Fe	54	10.248787	53996.38	ug/L	4.52					
Mn	55	-0.157397	1558.482	ug/L	0.001					
Fe	56	8.942293	2758960	ug/L	3.142					
Fe	57	2.840827	9515.929	ug/L	1.002					
Co	59	-0.001944	86.001	ug/L	0.001					
Ni	60	0.008953	81.668	ug/L	0.006					
Ni	62	0.012969	49.334	ug/L	0.006					
Cu	63	0.015354	241.339	ug/L	0.003					
Zn	64	0.489103	2196.071	ug/L	0.011					
Cu	65	0.010758	100.002	ug/L	0.005					
Zn	66	0.50127	1323.443	ug/L	0.001					
Zn	68	0.452866	1009.066	ug/L	0.035					
Ge	72	163104.84		ug/L						
As	75	-0.01456	-224.863	ug/L	0.06					
Se	74	58.762942	17026.58	mg/L	33.155					
ArCl	77	759.706		ug/L						

Br	79	1617.827	ug/L						
Br	81	20872.478	ug/L						
Y	89	427872.98	ug/L						
Mo	95	0.039598	277.34	ug/L	0				
Rh	103	421737.25	ug/L						
Ag	107	0.017412	804.377	ug/L	0.003				
Ag	109	0.022501	801.377	ug/L	0.003				
Cd	111	0.000002	27.334	ug/L	0.002				
Cd	114	-0.02567	251.339	ug/L	0.001				
In	115	553449.6	ug/L						
Sb	121	0.120259	2093.262	ug/L	0.002				
Sb	123	0.121406	1612.051	ug/L	0.006				
Ba	137	0.004316	79.334	ug/L	0.001				
Ba	138	0.002561	356.177	ug/L	0				
Tb	159	650485.42	ug/L						
Ho	165	631348.18	ug/L						
Hg	200	0.00415	30	ug/L	0.002				
Hg	202	0.001274	33.334	ug/L	0				
Tl	205	-0.003578	286.007	ug/L	0				
Pb	208	0.003738	846.357	ug/L	0				
Bi	209	450890.45	ug/L						
Se	77	-0.191572	728.029	mg/L	0.211				
Se	78	-2.153449	14553.73	mg/L	0.117				
Se	82	0.082391	7.155	mg/L	0.046				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	89.788							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.628
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.313
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.197
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LLCS
Sample Date/Time Monday August 29 2011 17:44:47
Autosampl Position: 19
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LLCS.18726
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9868.02		ug/L						
Be	9	0.077573	43.001	ug/L	0.022					
B	10	-0.052328	76.668	ug/L	0.066					
B	11	0.124082	369.678	ug/L	0.055					
C	12	555630.78		ug/L						
Na	23	9.880677	72579.14	ug/L	0.136					
Mg	24	10.806723	42279	ug/L	0.222					
Mg	25	10.261702	5802.438	ug/L	0.856					
Al	27	9.887785	65216.3	ug/L	0.157					
Si	28	60087.247		ug/L						
P	31	5.546421	10230.11	ug/L	1.36					
S	32	74502744		ug/L						
Cl	35	8570390.5		ug/L						
K	39	8.70611	972958.6	ug/L	1.509					
Ca	44	-31.105	44516.51	ug/L	0.748					
Sc	45	175834.89		ug/L						
Ti	47	0.070189	270.673	ug/L	0.006					
Ti	48	0.233555	-2167.82	ug/L	0.004					
V	51	0.201574	37286.35	ug/L	0.018					
ClO	51	38017.04		ug/L						
Cr	52	0.042072	7845.894	ug/L	0.02					
Cr	53	0.456749	12328.14	ug/L	0.098					
Fe	54	1.545415	53101.7	ug/L	2.939					
Mn	55	-0.113785	2321.32	ug/L	0.004					
Fe	56	-10.05698	2778559	ug/L	2.31					
Fe	57	8.229746	11718.72	ug/L	0.852					
Co	59	0.085912	1068.74	ug/L	0.005					
Ni	60	0.080254	275.007	ug/L	0.001					
Ni	62	0.097954	87.001	ug/L	0.012					
Cu	63	0.2884	1778.859	ug/L	0.008					
Zn	64	0.387684	2101.888	ug/L	0.01					
Cu	65	0.290955	863.383	ug/L	0.008					
Zn	66	0.409838	1287.771	ug/L	0.009					
Zn	68	0.367402	994.398	ug/L	0.013					
Ge	72	166680.84		ug/L						
As	75	0.090351	-46.977	ug/L	0.017					
Se	74	63.081434	17099.94	mg/L	96.41					
ArCl	77	716.702		ug/L						

Br		79	2686.758	ug/L					
Br		81	21335.58	ug/L					
Y		89	436116.15	ug/L					
Mo		95	0.120014	627.695	ug/L	0.003			
Rh		103	427372.27	ug/L					
Ag		107	0.093238	1817.201	ug/L	0.015			
Ag		109	0.096375	1751.853	ug/L	0.01			
Cd		111	0.094259	348.01	ug/L	0.005			
Cd		114	0.062406	950.393	ug/L	0.004			
In		115	570379.81	ug/L					
Sb		121	0.158829	2586.394	ug/L	0.001			
Sb		123	0.160653	1996.846	ug/L	0.001			
Ba		137	0.096582	590.025	ug/L	0.001			
Ba		138	0.094603	3603.277	ug/L	0.006			
Tb		159	662115.54	ug/L					
Ho		165	646577.67	ug/L					
Hg		200	0.100929	257.006	ug/L	0.001			
Hg		202	0.09484	321.676	ug/L	0			
Tl		205	0.089831	3087.555	ug/L	0.002			
Pb		208	0.092368	4543.156	ug/L	0.003			
Bi		209	482505.26	ug/L					
Se		77	-0.819497	649.357	mg/L	0.316			
Se		78	-3.034113	14183.57	mg/L	0.947			
Se		82	0.119613	14.426	mg/L	0.09			
QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.312							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.659
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.137
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.445
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: ICSA
Sample Date/Time Monday August 29 2011 17:51:12
Autosampl Position: 20
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\ICSA.18727
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9298.086		ug/L						
Be	9	0.05023	35.667	ug/L	0.016					
B	10	0.053866	91.668	ug/L	0.03					
B	11	0.251656	452.016	ug/L	0.017					
C	12	3627132.1		ug/L						
Na	23	44144.547	2.86E+08	ug/L	2776.275					
Mg	24	44633.241	1.86E+08	ug/L	3974.433					
Mg	25	43545.106	26109777	ug/L	3389.352					
Al	27	44650.314	2.96E+08	ug/L	3518.172					
Si	28	109587.49		ug/L						
P	31	47186.4	15400846	ug/L	2701.837					
S	32	104942807		ug/L						
Cl	35	17671321		ug/L						
K	39	44115.118	4.56E+08	ug/L	3358.637					
Ca	44	43239.11	13648710	ug/L	3943.164					
Sc	45	189751.93		ug/L						
Ti	47	98.221731	83184.78	ug/L	2.926					
Ti	48	41.502238	359469.6	ug/L	1.193					
V	51	0.991555	49367.6	ug/L	0.381					
ClO	51	50857.137		ug/L						
Cr	52	0.021092	8261.375	ug/L	0.007					
Cr	53	3.597166	17108.93	ug/L	1.012					
Fe	54	43877.703	29552301	ug/L	2795.368					
Mn	55	0.076008	5465.03	ug/L	0.023					
Fe	56	45145.468	5.46E+08	ug/L	1338.436					
Fe	57	47505.127	13340350	ug/L	2558.696					
Co	59	0.13342	1721.514	ug/L	0.003					
Ni	60	1.009736	2919.832	ug/L	0.01					
Ni	62	0.561101	290.008	ug/L	0.112					
Cu	63	0.679366	4259.374	ug/L	0.033					
Zn	64	6.275499	19686.27	ug/L	0.342					
Cu	65	0.540002	1652.167	ug/L	0.046					
Zn	66	3.908698	7432.778	ug/L	0.236					
Zn	68	3.454959	4943.727	ug/L	0.167					
Ge	72	166031.78		ug/L						
As	75	0.201544	146.243	ug/L	0.029					
Se	74	263.23451	3864.955	mg/L	23.587					
ArCl	77	1318.776		ug/L						

Br	79	31946.729	ug/L						
Br	81	51012.252	ug/L						
Y	89	404832.6	ug/L						
Mo	95	0.153435	767.707	ug/L	0.008				
Rh	103	393193.45	ug/L						
Ag	107	0.106205	1855.541	ug/L	0.002				
Ag	109	0.084758	1501.139	ug/L	0.002				
Cd	111	0.103927	356.011	ug/L	0.006				
Cd	114	0.1107	1242.097	ug/L	0				
In	115	532855.93	ug/L						
Sb	121	0.480458	5758.549	ug/L	0.006				
Sb	123	0.480648	4421.853	ug/L	0.019				
Ba	137	0.221088	1192.09	ug/L	0.003				
Ba	138	0.226401	7693.437	ug/L	0.006				
Tb	159	633487.57	ug/L						
Ho	165	603250.49	ug/L						
Hg	200	0.030731	86.668	ug/L	0.003				
Hg	202	0.022129	91.668	ug/L	0.002				
Tl	205	0.051486	1809.865	ug/L	0.002				
Pb	208	0.170126	7248.876	ug/L	0.001				
Bi	209	421643.32	ug/L						
Se	77	5.012969	1380.105	mg/L	0.286				
Se	78	-4.874109	13410.19	mg/L	0.415				
Se	82	0.470882	83.043	mg/L	0.061				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.014							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.29
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.878
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.049
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: ICSAB
Sample Date/Time Monday August 29 2011 17:57:38
Autosampl Position: 21
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\ICSAB.18728
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9228.682		ug/L						
Be	9	9.191196	3196.594	ug/L	0.167					
B	10	8.519015	727.37	ug/L	0.26					
B	11	8.542398	3508.712	ug/L	0.027					
C	12	3617996.3		ug/L						
Na	23	48691.256	2.84E+08	ug/L	774.889					
Mg	24	49587.364	1.86E+08	ug/L	1112.863					
Mg	25	49321.435	26591073	ug/L	980.674					
Al	27	49485.919	2.95E+08	ug/L	847.929					
Si	28	103991.75		ug/L						
P	31	53885.596	15805643	ug/L	76.208					
S	32	104926590		ug/L						
Cl	35	17815415		ug/L						
K	39	49303.792	4.58E+08	ug/L	12.486					
Ca	44	49388.314	14014454	ug/L	1403.586					
Sc	45	170282.77		ug/L						
Ti	47	111.58272	84830.5	ug/L	2.854					
Ti	48	47.474006	369409.3	ug/L	2.734					
V	51	10.128418	140407.7	ug/L	0.101					
ClO	51	143215.74		ug/L						
Cr	52	8.292029	80542.15	ug/L	0.193					
Cr	53	13.491985	26236.08	ug/L	0.31					
Fe	54	50035.16	30286133	ug/L	25.186					
Mn	55	8.399916	121781.5	ug/L	0.108					
Fe	56	50146.933	5.44E+08	ug/L	1131.314					
Fe	57	52778.081	13317527	ug/L	655.609					
Co	59	8.22761	88567.93	ug/L	0.019					
Ni	60	8.280934	21028.5	ug/L	0.023					
Ni	62	7.784508	3024.2	ug/L	0.146					
Cu	63	8.460036	45701.38	ug/L	0.098					
Zn	64	14.730069	40168.34	ug/L	0.153					
Cu	65	8.385878	21952.7	ug/L	0.193					
Zn	66	12.139339	19459.67	ug/L	0.037					
Zn	68	11.499558	13503.82	ug/L	0.119					
Ge	72	164485.51		ug/L						
As	75	9.248497	15702.56	ug/L	0.238					
Se	74	259.44027	4067.364	mg/L	23.543					
ArCl	77	2409.344		ug/L						

Br		79	34334.537	ug/L					
Br		81	52324.09	ug/L					
Y		89	406062.85	ug/L					
Mo		95	9.466879	40104.34	ug/L	0.017			
Rh		103	389888.13	ug/L					
Ag		107	8.941946	106231.8	ug/L	0.084			
Ag		109	8.923492	101850.8	ug/L	0.139			
Cd		111	9.327442	28703.53	ug/L	0.012			
Cd		114	9.363391	67044.65	ug/L	0.002			
In		115	516953.27	ug/L					
Sb		121	11.088984	112507.7	ug/L	0.126			
Sb		123	11.052144	86289.24	ug/L	0.075			
Ba		137	9.746334	48708.98	ug/L	0.139			
Ba		138	9.847843	314108.1	ug/L	0.005			
Tb		159	626630.51	ug/L					
Ho		165	601475.12	ug/L					
Hg		200	1.015158	2227.629	ug/L	0.012			
Hg		202	0.986509	2848.475	ug/L	0.011			
Tl		205	8.744123	243688.4	ug/L	0.153			
Pb		208	8.963557	346538.1	ug/L	0.131			
Bi		209	410486.97	ug/L					
Se		77	13.63481	2460.333	mg/L	0.587			
Se		78	3.031659	16733.11	mg/L	0.261			
Se		82	8.731133	1696.6	mg/L	0.172			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.239							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.412
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.225
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.787
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 5ppm LRC-flush
Sample Date/Time Monday August 29 2011 18:04:04
Autosampl Position: 22
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata LRC-flush.18729
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9865.35		ug/L						
Be	9	0.015057	18.334	ug/L	0.024					
B	10	0.658463	118.669	ug/L	0.039					
B	11	0.687939	525.687	ug/L	0.024					
C	12	423421.32		ug/L						
Na	23	7.235484	50655.79	ug/L	0.376					
Mg	24	2.579517	9379.107	ug/L	0.072					
Mg	25	2.841892	1490.272	ug/L	0.486					
Al	27	3.155499	21186.79	ug/L	0.257					
Si	28	64326.526		ug/L						
P	31	4.481973	8848.54	ug/L	4.08					
S	32	71583612		ug/L						
Cl	35	9546265.8		ug/L						
K	39	11.432071	893292.1	ug/L	4.896					
Ca	44	-20.79556	42486.65	ug/L	9.235					
Sc	45	157335.86		ug/L						
Ti	47	0.007112	198.004	ug/L	0					
Ti	48	0.188818	-2261.57	ug/L	0.027					
V	51	0.928575	40405	ug/L	0.102					
ClO	51	41498.917		ug/L						
Cr	52	0.03967	6996.788	ug/L	0.027					
Cr	53	3.031871	13637.36	ug/L	0.201					
Fe	54	34.443	65823.93	ug/L	7.017					
Mn	55	-0.070133	2642.744	ug/L	0.004					
Fe	56	29.829617	2881998	ug/L	13.289					
Fe	57	22.881845	13891.99	ug/L	1.902					
Co	59	0.001106	113.669	ug/L	0					
Ni	60	0.080803	247.339	ug/L	0.001					
Ni	62	0.075688	70.001	ug/L	0.002					
Cu	63	0.076653	538.355	ug/L	0.006					
Zn	64	1.116989	3670.047	ug/L	0.059					
Cu	65	0.070742	242.006	ug/L	0.009					
Zn	66	1.095961	2134.939	ug/L	0.072					
Zn	68	1.072203	1621.828	ug/L	0.097					
Ge	72	163878.58		ug/L						
As	75	-0.072165	-324.179	ug/L	0.15					
Se	74	42.804262	18143.54	mg/L	6.46					
ArCl	77	768.707		ug/L						

Br	79	2403.675	ug/L			
Br	81	21762.571	ug/L			
Y	89	425109.76	ug/L			
Mo	95	0.047925	313.675	ug/L	0.003	
Rh	103	424293.17	ug/L			
Ag	107	0.067235	1437.129	ug/L	0.015	
Ag	109	0.06667	1341.113	ug/L	0.01	
Cd	111	0.004016	40.667	ug/L	0	
Cd	114	-0.024829	258.006	ug/L	0.003	
In	115	554293.15	ug/L			
Sb	121	0.061866	1465.466	ug/L	0.005	
Sb	123	0.066634	1158.608	ug/L	0	
Ba	137	0.046315	304.341	ug/L	0.002	
Ba	138	0.048032	1910.483	ug/L	0	
Tb	159	651943.48	ug/L			
Ho	165	634734.22	ug/L			
Hg	200	0.004522	31	ug/L	0.001	
Hg	202	0.004087	42.001	ug/L	0	
Tl	205	0.007356	608.693	ug/L	0.001	
Pb	208	0.038412	2262.8	ug/L	0.002	
Bi	209	440358.83	ug/L			
Se	77	-0.713067	662.691	mg/L	0.828	
Se	78	-3.419313	14021.66	mg/L	0.741	
Se	82	0.143132	19.02	mg/L	0.019	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	87.074							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.068
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.453
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.697
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 18:10:31
Autosampl Position: 23
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18730
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10084.258		ug/L						
Be	9	0.030894	23.667	ug/L	0.011					
B	10	0.9173	138.002	ug/L	0.074					
B	11	1.089623	670.031	ug/L	0.113					
C	12	418469.06		ug/L						
Na	23	4.604372	36818.08	ug/L	0.249					
Mg	24	1.701746	6416.251	ug/L	0.112					
Mg	25	1.587997	880.131	ug/L	0.222					
Al	27	2.551217	18043.04	ug/L	0.003					
Si	28	72068.521		ug/L						
P	31	-1.062958	7410.439	ug/L	3.707					
S	32	73374013		ug/L						
Cl	35	10353143		ug/L						
K	39	6.061548	854958.9	ug/L	4.824					
Ca	44	-20.50864	42965.59	ug/L	5.497					
Sc	45	158803.03		ug/L						
Ti	47	0.006929	200.004	ug/L	0.018					
Ti	48	0.168583	-2431.19	ug/L	0.019					
V	51	0.930836	40785.7	ug/L	0.157					
ClO	51	41794.62		ug/L						
Cr	52	0.057643	7210.879	ug/L	0.016					
Cr	53	2.993262	13718.15	ug/L	0.446					
Fe	54	30.882141	64394.62	ug/L	7.959					
Mn	55	-0.066424	2715.433	ug/L	0.005					
Fe	56	24.648383	2855805	ug/L	13.549					
Fe	57	16.229934	12449.76	ug/L	2.784					
Co	59	0.017878	282.674	ug/L	0.001					
Ni	60	0.783619	1907.886	ug/L	0.023					
Ni	62	0.781744	322.009	ug/L	0.056					
Cu	63	0.121782	769.707	ug/L	0.006					
Zn	64	2.203176	6390.985	ug/L	0.162					
Cu	65	0.126987	379.345	ug/L	0.026					
Zn	66	2.210733	3766.484	ug/L	0.133					
Zn	68	2.135975	2753.111	ug/L	0.134					
Ge	72	163479.61		ug/L						
As	75	-0.033416	-256.574	ug/L	0.096					
Se	74	112.66564	13534.21	mg/L	78.105					
ArCl	77	806.044		ug/L						

Br	79	1845.539	ug/L						
Br	81	20499.962	ug/L						
Y	89	417028.08	ug/L						
Mo	95	0.250824	1164.753	ug/L	0.003				
Rh	103	412777.5	ug/L						
Ag	107	0.124798	2118.268	ug/L	0.001				
Ag	109	0.120519	1952.229	ug/L	0.004				
Cd	111	0.018356	86.001	ug/L	0				
Cd	114	-0.009787	364.678	ug/L	0.002				
In	115	542044.3	ug/L						
Sb	121	0.352246	4502.494	ug/L	0.006				
Sb	123	0.359206	3512.236	ug/L	0.004				
Ba	137	0.048453	308.675	ug/L	0.003				
Ba	138	0.053564	2052.763	ug/L	0.002				
Tb	159	641208.37	ug/L						
Ho	165	619814.25	ug/L						
Hg	200	0.007821	37.667	ug/L	0.002				
Hg	202	0.004193	41.334	ug/L	0.002				
Tl	205	0.019007	928.39	ug/L	0.001				
Pb	208	0.046824	2544.163	ug/L	0.002				
Bi	209	449925.37	ug/L						
Se	77	0.106429	765.366	mg/L	0.241				
Se	78	-2.963156	14213.39	mg/L	0.75				
Se	82	0.080952	6.874	mg/L	0.01				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	87.886							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.841
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.41
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.494
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 18:16:58
Autosampl Position: 24
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18731
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10460.682		ug/L						
Be	9	-0.001386	13.667	ug/L	0.006					
B	10	1.475669	182.67	ug/L	0.139					
B	11	1.666805	896.386	ug/L	0.126					
C	12	427520.08		ug/L						
Na	23	8.323702	58644.44	ug/L	0.611					
Mg	24	1.714221	6633.083	ug/L	0.021					
Mg	25	1.734783	976.817	ug/L	0.185					
Al	27	2.996907	21093.22	ug/L	0.149					
Si	28	78720.558		ug/L						
P	31	0.545993	8094.412	ug/L	0.523					
S	32	73260491		ug/L						
Cl	35	11232903		ug/L						
K	39	6.013792	879215.8	ug/L	3.813					
Ca	44	-27.09723	42396.21	ug/L	7.968					
Sc	45	163318.84		ug/L						
Ti	47	-0.011457	192.004	ug/L	0.001					
Ti	48	0.214233	-2156.44	ug/L	0.021					
V	51	0.958371	42237.65	ug/L	0.118					
ClO	51	43686.154		ug/L						
Cr	52	0.060338	7436.761	ug/L	0.034					
Cr	53	3.172663	14304.06	ug/L	0.185					
Fe	54	33.595558	67876.48	ug/L	2.518					
Mn	55	-0.085798	2531.711	ug/L	0.006					
Fe	56	26.93446	2961784	ug/L	11.35					
Fe	57	19.61436	13631.58	ug/L	1.392					
Co	59	0.003365	141.336	ug/L	0					
Ni	60	0.520111	1322.776	ug/L	0.018					
Ni	62	0.53451	241.006	ug/L	0.009					
Cu	63	0.201541	1203.758	ug/L	0.002					
Zn	64	2.27056	6747.562	ug/L	0.141					
Cu	65	0.19942	572.024	ug/L	0.018					
Zn	66	2.277372	3974.242	ug/L	0.116					
Zn	68	2.227225	2931.168	ug/L	0.11					
Ge	72	164520.69		ug/L						
As	75	-0.004386	-209.09	ug/L	0.083					
Se	74	53.584435	17509.63	mg/L	4.931					
ArCl	77	837.047		ug/L						

Br	79	1668.17	ug/L						
Br	81	21195.894	ug/L						
Y	89	429286.26	ug/L						
Mo	95	0.102221	544.355	ug/L	0				
Rh	103	426582.05	ug/L						
Ag	107	0.104284	1927.557	ug/L	0.005				
Ag	109	0.107283	1855.875	ug/L	0.002				
Cd	111	0.003578	39.667	ug/L	0.002				
Cd	114	-0.024821	261.006	ug/L	0.002				
In	115	560465.44	ug/L						
Sb	121	0.168837	2650.746	ug/L	0.005				
Sb	123	0.170555	2045.488	ug/L	0.005				
Ba	137	0.032759	234.339	ug/L	0.002				
Ba	138	0.034678	1470.356	ug/L	0				
Tb	159	654152.99	ug/L						
Ho	165	622382.79	ug/L						
Hg	200	0.006717	35.334	ug/L	0				
Hg	202	0.006391	48.001	ug/L	0				
Tl	205	0.002178	447.682	ug/L	0				
Pb	208	0.03741	2178.791	ug/L	0.001				
Bi	209	460136.13	ug/L						
Se	77	0.32993	793.368	mg/L	0.226				
Se	78	-2.452389	14428.08	mg/L	0.443				
Se	82	0.259759	41.802	mg/L	0.141				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.385							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.432
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.483
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.873
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 18:23:25
Autosampl Position: 25
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18732
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9944.102		ug/L						
Be	9	0.013344	19.334	ug/L	0.004					
B	10	2.330666	255.006	ug/L	0.12					
B	11	2.356289	1189.423	ug/L	0.01					
C	12	430139.62		ug/L						
Na	23	9.548474	68041.32	ug/L	1.218					
Mg	24	2.271639	8978.679	ug/L	0.158					
Mg	25	1.931464	1123.516	ug/L	0.192					
Al	27	4.872472	33103.54	ug/L	0.155					
Si	28	92679.425		ug/L						
P	31	0.469606	8404.782	ug/L	4.389					
S	32	72799917		ug/L						
Cl	35	12676564		ug/L						
K	39	2.539994	881934.9	ug/L	1.635					
Ca	44	-28.36539	43722.59	ug/L	3.911					
Sc	45	169698.92		ug/L						
Ti	47	0.067146	259.006	ug/L	0.008					
Ti	48	0.263713	-1854.26	ug/L	0.02					
V	51	1.078122	45145.62	ug/L	0.157					
ClO	51	45686.3		ug/L						
Cr	52	0.06555	7776.905	ug/L	0.017					
Cr	53	3.477183	15193.84	ug/L	0.456					
Fe	54	32.321931	69764.52	ug/L	3.575					
Mn	55	-0.070393	2847.808	ug/L	0.001					
Fe	56	6.937211	2864455	ug/L	0.314					
Fe	57	10.582302	11902.31	ug/L	0.709					
Co	59	0.002074	133.002	ug/L	0					
Ni	60	0.638506	1674.504	ug/L	0.02					
Ni	62	0.603002	276.674	ug/L	0.051					
Cu	63	0.280853	1676.505	ug/L	0.001					
Zn	64	2.64438	8006.192	ug/L	0.073					
Cu	65	0.291496	834.713	ug/L	0.004					
Zn	66	2.720172	4816.657	ug/L	0.072					
Zn	68	2.63648	3506.711	ug/L	0.051					
Ge	72	160002.52		ug/L						
As	75	0.028275	-149.193	ug/L	0.019					
Se	74	17.831241	19258.11	mg/L	106.977					
ArCl	77	891.053		ug/L						

Br	79	1652.833	ug/L				
Br	81	20404.082	ug/L				
Y	89	421358.35	ug/L				
Mo	95	0.090525	481.351	ug/L	0		
Rh	103	421677.56	ug/L				
Ag	107	0.104922	1908.886	ug/L	0.004		
Ag	109	0.113758	1908.553	ug/L	0.002		
Cd	111	0.003137	37.667	ug/L	0.001		
Cd	114	-0.02118	285.007	ug/L	0.001		
In	115	552651.57	ug/L				
Sb	121	0.156517	2480.697	ug/L	0.008		
Sb	123	0.160726	1935.42	ug/L	0		
Ba	137	0.05826	367.011	ug/L	0.005		
Ba	138	0.062917	2410.918	ug/L	0.006		
Tb	159	647169.11	ug/L				
Ho	165	619111.32	ug/L				
Hg	200	0.010663	44.001	ug/L	0.006		
Hg	202	0.010551	60.001	ug/L	0.003		
Tl	205	0.003168	473.684	ug/L	0		
Pb	208	0.087165	4144.077	ug/L	0.004		
Bi	209	460712.2	ug/L				
Se	77	1.192012	901.378	mg/L	0.301		
Se	78	-3.029303	14185.59	mg/L	0.043		
Se	82	0.170009	24.27	mg/L	0.223		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.916							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.866
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.18
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.39
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 18:29:52
Autosampl Position: 26
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18733
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9996.162		ug/L						
Be	9	-0.003531	12.333	ug/L	0.027					
B	10	0.724759	119.002	ug/L	0.184					
B	11	0.877019	571.69	ug/L	0.062					
C	12	404569.16		ug/L						
Na	23	7.152549	47436.25	ug/L	8.546					
Mg	24	0.32979	1556.957	ug/L	0.041					
Mg	25	0.288227	216.691	ug/L	0.142					
Al	27	0.799426	7954.286	ug/L	0.045					
Si	28	61755.223		ug/L						
P	31	2.612438	8081.065	ug/L	1.564					
S	32	74707083		ug/L						
Cl	35	9645148.1		ug/L						
K	39	9.188249	845545.6	ug/L	5.252					
Ca	44	-30.15533	38732.87	ug/L	9.231					
Sc	45	152290.78		ug/L						
Ti	47	-0.045835	155.336	ug/L	0.022					
Ti	48	0.128434	-2611.83	ug/L	0.026					
V	51	0.993865	39683.49	ug/L	0.219					
ClO	51	40522.855		ug/L						
Cr	52	0.088593	7149.412	ug/L	0.063					
Cr	53	3.16311	13318.55	ug/L	0.512					
Fe	54	10.389487	50665.93	ug/L	7.572					
Mn	55	-0.142241	1651.166	ug/L	0.006					
Fe	56	31.478003	2802876	ug/L	18.234					
Fe	57	4.123098	9215.591	ug/L	1.208					
Co	59	-0.004069	60.334	ug/L	0					
Ni	60	0.005203	68.001	ug/L	0.004					
Ni	62	-0.000375	42.001	ug/L	0.029					
Cu	63	0.007247	187.004	ug/L	0.003					
Zn	64	0.431838	1921.155	ug/L	0.066					
Cu	65	0.012957	98.668	ug/L	0.006					
Zn	66	0.421794	1130.082	ug/L	0.049					
Zn	68	0.394774	887.386	ug/L	0.055					
Ge	72	163532.46		ug/L						
As	75	-0.016589	-229.189	ug/L	0.025					
Se	74	74.243926	16066.61	mg/L	5.082					
ArCl	77	738.037		ug/L						

Br		79	1599.49	ug/L					
Br		81	21539.706	ug/L					
Y		89	420164.25	ug/L					
Mo		95	0.001101	116.335	ug/L	0.003			
Rh		103	422644.02	ug/L					
Ag		107	0.001973	589.358	ug/L	0.002			
Ag		109	0.002221	537.355	ug/L	0.003			
Cd		111	-0.001102	23	ug/L	0.001			
Cd		114	-0.035429	171.337	ug/L	0.002			
In		115	535909.26	ug/L					
Sb		121	0.003845	811.045	ug/L	0.01			
Sb		123	0.003764	614.719	ug/L	0.003			
Ba		137	-0.000227	53.334	ug/L	0.001			
Ba		138	0.001194	299.744	ug/L	0.001			
Tb		159	642033.06	ug/L					
Ho		165	621218.07	ug/L					
Hg		200	0.00142	23.334	ug/L	0.001			
Hg		202	-0.000019	29	ug/L	0.001			
Tl		205	-0.004375	258.34	ug/L	0.001			
Pb		208	-0.001173	637.015	ug/L	0			
Bi		209	438855.08	ug/L					
Se		77	-0.2235	724.029	mg/L	0.436			
Se		78	-1.985126	14624.47	mg/L	0.969			
Se		82	0.22403	34.823	mg/L	0.056			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	84.282							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.871
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.387
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.701
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Monday August 29 2011 18:36:18
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.18734
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10057.56		ug/L						
Be	9	-0.011963	10.333	ug/L	0.007					
B	10	-0.167181	63.668	ug/L	0.06					
B	11	-0.006414	300.675	ug/L	0.026					
C	12	349222.12		ug/L						
Na	23	0.505051	15170.84	ug/L	0.1					
Mg	24	0.135939	983.485	ug/L	0.006					
Mg	25	0.07808	123.347	ug/L	0.082					
Al	27	-0.01988	3884.552	ug/L	0.01					
Si	28	54994.702		ug/L						
P	31	-4.838433	6673.127	ug/L	2.35					
S	32	71080872		ug/L						
Cl	35	8332477.8		ug/L						
K	39	-0.195637	836031.2	ug/L	1.436					
Ca	44	-46.09324	37798.86	ug/L	1.43					
Sc	45	165583.72		ug/L						
Ti	47	-0.085561	140.002	ug/L	0.021					
Ti	48	0.1358	-2788.79	ug/L	0.001					
V	51	0.314225	36263.89	ug/L	0.046					
ClO	51	37067.471		ug/L						
Cr	52	-0.004216	6989.913	ug/L	0.003					
Cr	53	0.950985	12136.89	ug/L	0.073					
Fe	54	1.462991	49951.73	ug/L	10.238					
Mn	55	-0.149366	1699.845	ug/L	0.02					
Fe	56	-1.231592	2709177	ug/L	0.03					
Fe	57	-0.958484	8781.784	ug/L	0.145					
Co	59	-0.00556	50.001	ug/L	0					
Ni	60	0.007011	78.668	ug/L	0.002					
Ni	62	-0.010342	41.667	ug/L	0.002					
Cu	63	0.026707	305.675	ug/L	0.003					
Zn	64	0.061027	1134.638	ug/L	0.011					
Cu	65	0.029631	150.003	ug/L	0.002					
Zn	66	0.059301	683.366	ug/L	0.006					
Zn	68	0.00002	534.021	ug/L	0.016					
Ge	72	164594.31		ug/L						
As	75	0.040793	-130.435	ug/L	0.072					
Se	74	95.753492	14730.62	mg/L	51.04					
ArCl	77	669.031		ug/L						

Br		79	2162.946	ug/L						
Br		81	20651.975	ug/L						
Y		89	419199.85	ug/L						
Mo		95	-0.006907	83.335	ug/L	0.001				
Rh		103	425647.59	ug/L						
Ag		107	-0.011799	438.682	ug/L	0.01				
Ag		109	-0.008589	428.015	ug/L	0.008				
Cd		111	-0.001518	22.667	ug/L	0				
Cd		114	-0.041754	130.336	ug/L	0				
In		115	560379.22	ug/L						
Sb		121	-0.013239	661.364	ug/L	0.002				
Sb		123	-0.015095	483.915	ug/L	0.003				
Ba		137	-0.002773	42.001	ug/L	0				
Ba		138	-0.001521	219.562	ug/L	0				
Tb		159	649946.62	ug/L						
Ho		165	627549.68	ug/L						
Hg		200	-0.002369	15	ug/L	0				
Hg		202	-0.002797	21	ug/L	0				
Tl		205	-0.004513	257.006	ug/L	0.001				
Pb		208	0.003173	818.356	ug/L	0.001				
Bi		209	482871.39	ug/L						
Se		77	-0.63857	672.025	mg/L	0.301				
Se		78	-3.449652	14008.91	mg/L	0.146				
Se		82	0.116574	13.832	mg/L	0.201				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	91.638								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.474
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.469
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.636
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Monday August 29 2011 18:43:13
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.18735
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9874.693		ug/L						
Be	9	98.879169	34308.65	ug/L	6.71					
B	10	94.331455	7278.653	ug/L	5.919					
B	11	91.334245	34559.59	ug/L	5.598					
C	12	393658.2		ug/L						
Na	23	98.917667	590862.1	ug/L	5.472					
Mg	24	108.94308	409183	ug/L	3.712					
Mg	25	101.97682	55182.49	ug/L	5.608					
Al	27	99.515284	599516.9	ug/L	5.722					
Si	28	203785.76		ug/L						
P	31	-4.022967	7126.842	ug/L	0.194					
S	32	72407456		ug/L						
Cl	35	8165829.3		ug/L						
K	39	1056.64	10681864	ug/L	31.438					
Ca	44	54.4224	67486.38	ug/L	3.881					
Sc	45	170830.23		ug/L						
Ti	47	92.029254	70136.62	ug/L	6.146					
Ti	48	93.670404	733992.7	ug/L	4.853					
V	51	90.137434	983703.4	ug/L	2.439					
ClO	51	996883.05		ug/L						
Cr	52	91.886775	821730.9	ug/L	3.597					
Cr	53	87.549833	107701	ug/L	3.943					
Fe	54	105.88963	114726.4	ug/L	9.626					
Mn	55	91.816797	1296251	ug/L	3.189					
Fe	56	87.478827	3753057	ug/L	12.988					
Fe	57	99.103778	34348.2	ug/L	4.791					
Co	59	91.945178	991037.7	ug/L	3.282					
Ni	60	85.03	215883.8	ug/L	2.767					
Ni	62	83.952619	32230.02	ug/L	3.226					
Cu	63	91.655692	494609.3	ug/L	3.965					
Zn	64	85.403075	228595.4	ug/L	3.882					
Cu	65	91.69524	239866.3	ug/L	3.767					
Zn	66	86.01646	134491.5	ug/L	3.352					
Zn	68	85.116334	96666.18	ug/L	3.527					
Ge	72	162555.13		ug/L						
As	75	103.58831	175878.5	ug/L	0.104					
Se	74	24.516998	19171.63	mg/L	33.901					
ArCl	77	12983.394		ug/L						

Br	79	2178.283	ug/L			
Br	81	20623.239	ug/L			
Y	89	418855	ug/L			
Mo	95	94.482447	394587	ug/L	3.539	
Rh	103	420122.05	ug/L			
Ag	107	46.551456	583297.3	ug/L	0.691	
Ag	109	46.208223	556411.6	ug/L	0.495	
Cd	111	99.461633	323914.6	ug/L	0.058	
Cd	114	99.108172	747348.9	ug/L	1.086	
In	115	547523.6	ug/L			
Sb	121	90.789009	969779.8	ug/L	6.015	
Sb	123	91.041357	748384.6	ug/L	5.787	
Ba	137	99.07681	523943.6	ug/L	1.984	
Ba	138	97.692461	3297862	ug/L	0.433	
Tb	159	645942.92	ug/L			
Ho	165	612236.25	ug/L			
Hg	200	1.042566	2328.322	ug/L	0.053	
Hg	202	1.043782	3065.881	ug/L	0.007	
Tl	205	106.13681	3006944	ug/L	0.22	
Pb	208	102.2607	4017569	ug/L	0.426	
Bi	209	492449.86	ug/L			
Se	77	99.302116	13193.57	mg/L	1.567	
Se	78	95.061587	55414.73	mg/L	0.138	
Se	82	90.712858	17710.91	mg/L	0.521	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	97.9							
|	B	94.049							
|	B	91.061							
|	C								
|	Na	97.648							
|	Mg	107.864							
|	Mg	100.967							
|	Al	99.119							
|	Si								
|	P								
|	S								
|	Cl								
|	K	105.348							
|	Ca	53.937							
|>	Sc	94.542							
|	Ti	92.029							
|	Ti	93.67							
|	V	89.778							
|	ClO								
|	Cr	90.977							

	Cr	86.683
	Fe	105.258
	Mn	91.451
	Fe	86.957
	Fe	98.513
	Co	91.397
	Ni	84.355
	Ni	83.286
	Cu	91.747
	Zn	84.809
	Cu	91.787
	Zn	85.419
|-	Zn	84.525
|>	Ge	92.316
	As	104.214
	Se	24.468
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	94.2
|-	Rh	
	Ag	46.182
	Ag	45.841
	Cd	98.967
	Cd	98.615
|>	In	91.324
	Sb	90.517
	Sb	90.769
	Ba	98.388
|-	Ba	97.013
|-	Tb	
|>	Ho	90.376
	Hg	104.257
	Hg	104.378
	Tl	106.137
	Pb	102.261
|-	Bi	
	Se	99.104
	Se	94.872
	Se	90.532

Sample ID: QC Std 5
Sample Date/Time Monday August 29 2011 18:50:07
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.18736
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9714.524		ug/L						
Be	9	44.84871	14974.47	ug/L	0.655					
B	10	161.67118	11940.29	ug/L	4.882					
B	11	154.97596	56188.03	ug/L	0.902					
C	12	397462.67		ug/L						
Na	23	7.688285	55763.27	ug/L	5.02					
Mg	24	0.302943	1576.961	ug/L	0.003					
Mg	25	0.182269	176.686	ug/L	0.037					
Al	27	184.73598	1066907	ug/L	0.46					
Si	28	101982.39		ug/L						
P	31	0.526535	8111.14	ug/L	5.296					
S	32	69663471		ug/L						
Cl	35	7770404.6		ug/L						
K	39	2.071757	848416.9	ug/L	3.18					
Ca	44	-39.5795	39211.65	ug/L	6.535					
Sc	45	164092.15		ug/L						
Ti	47	0.297954	418.347	ug/L	0.081					
Ti	48	0.481181	-153.796	ug/L	0.07					
V	51	23.806235	273724.5	ug/L	0.619					
ClO	51	277739.61		ug/L						
Cr	52	47.247592	409424.2	ug/L	1.503					
Cr	53	45.57374	59167.85	ug/L	1.176					
Fe	54	192.57591	160706.1	ug/L	12.981					
Mn	55	102.3453	1388193	ug/L	1.863					
Fe	56	183.39585	4605123	ug/L	7.362					
Fe	57	187.04297	54360.82	ug/L	8.989					
Co	59	22.638071	234548.9	ug/L	0.722					
Ni	60	177.16886	432183.1	ug/L	4.181					
Ni	62	177.70713	65514.54	ug/L	4.622					
Cu	63	74.11425	384435.6	ug/L	1.956					
Zn	64	92.582778	238104.7	ug/L	2.629					
Cu	65	74.133379	186382.1	ug/L	2.344					
Zn	66	92.978082	139672.8	ug/L	2.051					
Zn	68	95.144469	103791.5	ug/L	2.298					
Ge	72	155204.56		ug/L						
As	75	44.840527	72564.06	ug/L	1.181					
Se	74	27.218884	18107.76	mg/L	57.463					
ArCl	77	20644.287		ug/L						

Br	79	2162.947	ug/L			
Br	81	20028.244	ug/L			
Y	89	405658.81	ug/L			
Mo	95	42.650008	170009.8	ug/L	2.701	
Rh	103	402112.88	ug/L			
Ag	107	51.271689	619795.9	ug/L	2.979	
Ag	109	55.757643	647842.3	ug/L	2.241	
Cd	111	23.359296	73442.53	ug/L	0.742	
Cd	114	23.582133	171954.1	ug/L	0.811	
In	115	528678.39	ug/L			
Sb	121	50.74765	523604.8	ug/L	1.688	
Sb	123	51.23093	406799.3	ug/L	1.482	
Ba	137	144.39571	736976.1	ug/L	3.854	
Ba	138	141.67094	4616418	ug/L	3.038	
Tb	159	617732.83	ug/L			
Ho	165	600631.02	ug/L			
Hg	200	1.126068	2465.692	ug/L	0.004	
Hg	202	1.12161	3229.606	ug/L	0.01	
Tl	205	14.638597	407087.4	ug/L	0.286	
Pb	208	107.22153	4131612	ug/L	2.111	
Bi	209	465388.74	ug/L			
Se	77	157.66444	20505.77	mg/L	1.448	
Se	78	144.52398	76204.55	mg/L	1.403	
Se	82	145.3285	28379.53	mg/L	0.995	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	105.279							
|	B	101.044							
|	B	96.86							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	104.964							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.813							
|	Ti								
|	Ti								
|	V	95.607							
|	ClO								
|	Cr	96.032							

	Cr	92.63
	Fe	107.584
	Mn	96.552
	Fe	102.456
	Fe	104.493
	Co	97.159
	Ni	86.847
	Ni	87.111
	Cu	94.775
	Zn	88.174
	Cu	94.8
	Zn	88.551
-	Zn	90.614
>	Ge	88.142
	As	113.808
	Se	17.012
	ArCl	
	Br	
	Br	
	Y	
-	Mo	101.79
-	Rh	
	Ag	101.932
	Ag	110.85
	Cd	100.687
	Cd	101.647
>	In	88.181
	Sb	109.135
	Sb	110.174
	Ba	102.408
-	Ba	100.476
-	Tb	
>	Ho	88.662
	Hg	112.607
	Hg	112.161
	Tl	103.089
	Pb	103.098
-	Bi	
	Se	98.54
	Se	90.327
	Se	90.83

Sample ID: QC Std 6
Sample Date/Time Monday August 29 2011 18:57:02
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18737
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9567.699		ug/L						
Be	9	-0.004005	14.667	ug/L	0.003					
B	10	0.20263	102.668	ug/L	0.251					
B	11	0.506217	549.355	ug/L	0.113					
C	12	398500.79		ug/L						
Na	23	9528.9651	60957221	ug/L	117.73					
Mg	24	9666.4102	39660809	ug/L	0.832					
Mg	25	9378.7249	5544725	ug/L	85.952					
Al	27	9693.3166	63465074	ug/L	160.435					
Si	28	56893.147		ug/L						
P	31	9831.5071	3169311	ug/L	15.64					
S	32	69498054		ug/L						
Cl	35	7063923.5		ug/L						
K	39	9264.7705	95087510	ug/L	238.673					
Ca	44	9055.7394	2864403	ug/L	32.145					
Sc	45	186704.4		ug/L						
Ti	47	19.754598	16657.09	ug/L	0.693					
Ti	48	7.973521	64413.35	ug/L	0.119					
V	51	-0.683614	29393.07	ug/L	0.032					
ClO	51	30175.634		ug/L						
Cr	52	-0.057954	7360.373	ug/L	0.015					
Cr	53	-2.261939	9821.735	ug/L	0.094					
Fe	54	9321.0049	6231059	ug/L	74.685					
Mn	55	-0.114215	2458.027	ug/L	0.022					
Fe	56	9546.0671	1.16E+08	ug/L	14.421					
Fe	57	10016.034	2779511	ug/L	38.828					
Co	59	0.022914	392.012	ug/L	0.002					
Ni	60	0.200593	626.028	ug/L	0.015					
Ni	62	0.043772	69.668	ug/L	0.015					
Cu	63	0.19161	1317.775	ug/L	0.001					
Zn	64	0.493726	2540.947	ug/L	0.02					
Cu	65	0.119201	425.348	ug/L	0.008					
Zn	66	0.423983	1391.454	ug/L	0.023					
Zn	68	0.300601	973.395	ug/L	0.001					
Ge	72	159511.36		ug/L						
As	75	0.050367	-111.27	ug/L	0.04					
Se	74	100.66296	14002.99	mg/L	9.821					
ArCl	77	645.029		ug/L						

Br	79	2341.659	ug/L			
Br	81	20342.605	ug/L			
Y	89	415446.01	ug/L			
Mo	95	0.254232	1148.42	ug/L	0.079	
Rh	103	396899.16	ug/L			
Ag	107	0.229408	3365.349	ug/L	0.076	
Ag	109	0.231469	3225.287	ug/L	0.062	
Cd	111	0.00944	56.334	ug/L	0.001	
Cd	114	-0.016187	311.342	ug/L	0.004	
In	115	533008.96	ug/L			
Sb	121	0.752489	8595.525	ug/L	0.109	
Sb	123	0.77005	6745.757	ug/L	0.094	
Ba	137	0.045716	289.674	ug/L	0.003	
Ba	138	0.043877	1701.089	ug/L	0.002	
Tb	159	629982.76	ug/L			
Ho	165	609167.54	ug/L			
Hg	200	0.01325	49.001	ug/L	0.003	
Hg	202	0.012056	63.334	ug/L	0.003	
Tl	205	0.001326	414.014	ug/L	0.001	
Pb	208	0.030151	1849.092	ug/L	0.001	
Bi	209	450444.73	ug/L			
Se	77	-0.915282	637.356	mg/L	0.271	
Se	78	-4.321305	13642.54	mg/L	0.729	
Se	82	0.433393	75.72	mg/L	0.088	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	95.29							
|	Mg	96.664							
|	Mg	93.787							
|	Al	96.933							
|	Si								
|	P	98.315							
|	S								
|	Cl								
|	K	92.648							
|	Ca	90.557							
|>	Sc	103.327							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	93.21
|	Mn	
|	Fe	95.461
|	Fe	100.16
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	90.588
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	88.903
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	89.923
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 19:03:57
Autosampl Position: 27
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18738
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10085.592		ug/L						
Be	9	0.004955	15.333	ug/L	0.012					
B	10	0.729369	124.669	ug/L	0.063					
B	11	0.913091	608.693	ug/L	0.118					
C	12	396216.47		ug/L						
Na	23	1.220943	18433.85	ug/L	0.029					
Mg	24	0.47003	2110.461	ug/L	0.11					
Mg	25	0.498757	330.039	ug/L	0.094					
Al	27	0.723682	7867.55	ug/L	0.16					
Si	28	59872.497		ug/L						
P	31	-4.381667	6522.993	ug/L	0.405					
S	32	70149993		ug/L						
Cl	35	9415484.3		ug/L						
K	39	2.016815	820335.9	ug/L	2.549					
Ca	44	-41.25375	37504.28	ug/L	1.529					
Sc	45	158714.94		ug/L						
Ti	47	-0.04247	164.67	ug/L	0.003					
Ti	48	0.198821	-2210.99	ug/L	0.007					
V	51	0.28665	34491.68	ug/L	0.045					
ClO	51	35207.411		ug/L						
Cr	52	0.000018	6733.364	ug/L	0.028					
Cr	53	0.732447	11409.94	ug/L	0.004					
Fe	54	8.730916	51955.95	ug/L	7.249					
Mn	55	-0.17245	1327.11	ug/L	0.007					
Fe	56	5.251108	2661329	ug/L	10.614					
Fe	57	5.938895	10033.22	ug/L	3.504					
Co	59	-0.00359	67.668	ug/L	0					
Ni	60	0.005844	72.668	ug/L	0.002					
Ni	62	0.002985	44.667	ug/L	0.01					
Cu	63	0.007926	198.671	ug/L	0.002					
Zn	64	0.357887	1823.302	ug/L	0.001					
Cu	65	0.013644	105.002	ug/L	0.005					
Zn	66	0.370079	1104.412	ug/L	0.041					
Zn	68	0.342723	871.384	ug/L	0.045					
Ge	72	162128.05		ug/L						
As	75	-0.027246	-244.085	ug/L	0.048					
Se	74	13.742775	19796.23	mg/L	25.994					
ArCl	77	716.035		ug/L						

Br	79	1447.13	ug/L						
Br	81	18714.78	ug/L						
Y	89	409097.21	ug/L						
Mo	95	0.068825	397.346	ug/L	0.001				
Rh	103	413081.9	ug/L						
Ag	107	0.076686	1503.806	ug/L	0.006				
Ag	109	0.075572	1400.122	ug/L	0.005				
Cd	111	-0.001424	22	ug/L	0.001				
Cd	114	-0.034629	177.003	ug/L	0				
In	115	535227.47	ug/L						
Sb	121	0.278496	3677.115	ug/L	0.012				
Sb	123	0.274286	2787.772	ug/L	0.016				
Ba	137	0.000766	58.334	ug/L	0.001				
Ba	138	0.003009	358.554	ug/L	0.002				
Tb	159	632396.71	ug/L						
Ho	165	605731.98	ug/L						
Hg	200	0.006837	34.667	ug/L	0.001				
Hg	202	0.000579	30	ug/L	0.001				
Tl	205	-0.00245	306.008	ug/L	0				
Pb	208	0.001433	722.685	ug/L	0.001				
Bi	209	443048.99	ug/L						
Se	77	-0.723712	661.357	mg/L	0.03				
Se	78	-3.921007	13810.79	mg/L	0.176				
Se	82	0.189367	28.052	mg/L	0.026				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	87.837							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.074
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.273
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.415
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: Soil BLK
Sample Date/Time Monday August 29 2011 19:10:22
Autosampl Position: 28
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata BLK.18739
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10172.358		ug/L						
Be	9	0.014727	18.334	ug/L	0.008					
B	10	-0.108634	64.668	ug/L	0.066					
B	11	0.160663	343.343	ug/L	0.065					
C	12	374143.86		ug/L						
Na	23	26.644523	155273.7	ug/L	0.865					
Mg	24	1.066054	4151.363	ug/L	0.023					
Mg	25	1.066021	610.082	ug/L	0.142					
Al	27	0.777056	8087.738	ug/L	0.017					
Si	28	55363.591		ug/L						
P	31	-5.06929	6272.808	ug/L	3.309					
S	32	65388564		ug/L						
Cl	35	19147768		ug/L						
K	39	2.682338	818993.2	ug/L	1.988					
Ca	44	8.295461	50122.8	ug/L	3.866					
Sc	45	157350.23		ug/L						
Ti	47	-0.023413	176.67	ug/L	0.008					
Ti	48	0.207371	-2128.93	ug/L	0.022					
V	51	2.217408	52948.73	ug/L	0.131					
ClO	51	54035.4		ug/L						
Cr	52	0.045624	7047.379	ug/L	0.035					
Cr	53	7.263226	17935.89	ug/L	0.764					
Fe	54	7.879736	51063.5	ug/L	0.559					
Mn	55	-0.188837	1103.411	ug/L	0.002					
Fe	56	-67.52638	1913070	ug/L	1.912					
Fe	57	1.99575	9035.395	ug/L	0.987					
Co	59	-0.004194	61.001	ug/L	0.001					
Ni	60	0.012674	88.001	ug/L	0					
Ni	62	0.020092	50.334	ug/L	0.006					
Cu	63	0.030579	309.675	ug/L	0.001					
Zn	64	1.344206	4231.254	ug/L	0.012					
Cu	65	0.036601	159.336	ug/L	0.001					
Zn	66	1.334665	2479.029	ug/L	0.025					
Zn	68	1.374191	1937.559	ug/L	0.055					
Ge	72	156023.81		ug/L						
As	75	-0.088895	-337.916	ug/L	0.081					
Se	74	32.77911	17842.77	mg/L	74.837					
ArCl	77	1238.43		ug/L						

Br		79	2924.833	ug/L						
Br		81	19538.175	ug/L						
Y		89	414602.15	ug/L						
Mo		95	0.043625	281.341	ug/L	0.002				
Rh		103	405965.12	ug/L						
Ag		107	0.065256	1328.444	ug/L	0				
Ag		109	0.062709	1216.427	ug/L	0.001				
Cd		111	0.000168	26.334	ug/L	0				
Cd		114	-0.031538	194.671	ug/L	0.002				
In		115	521627.89	ug/L						
Sb		121	0.183845	2619.737	ug/L	0.009				
Sb		123	0.183903	2008.14	ug/L	0.008				
Ba		137	0.007265	89.668	ug/L	0.001				
Ba		138	0.00972	565.853	ug/L	0.001				
Tb		159	622789	ug/L						
Ho		165	594040.09	ug/L						
Hg		200	-0.000131	19	ug/L	0.002				
Hg		202	0.000794	30	ug/L	0.001				
Tl		205	-0.002306	304.008	ug/L	0.001				
Pb		208	0.00893	994.365	ug/L	0.001				
Bi		209	456721.04	ug/L						
Se		77	3.671886	1212.081	mg/L	0.286				
Se		78	-5.097333	13316.36	mg/L	1.243				
Se		82	0.139399	18.291	mg/L	0.054				
QC	Calculated Values									
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	87.082								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.607
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.005
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.69
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	Soil	LCS							
Sample	Date/Time	Monday	August	29	2011	19:16:48				
Autosampl	Position:	29								
Sample	Descriptior	1:25								
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata	LCS.18740							
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10058.895	ug/L							
Be	9	38.283955	12122.53	ug/L	1.833					
B	10	-0.011082	70.668	ug/L	0.064					
B	11	0.079254	312.008	ug/L	0.009					
C	12	399278.96	ug/L							
Na	23	431.31647	2310508	ug/L	15.916					
Mg	24	428.15565	1464592	ug/L	13.475					
Mg	25	425.79527	209774.1	ug/L	25.76					
Al	27	427.71497	2336754	ug/L	22.502					
Si	28	56601.359	ug/L							
P	31	389.89235	112047.5	ug/L	8.444					
S	32	67701166	ug/L							
Cl	35	19194442	ug/L							
K	39	431.46722	4441180	ug/L	18.171					
Ca	44	394.41155	149365.3	ug/L	14.437					
Sc	45	155701.58	ug/L							
Ti	47	0.788478	736.704	ug/L	0.091					
Ti	48	0.491438	-71.635	ug/L	0.044					
V	51	36.097567	377648.4	ug/L	1.393					
ClO	51	386904.15	ug/L							
Cr	52	33.818084	279813.6	ug/L	1.616					
Cr	53	40.68362	51218.05	ug/L	1.941					
Fe	54	437.9148	287878	ug/L	25.747					
Mn	55	34.09046	440840.6	ug/L	1.52					
Fe	56	425.23006	6750954	ug/L	41.763					
Fe	57	431.32955	107833.2	ug/L	24.037					
Co	59	33.608012	330283.7	ug/L	1.113					
Ni	60	31.005783	71801.5	ug/L	0.824					
Ni	62	30.64679	10754.13	ug/L	0.854					
Cu	63	33.646987	165648.9	ug/L	1.065					
Zn	64	33.110971	81343.2	ug/L	1.711					
Cu	65	33.629373	80240.03	ug/L	1.283					
Zn	66	33.385194	47920.11	ug/L	1.466					
Zn	68	32.768792	34231	ug/L	1.455					
Ge	72	157122.19	ug/L							
As	75	34.887672	57125.32	ug/L	0.423					
Se	74	14.058723	19190.58	mg/L	32.842					
ArCl	77	5322.944	ug/L							

Br		79	4646.235	ug/L						
Br		81	21228.639	ug/L						
Y		89	407877.28	ug/L						
Mo		95	34.587833	139679.3	ug/L	0.21				
Rh		103	409965.62	ug/L						
Ag		107	36.282499	436353.4	ug/L	0.15				
Ag		109	36.160245	417910.1	ug/L	0.349				
Cd		111	34.140562	106699.6	ug/L	0.416				
Cd		114	34.027158	246487.2	ug/L	0.611				
In		115	525349.28	ug/L						
Sb		121	37.769053	387612.7	ug/L	0.138				
Sb		123	38.313839	302580.8	ug/L	0.285				
Ba		137	34.354505	174341.6	ug/L	0.29				
Ba		138	34.52536	1118475	ug/L	0.239				
Tb		159	623656.76	ug/L						
Ho		165	598962.96	ug/L						
Hg		200	0.388268	860.383	ug/L	0.015				
Hg		202	0.379564	1108.412	ug/L	0.01				
Tl		205	33.831862	937906.8	ug/L	0.435				
Pb		208	34.171352	1313787	ug/L	0.342				
Bi		209	452412.44	ug/L						
Se		77	36.162871	5282.868	mg/L	0.527				
Se		78	27.829738	27156.13	mg/L	0.603				
Se		82	30.616338	5971.656	mg/L	0.14				
QC	Calculated Values									
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	86.169								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.231
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.626
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.416
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: Soil QC
Sample Date/Time Monday August 29 2011 19:23:13
Autosampl Position: 30
Sample Descriptior 1:50
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata QC.18741
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10085.594		ug/L						
Be	9	16.135074	6179.161	ug/L	0.551					
B	10	33.766569	2924.833	ug/L	0.591					
B	11	32.510207	13767.22	ug/L	1.002					
C	12	442174.86		ug/L						
Na	23	221.73295	1440961	ug/L	5.875					
Mg	24	1005.7582	4152671	ug/L	32.135					
Mg	25	951.34174	565984.8	ug/L	35.833					
Al	27	3297.4506	21726144	ug/L	114.483					
Si	28	190058.74		ug/L						
P	31	171.1306	64484.36	ug/L	7.143					
S	32	67480609		ug/L						
Cl	35	10718966		ug/L						
K	39	1114.9095	12351685	ug/L	15.021					
Ca	44	2024.8103	688921.7	ug/L	62.354					
Sc	45	187915.95		ug/L						
Ti	47	143.37097	120244.4	ug/L	1.059					
Ti	48	144.02754	1245029	ug/L	2.071					
V	51	25.384745	331792.6	ug/L	0.639					
ClO	51	339434.71		ug/L						
Cr	52	16.668087	170586.5	ug/L	0.536					
Cr	53	17.513354	33811.43	ug/L	0.55					
Fe	54	4924.7038	3339591	ug/L	38.418					
Mn	55	91.92001	1428225	ug/L	2.412					
Fe	56	4800.5718	60288940	ug/L	94.158					
Fe	57	4791.9497	1343583	ug/L	74.092					
Co	59	17.205008	204207.1	ug/L	0.398					
Ni	60	18.165379	50809.11	ug/L	0.574					
Ni	62	18.937741	8042.97	ug/L	0.297					
Cu	63	12.85541	76535.59	ug/L	0.157					
Zn	64	70.631211	208324	ug/L	1.334					
Cu	65	12.919487	37278.99	ug/L	0.123					
Zn	66	70.784337	121947	ug/L	1.21					
Zn	68	70.689999	88488.83	ug/L	0.351					
Ge	72	160260.25		ug/L						
As	75	24.887791	41509.64	ug/L	0.271					
Se	74	89.763965	14755.73	mg/L	24.184					
ArCl	77	6037.064		ug/L						

Br		79	3662.775	ug/L					
Br		81	20753.202	ug/L					
Y		89	486839.77	ug/L					
Mo		95	12.985725	53556.85	ug/L	0.253			
Rh		103	408425.25	ug/L					
Ag		107	11.330754	140308.3	ug/L	0.013			
Ag		109	11.30958	134546.7	ug/L	0.118			
Cd		111	56.659823	181743.2	ug/L	2.071			
Cd		114	58.037799	431292.2	ug/L	1.045			
In		115	539413.63	ug/L					
Sb		121	52.244483	550099.1	ug/L	1.41			
Sb		123	51.804411	419800.5	ug/L	0.978			
Ba		137	76.583803	398881.6	ug/L	2.294			
Ba		138	76.985251	2560043	ug/L	1.343			
Tb		159	647645.3	ug/L					
Ho		165	621499.84	ug/L					
Hg		200	0.720083	1639.164	ug/L	0.019			
Hg		202	0.733142	2193.62	ug/L	0.034			
Tl		205	63.383658	1822689	ug/L	1.149			
Pb		208	24.136829	962961.5	ug/L	0.442			
Bi		209	458346.36	ug/L					
Se		77	40.96539	5884.574	mg/L	2.952			
Se		78	34.932466	30141.52	mg/L	0.692			
Se		82	38.453141	7502.497	mg/L	0.721			

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.997							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	91.013
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.972
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.743
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	Soil	Ag	LCS						
Sample	Date/Time	Monday	August	29	2011	19:29:38				
Autosampl	Position:	31								
Sample	Descriptior	1:10								
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata	Ag	LCS.18742						
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10199.059		ug/L						
Be	9	0.003808	14.333	ug/L	0.011					
B	10	0.120291	78.001	ug/L	0.015					
B	11	0.275732	370.345	ug/L	0.015					
C	12	390203.26		ug/L						
Na	23	9.123535	58808.85	ug/L	0.099					
Mg	24	0.96586	3674.443	ug/L	0.035					
Mg	25	0.875861	496.73	ug/L	0.18					
Al	27	1.362315	10934.33	ug/L	0.015					
Si	28	61402.843		ug/L						
P	31	-2.228254	6806.567	ug/L	2.171					
S	32	68878549		ug/L						
Cl	35	21252280		ug/L						
K	39	7.763747	833282.8	ug/L	1.736					
Ca	44	-0.519513	46205.08	ug/L	0.044					
Sc	45	152012.5		ug/L						
Ti	47	0.310574	396.679	ug/L	0.022					
Ti	48	0.528056	189.692	ug/L	0.062					
V	51	3.25464	60887.08	ug/L	0.236					
ClO	51	62954.836		ug/L						
Cr	52	0.082759	7103.3	ug/L	0.007					
Cr	53	10.523599	20518.36	ug/L	0.757					
Fe	54	21.836355	56852.19	ug/L	1.545					
Mn	55	-0.141101	1664.502	ug/L	0.001					
Fe	56	-55.44593	1964383	ug/L	1.622					
Fe	57	11.282359	10814.18	ug/L	2.325					
Co	59	-0.001692	83.001	ug/L	0					
Ni	60	0.088273	256.006	ug/L	0.008					
Ni	62	0.084864	70.668	ug/L	0.039					
Cu	63	0.133499	793.709	ug/L	0					
Zn	64	2.053151	5769.187	ug/L	0.067					
Cu	65	0.142865	401.346	ug/L	0.006					
Zn	66	2.11784	3480.368	ug/L	0.047					
Zn	68	2.075666	2577.725	ug/L	0.005					
Ge	72	154288.99		ug/L						
As	75	-0.10456	-358.375	ug/L	0.047					
Se	74	39.038366	17310	mg/L	4.662					
ArCl	77	1323.443		ug/L						

Br	79	2981.853	ug/L				
Br	81	19551.866	ug/L				
Y	89	399282.9	ug/L				
Mo	95	0.113022	553.022	ug/L	0.014		
Rh	103	396129.57	ug/L				
Ag	107	8.904694	106191	ug/L	0.019		
Ag	109	8.970181	102768.3	ug/L	0.029		
Cd	111	0.001511	30.334	ug/L	0.001		
Cd	114	0.025068	598.026	ug/L	0.003		
In	115	518901.13	ug/L				
Sb	121	0.172699	2493.367	ug/L	0.002		
Sb	123	0.185953	2013.638	ug/L	0.001		
Ba	137	0.084509	476.351	ug/L	0.006		
Ba	138	0.086426	3016.548	ug/L	0.003		
Tb	159	614826.6	ug/L				
Ho	165	587584.29	ug/L				
Hg	200	0.003729	27	ug/L	0		
Hg	202	0.001376	31.334	ug/L	0.001		
Tl	205	0.040474	1464.466	ug/L	0.004		
Pb	208	0.049884	2526.829	ug/L	0.002		
Bi	209	445635.92	ug/L				
Se	77	4.544652	1321.429	mg/L	0.075		
Se	78	-5.733188	13049.1	mg/L	0.932		
Se	82	0.207391	31.572	mg/L	0.204		

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	84.128							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.622
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.55
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.737
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 19:36:03
Autosampl Position: 32
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18743
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9280.735		ug/L						
Be	9	0.014624	17.667	ug/L	0.005					
B	10	0.511383	104.335	ug/L	0.369					
B	11	0.488525	440.682	ug/L	0.055					
C	12	396020.98		ug/L						
Na	23	4.824061	36362.88	ug/L	0.064					
Mg	24	3.682809	12730.18	ug/L	0.17					
Mg	25	3.663807	1837.036	ug/L	0.169					
Al	27	8.643616	49673.63	ug/L	0.05					
Si	28	69461.315		ug/L						
P	31	-0.99724	7120.169	ug/L	1.692					
S	32	70905724		ug/L						
Cl	35	9006955.3		ug/L						
K	39	12.668899	872641.7	ug/L	1.574					
Ca	44	-0.58664	46117.95	ug/L	3.192					
Sc	45	151794.18		ug/L						
Ti	47	0.095963	251.006	ug/L	0.029					
Ti	48	0.264188	-1656.22	ug/L	0.018					
V	51	1.29087	42389.02	ug/L	0.042					
ClO	51	43803.381		ug/L						
Cr	52	0.035811	6722.916	ug/L	0.012					
Cr	53	3.846238	13956.18	ug/L	0.032					
Fe	54	17.678544	54534.64	ug/L	0.684					
Mn	55	-0.030358	3048.542	ug/L	0.004					
Fe	56	22.314517	2710145	ug/L	1.755					
Fe	57	19.057745	12553.27	ug/L	2.964					
Co	59	-0.000779	91.668	ug/L	0					
Ni	60	0.097326	276.007	ug/L	0.006					
Ni	62	0.090832	72.668	ug/L	0.013					
Cu	63	0.090024	584.025	ug/L	0.002					
Zn	64	3.458582	9093.233	ug/L	0.006					
Cu	65	0.088742	275.007	ug/L	0.001					
Zn	66	3.524301	5422.337	ug/L	0.034					
Zn	68	3.365173	3869.195	ug/L	0.021					
Ge	72	149867.98		ug/L						
As	75	0.026267	-141.87	ug/L	0.088					
Se	74	25.735405	17591.52	mg/L	39.843					
ArCl	77	683.699		ug/L						

Br		79	1658.501	ug/L						
Br		81	18281.548	ug/L						
Y		89	390893.68	ug/L						
Mo		95	0.053473	308.008	ug/L	0.01				
Rh		103	396718.51	ug/L						
Ag		107	0.084973	1526.144	ug/L	0.013				
Ag		109	0.08306	1414.459	ug/L	0.019				
Cd		111	0.005217	41.001	ug/L	0.001				
Cd		114	-0.020708	266.34	ug/L	0.005				
In		115	509500.25	ug/L						
Sb		121	0.086285	1589.822	ug/L	0.002				
Sb		123	0.090706	1249.081	ug/L	0.001				
Ba		137	0.023382	167.003	ug/L	0.003				
Ba		138	0.023258	978.054	ug/L	0.001				
Tb		159	601068.6	ug/L						
Ho		165	581367.62	ug/L						
Hg		200	0.005271	30	ug/L	0.003				
Hg		202	0.002233	33.334	ug/L	0.001				
Tl		205	0.008738	594.692	ug/L	0				
Pb		208	0.0336	1893.095	ug/L	0.001				
Bi		209	430183.42	ug/L						
Se		77	-0.659856	669.358	mg/L	0.151				
Se		78	-5.113899	13309.4	mg/L	0.014				
Se		82	0.263653	42.562	mg/L	0.014				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	84.007							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	85.111
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.982
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	85.819
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 19:42:29
Autosampl Position: 33
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18744
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9458.251		ug/L						
Be	9	0.004409	14.667	ug/L	0.001					
B	10	-0.103341	63.334	ug/L	0.017					
B	11	0.055679	299.341	ug/L	0.011					
C	12	390398		ug/L						
Na	23	0.450871	13761.78	ug/L	0.027					
Mg	24	0.150889	960.147	ug/L	0.03					
Mg	25	0.042273	96.677	ug/L	0.052					
Al	27	0.09815	4231.408	ug/L	0.006					
Si	28	51775.518		ug/L						
P	31	-5.251608	6069.299	ug/L	0.917					
S	32	70279733		ug/L						
Cl	35	8236675.8		ug/L						
K	39	9.431354	854381.4	ug/L	2.144					
Ca	44	-34.01078	38073.36	ug/L	2.729					
Sc	45	153334.52		ug/L						
Ti	47	-0.044091	158.003	ug/L	0.001					
Ti	48	0.153864	-2453.69	ug/L	0.015					
V	51	0.889295	39016.94	ug/L	0.054					
ClO	51	40163.929		ug/L						
Cr	52	0.018843	6654.009	ug/L	0.034					
Cr	53	2.55371	12819.49	ug/L	0.235					
Fe	54	-1.16141	44826.33	ug/L	2.417					
Mn	55	-0.174648	1254.432	ug/L	0.004					
Fe	56	-63.42129	1903730	ug/L	3.279					
Fe	57	-0.948909	8134.451	ug/L	0.037					
Co	59	-0.004882	53.001	ug/L	0.001					
Ni	60	0.007085	73.001	ug/L	0					
Ni	62	0.026478	51.334	ug/L	0.022					
Cu	63	0.006062	183.004	ug/L	0.001					
Zn	64	0.232012	1460.221	ug/L	0.004					
Cu	65	0.010818	94.668	ug/L	0.002					
Zn	66	0.248422	897.053	ug/L	0.016					
Zn	68	0.190106	686.7	ug/L	0.068					
Ge	72	155133.85		ug/L						
As	75	-0.005406	-199.387	ug/L	0.037					
Se	74	53.609383	16514.06	mg/L	15.293					
ArCl	77	670.698		ug/L						

Br		79	2242.966	ug/L						
Br		81	18836.685	ug/L						
Y		89	394570.18	ug/L						
Mo		95	0.013143	158.336	ug/L	0.003				
Rh		103	402806.64	ug/L						
Ag		107	0.013612	721.703	ug/L	0.005				
Ag		109	0.017316	705.035	ug/L	0.009				
Cd		111	-0.001533	21.334	ug/L	0				
Cd		114	-0.034498	175.67	ug/L	0.001				
In		115	528448.18	ug/L						
Sb		121	0.025646	1024.068	ug/L	0				
Sb		123	0.024747	772.484	ug/L	0.001				
Ba		137	0.000768	57.667	ug/L	0.001				
Ba		138	0.000265	265.21	ug/L	0				
Tb		159	611035.67	ug/L						
Ho		165	579858.78	ug/L						
Hg		200	0.000239	19.334	ug/L	0.002				
Hg		202	-0.00028	26.334	ug/L	0				
Tl		205	0.001293	393.346	ug/L	0				
Pb		208	-0.003277	516.344	ug/L	0				
Bi		209	440144.49	ug/L						
Se		77	-0.936566	634.689	mg/L	0.572				
Se		78	-5.398667	13189.71	mg/L	0.296				
Se		82	0.173795	25.01	mg/L	0.015				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	84.859								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.101
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.143
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	85.596
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.05
Sample Date/Time Monday August 29 2011 19:48:55
Autosampl Position: 34
Sample Descriptior 1:25 Be rerun
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.05.18745
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9994.825		ug/L						
Be	9	0.194843	95.335	ug/L	0.041					
B	10	2.502473	312.675	ug/L	0.239					
B	11	2.766541	1566.817	ug/L	0.213					
C	12	777583.96		ug/L						
Na	23	57.904753	407792.9	ug/L	2.541					
Mg	24	4036.601	17585383	ug/L	115.589					
Mg	25	4030.7601	2528108	ug/L	239.656					
Al	27	3435.6663	23878137	ug/L	146.06					
Si	28	1366949.7		ug/L						
P	31	393.88096	144033.2	ug/L	16.141					
S	32	76319093		ug/L						
Cl	35	13003544		ug/L						
K	39	688.52452	8424175	ug/L	46.404					
Ca	44	15766.899	5246997	ug/L	839.637					
Sc	45	198395.38		ug/L						
Ti	47	179.27768	158467.5	ug/L	8.362					
Ti	48	201.06308	1834197	ug/L	11.182					
V	51	9.637512	157375.1	ug/L	0.619					
ClO	51	162989.41		ug/L						
Cr	52	25.7765	273592.8	ug/L	1.394					
Cr	53	25.974088	46436.43	ug/L	2.168					
Fe	54	33676.161	23720512	ug/L	2454.211					
Mn	55	310.32861	5070808	ug/L	22.911					
Fe	56	33809.957	4.28E+08	ug/L	2865.152					
Fe	57	35529.552	10431815	ug/L	2175.423					
Co	59	6.832239	85568.68	ug/L	0.406					
Ni	60	21.473245	63313.67	ug/L	1.238					
Ni	62	22.078018	9875.793	ug/L	1.301					
Cu	63	85.618337	536497.5	ug/L	3.426					
Zn	64	56.157942	174855.5	ug/L	3.324					
Cu	65	86.189721	261778.8	ug/L	3.588					
Zn	66	55.604763	101164.1	ug/L	2.818					
Zn	68	54.441294	72007.79	ug/L	2.516					
Ge	72	160566.93		ug/L						
As	75	11.189869	18590.45	ug/L	0.08					
Se	74	216.16476	6725.109	mg/L	74.28					
ArCl	77	911.388		ug/L						

Br	79	7514.554	ug/L						
Br	81	24436.09	ug/L						
Y	89	571607.64	ug/L						
Mo	95	6.003326	24865.88	ug/L	0.047				
Rh	103	388909.93	ug/L						
Ag	107	0.149031	2359.997	ug/L	0.012				
Ag	109	0.149882	2246.3	ug/L	0.014				
Cd	111	0.320624	1035.069	ug/L	0.002				
Cd	114	0.785179	6146.474	ug/L	0.023				
In	115	529091.57	ug/L						
Sb	121	4.651482	48739.46	ug/L	0.074				
Sb	123	4.710178	37967.88	ug/L	0.033				
Ba	137	36.499907	186528	ug/L	0.59				
Ba	138	36.454339	1189216	ug/L	0.732				
Tb	159	630479.42	ug/L						
Ho	165	602105	ug/L						
Hg	200	0.349371	780.041	ug/L	0.026				
Hg	202	0.265508	787.709	ug/L	0.017				
Tl	205	0.144004	4384.101	ug/L	0				
Pb	208	149.13663	5761665	ug/L	1.43				
Bi	209	447556.52	ug/L						
Se	77	1.074939	886.71	mg/L	0.135				
Se	78	-5.049693	13336.39	mg/L	0.619				
Se	82	0.705951	128.961	mg/L	0.014				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	109.797							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	91.187
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.25
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.88
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.06
Sample Date/Time Monday August 29 2011 19:55:22
Autosampl Position: 35
Sample Descriptior 1:25 Be rerun
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.06.18746
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9722.53		ug/L						
Be	9	0.145764	66.668	ug/L	0.016					
B	10	2.794357	297.008	ug/L	0.15					
B	11	2.837981	1402.122	ug/L	0.041					
C	12	674769.61		ug/L						
Na	23	36.524533	230334.3	ug/L	0.84					
Mg	24	10837.661	41390374	ug/L	167.274					
Mg	25	10477.148	5765807	ug/L	145.386					
Al	27	3100.0588	18894109	ug/L	71.713					
Si	28	1047125.1		ug/L						
P	31	374.51769	120481.8	ug/L	12.933					
S	32	80178835		ug/L						
Cl	35	13368270		ug/L						
K	39	836.34451	8787927	ug/L	27.477					
Ca	44	20336.519	5920504	ug/L	602.716					
Sc	45	173826.76		ug/L						
Ti	47	158.87674	123181.2	ug/L	4.264					
Ti	48	172.28542	1378029	ug/L	5.114					
V	51	7.547233	115617.7	ug/L	0.216					
ClO	51	117917.16		ug/L						
Cr	52	4.239695	45631.66	ug/L	0.129					
Cr	53	7.246729	19787.72	ug/L	0.068					
Fe	54	15586.835	9662103	ug/L	506.831					
Mn	55	171.44779	2460338	ug/L	5.047					
Fe	56	15655.013	1.75E+08	ug/L	547.348					
Fe	57	16668.351	4299640	ug/L	171.252					
Co	59	2.702156	29756.25	ug/L	0.084					
Ni	60	4.879054	12669.28	ug/L	0.14					
Ni	62	5.681566	2263.971	ug/L	0.34					
Cu	63	6.568089	36246.81	ug/L	0.182					
Zn	64	67.271137	183511.2	ug/L	2.777					
Cu	65	6.742814	18027.04	ug/L	0.257					
Zn	66	67.900764	108207.9	ug/L	1.909					
Zn	68	65.324103	75652.9	ug/L	2.104					
Ge	72	156612.27		ug/L						
As	75	3.428073	5420.791	ug/L	0.095					
Se	74	135.01247	11598.56	mg/L	30.617					
ArCl	77	933.724		ug/L						

Br		79	6677.518	ug/L						
Br		81	24686.387	ug/L						
Y		89	556943.3	ug/L						
Mo		95	0.592108	2488.699	ug/L	0.003				
Rh		103	388692.94	ug/L						
Ag		107	0.058739	1233.763	ug/L	0.006				
Ag		109	0.063779	1211.426	ug/L	0.002				
Cd		111	0.135352	439.682	ug/L	0.008				
Cd		114	0.546359	4282.719	ug/L	0.008				
In		115	514185.54	ug/L						
Sb		121	0.51562	5908.646	ug/L	0.002				
Sb		123	0.509173	4489.173	ug/L	0.002				
Ba		137	25.004812	124185	ug/L	0.439				
Ba		138	24.755665	784759.5	ug/L	0.616				
Tb		159	630223.84	ug/L						
Ho		165	602785.92	ug/L						
Hg		200	0.106744	252.339	ug/L	0.01				
Hg		202	0.103713	325.342	ug/L	0.004				
Tl		205	0.072352	2391.005	ug/L	0.004				
Pb		208	33.726974	1305024	ug/L	0.169				
Bi		209	439775.61	ug/L						
Se		77	1.2878	913.379	mg/L	0.135				
Se		78	-5.487037	13152.57	mg/L	0.407				
Se		82	0.573431	103.075	mg/L	0.209				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	96.2								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.941
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.764
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.981
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.07
Sample Date/Time Monday August 29 2011 20:01:49
Autosampl Position: 36
Sample Descriptior 1:25 Be rerun
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.07.18747
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8778.904		ug/L						
Be	9	0.134264	63.334	ug/L	0.02					
B	10	3.136875	328.676	ug/L	0.193					
B	11	3.287423	1597.156	ug/L	0.079					
C	12	643847.71		ug/L						
Na	23	37.949136	242307.7	ug/L	0.357					
Mg	24	23687.275	91788898	ug/L	13.691					
Mg	25	24132.402	13469147	ug/L	796.198					
Al	27	2605.5939	16116658	ug/L	13.862					
Si	28	1128043.5		ug/L						
P	31	372.38051	121569.6	ug/L	14.892					
S	32	85079734		ug/L						
Cl	35	13663194		ug/L						
K	39	835.19658	8908144	ug/L	5.765					
Ca	44	44952.119	13219100	ug/L	821.374					
Sc	45	176335.62		ug/L						
Ti	47	123.87023	97490.62	ug/L	1.961					
Ti	48	171.7406	1393257	ug/L	7.848					
V	51	6.98391	111177.2	ug/L	0.092					
ClO	51	113939.39		ug/L						
Cr	52	3.372026	38349.03	ug/L	0.105					
Cr	53	7.134578	19942.72	ug/L	0.3					
Fe	54	9844.9574	6209013	ug/L	493.841					
Mn	55	201.49146	2932574	ug/L	6.212					
Fe	56	9743.0858	1.12E+08	ug/L	483.14					
Fe	57	10451.308	2738404	ug/L	126.953					
Co	59	2.32559	25990.7	ug/L	0.112					
Ni	60	4.467173	11770.73	ug/L	0.201					
Ni	62	4.513247	1835.204	ug/L	0.128					
Cu	63	5.02262	28161.5	ug/L	0.127					
Zn	64	64.525402	178655.9	ug/L	1.458					
Cu	65	5.165185	14029.29	ug/L	0.156					
Zn	66	64.973743	105068.7	ug/L	1.841					
Zn	68	63.435919	74540.45	ug/L	2.429					
Ge	72	156982.51		ug/L						
As	75	2.898865	4566.978	ug/L	0.141					
Se	74	145.53454	10976.98	mg/L	22.874					
ArCl	77	1052.738		ug/L						

Br		79	5269.246	ug/L					
Br		81	23750.556	ug/L					
Y		89	548979.95	ug/L					
Mo		95	0.282225	1245.098	ug/L	0.002			
Rh		103	392702.83	ug/L					
Ag		107	0.044086	1079.408	ug/L	0			
Ag		109	0.048399	1056.405	ug/L	0.004			
Cd		111	0.375844	1195.424	ug/L	0.005			
Cd		114	0.71105	5542.745	ug/L	0.015			
In		115	523296.8	ug/L					
Sb		121	0.220862	3004.86	ug/L	0.007			
Sb		123	0.231507	2388.097	ug/L	0.002			
Ba		137	19.217144	97146.64	ug/L	0.282			
Ba		138	19.335834	623842.9	ug/L	0.504			
Tb		159	642296.2	ug/L					
Ho		165	613799.62	ug/L					
Hg		200	0.069719	174.67	ug/L	0.004			
Hg		202	0.071505	237.339	ug/L	0.005			
Tl		205	0.058808	2049.585	ug/L	0.002			
Pb		208	46.990972	1851199	ug/L	0.312			
Bi		209	433977.75	ug/L					
Se		77	2.096681	1014.724	mg/L	0.978			
Se		78	-4.376764	13619.23	mg/L	0.629			
Se		82	0.410409	71.23	mg/L	0.051			

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	97.589							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.151
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.283
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.606
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Monday August 29 2011 20:08:16
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.18748
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7903.434		ug/L						
Be	9	-0.000642	14	ug/L	0.005					
B	10	-0.267626	55.667	ug/L	0.075					
B	11	-0.068325	275.34	ug/L	0.067					
C	12	346985.57		ug/L						
Na	23	0.330926	14032.23	ug/L	0.033					
Mg	24	0.685685	2950.775	ug/L	0.061					
Mg	25	0.52471	353.376	ug/L	0.135					
Al	27	0.038728	4178.046	ug/L	0.05					
Si	28	56936.763		ug/L						
P	31	-0.014925	7957.634	ug/L	3.613					
S	32	84693759		ug/L						
Cl	35	8864844.6		ug/L						
K	39	8.19754	901907.3	ug/L	1.401					
Ca	44	-41.96083	38515.27	ug/L	3.639					
Sc	45	163820.29		ug/L						
Ti	47	0.136301	300.341	ug/L	0.021					
Ti	48	0.333578	-1264.75	ug/L	0.033					
V	51	0.964795	42449.97	ug/L	0.055					
ClO	51	43424.566		ug/L						
Cr	52	0.079229	7624.923	ug/L	0.01					
Cr	53	2.785608	13942.82	ug/L	0.037					
Fe	54	13.453	56346.48	ug/L	15.77					
Mn	55	-0.172368	1369.786	ug/L	0.021					
Fe	56	32.573699	3031227	ug/L	4.987					
Fe	57	8.815501	11057.83	ug/L	1.181					
Co	59	-0.004739	58.001	ug/L	0.001					
Ni	60	0.00599	75.334	ug/L	0					
Ni	62	0.010825	49.001	ug/L	0.005					
Cu	63	0.03105	325.009	ug/L	0.004					
Zn	64	0.035445	1057.079	ug/L	0.006					
Cu	65	0.032399	155.336	ug/L	0.002					
Zn	66	0.042316	650.696	ug/L	0.004					
Zn	68	0.009972	539.021	ug/L	0.011					
Ge	72	151843.05		ug/L						
As	75	-0.032536	-237.879	ug/L	0.008					
Se	74	75.546241	14814.93	mg/L	55.894					
ArCl	77	659.697		ug/L						

Br		79	2069.257	ug/L					
Br		81	19153.35	ug/L					
Y		89	392922.44	ug/L					
Mo		95	0.001953	111.335	ug/L	0.002			
Rh		103	397799.47	ug/L					
Ag		107	-0.006183	474.018	ug/L	0.011			
Ag		109	-0.005303	434.682	ug/L	0.01			
Cd		111	-0.0013	21.667	ug/L	0.001			
Cd		114	-0.024261	245.672	ug/L	0.002			
In		115	518984.17	ug/L					
Sb		121	-0.006904	676.365	ug/L	0.002			
Sb		123	-0.006487	515.415	ug/L	0.003			
Ba		137	-0.000293	51.334	ug/L	0			
Ba		138	0.000337	262.774	ug/L	0			
Tb		159	624983.56	ug/L					
Ho		165	605975.16	ug/L					
Hg		200	-0.001079	17.334	ug/L	0.002			
Hg		202	-0.003112	19.334	ug/L	0.002			
Tl		205	-0.003473	277.34	ug/L	0.001			
Pb		208	0.006824	932.362	ug/L	0			
Bi		209	449645.29	ug/L					
Se		77	-0.957851	632.022	mg/L	0.843			
Se		78	-4.489592	13571.81	mg/L	0.368			
Se		82	0.150172	20.395	mg/L	0.063			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.662							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	86.233
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.564
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.451
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Monday August 29 2011 20:15:12
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.18749
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8182.351		ug/L						
Be	9	93.528938	31285.06	ug/L	1.029					
B	10	89.529645	6662.507	ug/L	0.861					
B	11	89.529183	32657.89	ug/L	0.599					
C	12	385252.5		ug/L						
Na	23	107.50189	617722.8	ug/L	2.403					
Mg	24	114.66077	414790.1	ug/L	2.527					
Mg	25	112.79721	58808.85	ug/L	3.219					
Al	27	109.21951	633732.9	ug/L	0.587					
Si	28	211093.8		ug/L						
P	31	0.859203	8241.224	ug/L	0.173					
S	32	84953238		ug/L						
Cl	35	8607458.3		ug/L						
K	39	1130.5827	10949496	ug/L	12.853					
Ca	44	65.633829	68040.48	ug/L	4.957					
Sc	45	164436.53		ug/L						
Ti	47	99.777158	73281.91	ug/L	0.607					
Ti	48	101.15368	764078.2	ug/L	1.962					
V	51	95.691783	1003731	ug/L	1.463					
ClO	51	1017035		ug/L						
Cr	52	96.397739	830114.4	ug/L	1.634					
Cr	53	94.427897	111042.5	ug/L	0.313					
Fe	54	123.04191	120535.6	ug/L	15.064					
Mn	55	95.646638	1300532	ug/L	1.493					
Fe	56	135.30231	4114002	ug/L	6.735					
Fe	57	107.91992	35235	ug/L	0.579					
Co	59	94.273178	978820.8	ug/L	0.832					
Ni	60	87.131965	213087.2	ug/L	0.147					
Ni	62	87.336661	32297.26	ug/L	1.621					
Cu	63	94.752421	492625.8	ug/L	0.599					
Zn	64	88.051441	227049.1	ug/L	0.624					
Cu	65	93.242907	234992.1	ug/L	0.031					
Zn	66	87.681135	132067.5	ug/L	1.226					
Zn	68	86.734405	94890.61	ug/L	0.125					
Ge	72	153948.59		ug/L						
As	75	106.5637	171348.1	ug/L	1.82					
Se	74	13.955207	18803.31	mg/L	7.649					
ArCl	77	12534.428		ug/L						

Br	79	2027.913		ug/L		
Br	81	20042.937		ug/L		
Y	89	400795.22		ug/L		
Mo	95	99.664499	394096.7	ug/L	5.706	
Rh	103	416243.42		ug/L		
Ag	107	49.163731	600186.3	ug/L	1.654	
Ag	109	50.302764	590291.7	ug/L	3.785	
Cd	111	101.26283	321216.5	ug/L	0.332	
Cd	114	101.35928	744486	ug/L	0.439	
In	115	533319.29		ug/L		
Sb	121	94.331559	981950.5	ug/L	4.209	
Sb	123	93.94567	752568.9	ug/L	3.935	
Ba	137	103.72938	534232.7	ug/L	1.37	
Ba	138	103.11557	3390430	ug/L	0.97	
Tb	159	643016.25		ug/L		
Ho	165	618879.22		ug/L		
Hg	200	1.013718	2288.978	ug/L	0.008	
Hg	202	0.999181	2968.181	ug/L	0.025	
Tl	205	104.84545	3002619	ug/L	0.295	
Pb	208	100.64805	3997111	ug/L	0.149	
Bi	209	445836.94		ug/L		
Se	77	93.835042	12508.6	mg/L	0.105	
Se	78	88.95951	52849.93	mg/L	2.172	
Se	82	87.869272	17155.44	mg/L	0.637	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	92.603							
|	B	89.262							
|	B	89.261							
|	C								
|	Na	106.122							
|	Mg	113.526							
|	Mg	111.68							
|	Al	108.784							
|	Si								
|	P								
|	S								
|	Cl								
|	K	112.72							
|	Ca	65.048							
|>	Sc	91.003							
|	Ti	99.777							
|	Ti	101.154							
|	V	95.311							
|	ClO								
|	Cr	95.443							

	Cr	93.493
	Fe	122.308
	Mn	95.266
	Fe	134.495
	Fe	107.276
	Co	93.711
	Ni	86.44
	Ni	86.644
	Cu	94.847
	Zn	87.439
	Cu	93.336
	Zn	87.072
-	Zn	86.131
>	Ge	87.428
	As	107.207
	Se	13.927
	ArCl	
	Br	
	Br	
	Y	
-	Mo	99.366
-	Rh	
	Ag	48.774
	Ag	49.904
	Cd	100.759
	Cd	100.855
>	In	88.955
	Sb	94.049
	Sb	93.665
	Ba	103.008
-	Ba	102.399
-	Tb	
>	Ho	91.356
	Hg	101.372
	Hg	99.918
	Tl	104.845
	Pb	100.648
-	Bi	
	Se	93.648
	Se	88.782
	Se	87.694

Sample ID: QC Std 5
Sample Date/Time Monday August 29 2011 20:22:06
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.1875
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8322.475		ug/L						
Be	9	40.496818	13361.61	ug/L	0.262					
B	10	145.10149	10598.28	ug/L	4.94					
B	11	147.72012	52926.51	ug/L	3.279					
C	12	383775.19		ug/L						
Na	23	7.016139	51021.29	ug/L	3.985					
Mg	24	0.31584	1603.635	ug/L	0.018					
Mg	25	0.271291	220.025	ug/L	0.055					
Al	27	191.16484	1090580	ug/L	0.638					
Si	28	106925.92		ug/L						
P	31	-0.814919	7657.326	ug/L	1.319					
S	32	80577783		ug/L						
Cl	35	8038336.9		ug/L						
K	39	7.456655	886015.1	ug/L	0.469					
Ca	44	-41.79215	38163.75	ug/L	0.251					
Sc	45	162107.23		ug/L						
Ti	47	0.200521	343.677	ug/L	0.034					
Ti	48	0.392116	-811.786	ug/L	0.038					
V	51	24.4615	277043.9	ug/L	0.228					
ClO	51	281987.8		ug/L						
Cr	52	47.497713	406736.4	ug/L	0.207					
Cr	53	46.469638	59403.05	ug/L	0.434					
Fe	54	199.53142	162859.1	ug/L	6.591					
Mn	55	100.82188	1351352	ug/L	0.428					
Fe	56	205.72248	4779940	ug/L	7.56					
Fe	57	190.41386	54538.59	ug/L	5.905					
Co	59	22.755599	233008.5	ug/L	0.267					
Ni	60	175.48782	423030.3	ug/L	0.585					
Ni	62	174.31071	63506.35	ug/L	0.823					
Cu	63	73.715326	377866.2	ug/L	0.111					
Zn	64	90.23573	229364.3	ug/L	1.494					
Cu	65	73.379154	182327	ug/L	0.006					
Zn	66	92.226864	136910.3	ug/L	0.521					
Zn	68	93.096446	100370	ug/L	0.333					
Ge	72	150534.8		ug/L						
As	75	44.184314	69365.93	ug/L	0.05					
Se	74	-12.38079	19955.66	mg/L	21.275					
ArCl	77	19722.235		ug/L						

Br	79	1940.227	ug/L			
Br	81	18611.885	ug/L			
Y	89	381065.63	ug/L			
Mo	95	42.991963	166284.8	ug/L	2.439	
Rh	103	392084.85	ug/L			
Ag	107	56.521028	663666.1	ug/L	5.534	
Ag	109	55.916044	631416.5	ug/L	2.53	
Cd	111	23.370761	71416.8	ug/L	0.767	
Cd	114	23.677451	167806.3	ug/L	0.807	
In	115	513851.1	ug/L			
Sb	121	51.547225	516876.4	ug/L	2.077	
Sb	123	51.797942	399689.8	ug/L	2.154	
Ba	137	148.13578	734974.8	ug/L	2.294	
Ba	138	148.53833	4703661	ug/L	4.942	
Tb	159	620552.77	ug/L			
Ho	165	591144.94	ug/L			
Hg	200	1.117427	2408.343	ug/L	0.015	
Hg	202	1.11362	3156.58	ug/L	0.007	
Tl	205	14.327222	392204.6	ug/L	0.216	
Pb	208	106.89815	4054609	ug/L	2.262	
Bi	209	446513.93	ug/L			
Se	77	150.89189	19657.24	mg/L	4.359	
Se	78	142.10335	75187.12	mg/L	4.39	
Se	82	137.53723	26857.58	mg/L	0.458	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	95.063							
|	B	90.688							
|	B	92.325							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	108.616							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	89.714							
|	Ti								
|	Ti								
|	V	98.239							
|	ClO								
|	Cr	96.54							

	Cr	94.45
	Fe	111.47
	Mn	95.115
	Fe	114.929
	Fe	106.376
	Co	97.664
	Ni	86.023
	Ni	85.446
	Cu	94.265
	Zn	85.939
	Cu	93.835
	Zn	87.835
|-	Zn	88.663
|>	Ge	85.49
	As	112.143
	Se	-7.738
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	102.606
|-	Rh	
	Ag	112.368
	Ag	111.165
	Cd	100.736
	Cd	102.058
|>	In	85.708
	Sb	110.854
	Sb	111.393
	Ba	105.061
|-	Ba	105.346
|-	Tb	
|>	Ho	87.262
	Hg	111.743
	Hg	111.362
	Tl	100.896
	Pb	102.787
|-	Bi	
	Se	94.307
	Se	88.815
	Se	85.961

Sample ID: QC Std 6
Sample Date/Time Monday August 29 2011 20:29:01
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18751
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8441.251		ug/L						
Be	9	-0.002737	14	ug/L	0.007					
B	10	0.413147	110.668	ug/L	0.348					
B	11	0.566286	529.354	ug/L	0.044					
C	12	387901.95		ug/L						
Na	23	10394.74	61342005	ug/L	72.087					
Mg	24	10769.855	40750102	ug/L	272.374					
Mg	25	10399.301	5670233	ug/L	183.902					
Al	27	10617.084	64112228	ug/L	160.66					
Si	28	55236.229		ug/L						
P	31	10978.842	3263232	ug/L	148.791					
S	32	76263954		ug/L						
Cl	35	7207026.1		ug/L						
K	39	10261.497	97033613	ug/L	193.058					
Ca	44	10263.071	2987558	ug/L	16.046					
Sc	45	172223.04		ug/L						
Ti	47	23.886556	18528.05	ug/L	0.926					
Ti	48	6.211544	45334.01	ug/L	0.906					
V	51	-0.232466	31898.85	ug/L	0.077					
ClO	51	32709.065		ug/L						
Cr	52	0.014048	7430.549	ug/L	0.033					
Cr	53	-0.985828	10471.8	ug/L	0.297					
Fe	54	10044.551	6189772	ug/L	38.547					
Mn	55	-0.131665	2017.578	ug/L	0.016					
Fe	56	10132.582	1.13E+08	ug/L	263.966					
Fe	57	10574.088	2704906	ug/L	514.659					
Co	59	0.025001	384.012	ug/L	0.003					
Ni	60	0.227417	646.029	ug/L	0.006					
Ni	62	0.036813	61.667	ug/L	0.022					
Cu	63	0.193351	1224.428	ug/L	0.011					
Zn	64	0.518011	2408.203	ug/L	0.033					
Cu	65	0.12457	406.346	ug/L	0.007					
Zn	66	0.439039	1307.107	ug/L	0.002					
Zn	68	0.373718	981.063	ug/L	0.012					
Ge	72	152947.89		ug/L						
As	75	0.091777	-40.703	ug/L	0.102					
Se	74	84.297688	14417.56	mg/L	29.628					
ArCl	77	614.027		ug/L						

Br	79	2137.273	ug/L			
Br	81	18832.675	ug/L			
Y	89	397620.58	ug/L			
Mo	95	0.232277	1016.735	ug/L	0.048	
Rh	103	379647.02	ug/L			
Ag	107	0.246022	3458.715	ug/L	0.074	
Ag	109	0.24826	3318.322	ug/L	0.068	
Cd	111	0.010523	58.001	ug/L	0.002	
Cd	114	-0.021392	265.34	ug/L	0	
In	115	517373.77	ug/L			
Sb	121	0.767956	8493.75	ug/L	0.101	
Sb	123	0.778072	6606.903	ug/L	0.108	
Ba	137	0.042973	267.34	ug/L	0	
Ba	138	0.04562	1706.398	ug/L	0.001	
Tb	159	620508.25	ug/L			
Ho	165	595859	ug/L			
Hg	200	0.012963	47.334	ug/L	0.003	
Hg	202	0.010391	57.334	ug/L	0.003	
Tl	205	0.001193	401.346	ug/L	0.001	
Pb	208	0.030395	1817.422	ug/L	0.002	
Bi	209	432661.34	ug/L			
Se	77	-1.213278	600.02	mg/L	0.181	
Se	78	-5.630948	13092.08	mg/L	1.075	
Se	82	0.303274	50.302	mg/L	0.063	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	103.947							
|	Mg	107.699							
|	Mg	103.993							
|	Al	106.171							
|	Si								
|	P	109.788							
|	S								
|	Cl								
|	K	102.615							
|	Ca	102.631							
|>	Sc	95.313							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	100.446
|	Mn	
|	Fe	101.326
|	Fe	105.741
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	86.86
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	86.295
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	87.958
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.08
Sample Date/Time Monday August 29 2011 20:35:57
Autosampl Position: 37
Sample Descriptior 1:25 Be rerun
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.08.18752
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9319.441		ug/L						
Be	9	0.131156	61.001	ug/L	0.001					
B	10	1.448647	191.337	ug/L	0.257					
B	11	1.491261	881.718	ug/L	0.011					
C	12	467358.08		ug/L						
Na	23	26.67694	170548.7	ug/L	0.913					
Mg	24	2570.1287	9746949	ug/L	138.612					
Mg	25	2373.877	1297544	ug/L	52.664					
Al	27	3218.0195	19477942	ug/L	151.533					
Si	28	885815.46		ug/L						
P	31	268.22909	88080.48	ug/L	17.432					
S	32	72679908		ug/L						
Cl	35	13450968		ug/L						
K	39	873.9951	9082105	ug/L	42.084					
Ca	44	6093.902	1799371	ug/L	65.719					
Sc	45	172634.57		ug/L						
Ti	47	191.07595	147101.4	ug/L	7.236					
Ti	48	195.20299	1551445	ug/L	6.147					
V	51	9.20317	132469.2	ug/L	0.354					
ClO	51	135486.17		ug/L						
Cr	52	4.186084	44842.86	ug/L	0.172					
Cr	53	5.732519	17968.59	ug/L	0.121					
Fe	54	9192.3525	5681039	ug/L	373.418					
Mn	55	188.49893	2686834	ug/L	3.437					
Fe	56	9237.7783	1.04E+08	ug/L	205.261					
Fe	57	9887.1805	2537168	ug/L	27.053					
Co	59	2.835264	31007.78	ug/L	0.1					
Ni	60	3.906524	10089.36	ug/L	0.096					
Ni	62	5.252905	2083.926	ug/L	0.058					
Cu	63	16.903402	92392.39	ug/L	0.375					
Zn	64	201.55104	544247.8	ug/L	4.055					
Cu	65	16.833606	44596.23	ug/L	0.362					
Zn	66	208.35287	328588.7	ug/L	1.521					
Zn	68	201.67653	230882	ug/L	2.721					
Ge	72	153251.91		ug/L						
As	75	3.136761	4837.241	ug/L	0.08					
Se	74	102.04078	13344.1	mg/L	32.501					
ArCl	77	898.72		ug/L						

Br		79	3035.871	ug/L						
Br		81	19554.537	ug/L						
Y		89	616259.31	ug/L						
Mo		95	0.245395	1070.074	ug/L	0.012				
Rh		103	383976.08	ug/L						
Ag		107	0.20918	3014.197	ug/L	0.015				
Ag		109	0.210946	2885.822	ug/L	0.024				
Cd		111	0.656712	2042.583	ug/L	0.006				
Cd		114	0.939479	7095.506	ug/L	0.02				
In		115	516428.74	ug/L						
Sb		121	1.20288	12853.54	ug/L	0.028				
Sb		123	1.225069	10055.54	ug/L	0.016				
Ba		137	54.310627	270902.4	ug/L	0.299				
Ba		138	54.310337	1729365	ug/L	0.52				
Tb		159	626756.38	ug/L						
Ho		165	595160.35	ug/L						
Hg		200	0.05568	139.336	ug/L	0.009				
Hg		202	0.059449	196.004	ug/L	0.001				
Tl		205	0.083122	2656.748	ug/L	0.001				
Pb		208	620.71512	23698393	ug/L	13.59				
Bi		209	434066.84	ug/L						
Se		77	1.128155	893.377	mg/L	0.512				
Se		78	-5.377586	13198.57	mg/L	0.529				
Se		82	0.401823	69.553	mg/L	0.06				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	95.54								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.033
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.138
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.855
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.09
Sample Date/Time Monday August 29 2011 20:42:24
Autosampl Position: 38
Sample Description 1:25 Be rerun
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.09.18753
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8051.566		ug/L						
Be	9	0.117134	52.334	ug/L	0.024					
B	10	1.225032	162.336	ug/L	0.282					
B	11	1.239413	734.704	ug/L	0.016					
C	12	517364.63		ug/L						
Na	23	34.947699	205098.2	ug/L	0.239					
Mg	24	3646.5247	12926696	ug/L	23.51					
Mg	25	3417.2874	1745287	ug/L	83.234					
Al	27	2695.5882	15246848	ug/L	104.266					
Si	28	1162564		ug/L						
P	31	276.52457	84620.48	ug/L	10.251					
S	32	80425339		ug/L						
Cl	35	14014137		ug/L						
K	39	526.49588	5437731	ug/L	10.927					
Ca	44	245279.72	65730006	ug/L	9234.791					
Sc	45	161317.59		ug/L						
Ti	47	108.29416	77995.61	ug/L	2.736					
Ti	48	342.91293	2549576	ug/L	8.924					
V	51	6.295418	94856.93	ug/L	0.111					
ClO	51	97340.676		ug/L						
Cr	52	4.758998	46699.44	ug/L	0.186					
Cr	53	8.322617	19483.72	ug/L	0.137					
Fe	54	6816.6654	3949624	ug/L	108.803					
Mn	55	148.2075	1974491	ug/L	4.987					
Fe	56	6786.7269	72073408	ug/L	107.345					
Fe	57	7095.7423	1703769	ug/L	76.871					
Co	59	2.499324	25553.12	ug/L	0.087					
Ni	60	15.240931	36602.92	ug/L	0.578					
Ni	62	11.466135	4198.011	ug/L	0.159					
Cu	63	23.233593	118607.6	ug/L	0.415					
Zn	64	664.46968	1674381	ug/L	14.381					
Cu	65	23.279793	57600.48	ug/L	0.517					
Zn	66	688.13569	1012543	ug/L	21.24					
Zn	68	664.6221	709683.1	ug/L	19.185					
Ge	72	141970.65		ug/L						
As	75	2.645998	3753.608	ug/L	0.078					
Se	74	103.28841	12307.64	mg/L	28.005					
ArCl	77	1550.481		ug/L						

Br	79	4144.653	ug/L			
Br	81	20540.059	ug/L			
Y	89	461151.22	ug/L			
Mo	95	0.42536	1647.833	ug/L	0.015	
Rh	103	367274.8	ug/L			
Ag	107	0.099582	1682.839	ug/L	0.012	
Ag	109	0.107326	1673.838	ug/L	0.007	
Cd	111	6.810032	20496.62	ug/L	0.175	
Cd	114	7.088162	49714.74	ug/L	0.274	
In	115	505585.94	ug/L			
Sb	121	0.589735	6537.415	ug/L	0.025	
Sb	123	0.597897	5084.586	ug/L	0.027	
Ba	137	43.548001	212571.7	ug/L	1.77	
Ba	138	43.292335	1349146	ug/L	1.445	
Tb	159	635323.24	ug/L			
Ho	165	603330.31	ug/L			
Hg	200	0.074739	182.67	ug/L	0	
Hg	202	0.065729	216.671	ug/L	0.001	
Tl	205	0.073469	2424.348	ug/L	0.002	
Pb	208	540.40713	20918399	ug/L	6.091	
Bi	209	400923.37	ug/L			
Se	77	6.939491	1621.478	mg/L	0.753	
Se	78	-6.101505	12894.3	mg/L	0.429	
Se	82	0.6819	124.263	mg/L	0.214	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	89.277							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	80.626
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.329
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.061
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102476.1
Sample Date/Time Monday August 29 2011 20:48:50
Autosampl Position: 39
Sample Descriptior 1:25 Be rerun
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102476.10.18754
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7699.26		ug/L						
Be	9	0.193144	83.001	ug/L	0.014					
B	10	1.831411	221.672	ug/L	0.207					
B	11	2.001411	1078.741	ug/L	0.079					
C	12	592097.03		ug/L						
Na	23	53.202384	328495.5	ug/L	1.559					
Mg	24	5217.7765	19862626	ug/L	27.567					
Mg	25	5187.4267	2845080	ug/L	94.277					
Al	27	4333.2733	26325237	ug/L	24.188					
Si	28	1185672		ug/L						
P	31	392.38493	125421.7	ug/L	10.592					
S	32	78398164		ug/L						
Cl	35	16001494		ug/L						
K	39	875.94593	9133891	ug/L	10.181					
Ca	44	116995.84	33703404	ug/L	1282.571					
Sc	45	173231.21		ug/L						
Ti	47	187.12407	144571.9	ug/L	4.021					
Ti	48	299.51496	2391441	ug/L	0.239					
V	51	9.382346	134859	ug/L	0.11					
ClO	51	137879.45		ug/L						
Cr	52	7.346417	73418.58	ug/L	0.25					
Cr	53	11.257979	24193.39	ug/L	0.248					
Fe	54	8587.5095	5331209	ug/L	115.136					
Mn	55	195.9211	2802102	ug/L	2.94					
Fe	56	8777.9578	99254340	ug/L	267.819					
Fe	57	9483.6961	2442563	ug/L	76.38					
Co	59	3.324912	36471.38	ug/L	0.068					
Ni	60	19.28737	49732.16	ug/L	0.386					
Ni	62	18.477817	7235.951	ug/L	0.159					
Cu	63	31.003431	169883.1	ug/L	0.909					
Zn	64	877.2771	2373456	ug/L	21.937					
Cu	65	31.10426	82614.51	ug/L	0.773					
Zn	66	882.4102	1394258	ug/L	16.337					
Zn	68	853.6239	978745.6	ug/L	14.972					
Ge	72	145171.42		ug/L						
As	75	3.706844	5447.341	ug/L	0.127					
Se	74	132.62747	10921.5	mg/L	45.187					
ArCl	77	1392.454		ug/L						

Br		79	4512.498	ug/L						
Br		81	20033.584	ug/L						
Y		89	492649.09	ug/L						
Mo		95	0.557716	2179.283	ug/L	0.022				
Rh		103	370576.33	ug/L						
Ag		107	0.107164	1751.853	ug/L	0.008				
Ag		109	0.107379	1655.834	ug/L	0.001				
Cd		111	8.981311	26716.47	ug/L	0.053				
Cd		114	9.245898	63996.77	ug/L	0.088				
In		115	499705.7	ug/L						
Sb		121	0.822245	8729.276	ug/L	0.003				
Sb		123	0.835904	6811.829	ug/L	0.013				
Ba		137	57.091257	275532.9	ug/L	0.795				
Ba		138	56.450785	1739179	ug/L	1.084				
Tb		159	627227.11	ug/L						
Ho		165	607378.96	ug/L						
Hg		200	0.103188	246.339	ug/L	0.002				
Hg		202	0.100248	317.675	ug/L	0.004				
Tl		205	0.105419	3337.646	ug/L	0.002				
Pb		208	664.26991	25884204	ug/L	6.826				
Bi		209	419388.04	ug/L						
Se		77	5.577083	1450.782	mg/L	0.331				
Se		78	-6.843888	12582.26	mg/L	0.666				
Se		82	0.702859	128.357	mg/L	0.177				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	95.871								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	82.444
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.349
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.659
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102615.01
Sample Date/Time Monday August 29 2011 20:55:15
Autosampl Position: 40
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102615.01.18755
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9336.793		ug/L						
Be	9	0.23356	101.002	ug/L	0.004					
B	10	6.827617	632.028	ug/L	0.076					
B	11	6.674548	2967.514	ug/L	0.111					
C	12	3823152.2		ug/L						
Na	23	585.07116	3618065	ug/L	3.71					
Mg	24	1707.5589	6749617	ug/L	26.39					
Mg	25	1598.1548	910307.5	ug/L	72.139					
Al	27	4294.469	27089266	ug/L	70.15					
Si	28	7252416.8		ug/L						
P	31	6254.3291	1945471	ug/L	203.484					
S	32	84645107		ug/L						
Cl	35	20527369		ug/L						
K	39	867.20304	9399022	ug/L	39.184					
Ca	44	59920.587	17950846	ug/L	1570.734					
Sc	45	179856.4		ug/L						
Ti	47	186.37124	149534.4	ug/L	6.347					
Ti	48	236.66094	1961032	ug/L	6.495					
V	51	7.810572	122586.3	ug/L	0.146					
ClO	51	126553.1		ug/L						
Cr	52	12.445702	123879.3	ug/L	0.225					
Cr	53	19.219323	34342.76	ug/L	0.16					
Fe	54	6723.0304	4344357	ug/L	28.213					
Mn	55	188.88141	2805275	ug/L	0.294					
Fe	56	6764.382	80114256	ug/L	153.924					
Fe	57	6514.6434	1744944	ug/L	100.262					
Co	59	2.007323	22911.4	ug/L	0.018					
Ni	60	10.974203	29412.8	ug/L	0.174					
Ni	62	10.986022	4487.152	ug/L	0.131					
Cu	63	374.61206	2129796	ug/L	1.479					
Zn	64	748.32301	2102654	ug/L	1.498					
Cu	65	371.30141	1023265	ug/L	0.101					
Zn	66	751.6184	1233333	ug/L	0.434					
Zn	68	732.61984	872360.3	ug/L	1.194					
Ge	72	154641.52		ug/L						
As	75	2.750915	4257.847	ug/L	0.236					
Se	74	95.57577	13889.22	mg/L	46.914					
ArCl	77	1859.209		ug/L						

Br	79	9520.078	ug/L				
Br	81	27283.493	ug/L				
Y	89	498387.21	ug/L				
Mo	95	11.357725	45214.95	ug/L	0.069		
Rh	103	396575.08	ug/L				
Ag	107	4.717593	59417.47	ug/L	0.035		
Ag	109	4.643277	56184.69	ug/L	0.038		
Cd	111	1.129561	3692.787	ug/L	0.029		
Cd	114	1.923607	14885.66	ug/L	0.005		
In	115	545565.46	ug/L				
Sb	121	1.44158	16118.77	ug/L	0.006		
Sb	123	1.467745	12607.92	ug/L	0.031		
Ba	137	345.26563	1819203	ug/L	3.417		
Ba	138	349.72021	11762922	ug/L	0.16		
Tb	159	636950.99	ug/L				
Ho	165	615496.32	ug/L				
Hg	200	1.135094	2546.049	ug/L	0.029		
Hg	202	1.096208	3234.608	ug/L	0.032		
Tl	205	0.060856	2114.601	ug/L	0.003		
Pb	208	25.006074	988116.4	ug/L	0.133		
Bi	209	1792953.4	ug/L				
Se	77	8.621253	1832.186	mg/L	1.596		
Se	78	-2.439013	14433.7	mg/L	0.602		
Se	82	3.029776	582.897	mg/L	0.149		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.537							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.822
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.998
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.857
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102615.01 MS
Sample Date/Time Monday August 29 2011 21:01:41
Autosampl Position: 41
Sample Descriptior 1:25
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MS.18756
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9537.006		ug/L						
Be	9	953.56959	344193.5	ug/L	7.259					
B	10	7.360139	666.031	ug/L	0.562					
B	11	6.82622	2988.188	ug/L	0.086					
C	12	4666375		ug/L						
Na	23	11294.774	68693251	ug/L	401.128					
Mg	24	12656.322	49372981	ug/L	208.015					
Mg	25	12476.707	7013451	ug/L	126.486					
Al	27	14927.47	92923147	ug/L	360.183					
Si	28	6906436		ug/L						
P	31	16550.068	5066902	ug/L	19.538					
S	32	78949556		ug/L						
Cl	35	21324588		ug/L						
K	39	11628.372	1.13E+08	ug/L	23.132					
Ca	44	67908.155	20070786	ug/L	1977.324					
Sc	45	177524.58		ug/L						
Ti	47	198.95543	157546.2	ug/L	2.835					
Ti	48	246.93869	2019847	ug/L	3.33					
V	51	919.55841	10107995	ug/L	20.429					
ClO	51	10374794		ug/L						
Cr	52	896.14506	8269119	ug/L	2.262					
Cr	53	816.61295	945520.7	ug/L	6.43					
Fe	54	17778.032	11252448	ug/L	62.236					
Mn	55	1087.1876	15918388	ug/L	5.407					
Fe	56	17393.737	1.99E+08	ug/L	261.156					
Fe	57	18861.347	4968197	ug/L	117.118					
Co	59	863.67994	9680232	ug/L	9.598					
Ni	60	718.8783	1897550	ug/L	3.271					
Ni	62	739.40256	294840.6	ug/L	8.008					
Cu	63	1132.0929	6352404	ug/L	6.798					
Zn	64	1482.1307	4109501	ug/L	1.853					
Cu	65	1135.0186	3087272	ug/L	0.875					
Zn	66	1518.2305	2458357	ug/L	9.797					
Zn	68	1433.2358	1683963	ug/L	9.721					
Ge	72	153311.33		ug/L						
As	75	988.72103	1584658	ug/L	24.92					
Se	74	-111.6537	26360.74	mg/L	10.957					
ArCl	77	122112.22		ug/L						

Br		79	13500.488		ug/L				
Br		81	30539.851		ug/L				
Y		89	489602.46		ug/L				
Mo		95	1125.7422	4432787	ug/L	5.25			
Rh		103	388222.83		ug/L				
Ag		107	906.69267	10863514	ug/L	40.336			
Ag		109	893.69983	10291466	ug/L	33.435			
Cd		111	1009.5802	3147312	ug/L	23.951			
Cd		114	1014.5175	7320039	ug/L	23.98			
In		115	524313.8		ug/L				
Sb		121	1114.4705	11392434	ug/L	8.011			
Sb		123	1088.4967	8565247	ug/L	14.988			
Ba		137	1334.3797	6754505	ug/L	28.764			
Ba		138	1355.3298	43803376	ug/L	17.299			
Tb		159	610482.99		ug/L				
Ho		165	598438.08		ug/L				
Hg		200	2.21523	4813.989	ug/L	0.008			
Hg		202	2.201601	6289.238	ug/L	0.033			
Tl		205	1044.289	28911489	ug/L	19.419			
Pb		208	1039.1671	39894215	ug/L	20.62			
Bi		209	1734399.4		ug/L				
Se		77	937.64692	118229.6	mg/L	30.965			
Se		78	919.90439	402109.1	mg/L	1.803			
Se		82	865.78347	169113.2	mg/L	10.629			
QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.247							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.066
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.453
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.339
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102615.01 MSD
Sample Date/Time Monday August 29 2011 21:08:07
Autosampl Position: 42
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MSD.18757
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9585.051		ug/L						
Be	9	993.94993	341060.7	ug/L	2.895					
B	10	7.679308	657.364	ug/L	0.034					
B	11	7.312938	3021.199	ug/L	0.062					
C	12	4790350		ug/L						
Na	23	11988.586	69320205	ug/L	64.318					
Mg	24	13300.42	49325861	ug/L	31.213					
Mg	25	12902.359	6894705	ug/L	79.219					
Al	27	15873.378	93934718	ug/L	185.825					
Si	28	7366443.8		ug/L						
P	31	17815.444	5184466	ug/L	15.049					
S	32	79766913		ug/L						
Cl	35	21599986		ug/L						
K	39	12114.252	1.12E+08	ug/L	95.888					
Ca	44	73836.124	20741578	ug/L	907.072					
Sc	45	168761.39		ug/L						
Ti	47	212.88029	160233.1	ug/L	0.513					
Ti	48	262.62415	2042162	ug/L	4.312					
V	51	977.57964	10213439	ug/L	7.745					
ClO	51	10494654		ug/L						
Cr	52	964.02969	8455879	ug/L	1.131					
Cr	53	856.48857	942214.5	ug/L	3.075					
Fe	54	18496.909	11127482	ug/L	54.212					
Mn	55	1153.1551	16049945	ug/L	15.55					
Fe	56	18682.874	2.03E+08	ug/L	564.3					
Fe	57	19630.139	4914821	ug/L	354.829					
Co	59	941.21022	10028892	ug/L	4.39					
Ni	60	766.18465	1922592	ug/L	3.23					
Ni	62	777.22749	294626.8	ug/L	2.144					
Cu	63	1203.728	6420904	ug/L	6.11					
Zn	64	1607.2819	4236293	ug/L	15.486					
Cu	65	1213.8193	3138458	ug/L	16.76					
Zn	66	1643.6122	2529669	ug/L	42.057					
Zn	68	1530.4042	1709213	ug/L	21.382					
Ge	72	154603.54		ug/L						
As	75	989.30161	1599148	ug/L	4.437					
Se	74	-38.99951	22132.48	mg/L	12.798					
ArCl	77	125075.13		ug/L						

Br	79	13747.195		ug/L		
Br	81	31946.02		ug/L		
Y	89	489463.73		ug/L		
Mo	95	1134.5695	4505145	ug/L	11.098	
Rh	103	380570.66		ug/L		
Ag	107	958.34494	11321009	ug/L	2.398	
Ag	109	939.7724	10667577	ug/L	15.92	
Cd	111	1040.5707	3197183	ug/L	12.62	
Cd	114	1036.34	7369440	ug/L	18.87	
In	115	516645.67		ug/L		
Sb	121	1148.8205	11570160	ug/L	39.834	
Sb	123	1127.7946	8741217	ug/L	36.924	
Ba	137	1380.0468	6885254	ug/L	3.909	
Ba	138	1397.3408	44501558	ug/L	29.523	
Tb	159	617723.31		ug/L		
Ho	165	587316.89		ug/L		
Hg	200	2.264774	4829.664	ug/L	0.007	
Hg	202	2.278808	6388.641	ug/L	0.012	
Tl	205	1072.6061	29147691	ug/L	0.467	
Pb	208	1078.2566	40631255	ug/L	5.521	
Bi	209	1758351.2		ug/L		
Se	77	951.07781	119912.3	mg/L	0.29	
Se	78	925.50456	404462.9	mg/L	9.141	
Se	82	876.58383	171222.9	mg/L	1.881	

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.397							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.8
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.174
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.697
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 21:14:33
Autosampl Position: 43
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18758
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8756.215		ug/L						
Be	9	0.057017	31.667	ug/L	0.008					
B	10	0.281399	91.335	ug/L	0.045					
B	11	0.518916	463.683	ug/L	0.023					
C	12	487804.4		ug/L						
Na	23	17.865133	107128.2	ug/L	0.319					
Mg	24	1.950789	7156.87	ug/L	0.07					
Mg	25	1.967666	1050.166	ug/L	0.061					
Al	27	4.68117	29387.02	ug/L	0.187					
Si	28	126074.49		ug/L						
P	31	1.253635	7924.247	ug/L	1.949					
S	32	73276708		ug/L						
Cl	35	9843852.4		ug/L						
K	39	18.599004	947722.5	ug/L	2.707					
Ca	44	-23.84921	41391.48	ug/L	5.07					
Sc	45	156126.97		ug/L						
Ti	47	0.17828	315.342	ug/L	0.021					
Ti	48	0.398426	-735.356	ug/L	0.013					
V	51	1.659318	47138.7	ug/L	0.101					
ClO	51	48494.151		ug/L						
Cr	52	0.115413	7560.068	ug/L	0.006					
Cr	53	4.744943	15258.62	ug/L	0.024					
Fe	54	19.629865	57173.61	ug/L	0.094					
Mn	55	-0.096585	2283.31	ug/L	0.004					
Fe	56	30.909024	2870504	ug/L	18.024					
Fe	57	12.404554	11364.9	ug/L	1.793					
Co	59	0.065941	752.039	ug/L	0.001					
Ni	60	0.110771	315.009	ug/L	0.001					
Ni	62	0.106229	80.001	ug/L	0.038					
Cu	63	0.243433	1357.115	ug/L	0.009					
Zn	64	3.217468	8762.529	ug/L	0.08					
Cu	65	0.237972	639.362	ug/L	0.016					
Zn	66	3.290395	5244.232	ug/L	0.006					
Zn	68	3.11764	3722.799	ug/L	0.083					
Ge	72	148909.67		ug/L						
As	75	0.352542	366.34	ug/L	0.049					
Se	74	43.646011	16435.4	mg/L	4.461					
ArCl	77	778.374		ug/L						

Br		79	2020.245	ug/L					
Br		81	18617.236	ug/L					
Y		89	393775.8	ug/L					
Mo		95	2.191254	8483.404	ug/L	0.266			
Rh		103	399586.9	ug/L					
Ag		107	4.566385	55154.98	ug/L	0.306			
Ag		109	4.525418	52500.14	ug/L	0.389			
Cd		111	0.049737	180.67	ug/L	0.003			
Cd		114	0.025586	606.36	ug/L	0.008			
In		115	523129.63	ug/L					
Sb		121	6.660914	68654.58	ug/L	0.95			
Sb		123	6.629878	52580.75	ug/L	1.014			
Ba		137	0.090149	508.686	ug/L	0.002			
Ba		138	0.092543	3238.294	ug/L	0.003			
Tb		159	616639.78	ug/L					
Ho		165	589303.87	ug/L					
Hg		200	0.023863	70.001	ug/L	0.001			
Hg		202	0.017416	76.334	ug/L	0.001			
Tl		205	0.072276	2334.324	ug/L	0.009			
Pb		208	0.102905	4538.494	ug/L	0.007			
Bi		209	430890.01	ug/L					
Se		77	0.191572	776.033	mg/L	0.12			
Se		78	-4.264704	13666.33	mg/L	0.292			
Se		82	0.878467	162.66	mg/L	0.041			

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	86.405							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.567
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.256
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.99
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 21:20:58
Autosampl Position: 44
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18759
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8086.261		ug/L						
Be	9	0.013449	17.667	ug/L	0.001					
B	10	0.332854	94.001	ug/L	0.187					
B	11	0.514968	458.016	ug/L	0.139					
C	12	425645.38		ug/L						
Na	23	10.78979	68708.89	ug/L	0.722					
Mg	24	1.707949	6269.455	ug/L	0.05					
Mg	25	1.528012	826.787	ug/L	0.006					
Al	27	8.21559	48346.37	ug/L	0.313					
Si	28	95842.121		ug/L						
P	31	2.049215	8064.393	ug/L	3.613					
S	32	75709319		ug/L						
Cl	35	9857583.2		ug/L						
K	39	16.591127	922978.2	ug/L	5.532					
Ca	44	-25.80087	40561	ug/L	6.03					
Sc	45	154938.07		ug/L						
Ti	47	0.090233	252.339	ug/L	0.001					
Ti	48	0.291199	-1499.15	ug/L	0.009					
V	51	1.487319	45121.49	ug/L	0.143					
ClO	51	46342.62		ug/L						
Cr	52	0.121808	7548.921	ug/L	0.037					
Cr	53	4.374645	14761.79	ug/L	0.58					
Fe	54	13.625451	53415.67	ug/L	2.111					
Mn	55	-0.140205	1704.844	ug/L	0.013					
Fe	56	34.218052	2881393	ug/L	10.47					
Fe	57	5.125021	9612.71	ug/L	0.091					
Co	59	0.010078	199.671	ug/L	0.001					
Ni	60	0.127143	350.01	ug/L	0.008					
Ni	62	0.139339	91.001	ug/L	0.011					
Cu	63	0.137333	826.713	ug/L	0.011					
Zn	64	3.213052	8682.216	ug/L	0.116					
Cu	65	0.143291	410.347	ug/L	0.004					
Zn	66	3.277761	5181.528	ug/L	0.19					
Zn	68	3.155118	3730.469	ug/L	0.179					
Ge	72	149142.87		ug/L						
As	75	0.092874	-38.34	ug/L	0.019					
Se	74	46.877758	16259.22	mg/L	29.743					
ArCl	77	726.37		ug/L						

Br	79	1649.166	ug/L						
Br	81	18226.437	ug/L						
Y	89	393962.74	ug/L						
Mo	95	0.64581	2574.724	ug/L	0.038				
Rh	103	396774.62	ug/L						
Ag	107	1.150383	14235.67	ug/L	0.097				
Ag	109	1.167484	13844.72	ug/L	0.092				
Cd	111	0.013789	68.334	ug/L	0.001				
Cd	114	-0.015084	312.008	ug/L	0.003				
In	115	519958.9	ug/L						
Sb	121	1.926797	20288.19	ug/L	0.074				
Sb	123	1.961359	15874.55	ug/L	0.075				
Ba	137	0.085535	482.351	ug/L	0.001				
Ba	138	0.087679	3061.91	ug/L	0.004				
Tb	159	623787.47	ug/L						
Ho	165	597326.01	ug/L						
Hg	200	0.010923	43.001	ug/L	0				
Hg	202	0.008441	52.001	ug/L	0.004				
Tl	205	0.014409	767.707	ug/L	0				
Pb	208	0.046491	2439.153	ug/L	0				
Bi	209	421331.97	ug/L						
Se	77	-0.255428	720.029	mg/L	0.572				
Se	78	-4.041629	13760.09	mg/L	0.868				
Se	82	0.33959	57.396	mg/L	0.042				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	85.747							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.699
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.727
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.175
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 21:27:24
Autosampl Position: 45
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18760
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7676.574		ug/L						
Be	9	0.008235	16.334	ug/L	0.01					
B	10	-0.380024	45.667	ug/L	0.009					
B	11	-0.170512	229.672	ug/L	0.074					
C	12	400734.44		ug/L						
Na	23	0.271346	13197.56	ug/L	0.042					
Mg	24	0.242416	1306.891	ug/L	0.012					
Mg	25	0.176292	166.685	ug/L	0.076					
Al	27	0.136498	4568.271	ug/L	0.023					
Si	28	71057.048		ug/L						
P	31	-3.358434	6763.213	ug/L	3.373					
S	32	76679119		ug/L						
Cl	35	8899458.7		ug/L						
K	39	5.676998	847425.9	ug/L	0.324					
Ca	44	-44.64683	36413.1	ug/L	2.53					
Sc	45	157845.21		ug/L						
Ti	47	-0.015628	182.67	ug/L	0.015					
Ti	48	0.208849	-2126.17	ug/L	0.003					
V	51	1.141851	42629.48	ug/L	0.009					
ClO	51	43643.28		ug/L						
Cr	52	0.076275	7322.922	ug/L	0.013					
Cr	53	3.252517	13909.11	ug/L	0.02					
Fe	54	-0.002004	46806.9	ug/L	0.229					
Mn	55	-0.197096	999.732	ug/L	0.005					
Fe	56	21.577742	2810921	ug/L	2.078					
Fe	57	-2.256491	8067.719	ug/L	0.85					
Co	59	0.003404	137.002	ug/L	0					
Ni	60	0.004747	69.668	ug/L	0					
Ni	62	0.00643	45.667	ug/L	0.001					
Cu	63	0.02557	285.674	ug/L	0.002					
Zn	64	0.229925	1498.012	ug/L	0.019					
Cu	65	0.030856	146.003	ug/L	0.01					
Zn	66	0.240121	911.722	ug/L	0.008					
Zn	68	0.205277	723.369	ug/L	0.012					
Ge	72	148372.02		ug/L						
As	75	0.04676	-109.742	ug/L	0.013					
Se	74	88.919589	13679.54	mg/L	44.751					
ArCl	77	668.698		ug/L						

Br	79	2220.294	ug/L						
Br	81	18269.188	ug/L						
Y	89	389762.69	ug/L						
Mo	95	0.240888	1019.401	ug/L	0.001				
Rh	103	397937.63	ug/L						
Ag	107	0.235092	3306.97	ug/L	0.022				
Ag	109	0.23693	3168.254	ug/L	0.032				
Cd	111	0.003122	35	ug/L	0.003				
Cd	114	-0.035815	161.67	ug/L	0.005				
In	115	514317.87	ug/L						
Sb	121	0.794277	8704.252	ug/L	0.005				
Sb	123	0.788458	6645.351	ug/L	0.017				
Ba	137	0.008323	93.668	ug/L	0				
Ba	138	0.008983	534.557	ug/L	0				
Tb	159	619901.32	ug/L						
Ho	165	596562.24	ug/L						
Hg	200	0.004606	29.334	ug/L	0.002				
Hg	202	0.000164	28.334	ug/L	0.001				
Tl	205	0.000848	392.346	ug/L	0				
Pb	208	0.005703	875.025	ug/L	0				
Bi	209	434504.14	ug/L						
Se	77	-1.213278	600.02	mg/L	0.09				
Se	78	-5.773433	13032.19	mg/L	0.062				
Se	82	0.202859	30.687	mg/L	0.075				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	87.356							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.261
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.786
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.062
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: BLK
Sample Date/Time Monday August 29 2011 21:33:50
Autosampl Position: 46
Sample Descriptior 23-Aug A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\BLK.18761
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7967.493		ug/L						
Be	9	-0.010968	11	ug/L	0.012					
B	10	-0.165521	65.668	ug/L	0.114					
B	11	-0.002805	310.342	ug/L	0.041					
C	12	592249.06		ug/L						
Na	23	0.769645	17141.2	ug/L	0.05					
Mg	24	0.643375	2910.758	ug/L	0.043					
Mg	25	0.633975	426.719	ug/L	0.038					
Al	27	0.700186	8291.275	ug/L	0.009					
Si	28	84354.724		ug/L						
P	31	5.505888	9886.371	ug/L	2.637					
S	32	78930095		ug/L						
Cl	35	12694785		ug/L						
K	39	-0.451559	857034.8	ug/L	1.369					
Ca	44	-50.07168	37725.22	ug/L	4.198					
Sc	45	170231.3		ug/L						
Ti	47	0.006737	214.005	ug/L	0.009					
Ti	48	0.263675	-1861.07	ug/L	0.014					
V	51	1.361426	48281.71	ug/L	0.008					
ClO	51	49847.133		ug/L						
Cr	52	0.053938	7698.236	ug/L	0.025					
Cr	53	4.216905	16056.33	ug/L	0.154					
Fe	54	6.09173	54152.46	ug/L	1.544					
Mn	55	-0.208038	924.056	ug/L	0.003					
Fe	56	13.519863	2943758	ug/L	7.317					
Fe	57	-2.37874	8668.331	ug/L	0.863					
Co	59	-0.000906	101.335	ug/L	0.001					
Ni	60	0.006031	78.334	ug/L	0.002					
Ni	62	0.020073	54.334	ug/L	0.038					
Cu	63	0.020808	282.341	ug/L	0.003					
Zn	64	0.444878	2186.853	ug/L	0					
Cu	65	0.02399	139.669	ug/L	0.007					
Zn	66	0.455929	1318.109	ug/L	0.009					
Zn	68	0.404313	1004.399	ug/L	0.008					
Ge	72	153989.25		ug/L						
As	75	-0.008615	-202.813	ug/L	0.01					
Se	74	12.458309	18901.42	mg/L	20.443					
ArCl	77	879.718		ug/L						

Br		79	1411.457	ug/L						
Br		81	18459.587	ug/L						
Y		89	413198.27	ug/L						
Mo		95	0.164897	757.373	ug/L	0.011				
Rh		103	424851.05	ug/L						
Ag		107	0.137337	2319.32	ug/L	0.02				
Ag		109	0.14406	2278.975	ug/L	0.013				
Cd		111	-0.000094	27	ug/L	0.002				
Cd		114	-0.036197	171.003	ug/L	0.001				
In		115	553715.31	ug/L						
Sb		121	0.541872	6645.161	ug/L	0.007				
Sb		123	0.536032	5055.857	ug/L	0.012				
Ba		137	0.007515	96.335	ug/L	0.003				
Ba		138	0.006161	478.562	ug/L	0.001				
Tb		159	665979.72	ug/L						
Ho		165	633604.68	ug/L						
Hg		200	0.001925	25	ug/L	0.003				
Hg		202	-0.002416	22.334	ug/L	0.001				
Tl		205	-0.003109	300.675	ug/L	0.001				
Pb		208	-0.000067	694.684	ug/L	0				
Bi		209	458995.29	ug/L						
Se		77	0.361861	797.369	mg/L	0.813				
Se		78	-4.282038	13659.05	mg/L	0.387				
Se		82	0.079032	6.499	mg/L	0.075				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	94.21								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.451
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.357
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.53
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Monday August 29 2011 21:40:17
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.18762
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7445.715		ug/L						
Be	9	-0.00521	12.333	ug/L	0.008					
B	10	-0.176602	62.001	ug/L	0.086					
B	11	-0.160292	240.339	ug/L	0.018					
C	12	361787.48		ug/L						
Na	23	0.379187	14192.49	ug/L	0.13					
Mg	24	0.156181	1036.83	ug/L	0.03					
Mg	25	0.094354	130.014	ug/L	0.037					
Al	27	0.056126	4251.42	ug/L	0.005					
Si	28	64447.598		ug/L						
P	31	-1.084982	7590.611	ug/L	3.853					
S	32	77201320		ug/L						
Cl	35	8695011.4		ug/L						
K	39	2.592286	845794.3	ug/L	2.957					
Ca	44	-54.61963	34830.08	ug/L	2.317					
Sc	45	162717.59		ug/L						
Ti	47	-0.029827	178.004	ug/L	0					
Ti	48	0.215965	-2136.95	ug/L	0.01					
V	51	0.867775	41164.06	ug/L	0.16					
ClO	51	42295.59		ug/L						
Cr	52	0.043845	7268.072	ug/L	0.046					
Cr	53	2.31891	13349.93	ug/L	0.535					
Fe	54	1.150068	48960.29	ug/L	4.134					
Mn	55	-0.201475	972.729	ug/L	0.004					
Fe	56	10.7678	2783701	ug/L	12.798					
Fe	57	-3.936624	7910.899	ug/L	0.296					
Co	59	-0.001337	92.668	ug/L	0.001					
Ni	60	0.009684	84.001	ug/L	0.005					
Ni	62	0.027768	55.001	ug/L	0.019					
Cu	63	0.040355	370.345	ug/L	0.002					
Zn	64	0.016106	1001.433	ug/L	0.011					
Cu	65	0.044445	184.337	ug/L	0					
Zn	66	0.009288	597.026	ug/L	0.012					
Zn	68	0.007979	533.021	ug/L	0.015					
Ge	72	142906.47		ug/L						
As	75	0.040398	-114.884	ug/L	0.04					
Se	74	-20.53997	19410.33	mg/L	7.17					
ArCl	77	640.029		ug/L						

Br		79	1745.852	ug/L					
Br		81	17773.869	ug/L					
Y		89	378725.18	ug/L					
Mo		95	0.109817	500.685	ug/L	0.006			
Rh		103	391920.6	ug/L					
Ag		107	0.050913	1122.083	ug/L	0.024			
Ag		109	0.050988	1049.072	ug/L	0.016			
Cd		111	-0.00034	24	ug/L	0.002			
Cd		114	-0.039975	130.002	ug/L	0.002			
In		115	505702.12	ug/L					
Sb		121	0.337044	4050.276	ug/L	0.008			
Sb		123	0.342268	3148.475	ug/L	0			
Ba		137	0.002706	64.668	ug/L	0.003			
Ba		138	0.004256	378.216	ug/L	0.001			
Tb		159	622666.14	ug/L					
Ho		165	592735.69	ug/L					
Hg		200	0.000521	20.334	ug/L	0.003			
Hg		202	-0.002146	21.667	ug/L	0			
Tl		205	-0.002533	297.008	ug/L	0.001			
Pb		208	0.007871	951.362	ug/L	0.002			
Bi		209	450496.54	ug/L					
Se		77	-1.160064	606.687	mg/L	0.557			
Se		78	-4.769647	13454.1	mg/L	0.011			
Se		82	0.166969	23.676	mg/L	0.102			

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.052							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	81.157
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.349
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.497
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Monday August 29 2011 21:47:12
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.18763
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7400.346		ug/L						
Be	9	88.512994	28385.2	ug/L	1.936					
B	10	86.589125	6180.829	ug/L	0.996					
B	11	86.204635	30167.63	ug/L	0.27					
C	12	380528.33		ug/L						
Na	23	108.1136	595740.9	ug/L	0.084					
Mg	24	116.5261	404144.2	ug/L	2.923					
Mg	25	112.72972	56349.72	ug/L	2.978					
Al	27	110.52452	614734.3	ug/L	3.38					
Si	28	215222.98		ug/L						
P	31	1.182011	7971.002	ug/L	5.511					
S	32	77081311		ug/L						
Cl	35	8348923.4		ug/L						
K	39	1115.639	10369245	ug/L	30.859					
Ca	44	63.380814	64635.41	ug/L	8.643					
Sc	45	157696.46		ug/L						
Ti	47	98.561933	69419.79	ug/L	0.649					
Ti	48	99.824819	723002.6	ug/L	1.296					
V	51	96.407261	969239.7	ug/L	2.738					
ClO	51	989527.93		ug/L						
Cr	52	96.371946	795528.9	ug/L	3.571					
Cr	53	93.084833	105077.5	ug/L	3.731					
Fe	54	106.08949	106040	ug/L	12.565					
Mn	55	95.562988	1245765	ug/L	2.49					
Fe	56	110.53826	3695349	ug/L	19.29					
Fe	57	100.91775	32136.58	ug/L	5.956					
Co	59	94.06711	936222.5	ug/L	3.402					
Ni	60	85.821288	201193.7	ug/L	2.796					
Ni	62	86.129786	30529.49	ug/L	3.87					
Cu	63	93.411918	465582.4	ug/L	2.692					
Zn	64	86.045969	212765.3	ug/L	1.332					
Cu	65	92.924946	224466.6	ug/L	3.886					
Zn	66	87.372198	126172.5	ug/L	1.68					
Zn	68	86.551335	90785.98	ug/L	1.768					
Ge	72	144544.2		ug/L						
As	75	107.09402	161673.7	ug/L	1.363					
Se	74	22.153753	17182.16	mg/L	8.204					
ArCl	77	11852.841		ug/L						

Br	79	1845.54	ug/L			
Br	81	17739.468	ug/L			
Y	89	384840.99	ug/L			
Mo	95	101.27307	376132.8	ug/L	2.579	
Rh	103	388829.39	ug/L			
Ag	107	48.946619	575705.5	ug/L	1.57	
Ag	109	51.748377	584858.7	ug/L	5.73	
Cd	111	100.48658	307193.7	ug/L	0.303	
Cd	114	101.66396	719648.3	ug/L	1.075	
In	115	513964.01	ug/L			
Sb	121	96.054073	963246.1	ug/L	5.775	
Sb	123	95.056201	733586.2	ug/L	4.927	
Ba	137	105.71094	524726.2	ug/L	0.778	
Ba	138	106.16424	3364190	ug/L	0.961	
Tb	159	622581.75	ug/L			
Ho	165	595733.33	ug/L			
Hg	200	1.045053	2270.973	ug/L	0.003	
Hg	202	1.036283	2962.179	ug/L	0.01	
Tl	205	106.87853	2946314	ug/L	0.142	
Pb	208	100.32374	3834130	ug/L	4.997	
Bi	209	428505.49	ug/L			
Se	77	91.096433	12165.48	mg/L	5.335	
Se	78	81.166972	49574.6	mg/L	0.565	
Se	82	83.137493	16231.14	mg/L	1.064	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	87.637							
|	B	86.33							
|	B	85.947							
|	C								
|	Na	106.726							
|	Mg	115.372							
|	Mg	111.614							
|	Al	110.084							
|	Si								
|	P								
|	S								
|	Cl								
|	K	111.23							
|	Ca	62.815							
|>	Sc	87.273							
|	Ti	98.562							
|	Ti	99.825							
|	V	96.023							
|	ClO								
|	Cr	95.418							

	Cr	92.163
	Fe	105.457
	Mn	95.182
	Fe	109.879
	Fe	100.316
	Co	93.506
	Ni	85.14
	Ni	85.446
	Cu	93.505
	Zn	85.448
	Cu	93.018
	Zn	86.765
-	Zn	85.95
>	Ge	82.088
	As	107.74
	Se	22.11
	ArCl	
	Br	
	Br	
	Y	
-	Mo	100.97
-	Rh	
	Ag	48.558
	Ag	51.338
	Cd	99.987
	Cd	101.158
>	In	85.727
	Sb	95.767
	Sb	94.772
	Ba	104.976
-	Ba	105.426
-	Tb	
>	Ho	87.939
	Hg	104.505
	Hg	103.628
	Tl	106.879
	Pb	100.324
-	Bi	
	Se	90.915
	Se	81.005
	Se	82.972

Sample ID: QC Std 5
Sample Date/Time Monday August 29 2011 21:54:06
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.18764
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7493.755		ug/L						
Be	9	36.067031	12094.83	ug/L	0.13					
B	10	137.4882	10209.83	ug/L	1.472					
B	11	136.24996	49639.4	ug/L	3.259					
C	12	378395.94		ug/L						
Na	23	3.867912	34067.11	ug/L	0.059					
Mg	24	0.336227	1703.663	ug/L	0.009					
Mg	25	0.359686	270.031	ug/L	0.111					
Al	27	187.95391	1089603	ug/L	3.115					
Si	28	111753.94		ug/L						
P	31	-0.143317	7967.629	ug/L	2.415					
S	32	78414381		ug/L						
Cl	35	7870853.1		ug/L						
K	39	2.976219	860149.5	ug/L	1.079					
Ca	44	-53.90072	35462.59	ug/L	4.645					
Sc	45	164735.28		ug/L						
Ti	47	0.214818	359.344	ug/L	0.087					
Ti	48	0.513099	92.916	ug/L	0.046					
V	51	23.328696	270009.1	ug/L	0.206					
ClO	51	277447.53		ug/L						
Cr	52	45.677377	397743	ug/L	0.262					
Cr	53	44.546727	58320.72	ug/L	0.796					
Fe	54	190.58843	160242.3	ug/L	7.634					
Mn	55	98.735585	1344896	ug/L	0.254					
Fe	56	191.68384	4710739	ug/L	0.318					
Fe	57	177.11432	52177.85	ug/L	0.862					
Co	59	21.72469	226050.5	ug/L	0.186					
Ni	60	167.97125	411406.6	ug/L	4.812					
Ni	62	166.89231	61783.19	ug/L	3.74					
Cu	63	70.038749	364803.7	ug/L	1.455					
Zn	64	85.691815	221384.1	ug/L	0.824					
Cu	65	70.176616	177183.8	ug/L	1.056					
Zn	66	87.522869	132057.2	ug/L	0.774					
Zn	68	88.029612	96476.91	ug/L	0.283					
Ge	72	149878.75		ug/L						
As	75	42.575753	66540.78	ug/L	0.392					
Se	74	7.444016	18688.6	mg/L	39.126					
ArCl	77	19047.793		ug/L						

Br	79	1827.202	ug/L			
Br	81	18946.58	ug/L			
Y	89	399534.8	ug/L			
Mo	95	42.341884	163071.8	ug/L	1.793	
Rh	103	412154.5	ug/L			
Ag	107	46.819522	589772.8	ug/L	1.515	
Ag	109	49.909921	603673.6	ug/L	4.882	
Cd	111	21.675369	70988.46	ug/L	0.564	
Cd	114	21.957988	166805.8	ug/L	0.692	
In	115	550618.22	ug/L			
Sb	121	47.925289	515094.6	ug/L	1.559	
Sb	123	48.148784	398226.2	ug/L	1.7	
Ba	137	139.52	741619.8	ug/L	4.896	
Ba	138	141.04781	4786895	ug/L	3.541	
Tb	159	646987.15	ug/L			
Ho	165	615563.83	ug/L			
Hg	200	1.087071	2440.352	ug/L	0.037	
Hg	202	1.044432	3084.221	ug/L	0.023	
Tl	205	13.972889	398339.9	ug/L	0.061	
Pb	208	103.49834	4088291	ug/L	0.033	
Bi	209	462225.31	ug/L			
Se	77	141.40066	18468.08	mg/L	5.082	
Se	78	137.52621	73263.27	mg/L	3.566	
Se	82	133.18832	26008.07	mg/L	1.768	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	84.664							
|	B	85.93							
|	B	85.156							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	106.792							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.169							
|	Ti								
|	Ti								
|	V	93.69							
|	ClO								
|	Cr	92.84							

	Cr	90.542
	Fe	106.474
	Mn	93.147
	Fe	107.086
	Fe	98.947
	Co	93.239
	Ni	82.339
	Ni	81.81
	Cu	89.564
	Zn	81.611
	Cu	89.74
	Zn	83.355
-	Zn	83.838
>	Ge	85.117
	As	108.06
	Se	4.653
	ArCl	
	Br	
	Br	
	Y	
-	Mo	101.055
-	Rh	
	Ag	93.081
	Ag	99.224
	Cd	93.428
	Cd	94.646
>	In	91.841
	Sb	103.065
	Sb	103.546
	Ba	98.95
-	Ba	100.034
-	Tb	
>	Ho	90.867
	Hg	108.707
	Hg	104.443
	Tl	98.401
	Pb	99.518
-	Bi	
	Se	88.375
	Se	85.954
	Se	83.243

Sample ID: QC Std 6
Sample Date/Time Monday August 29 2011 22:01:01
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18765
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7715.273		ug/L						
Be	9	-0.005781	13.333	ug/L	0.003					
B	10	0.208621	98.335	ug/L	0.002					
B	11	0.388351	477.351	ug/L	0.161					
C	12	387610.43		ug/L						
Na	23	9988.666	60892642	ug/L	83.108					
Mg	24	10280.352	40195754	ug/L	73.73					
Mg	25	10034.608	5653192	ug/L	221.269					
Al	27	10137.087	63248309	ug/L	41.028					
Si	28	59993.342		ug/L						
P	31	10776.507	3309615	ug/L	105.856					
S	32	71194394		ug/L						
Cl	35	7105637.8		ug/L						
K	39	9614.9219	93997831	ug/L	241.967					
Ca	44	9350.2909	2816630	ug/L	72.893					
Sc	45	177920.2		ug/L						
Ti	47	21.457367	17222.81	ug/L	0.419					
Ti	48	7.113372	54323.77	ug/L	0.371					
V	51	-0.315123	32055.07	ug/L	0.015					
ClO	51	33053.979		ug/L						
Cr	52	-0.048737	7099.078	ug/L	0.018					
Cr	53	-1.326501	10431.42	ug/L	0.022					
Fe	54	9798.5775	6239527	ug/L	45.344					
Mn	55	-0.148196	1843.873	ug/L	0.011					
Fe	56	9392.8393	1.09E+08	ug/L	288.357					
Fe	57	10037.497	2654474	ug/L	151.226					
Co	59	0.024168	387.679	ug/L	0					
Ni	60	0.199464	593.692	ug/L	0.014					
Ni	62	0.051156	69.334	ug/L	0.017					
Cu	63	0.183912	1212.426	ug/L	0.006					
Zn	64	0.436146	2261.344	ug/L	0.006					
Cu	65	0.116364	397.679	ug/L	0.012					
Zn	66	0.378038	1251.432	ug/L	0.008					
Zn	68	0.269342	890.719	ug/L	0.04					
Ge	72	149156.36		ug/L						
As	75	0.069044	-75.075	ug/L	0.048					
Se	74	130.60466	11302.83	mg/L	83.297					
ArCl	77	618.361		ug/L						

Br	79	1886.882	ug/L				
Br	81	17757.838	ug/L				
Y	89	392107.7	ug/L				
Mo	95	0.30107	1255.767	ug/L	0.04		
Rh	103	369749.77	ug/L				
Ag	107	0.250034	3489.385	ug/L	0.062		
Ag	109	0.263509	3475.378	ug/L	0.061		
Cd	111	0.010046	56.334	ug/L	0.003		
Cd	114	-0.025251	237.005	ug/L	0.001		
In	115	515548.87	ug/L				
Sb	121	0.916314	9949.567	ug/L	0.1		
Sb	123	0.922077	7693.263	ug/L	0.096		
Ba	137	0.050057	301.675	ug/L	0		
Ba	138	0.048938	1805.782	ug/L	0		
Tb	159	616703.67	ug/L				
Ho	165	595857.55	ug/L				
Hg	200	0.012051	45.334	ug/L	0.002		
Hg	202	0.011698	61.001	ug/L	0.002		
Tl	205	0.002427	435.348	ug/L	0.002		
Pb	208	0.032045	1880.762	ug/L	0.002		
Bi	209	437131.37	ug/L				
Se	77	-1.245206	596.02	mg/L	0.075		
Se	78	-6.140684	12877.83	mg/L	0.778		
Se	82	0.201791	30.478	mg/L	0.021		

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	99.887							
|	Mg	102.804							
|	Mg	100.346							
|	Al	101.371							
|	Si								
|	P	107.765							
|	S								
|	Cl								
|	K	96.149							
|	Ca	93.503							
|>	Sc	98.466							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	97.986
	Mn	
	Fe	93.928
	Fe	100.375
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.707
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.991
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.958
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: Ag LCS
Sample Date/Time Monday August 29 2011 22:07:57
Autosampl Position: 47
Sample Descriptior 23-Aug A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata LCS.18766
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7608.516		ug/L						
Be	9	-0.007592	11.333	ug/L	0.003					
B	10	0.102395	80.334	ug/L	0.091					
B	11	0.328449	405.68	ug/L	0.018					
C	12	525969.67		ug/L						
Na	23	1.581904	20428.3	ug/L	0.048					
Mg	24	0.61367	2613.972	ug/L	0.057					
Mg	25	0.578029	370.045	ug/L	0.071					
Al	27	0.944505	9105.468	ug/L	0.012					
Si	28	72774.044		ug/L						
P	31	-4.149474	6596.385	ug/L	0.282					
S	32	74875744		ug/L						
Cl	35	8411312.2		ug/L						
K	39	4.29251	841484.9	ug/L	1.73					
Ca	44	-50.16776	35214.92	ug/L	1.403					
Sc	45	158979.42		ug/L						
Ti	47	-0.013208	185.67	ug/L	0.004					
Ti	48	0.257835	-1781.39	ug/L	0.018					
V	51	0.325991	34933.01	ug/L	0.024					
ClO	51	35766.249		ug/L						
Cr	52	0.033993	7026.932	ug/L	0.01					
Cr	53	0.73127	11428.97	ug/L	0.328					
Fe	54	1.75888	48135.51	ug/L	0.465					
Mn	55	-0.21886	721.369	ug/L	0.003					
Fe	56	19.199258	2807050	ug/L	1.549					
Fe	57	1.922271	9108.806	ug/L	1.149					
Co	59	-0.003266	71.001	ug/L	0.001					
Ni	60	0.01876	103.335	ug/L	0.005					
Ni	62	0.016656	49.667	ug/L	0.016					
Cu	63	0.013557	227.338	ug/L	0.002					
Zn	64	1.061685	3573.09	ug/L	0.043					
Cu	65	0.019371	119.002	ug/L	0.004					
Zn	66	1.081521	2137.939	ug/L	0.013					
Zn	68	0.976302	1539.479	ug/L	0.023					
Ge	72	147658.85		ug/L						
As	75	-0.04864	-256.277	ug/L	0.003					
Se	74	27.996251	17212.57	mg/L	25.26					
ArCl	77	656.697		ug/L						

Br		79	1038.07	ug/L						
Br		81	17239.17	ug/L						
Y		89	401171.19	ug/L						
Mo		95	0.099454	478.017	ug/L	0.012				
Rh		103	399473.49	ug/L						
Ag		107	75.114508	903171.6	ug/L	0.212				
Ag		109	75.654061	874174.2	ug/L	0.202				
Cd		111	-0.000641	24	ug/L	0				
Cd		114	-0.041936	121.002	ug/L	0.001				
In		115	525564.86	ug/L						
Sb		121	0.336393	4203.014	ug/L	0.004				
Sb		123	0.335644	3219.579	ug/L	0.004				
Ba		137	0.007666	92.335	ug/L	0.001				
Ba		138	0.009477	562.498	ug/L	0.001				
Tb		159	629069.89	ug/L						
Ho		165	597036.31	ug/L						
Hg		200	0.001677	23	ug/L	0.003				
Hg		202	-0.001023	25	ug/L	0.002				
Tl		205	-0.002495	300.341	ug/L	0.001				
Pb		208	0.000622	681.017	ug/L	0				
Bi		209	447072.76	ug/L						
Se		77	-0.851424	645.356	mg/L	0.602				
Se		78	-5.445836	13169.88	mg/L	0.272				
Se		82	0.174062	25.062	mg/L	0.068				
QC	Calculated Values									
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	87.983								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	83.856
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.662
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.132
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LCS
Sample Date/Time Monday August 29 2011 22:14:24
Autosampl Position: 48
Sample Descriptior 23-Aug A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LCS.18767
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8473.28		ug/L						
Be	9	936.83915	318978.8	ug/L	11.673					
B	10	0.468265	112.002	ug/L	0.126					
B	11	0.253318	399.679	ug/L	0.025					
C	12	1324599.1		ug/L						
Na	23	12076.356	69285225	ug/L	393.425					
Mg	24	12313.435	45312384	ug/L	87.182					
Mg	25	11977.453	6351061	ug/L	15.014					
Al	27	12409.903	72873939	ug/L	362.005					
Si	28	82817.123		ug/L						
P	31	11609.358	3355094	ug/L	239.031					
S	32	76844537		ug/L						
Cl	35	11318368		ug/L						
K	39	11658.306	1.07E+08	ug/L	168.141					
Ca	44	11482.9	3243977	ug/L	171.15					
Sc	45	167454.85		ug/L						
Ti	47	22.336576	16866.13	ug/L	0.244					
Ti	48	9.710588	71203.51	ug/L	0.86					
V	51	994.83995	10312998	ug/L	12.683					
ClO	51	10440733		ug/L						
Cr	52	972.21635	8461631	ug/L	9.094					
Cr	53	861.14074	939925.3	ug/L	5.409					
Fe	54	11483.025	6873458	ug/L	64.883					
Mn	55	977.79048	13505054	ug/L	9.255					
Fe	56	11829.281	1.28E+08	ug/L	565.969					
Fe	57	12354.686	3072898	ug/L	30.712					
Co	59	936.76518	9904069	ug/L	4.909					
Ni	60	770.79317	1919149	ug/L	5.9					
Ni	62	787.50768	296215.1	ug/L	0.923					
Cu	63	841.92123	4456327	ug/L	0.786					
Zn	64	849.42962	2222044	ug/L	4.293					
Cu	65	849.22978	2178909	ug/L	4.258					
Zn	66	818.87832	1250995	ug/L	5.432					
Zn	68	812.72269	900953.2	ug/L	0.499					
Ge	72	147949.37		ug/L						
As	75	999.97429	1546185	ug/L	28.217					
Se	74	-102.1095	24878.56	mg/L	3.94					
ArCl	77	119206.66		ug/L						

Br	79	3685.784	ug/L			
Br	81	20524.682	ug/L			
Y	89	383776.38	ug/L			
Mo	95	1131.3694	4298234	ug/L	14.052	
Rh	103	372919.38	ug/L			
Ag	107	58.93052	674288	ug/L	9.261	
Ag	109	64.633409	710959.6	ug/L	2.514	
Cd	111	1063.7174	3165503	ug/L	1.429	
Cd	114	1075.204	7405897	ug/L	9.858	
In	115	500357.23	ug/L			
Sb	121	1170.8325	11423529	ug/L	21.755	
Sb	123	1164.3858	8742715	ug/L	18.208	
Ba	137	1054.018	5092909	ug/L	3.199	
Ba	138	1075.671	33181839	ug/L	1.045	
Tb	159	609796.75	ug/L			
Ho	165	583266.93	ug/L			
Hg	200	1.088599	2315.318	ug/L	0.011	
Hg	202	1.096974	3068.215	ug/L	0.009	
Tl	205	1068.8167	28844195	ug/L	3.611	
Pb	208	1050.4479	39311207	ug/L	4.917	
Bi	209	429086.25	ug/L			
Se	77	928.13555	117037.9	mg/L	1.387	
Se	78	903.32971	395142.5	mg/L	1.447	
Se	82	853.86412	166784.9	mg/L	5.078	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.674							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.021
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.457
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.099
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 22:20:52
Autosampl Position: 49
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18768
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8023.54		ug/L						
Be	9	0.040214	25.334	ug/L	0.002					
B	10	0.506983	103.002	ug/L	0.076					
B	11	0.612989	477.351	ug/L	0.017					
C	12	408408.96		ug/L						
Na	23	11.377654	69649.41	ug/L	0.762					
Mg	24	2.169752	7590.599	ug/L	0.247					
Mg	25	2.025291	1033.496	ug/L	0.475					
Al	27	3.060531	19736.71	ug/L	0.178					
Si	28	68829.798		ug/L						
P	31	1.567854	7747.496	ug/L	5.603					
S	32	75362266		ug/L						
Cl	35	9743978.2		ug/L						
K	39	15.76329	888292	ug/L	5.414					
Ca	44	-40.6747	35623.22	ug/L	6.087					
Sc	45	150277.13		ug/L						
Ti	47	0.024288	200.338	ug/L	0.018					
Ti	48	0.274431	-1567.95	ug/L	0.008					
V	51	0.830271	37673.62	ug/L	0.108					
ClO	51	38757.163		ug/L						
Cr	52	0.139058	7452.335	ug/L	0.055					
Cr	53	2.382221	12392.9	ug/L	0.324					
Fe	54	23.299843	56897.95	ug/L	7.583					
Mn	55	-0.1124	2002.241	ug/L	0.004					
Fe	56	48.318033	2927668	ug/L	15.321					
Fe	57	14.462622	11384.93	ug/L	3.393					
Co	59	0.046972	543.688	ug/L	0.001					
Ni	60	0.41941	991.397	ug/L	0.028					
Ni	62	0.363541	164.336	ug/L	0.044					
Cu	63	0.207622	1135.416	ug/L	0.012					
Zn	64	1.747212	4979.424	ug/L	0.134					
Cu	65	0.21207	556.023	ug/L	0.004					
Zn	66	1.768397	2957.844	ug/L	0.142					
Zn	68	1.727468	2197.621	ug/L	0.201					
Ge	72	147730.67		ug/L						
As	75	0.244142	196.03	ug/L	0.119					
Se	74	56.909201	15525.87	mg/L	58.058					
ArCl	77	744.705		ug/L						

Br	79	1337.778	ug/L						
Br	81	18382.417	ug/L						
Y	89	388130.54	ug/L						
Mo	95	2.102959	8080.701	ug/L	0.274				
Rh	103	400033.34	ug/L						
Ag	107	0.562475	7187.248	ug/L	0.029				
Ag	109	0.565508	6910.698	ug/L	0.032				
Cd	111	0.050922	182.004	ug/L	0.001				
Cd	114	0.014566	520.687	ug/L	0.003				
In	115	516592.49	ug/L						
Sb	121	5.676724	57890.02	ug/L	0.896				
Sb	123	5.663683	44439.56	ug/L	0.959				
Ba	137	0.081909	461.35	ug/L	0.011				
Ba	138	0.0799	2795.82	ug/L	0.003				
Tb	159	612536.88	ug/L						
Ho	165	595253.25	ug/L						
Hg	200	0.006037	32.334	ug/L	0				
Hg	202	0.005747	44.001	ug/L	0.004				
Tl	205	0.150354	4504.836	ug/L	0.022				
Pb	208	0.104758	4652.852	ug/L	0.012				
Bi	209	418237.95	ug/L						
Se	77	-0.510856	688.026	mg/L	0.271				
Se	78	-4.032204	13764.06	mg/L	0.002				
Se	82	0.703018	128.388	mg/L	0.238				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	83.167							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	83.897
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.165
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.869
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 22:27:18
Autosampl Position: 50
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18769
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8036.891		ug/L						
Be	9	-0.000464	14.333	ug/L	0.008					
B	10	0.148881	87.668	ug/L	0.022					
B	11	0.321282	422.681	ug/L	0.012					
C	12	383760.1		ug/L						
Na	23	6.303004	48339.67	ug/L	0.263					
Mg	24	1.382442	5552.25	ug/L	0.036					
Mg	25	1.411906	826.787	ug/L	0.154					
Al	27	30.878482	184345.3	ug/L	1.255					
Si	28	82591.704		ug/L						
P	31	-1.227216	7777.535	ug/L	5.806					
S	32	74327596		ug/L						
Cl	35	9406139.1		ug/L						
K	39	3.009734	869998.3	ug/L	3.214					
Ca	44	-54.97439	35573.02	ug/L	2.226					
Sc	45	166635.33		ug/L						
Ti	47	-0.00178	203.338	ug/L	0.021					
Ti	48	0.27539	-1732.15	ug/L	0.004					
V	51	0.438906	37752.27	ug/L	0.151					
ClO	51	38908.483		ug/L						
Cr	52	0.034557	7365.384	ug/L	0.035					
Cr	53	1.131946	12401.24	ug/L	0.424					
Fe	54	12.584961	56838.61	ug/L	2.028					
Mn	55	-0.130029	1976.235	ug/L	0.003					
Fe	56	11.349528	2857862	ug/L	9.354					
Fe	57	9.705906	11471.72	ug/L	0.661					
Co	59	0.011461	229.339	ug/L	0					
Ni	60	0.082619	266.673	ug/L	0.005					
Ni	62	0.113883	88.335	ug/L	0.016					
Cu	63	0.31081	1803.864	ug/L	0.001					
Zn	64	1.396017	4613.137	ug/L	0.061					
Cu	65	0.31332	875.384	ug/L	0.003					
Zn	66	1.473454	2834.804	ug/L	0.075					
Zn	68	1.381774	2059.921	ug/L	0.049					
Ge	72	151917.54		ug/L						
As	75	0.03233	-134.844	ug/L	0.027					
Se	74	94.790766	13690.57	mg/L	15.891					
ArCl	77	707.368		ug/L						

Br	79	1387.12	ug/L			
Br	81	17980.945	ug/L			
Y	89	398844.6	ug/L			
Mo	95	0.611749	2490.699	ug/L	0.002	
Rh	103	406880.73	ug/L			
Ag	107	0.337876	4681.919	ug/L	0.008	
Ag	109	0.319891	4256.039	ug/L	0.016	
Cd	111	0.020721	92.001	ug/L	0.004	
Cd	114	-0.028297	223.005	ug/L	0.002	
In	115	533353.96	ug/L			
Sb	121	1.578223	17170.72	ug/L	0.086	
Sb	123	1.591406	13311.86	ug/L	0.074	
Ba	137	0.036171	240.339	ug/L	0.005	
Ba	138	0.034335	1388.115	ug/L	0.001	
Tb	159	632815.55	ug/L			
Ho	165	604726.15	ug/L			
Hg	200	0.005049	30.667	ug/L	0.001	
Hg	202	0.001189	31.667	ug/L	0.001	
Tl	205	0.041314	1529.477	ug/L	0.002	
Pb	208	0.048929	2563.17	ug/L	0.002	
Bi	209	464906.78	ug/L			
Se	77	-1.149422	608.02	mg/L	0.391	
Se	78	-4.150132	13714.49	mg/L	0.842	
Se	82	0.281303	46.01	mg/L	0.124	

QC Calculated Values

	Analyte	QC	Std	% Recovery	Int Std	% Recovery
|-	Li					
|	Be					
|	B					
|	B					
|	C					
|	Na					
|	Mg					
|	Mg					
|	Al					
|	Si					
|	P					
|	S					
|	Cl					
|	K					
|	Ca					
|>	Sc	92.22				
|	Ti					
|	Ti					
|	V					
|	ClO					
|	Cr					

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	86.275
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.961
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.267
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 22:33:44
Autosampl Position: 51
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18770
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7425.7		ug/L						
Be	9	-0.010438	10.333	ug/L	0.017					
B	10	-0.359353	47.334	ug/L	0.026					
B	11	-0.140047	241.339	ug/L	0.024					
C	12	377172.18		ug/L						
Na	23	0.211569	12937.16	ug/L	0.04					
Mg	24	0.222842	1243.543	ug/L	0.038					
Mg	25	0.135365	146.683	ug/L	0.062					
Al	27	4.2866	27671.49	ug/L	0.031					
Si	28	62946.781		ug/L						
P	31	-2.861555	6930	ug/L	0.9					
S	32	75910415		ug/L						
Cl	35	8500536		ug/L						
K	39	3.620368	833537.8	ug/L	1.971					
Ca	44	-53.71868	34190.92	ug/L	1.963					
Sc	45	158594.32		ug/L						
Ti	47	-0.058937	153.003	ug/L	0.011					
Ti	48	0.194165	-2243.33	ug/L	0.006					
V	51	0.497741	36521.24	ug/L	0.075					
ClO	51	37812.52		ug/L						
Cr	52	0.050181	7141.432	ug/L	0.019					
Cr	53	1.297978	11977.34	ug/L	0.155					
Fe	54	-1.463186	46190.69	ug/L	2.933					
Mn	55	-0.200548	959.06	ug/L	0.001					
Fe	56	17.704633	2784306	ug/L	10.085					
Fe	57	-4.816338	7500.512	ug/L	2.038					
Co	59	0.001974	123.335	ug/L	0					
Ni	60	0.006984	75.334	ug/L	0.003					
Ni	62	0.016017	49.334	ug/L	0.011					
Cu	63	0.016359	240.672	ug/L	0.004					
Zn	64	0.163379	1340.119	ug/L	0.006					
Cu	65	0.018959	117.669	ug/L	0.003					
Zn	66	0.151983	788.375	ug/L	0.014					
Zn	68	0.142073	660.697	ug/L	0.019					
Ge	72	148621.01		ug/L						
As	75	0.044733	-112.991	ug/L	0.059					
Se	74	75.899558	14501.43	mg/L	13.372					
ArCl	77	622.028		ug/L						

Br	79	1890.882	ug/L						
Br	81	18594.852	ug/L						
Y	89	397899.96	ug/L						
Mo	95	0.235644	1001.065	ug/L	0.006				
Rh	103	399866.19	ug/L						
Ag	107	0.085866	1579.153	ug/L	0.008				
Ag	109	0.0881	1512.141	ug/L	0.008				
Cd	111	0.001426	30.334	ug/L	0				
Cd	114	-0.041712	122.002	ug/L	0.001				
In	115	523283.09	ug/L						
Sb	121	0.600905	6883.007	ug/L	0.01				
Sb	123	0.6141	5392.013	ug/L	0.029				
Ba	137	0.003976	73.334	ug/L	0				
Ba	138	0.005965	446.55	ug/L	0.001				
Tb	159	633356.05	ug/L						
Ho	165	603449.79	ug/L						
Hg	200	0.001392	22.667	ug/L	0.003				
Hg	202	-0.001472	24	ug/L	0.001				
Tl	205	0.009107	627.695	ug/L	0.001				
Pb	208	0.00301	780.687	ug/L	0.001				
Bi	209	440161.48	ug/L						
Se	77	-1.053637	620.021	mg/L	0.226				
Se	78	-5.074431	13325.99	mg/L	0.663				
Se	82	0.192673	28.697	mg/L	0.035				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	87.77							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.403
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.281
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.079
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.01
Sample Date/Time Monday August 29 2011 22:40:11
Autosampl Position: 52
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.01.18771
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7665.897		ug/L						
Be	9	0.003281	19.334	ug/L	0.006					
B	10	221.16522	20617.23	ug/L	13.685					
B	11	220.08348	100686	ug/L	14.774					
C	12	933178.76		ug/L						
Na	23	53969.642	3.84E+08	ug/L	1669.441					
Mg	24	23181.779	1.06E+08	ug/L	1592.621					
Mg	25	22691.929	14909246	ug/L	878.538					
Al	27	30.554492	227292.1	ug/L	1.417					
Si	28	27743523		ug/L						
P	31	34.679337	22446.65	ug/L	6.941					
S	32	76241250		ug/L						
Cl	35	10661433		ug/L						
K	39	14685.195	1.67E+08	ug/L	577.891					
Ca	44	52137.873	18012701	ug/L	4003.942					
Sc	45	207661.69		ug/L						
Ti	47	2.382115	2455.69	ug/L	0.128					
Ti	48	47.421558	448299.8	ug/L	7.663					
V	51	0.879946	52683.41	ug/L	0.163					
ClO	51	53769.417		ug/L						
Cr	52	0.762807	17022.31	ug/L	0.069					
Cr	53	-0.535463	13222.74	ug/L	0.365					
Fe	54	37058.258	27353176	ug/L	1154.255					
Mn	55	877.71255	15017829	ug/L	45.088					
Fe	56	37064.913	4.91E+08	ug/L	2096.438					
Fe	57	38474.371	11828872	ug/L	2225.505					
Co	59	2.308939	30382.99	ug/L	0.092					
Ni	60	4.838645	15005.19	ug/L	0.176					
Ni	62	4.025812	1930.558	ug/L	0.418					
Cu	63	0.672695	4620.22	ug/L	0.023					
Zn	64	1.229665	5205.988	ug/L	0.095					
Cu	65	0.2628	930.057	ug/L	0.001					
Zn	66	0.926636	2498.035	ug/L	0.035					
Zn	68	2.666333	4328.073	ug/L	0.169					
Ge	72	147776.74		ug/L						
As	75	131.16301	202498	ug/L	0.627					
Se	74	244.04091	4564.926	mg/L	18.741					
ArCl	77	997.731		ug/L						

Br	79	345223.11	ug/L						
Br	81	381819.23	ug/L						
Y	89	398922.11	ug/L						
Mo	95	0.748825	2942.84	ug/L	0.044				
Rh	103	359568.62	ug/L						
Ag	107	0.081975	1453.131	ug/L	0.007				
Ag	109	0.083977	1389.12	ug/L	0.003				
Cd	111	0.005654	41.334	ug/L	0.004				
Cd	114	-0.019474	267.673	ug/L	0				
In	115	496320.33	ug/L						
Sb	121	0.606006	6576.777	ug/L	0.015				
Sb	123	0.602261	5026.194	ug/L	0.001				
Ba	137	105.29337	504703.3	ug/L	0.291				
Ba	138	106.57917	3261195	ug/L	0.98				
Tb	159	603088.56	ug/L						
Ho	165	581756.77	ug/L						
Hg	200	0.00417	27.667	ug/L	0				
Hg	202	0.000279	28	ug/L	0.002				
Tl	205	0.019882	895.053	ug/L	0				
Pb	208	0.064602	3051.898	ug/L	0.001				
Bi	209	399085.58	ug/L						
Se	77	2.128608	1018.724	mg/L	0.512				
Se	78	-6.768411	12613.98	mg/L	0.595				
Se	82	3.939815	760.664	mg/L	0.366				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	114.925							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	83.923
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	82.784
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	85.876
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.02
Sample Date/Time Monday August 29 2011 22:46:37
Autosampl Position: 53
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.02.18772
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7356.308		ug/L						
Be	9	-0.011578	11.333	ug/L	0.012					
B	10	253.64234	20369	ug/L	1.465					
B	11	257.2002	101393.8	ug/L	2.081					
C	12	751951.16		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	14888.772	58494773	ug/L	37.775					
Mg	25	14751.441	8351890	ug/L	218.013					
Al	27	16.080667	105097.8	ug/L	0.505					
Si	28	19754076		ug/L						
P	31	17.230233	14005.54	ug/L	2.478					
S	32	78103007		ug/L						
Cl	35	11521615		ug/L						
K	39	8010.3264	78850255	ug/L	93.522					
Ca	44	32970.288	9842061	ug/L	16.205					
Sc	45	178775.68		ug/L						
Ti	47	1.369893	1310.774	ug/L	0.08					
Ti	48	23.940608	193323	ug/L	1.884					
V	51	0.597608	42281.89	ug/L	0.036					
ClO	51	43220.989		ug/L						
Cr	52	0.18017	9258.424	ug/L	0.003					
Cr	53	1.04971	13218.41	ug/L	0.101					
Fe	54	1235.5009	836644.8	ug/L	34.745					
Mn	55	2144.2115	31607767	ug/L	37.382					
Fe	56	1234.0404	16931403	ug/L	13.063					
Fe	57	1269.1851	345761.2	ug/L	3.597					
Co	59	4.289458	48525.32	ug/L	0.075					
Ni	60	5.279378	14094.73	ug/L	0.187					
Ni	62	4.762964	1961.231	ug/L	0.077					
Cu	63	1.965767	11283.78	ug/L	0.062					
Zn	64	2.561594	8204.523	ug/L	0.038					
Cu	65	1.068457	3006.527	ug/L	0.036					
Zn	66	2.430937	4602.211	ug/L	0.122					
Zn	68	3.401349	4597.875	ug/L	0.16					
Ge	72	144305.69		ug/L						
As	75	9.093027	13543.6	ug/L	0.054					
Se	74	29.759107	16735.73	mg/L	53.155					
ArCl	77	1055.405		ug/L						

Br	79	241690.69	ug/L						
Br	81	276203.49	ug/L						
Y	89	384497.65	ug/L						
Mo	95	14.017413	52047.08	ug/L	0.159				
Rh	103	372667.02	ug/L						
Ag	107	0.066299	1303.106	ug/L	0.004				
Ag	109	0.064701	1204.425	ug/L	0.003				
Cd	111	0.044511	159.336	ug/L	0.001				
Cd	114	0.002681	428.014	ug/L	0.001				
In	115	507044.27	ug/L						
Sb	121	0.330793	3998.253	ug/L	0.015				
Sb	123	0.319744	2984.867	ug/L	0.012				
Ba	137	48.276527	236407.8	ug/L	0.922				
Ba	138	48.566653	1518126	ug/L	1.5				
Tb	159	632077.81	ug/L						
Ho	165	596070.53	ug/L						
Hg	200	-0.00063	18	ug/L	0.002				
Hg	202	-0.001129	24.667	ug/L	0.005				
Tl	205	0.024743	1051.071	ug/L	0.001				
Pb	208	0.052699	2671.514	ug/L	0				
Bi	209	410080.53	ug/L						
Se	77	2.543693	1070.73	mg/L	0.527				
Se	78	-5.217587	13265.82	mg/L	0.292				
Se	82	3.037344	584.375	mg/L	0.111				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.939							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	81.952
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.573
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.989
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.03
Sample Date/Time Monday August 29 2011 22:53:03
Autosampl Position: 54
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.03.18773
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7136.133		ug/L						
Be	9	0.007861	19.667	ug/L	0.001					
B	10	179.1108	15435.58	ug/L	0.91					
B	11	186.03415	78657.61	ug/L	0.629					
C	12	683716.82		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	11227.205	47252601	ug/L	65.31					
Mg	25	11115.925	6741246	ug/L	92.008					
Al	27	4.14013	32431.01	ug/L	0.137					
Si	28	26294737		ug/L						
P	31	232.41636	85949.62	ug/L	1.432					
S	32	79312825		ug/L						
Cl	35	10812680		ug/L						
K	39	6980.687	73729114	ug/L	125.059					
Ca	44	20555.375	6595369	ug/L	104.071					
Sc	45	191519.01		ug/L						
Ti	47	1.792201	1763.855	ug/L	0.024					
Ti	48	15.706795	134455.2	ug/L	0.511					
V	51	0.200979	40604.55	ug/L	0.011					
ClO	51	41460.409		ug/L						
Cr	52	-0.050835	7621.129	ug/L	0.001					
Cr	53	-0.033161	12823.83	ug/L	0.065					
Fe	54	7154.3557	4919241	ug/L	21.858					
Mn	55	380.3192	6010431	ug/L	1.831					
Fe	56	7140.3783	89873995	ug/L	29.222					
Fe	57	6835.3338	1949073	ug/L	57.776					
Co	59	0.090722	1222.094	ug/L	0.004					
Ni	60	3.648986	10461.79	ug/L	0.073					
Ni	62	3.306277	1474.801	ug/L	0.148					
Cu	63	0.803713	5057.124	ug/L	0.01					
Zn	64	0.740592	3344.692	ug/L	0.016					
Cu	65	0.127267	460.016	ug/L	0.006					
Zn	66	0.553509	1653.5	ug/L	0.001					
Zn	68	1.939813	3075.551	ug/L	0.008					
Ge	72	142711.48		ug/L						
As	75	4.853288	7068.478	ug/L	0.173					
Se	74	90.55331	13099.48	mg/L	11.63					
ArCl	77	944.725		ug/L						

Br	79	205009.99	ug/L			
Br	81	232067.66	ug/L			
Y	89	381015.31	ug/L			
Mo	95	2.895212	10709.08	ug/L	0.006	
Rh	103	371124.3	ug/L			
Ag	107	0.058199	1179.088	ug/L	0.001	
Ag	109	0.059113	1113.746	ug/L	0.002	
Cd	111	0.010156	54.334	ug/L	0.001	
Cd	114	-0.030728	190.004	ug/L	0	
In	115	494242.69	ug/L			
Sb	121	0.232812	2953.509	ug/L	0.005	
Sb	123	0.234442	2277.746	ug/L	0.003	
Ba	137	73.409995	350343.9	ug/L	1.544	
Ba	138	75.057938	2286885	ug/L	1.201	
Tb	159	624557.81	ug/L			
Ho	165	606382.96	ug/L			
Hg	200	0.018508	60.334	ug/L	0.004	
Hg	202	0.007853	51.001	ug/L	0.001	
Tl	205	-0.003018	290.341	ug/L	0	
Pb	208	0.016088	1293.382	ug/L	0	
Bi	209	412117.29	ug/L			
Se	77	2.096678	1014.723	mg/L	0.316	
Se	78	-6.093993	12897.45	mg/L	0.383	
Se	82	2.426606	465.074	mg/L	0.372	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.991							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	81.047
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	82.437
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.512
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04
Sample Date/Time Monday August 29 2011 22:59:29
Autosampl Position: 55
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.04.18774
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12572.688		ug/L						
Be	9	0.021558	24	ug/L	0.008					
B	10	201.0646	16633.7	ug/L	3.248					
B	11	205.62276	83474.66	ug/L	3.4					
C	12	818022.21		ug/L						
Na	23	80693.666	5.09E+08	ug/L	1174.576					
Mg	24	20630.31	83401617	ug/L	361.164					
Mg	25	20456.128	11915937	ug/L	423.676					
Al	27	5.082619	37229.8	ug/L	0.134					
Si	28	25233298		ug/L						
P	31	451.31128	151886.7	ug/L	8.346					
S	32	76961302		ug/L						
Cl	35	11499217		ug/L						
K	39	20237.261	2.04E+08	ug/L	97.757					
Ca	44	32519.12	9989707	ug/L	609.961					
Sc	45	183979.1		ug/L						
Ti	47	2.509969	2282.976	ug/L	0.088					
Ti	48	20.344334	168492.3	ug/L	1.358					
V	51	0.385141	41090.75	ug/L	0.105					
ClO	51	42263.104		ug/L						
Cr	52	0.006967	7872.368	ug/L	0.02					
Cr	53	0.755582	13252.12	ug/L	0.239					
Fe	54	13816.838	9075566	ug/L	38.121					
Mn	55	2942.9202	44644468	ug/L	69.316					
Fe	56	13818.775	1.64E+08	ug/L	225.916					
Fe	57	14453.92	3947477	ug/L	438.106					
Co	59	3.592741	41851.2	ug/L	0.026					
Ni	60	9.365081	25683.82	ug/L	0.15					
Ni	62	8.68545	3639.431	ug/L	0.034					
Cu	63	0.829536	5007.762	ug/L	0.014					
Zn	64	2.507273	8288.434	ug/L	0.01					
Cu	65	0.196798	638.029	ug/L	0.009					
Zn	66	2.385655	4661.908	ug/L	0.02					
Zn	68	5.6236	7438.784	ug/L	0.052					
Ge	72	138666.93		ug/L						
As	75	17.974728	25893.38	ug/L	0.038					
Se	74	107.31871	11794.83	mg/L	43.621					
ArCl	77	984.396		ug/L						

Br	79	411017.04	ug/L			
Br	81	456657.53	ug/L			
Y	89	363577.49	ug/L			
Mo	95	32.967833	117497.3	ug/L	0.601	
Rh	103	357215.89	ug/L			
Ag	107	0.040977	973.729	ug/L	0.007	
Ag	109	0.04435	943.058	ug/L	0.006	
Cd	111	0.096082	303.675	ug/L	0.005	
Cd	114	0.038145	651.697	ug/L	0.004	
In	115	489332.54	ug/L			
Sb	121	0.307021	3633.43	ug/L	0.007	
Sb	123	0.311287	2818.564	ug/L	0.007	
Ba	137	181.48052	857410.8	ug/L	4.226	
Ba	138	183.92953	5548235	ug/L	2.307	
Tb	159	618027.77	ug/L			
Ho	165	592098.05	ug/L			
Hg	200	0.064406	157.336	ug/L	0.006	
Hg	202	0.0394	138.336	ug/L	0.006	
Tl	205	0.120114	3654.104	ug/L	0.007	
Pb	208	0.062452	3022.888	ug/L	0.002	
Bi	209	399676.31	ug/L			
Se	77	1.990246	1001.389	mg/L	0.256	
Se	78	-5.881051	12986.96	mg/L	0.692	
Se	82	4.892694	946.799	mg/L	0.003	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	101.819							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	78.75
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	81.618
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.403
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MS
Sample Date/Time Monday August 29 2011 23:06:00
Autosampl Position: 56
Sample Description Aqtot pre digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MS.18775
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	13202.918		ug/L						
Be	9	715.55753	261383.7	ug/L	6.982					
B	10	208.9792	16877.82	ug/L	6.173					
B	11	207.94738	82436.24	ug/L	1.6					
C	12	1484016.1		ug/L						
Na	23	93152.656	5.73E+08	ug/L	933.093					
Mg	24	32081.021	1.27E+08	ug/L	221.05					
Mg	25	32171.929	18303470	ug/L	283.068					
Al	27	11058.915	69675867	ug/L	23.857					
Si	28	25375709		ug/L						
P	31	11480.681	3560104	ug/L	132.319					
S	32	81706514		ug/L						
Cl	35	13543376		ug/L						
K	39	30590.546	3E+08	ug/L	242.57					
Ca	44	43814.355	13125967	ug/L	74.677					
Sc	45	179660.71		ug/L						
Ti	47	24.118696	19517.46	ug/L	0.875					
Ti	48	26.931049	219141.9	ug/L	1.736					
V	51	882.01935	9813585	ug/L	6.302					
ClO	51	10118041		ug/L						
Cr	52	858.94069	8021282	ug/L	4.863					
Cr	53	749.47636	879131.3	ug/L	15.238					
Fe	54	24638.733	15763590	ug/L	394.676					
Mn	55	3939.9188	58370626	ug/L	12.222					
Fe	56	24822.527	2.86E+08	ug/L	362.295					
Fe	57	26182.877	6976078	ug/L	32.425					
Co	59	820.74752	9309663	ug/L	4.737					
Ni	60	673.81027	1799860	ug/L	7.188					
Ni	62	679.26423	274097.6	ug/L	13.627					
Cu	63	722.27609	4101721	ug/L	0.245					
Zn	64	665.27093	1867266	ug/L	6.877					
Cu	65	689.48762	1898029	ug/L	0.853					
Zn	66	687.38306	1126750	ug/L	0.643					
Zn	68	670.44128	797435.5	ug/L	9.209					
Ge	72	140385		ug/L						
As	75	1005.7426	1476134	ug/L	15.416					
Se	74	-36.98652	19998.44	mg/L	67.172					
ArCl	77	106694.26		ug/L						

Br	79	359555.01	ug/L			
Br	81	394818.35	ug/L			
Y	89	361876.32	ug/L			
Mo	95	1183.7875	4268514	ug/L	20.882	
Rh	103	356465.76	ug/L			
Ag	107	71.455449	806014.8	ug/L	2.628	
Ag	109	70.698566	766333.2	ug/L	2.676	
Cd	111	1021.4163	2995138	ug/L	7.473	
Cd	114	1022.3614	6938542	ug/L	6.616	
In	115	493029.69	ug/L			
Sb	121	1205.5839	11589651	ug/L	21.049	
Sb	123	1182.487	8748085	ug/L	1.006	
Ba	137	1239.771	5902771	ug/L	2.26	
Ba	138	1262.0095	38360160	ug/L	10.818	
Tb	159	613124.77	ug/L			
Ho	165	588968.09	ug/L			
Hg	200	1.08974	2339.991	ug/L	0.018	
Hg	202	1.030833	2913.163	ug/L	0.002	
Tl	205	995.02492	27114164	ug/L	5.359	
Pb	208	973.96597	36798006	ug/L	20.44	
Bi	209	389218.84	ug/L			
Se	77	836.92309	105609.9	mg/L	5.816	
Se	78	804.2713	353506.7	mg/L	19.041	
Se	82	779.54469	152267.3	mg/L	0.758	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.429							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	79.726
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	82.235
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.941
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Monday August 29 2011 23:12:26
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.18776
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6682.455		ug/L						
Be	9	0.007018	15.667	ug/L	0.008					
B	10	1.313289	162.67	ug/L	0.345					
B	11	1.650372	847.715	ug/L	0.222					
C	12	352693.38		ug/L						
Na	23	12.526962	78172.51	ug/L	0.144					
Mg	24	1.031472	3977.935	ug/L	0.002					
Mg	25	1.021754	580.077	ug/L	0.162					
Al	27	0.278967	5272.064	ug/L	0.094					
Si	28	63500.822		ug/L						
P	31	2.325349	8177.853	ug/L	3.355					
S	32	76484511		ug/L						
Cl	35	8545591.6		ug/L						
K	39	7.693375	850689.9	ug/L	0.886					
Ca	44	-58.95272	32129.89	ug/L	0.139					
Sc	45	155272.18		ug/L						
Ti	47	-0.057976	150.336	ug/L	0.016					
Ti	48	0.222194	-1995.57	ug/L	0.008					
V	51	0.657875	37293.72	ug/L	0.083					
ClO	51	38347.766		ug/L						
Cr	52	0.053399	7019.302	ug/L	0.002					
Cr	53	1.747101	12175.94	ug/L	0.238					
Fe	54	19.894537	57036.74	ug/L	11.69					
Mn	55	-0.096703	2270.31	ug/L	0.027					
Fe	56	24.635363	2795375	ug/L	4.334					
Fe	57	10.037086	10764.11	ug/L	0.739					
Co	59	0.016155	260.006	ug/L	0.005					
Ni	60	0.036415	141.669	ug/L	0.002					
Ni	62	0.025934	51.667	ug/L	0.035					
Cu	63	0.129755	793.043	ug/L	0.031					
Zn	64	0.067782	1080.406	ug/L	0					
Cu	65	0.127311	373.345	ug/L	0.027					
Zn	66	0.034979	606.36	ug/L	0.004					
Zn	68	0.034199	536.021	ug/L	0.036					
Ge	72	143812.69		ug/L						
As	75	0.319026	302.609	ug/L	0.068					
Se	74	39.802852	16090.51	mg/L	4.784					
ArCl	77	651.03		ug/L						

Br	79	9200.437	ug/L						
Br	81	26111.429	ug/L						
Y	89	382069.5	ug/L						
Mo	95	1.670048	6253.966	ug/L	0.504				
Rh	103	395869.02	ug/L						
Ag	107	0.22275	3166.952	ug/L	0.098				
Ag	109	0.222179	3006.886	ug/L	0.088				
Cd	111	0.028229	112.002	ug/L	0.012				
Cd	114	-0.017331	293.008	ug/L	0.015				
In	115	516037.24	ug/L						
Sb	121	0.920931	9998.686	ug/L	0.19				
Sb	123	0.921133	7686.801	ug/L	0.222				
Ba	137	0.035445	229.005	ug/L	0.006				
Ba	138	0.036604	1414.312	ug/L	0.005				
Tb	159	630010.2	ug/L						
Ho	165	604433.59	ug/L						
Hg	200	0.006584	34	ug/L	0.001				
Hg	202	0.002605	35.667	ug/L	0.002				
Tl	205	0.164923	4970.449	ug/L	0.048				
Pb	208	0.033644	1968.101	ug/L	0.004				
Bi	209	443092.58	ug/L						
Se	77	-0.957852	632.022	mg/L	0.512				
Se	78	-3.766974	13875.54	mg/L	0.115				
Se	82	0.642384	116.544	mg/L	0.032				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	85.932							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	81.672
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.073
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.224
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Monday August 29 2011 23:19:22
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.18777
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6631.752		ug/L						
Be	9	78.57491	25106.21	ug/L	0.262					
B	10	79.726067	5675.161	ug/L	0.322					
B	11	80.404074	28044.48	ug/L	0.062					
C	12	359041.42		ug/L						
Na	23	112.07937	614623.8	ug/L	1.839					
Mg	24	113.92874	393672.1	ug/L	1.112					
Mg	25	111.95034	55759.41	ug/L	0.233					
Al	27	105.37045	584108.7	ug/L	0.865					
Si	28	202708.46		ug/L						
P	31	-2.387543	6990.054	ug/L	1.454					
S	32	75806623		ug/L						
Cl	35	8161391.6		ug/L						
K	39	1107.3458	10259526	ug/L	14.237					
Ca	44	47.109268	60147.66	ug/L	6.766					
Sc	45	157070.89		ug/L						
Ti	47	98.099401	68829.67	ug/L	0.409					
Ti	48	99.143618	715284.9	ug/L	0.485					
V	51	93.855121	940907.5	ug/L	1.093					
ClO	51	968697.68		ug/L						
Cr	52	95.0597	781986.9	ug/L	0.87					
Cr	53	92.60154	104208.9	ug/L	1.313					
Fe	54	121.46561	114226.9	ug/L	10.216					
Mn	55	92.427143	1200342	ug/L	2.309					
Fe	56	115.52274	3732551	ug/L	3.541					
Fe	57	101.80459	32216.9	ug/L	7.359					
Co	59	92.142186	913665.5	ug/L	2.069					
Ni	60	85.16858	198920.1	ug/L	1.65					
Ni	62	84.629518	29892.36	ug/L	1.421					
Cu	63	92.555985	459598.6	ug/L	1.332					
Zn	64	83.270408	205117.3	ug/L	1.652					
Cu	65	91.643373	220585	ug/L	1.323					
Zn	66	84.395936	121429.2	ug/L	0.848					
Zn	68	83.945357	87724.09	ug/L	1.759					
Ge	72	145646.87		ug/L						
As	75	102.94696	156607.1	ug/L	0.083					
Se	74	59.366833	15162.02	mg/L	14.833					
ArCl	77	11710.655		ug/L						

Br	79	4846.341	ug/L			
Br	81	21033.181	ug/L			
Y	89	384387.58	ug/L			
Mo	95	99.717462	372981.5	ug/L	5.128	
Rh	103	391885.98	ug/L			
Ag	107	47.000298	568376.9	ug/L	0.403	
Ag	109	47.154838	547998.4	ug/L	1.516	
Cd	111	97.306673	305827.4	ug/L	1.278	
Cd	114	98.41631	716236.7	ug/L	0.864	
In	115	528402.85	ug/L			
Sb	121	93.096908	959898.4	ug/L	4.687	
Sb	123	92.931887	737395.6	ug/L	5.105	
Ba	137	104.32372	532389.2	ug/L	0.442	
Ba	138	106.08741	3456223	ug/L	0.541	
Tb	159	632880.77	ug/L			
Ho	165	613754.32	ug/L			
Hg	200	1.005925	2252.968	ug/L	0.02	
Hg	202	1.003171	2955.177	ug/L	0.013	
Tl	205	105.20338	2987946	ug/L	0.435	
Pb	208	98.132549	3865507	ug/L	3.212	
Bi	209	447195.17	ug/L			
Se	77	84.042304	11281.67	mg/L	4.159	
Se	78	77.073529	47854.07	mg/L	0.261	
Se	82	81.247466	15861.94	mg/L	1.148	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	77.797							
|	B	79.488							
|	B	80.164							
|	C								
|	Na	110.641							
|	Mg	112.801							
|	Mg	110.842							
|	Al	104.951							
|	Si								
|	P								
|	S								
|	Cl								
|	K	110.403							
|	Ca	46.689							
|>	Sc	86.927							
|	Ti	98.099							
|	Ti	99.144							
|	V	93.481							
|	ClO								
|	Cr	94.119							

|	Cr	91.685
|	Fe	120.741
|	Mn	92.059
|	Fe	114.834
|	Fe	101.197
|	Co	91.593
|	Ni	84.493
|	Ni	83.958
|	Cu	92.649
|	Zn	82.692
|	Cu	91.735
|	Zn	83.809
|-	Zn	83.362
|>	Ge	82.714
|	As	103.568
|	Se	59.248
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	99.419
|-	Rh	
|	Ag	46.627
|	Ag	46.781
|	Cd	96.823
|	Cd	97.927
|>	In	88.135
|	Sb	92.818
|	Sb	92.654
|	Ba	103.599
|-	Ba	105.35
|-	Tb	
|>	Ho	90.6
|	Hg	100.593
|	Hg	100.317
|	Tl	105.203
|	Pb	98.133
|-	Bi	
	Se	83.875
	Se	76.92
	Se	81.085

Sample ID: QC Std 5
Sample Date/Time Monday August 29 2011 23:26:16
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.18778
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6635.756		ug/L						
Be	9	35.154063	10874.28	ug/L	0.046					
B	10	137.69568	9431.986	ug/L	2.38					
B	11	137.04334	46050.51	ug/L	2.465					
C	12	353320.56		ug/L						
Na	23	9.506936	60771.91	ug/L	0.387					
Mg	24	0.481179	2053.775	ug/L	0.126					
Mg	25	0.500937	316.704	ug/L	0.015					
Al	27	197.71523	1057135	ug/L	2.954					
Si	28	104477.32		ug/L						
P	31	1.176236	7694.059	ug/L	4.534					
S	32	77055363		ug/L						
Cl	35	7788103.1		ug/L						
K	39	7.886545	834055.8	ug/L	1.085					
Ca	44	-52.46707	33076.72	ug/L	3.96					
Sc	45	151956.84		ug/L						
Ti	47	0.179879	308.008	ug/L	0.063					
Ti	48	0.405817	-665.846	ug/L	0.032					
V	51	25.081071	265513.1	ug/L	0.158					
ClO	51	270954.5		ug/L						
Cr	52	48.764358	391240.8	ug/L	0.74					
Cr	53	47.377008	56571.38	ug/L	0.041					
Fe	54	213.06311	159942.2	ug/L	6.981					
Mn	55	102.23997	1284462	ug/L	0.83					
Fe	56	208.91768	4511242	ug/L	4.041					
Fe	57	185.62793	50049.07	ug/L	1.889					
Co	59	22.724322	218107.9	ug/L	0.25					
Ni	60	178.4882	403315.4	ug/L	0.559					
Ni	62	179.96171	61459.34	ug/L	0.564					
Cu	63	74.664899	358751.9	ug/L	0.833					
Zn	64	90.369798	215320	ug/L	0.323					
Cu	65	74.694326	173964.1	ug/L	0.952					
Zn	66	91.343975	127110.1	ug/L	0.875					
Zn	68	92.440289	93426.23	ug/L	0.093					
Ge	72	142512.37		ug/L						
As	75	44.514986	66161.62	ug/L	0.026					
Se	74	44.759157	15665.39	mg/L	7.776					
ArCl	77	18380.079		ug/L						

Br		79	3574.739	ug/L						
Br		81	20391.047	ug/L						
Y		89	376530.21	ug/L						
Mo		95	44.580703	163247.5	ug/L	1.845				
Rh		103	391612.04	ug/L						
Ag		107	51.633384	612256.9	ug/L	5.374				
Ag		109	53.724716	612776.6	ug/L	4.151				
Cd		111	22.850628	70479.53	ug/L	0.439				
Cd		114	23.087551	165162.6	ug/L	0.521				
In		115	518461.71	ug/L						
Sb		121	51.178014	518053.4	ug/L	0.407				
Sb		123	50.572468	393930	ug/L	1.124				
Ba		137	150.41531	753039.6	ug/L	3.829				
Ba		138	153.21073	4896539	ug/L	5.109				
Tb		159	632957.72	ug/L						
Ho		165	602999.15	ug/L						
Hg		200	1.117841	2457.357	ug/L	0.02				
Hg		202	1.075404	3110.23	ug/L	0.033				
Tl		205	14.344857	400592.2	ug/L	0.087				
Pb		208	106.97606	4139385	ug/L	0.016				
Bi		209	443263.79	ug/L						
Se		77	140.22762	18321.11	mg/L	3.001				
Se		78	135.23789	72301.46	mg/L	0.643				
Se		82	131.45179	25668.85	mg/L	0.089				
QC	Calculated Values									
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be	82.521								
|	B	86.06								
|	B	85.652								
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al	112.338								
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	84.097								
|	Ti									
|	Ti									
|	V	100.727								
|	ClO									
|	Cr	99.115								

	Cr	96.295
	Fe	119.03
	Mn	96.453
	Fe	116.714
	Fe	103.703
	Co	97.529
	Ni	87.494
	Ni	88.217
	Cu	95.479
	Zn	86.066
	Cu	95.517
	Zn	86.994
-	Zn	88.038
>	Ge	80.934
	As	112.982
	Se	27.974
	ArCl	
	Br	
	Br	
	Y	
-	Mo	106.398
-	Rh	
	Ag	102.651
	Ag	106.809
	Cd	98.494
	Cd	99.515
>	In	86.477
	Sb	110.06
	Sb	108.758
	Ba	106.678
-	Ba	108.66
-	Tb	
>	Ho	89.012
	Hg	111.784
	Hg	107.54
	Tl	101.02
	Pb	102.862
-	Bi	
	Se	87.642
	Se	84.524
	Se	82.157

Sample ID: QC Std 6
Sample Date/Time Monday August 29 2011 23:33:10
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18779
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6514.333		ug/L						
Be	9	-0.006722	12	ug/L	0.02					
B	10	0.500139	112.002	ug/L	0.126					
B	11	0.809439	591.692	ug/L	0.167					
C	12	355894.33		ug/L						
Na	23	10854.091	60992202	ug/L	98.425					
Mg	24	10898.12	39275537	ug/L	149.362					
Mg	25	10961.182	5692052	ug/L	169.166					
Al	27	11120.047	63952010	ug/L	98.671					
Si	28	58111.028		ug/L						
P	31	11526.583	3262529	ug/L	28.108					
S	32	71372785		ug/L						
Cl	35	7042257.1		ug/L						
K	39	10326.962	93002151	ug/L	58.981					
Ca	44	9947.6649	2759050	ug/L	42.392					
Sc	45	164002.13		ug/L						
Ti	47	22.951937	16967.32	ug/L	0.225					
Ti	48	8.026173	56968.85	ug/L	0.461					
V	51	-0.145288	31265.65	ug/L	0.024					
ClO	51	32269.16		ug/L						
Cr	52	0.026683	7186.258	ug/L	0.004					
Cr	53	-0.751757	10221.85	ug/L	0.157					
Fe	54	10540.802	6183351	ug/L	2.999					
Mn	55	-0.1263	1995.24	ug/L	0.017					
Fe	56	10263.408	1.09E+08	ug/L	142.49					
Fe	57	10829.17	2639136	ug/L	124.905					
Co	59	0.027739	394.346	ug/L	0.001					
Ni	60	0.213219	580.691	ug/L	0.005					
Ni	62	0.035162	58.001	ug/L	0.024					
Cu	63	0.204426	1223.761	ug/L	0.012					
Zn	64	0.494198	2233.129	ug/L	0.001					
Cu	65	0.136703	417.68	ug/L	0.007					
Zn	66	0.400842	1187.756	ug/L	0.027					
Zn	68	0.342706	900.72	ug/L	0					
Ge	72	143139.47		ug/L						
As	75	0.080005	-55.917	ug/L	0.006					
Se	74	126.99733	11073.42	mg/L	24.642					
ArCl	77	631.362		ug/L						

Br	79	3069.883	ug/L						
Br	81	19050.463	ug/L						
Y	89	382786.48	ug/L						
Mo	95	0.348135	1376.786	ug/L	0.052				
Rh	103	374141.04	ug/L						
Ag	107	0.297354	3977.261	ug/L	0.083				
Ag	109	0.300146	3823.192	ug/L	0.083				
Cd	111	0.013518	66.001	ug/L	0.001				
Cd	114	-0.029512	203.671	ug/L	0.003				
In	115	508828.61	ug/L						
Sb	121	0.933776	9966.261	ug/L	0.152				
Sb	123	0.922619	7581.503	ug/L	0.117				
Ba	137	0.052413	309.675	ug/L	0.004				
Ba	138	0.051196	1852.708	ug/L	0.001				
Tb	159	624344.04	ug/L						
Ho	165	602713.37	ug/L						
Hg	200	0.014619	51.334	ug/L	0.007				
Hg	202	0.009489	55.334	ug/L	0.001				
Tl	205	0.014619	780.041	ug/L	0.002				
Pb	208	0.033558	1960.77	ug/L	0.001				
Bi	209	426232.68	ug/L						
Se	77	-1.298419	589.353	mg/L	0.421				
Se	78	-6.142216	12877.18	mg/L	0.901				
Se	82	0.404063	69.99	mg/L	0.129				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	108.541							
|	Mg	108.981							
|	Mg	109.612							
|	Al	111.2							
|	Si								
|	P	115.266							
|	S								
|	Cl								
|	K	103.27							
|	Ca	99.477							
|>	Sc	90.763							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	105.408
|	Mn	
|	Fe	102.634
|	Fe	108.292
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	81.29
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	84.87
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	88.97
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MSD
Sample Date/Time Monday August 29 2011 23:40:11
Autosampl Position: 57
Sample Description Aqtot pre digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MSD.18780
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	13423.239		ug/L						
Be	9	641.25581	261132.3	ug/L	21.993					
B	10	185.09691	16669.78	ug/L	11.688					
B	11	187.21585	82749.8	ug/L	9.642					
C	12	1371574		ug/L						
Na	23	84271.919	5.78E+08	ug/L	3079.657					
Mg	24	28597.675	1.26E+08	ug/L	1582.205					
Mg	25	28326.462	17963551	ug/L	975.336					
Al	27	9648.7162	67762679	ug/L	350.5					
Si	28	25154269		ug/L						
P	31	10097.617	3491382	ug/L	346.836					
S	32	77609998		ug/L						
Cl	35	13547188		ug/L						
K	39	27445.952	3E+08	ug/L	1308.291					
Ca	44	38975.463	13014880	ug/L	2758.815					
Sc	45	200382.8		ug/L						
Ti	47	21.539944	19458.33	ug/L	0.92					
Ti	48	24.691727	224309	ug/L	3.43					
V	51	789.77093	9798326	ug/L	35.073					
ClO	51	9939222.8		ug/L						
Cr	52	760.11438	7911521	ug/L	40.742					
Cr	53	662.5297	868081.8	ug/L	17.423					
Fe	54	22081.633	15749890	ug/L	1032.211					
Mn	55	3503.1771	57839217	ug/L	182.916					
Fe	56	22136.897	2.84E+08	ug/L	1413.142					
Fe	57	23129.943	6870613	ug/L	851.469					
Co	59	723.91081	9150684	ug/L	39.138					
Ni	60	588.83109	1753257	ug/L	23.829					
Ni	62	601.58683	270598.8	ug/L	26.469					
Cu	63	640.78957	4055400	ug/L	32.484					
Zn	64	590.48428	1847675	ug/L	21.548					
Cu	65	611.25516	1875716	ug/L	20.789					
Zn	66	605.57437	1106449	ug/L	26.623					
Zn	68	598.14008	793013.2	ug/L	28.906					
Ge	72	144988.6		ug/L						
As	75	937.99224	1421770	ug/L	9.621					
Se	74	36.406526	16397.46	mg/L	38.612					
ArCl	77	105969.5		ug/L						

Br		79	339985.82	ug/L						
Br		81	378207.27	ug/L						
Y		89	382995.54	ug/L						
Mo		95	1145.1258	4264661	ug/L	11.874				
Rh		103	371089.31	ug/L						
Ag		107	48.979972	564820.4	ug/L	0.849				
Ag		109	55.908591	619460.3	ug/L	1.692				
Cd		111	985.20603	2952555	ug/L	21.799				
Cd		114	996.28171	6910647	ug/L	15.874				
In		115	503930.79	ug/L						
Sb		121	1155.7219	11354451	ug/L	35.374				
Sb		123	1155.7049	8737763	ug/L	40.712				
Ba		137	1201.4103	5846089	ug/L	26.806				
Ba		138	1229.6414	38198120	ug/L	34.804				
Tb		159	632295.71	ug/L						
Ho		165	609190.31	ug/L						
Hg		200	1.0297	2286.31	ug/L	0.062				
Hg		202	0.996256	2911.495	ug/L	0.034				
Tl		205	956.89792	26954923	ug/L	38.827				
Pb		208	938.36291	36646484	ug/L	50.675				
Bi		209	427906.33	ug/L						
Se		77	817.00866	103114.8	mg/L	3.531				
Se		78	795.80715	349949.1	mg/L	9.691				
Se		82	756.2285	147712.7	mg/L	10.816				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	110.897								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	82.34
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.053
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.926
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MS
Sample Date/Time Monday August 29 2011 23:46:42
Autosampl Position: 58
Sample Description Aqtot post digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MS.18781
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12150.784		ug/L						
Be	9	734.54727	259526.4	ug/L	23.238					
B	10	183.32003	14338.78	ug/L	2.272					
B	11	188.27738	72259.98	ug/L	3.053					
C	12	1296905		ug/L						
Na	23	85925.017	5.12E+08	ug/L	177.368					
Mg	24	30465.118	1.16E+08	ug/L	672.913					
Mg	25	30274.485	16659465	ug/L	660.944					
Al	27	11378.696	69342866	ug/L	259.823					
Si	28	21934412		ug/L						
P	31	11683.974	3503731	ug/L	393.988					
S	32	77074824		ug/L						
Cl	35	12281087		ug/L						
K	39	29511.403	2.8E+08	ug/L	489.219					
Ca	44	40557.137	11761805	ug/L	797.07					
Sc	45	173823.81		ug/L						
Ti	47	23.799898	18632.93	ug/L	0.888					
Ti	48	23.750086	186104.5	ug/L	5.303					
V	51	922.28351	9925937	ug/L	9.155					
ClO	51	10092602		ug/L						
Cr	52	892.93978	8066876	ug/L	9.712					
Cr	53	773.41261	877176.5	ug/L	23.3					
Fe	54	23286.803	14413927	ug/L	310.988					
Mn	55	3646.7096	52262858	ug/L	61.657					
Fe	56	23274.513	2.59E+08	ug/L	244.558					
Fe	57	24461.652	6307091	ug/L	271.456					
Co	59	852.28402	9350984	ug/L	21.569					
Ni	60	684.6622	1768941	ug/L	20.891					
Ni	62	699.62724	273065.1	ug/L	25.023					
Cu	63	754.27045	4142745	ug/L	24.664					
Zn	64	690.63014	1874787	ug/L	25.02					
Cu	65	713.69269	1900401	ug/L	13.971					
Zn	66	713.55808	1131366	ug/L	15.432					
Zn	68	706.77559	813096.4	ug/L	21.925					
Ge	72	140451.34		ug/L						
As	75	975.22739	1432045	ug/L	11.25					
Se	74	-5.05229	18211.44	mg/L	17.191					
ArCl	77	106832.48		ug/L						

Br	79	356003.75	ug/L			
Br	81	394953.47	ug/L			
Y	89	364383.15	ug/L			
Mo	95	1185.4399	4276147	ug/L	4.532	
Rh	103	351794.99	ug/L			
Ag	107	907.65278	10086085	ug/L	11.785	
Ag	109	906.4507	9679791	ug/L	26.711	
Cd	111	1046.6681	3025549	ug/L	4.697	
Cd	114	1055.7082	7063185	ug/L	12.867	
In	115	486017.62	ug/L			
Sb	121	1167.0535	11060170	ug/L	26.902	
Sb	123	1159.4494	8456339	ug/L	38.783	
Ba	137	1242.4847	5831667	ug/L	9.193	
Ba	138	1255.6096	37623351	ug/L	10.733	
Tb	159	598244.08	ug/L			
Ho	165	572333.58	ug/L			
Hg	200	1.125091	2347.994	ug/L	0.037	
Hg	202	1.087281	2984.186	ug/L	0.01	
Tl	205	1037.3569	27467458	ug/L	15.608	
Pb	208	1019.3191	37429396	ug/L	5.13	
Bi	209	390820.67	ug/L			
Se	77	834.59774	105318.6	mg/L	7.399	
Se	78	801.07427	352162.9	mg/L	16.714	
Se	82	770.60558	150521.1	mg/L	8.061	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.199							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	79.763
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	81.065
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	84.485
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MSD
Sample Date/Time Monday August 29 2011 23:53:14
Autosampl Position: 59
Sample Description Aqtot post digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MSD.18782
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12399.117		ug/L						
Be	9	702.49288	255040.2	ug/L	10.591					
B	10	176.05935	14146.14	ug/L	3.592					
B	11	178.36312	70322.31	ug/L	2.11					
C	12	1281991.1		ug/L						
Na	23	80740.64	4.94E+08	ug/L	903.119					
Mg	24	29106.289	1.14E+08	ug/L	585.565					
Mg	25	29259.858	16542387	ug/L	595.845					
Al	27	11025.902	69038138	ug/L	152.298					
Si	28	21769393		ug/L						
P	31	11286.195	3477779	ug/L	316.728					
S	32	77139694		ug/L						
Cl	35	12166699		ug/L						
K	39	28361.813	2.76E+08	ug/L	670.843					
Ca	44	38331.531	11417181	ug/L	1595.769					
Sc	45	178567.5		ug/L						
Ti	47	22.866469	18405.46	ug/L	0.269					
Ti	48	25.69605	207868.4	ug/L	2.929					
V	51	896.19851	9909462	ug/L	14.875					
ClO	51	10036681		ug/L						
Cr	52	861.95938	7999842	ug/L	14.946					
Cr	53	739.41675	862279.5	ug/L	5.19					
Fe	54	22539.523	14336519	ug/L	141.987					
Mn	55	3510.6514	51690601	ug/L	55.413					
Fe	56	22378.7	2.56E+08	ug/L	349.81					
Fe	57	23977.335	6349854	ug/L	285.11					
Co	59	817.88113	9221099	ug/L	1.119					
Ni	60	663.47086	1761419	ug/L	8.849					
Ni	62	672.25181	269630.8	ug/L	7.458					
Cu	63	730.52237	4123005	ug/L	8.47					
Zn	64	668.56414	1865056	ug/L	8.043					
Cu	65	683.73375	1870634	ug/L	5.057					
Zn	66	682.55541	1112009	ug/L	2.857					
Zn	68	671.92611	794365.9	ug/L	4.787					
Ge	72	139492.77		ug/L						
As	75	972.71762	1418629	ug/L	5.667					
Se	74	-7.134827	18205.15	mg/L	1.94					
ArCl	77	105303.08		ug/L						

Br		79	352170.23	ug/L					
Br		81	390048.51	ug/L					
Y		89	364468.46	ug/L					
Mo		95	1185.8637	4248192	ug/L	20.752			
Rh		103	359852.24	ug/L					
Ag		107	944.30421	10662321	ug/L	0.074			
Ag		109	909.33274	9867468	ug/L	30.504			
Cd		111	1022.4168	3002911	ug/L	2.515			
Cd		114	1033.0858	7022757	ug/L	13.074			
In		115	493828.68	ug/L					
Sb		121	1158.4192	11154293	ug/L	29.764			
Sb		123	1158.2045	8582429	ug/L	30.324			
Ba		137	1236.5998	5897240	ug/L	8.674			
Ba		138	1241.0327	37783432	ug/L	0.612			
Tb		159	611192.41	ug/L					
Ho		165	584621.09	ug/L					
Hg		200	1.086058	2315.652	ug/L	0.023			
Hg		202	1.049008	2941.839	ug/L	0.013			
Tl		205	1016.2469	27488483	ug/L	4.345			
Pb		208	997.60195	37418308	ug/L	5.37			
Bi		209	401520.23	ug/L					
Se		77	830.23831	104772.4	mg/L	14.448			
Se		78	792.83753	348700.9	mg/L	25.175			
Se		82	755.27423	147526.3	mg/L	5.102			
QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.824							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	79.219
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	82.368
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.299
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Monday August 29 2011 23:59:46
Autosampl Position: 60
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18783
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6546.358		ug/L						
Be	9	0.057106	30.667	ug/L	0.033					
B	10	1.829413	193.671	ug/L	0.379					
B	11	1.912985	915.055	ug/L	0.244					
C	12	361884.4		ug/L						
Na	23	28.221897	157969.7	ug/L	0.993					
Mg	24	2.930868	10220.1	ug/L	0.12					
Mg	25	2.983912	1510.277	ug/L	0.074					
Al	27	45.86376	247700.4	ug/L	1.477					
Si	28	71692.052		ug/L						
P	31	0.962561	7633.967	ug/L	0.197					
S	32	73841074		ug/L						
Cl	35	9570542.6		ug/L						
K	39	13.320311	877838.1	ug/L	2.663					
Ca	44	-45.15462	34886.97	ug/L	0.56					
Sc	45	151795.82		ug/L						
Ti	47	0.029212	206.004	ug/L	0.004					
Ti	48	0.30758	-1353.59	ug/L	0.01					
V	51	0.891424	38640	ug/L	0.09					
ClO	51	39692.193		ug/L						
Cr	52	0.133379	7492.004	ug/L	0.006					
Cr	53	2.280913	12423.94	ug/L	0.201					
Fe	54	25.757527	58873.3	ug/L	2.49					
Mn	55	0.03696	3888.204	ug/L	0.019					
Fe	56	30.639056	2789568	ug/L	7.31					
Fe	57	15.619601	11765.47	ug/L	4.483					
Co	59	0.060321	676.365	ug/L	0.008					
Ni	60	0.145856	385.345	ug/L	0.005					
Ni	62	0.146459	91.668	ug/L	0.003					
Cu	63	0.342186	1791.862	ug/L	0.035					
Zn	64	2.859236	7670.382	ug/L	0.082					
Cu	65	0.320437	813.045	ug/L	0.03					
Zn	66	2.904727	4563.191	ug/L	0.113					
Zn	68	2.765095	3265.619	ug/L	0.073					
Ge	72	142926.85		ug/L						
As	75	0.370907	378.718	ug/L	0.031					
Se	74	106.64255	12191.39	mg/L	42.876					
ArCl	77	722.036		ug/L						

Br	79	8725.962	ug/L						
Br	81	26020.115	ug/L						
Y	89	386795.25	ug/L						
Mo	95	2.358519	8749.323	ug/L	0.299				
Rh	103	397832.03	ug/L						
Ag	107	6.111072	73691.32	ug/L	0.048				
Ag	109	6.07729	70394.25	ug/L	0				
Cd	111	0.054891	196.671	ug/L	0.003				
Cd	114	0.012223	510.353	ug/L	0.004				
In	115	523425.91	ug/L						
Sb	121	7.675009	79191.18	ug/L	1.073				
Sb	123	7.658046	60790.26	ug/L	0.933				
Ba	137	0.098663	552.022	ug/L	0.001				
Ba	138	0.088054	3095.835	ug/L	0.001				
Tb	159	651275.74	ug/L						
Ho	165	621224.56	ug/L						
Hg	200	0.011799	46.667	ug/L	0.003				
Hg	202	0.005517	45.334	ug/L	0.001				
Tl	205	0.088777	2935.837	ug/L	0.002				
Pb	208	0.111807	5140.625	ug/L	0.005				
Bi	209	437623.43	ug/L						
Se	77	-0.212858	725.362	mg/L	0.03				
Se	78	-4.674339	13494.16	mg/L	0.27				
Se	82	0.776184	142.68	mg/L	0.114				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	84.008							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	81.169
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.305
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.702
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 0:06:19
Autosampl Position: 61
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18784
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6123.396		ug/L						
Be	9	0.032572	21.667	ug/L	0.019					
B	10	1.017285	129.669	ug/L	0.208					
B	11	0.988551	567.69	ug/L	0.106					
C	12	348394.67		ug/L						
Na	23	14.843479	82665.8	ug/L	0.545					
Mg	24	1.956351	6516.321	ug/L	0.101					
Mg	25	1.914283	930.141	ug/L	0.201					
Al	27	12.491214	65614.84	ug/L	1.73					
Si	28	65417.721		ug/L						
P	31	-0.472377	6779.892	ug/L	3.796					
S	32	73091830		ug/L						
Cl	35	9016405		ug/L						
K	39	13.86531	824820.2	ug/L	1.645					
Ca	44	-39.91711	33839.58	ug/L	1.308					
Sc	45	141870.49		ug/L						
Ti	47	-0.027014	157.003	ug/L	0.009					
Ti	48	0.239635	-1708.77	ug/L	0.016					
V	51	1.08991	37860.73	ug/L	0.008					
ClO	51	38889.058		ug/L						
Cr	52	0.146209	7096.385	ug/L	0.02					
Cr	53	3.22799	12478.02	ug/L	0.21					
Fe	54	15.661626	49947.88	ug/L	2.855					
Mn	55	-0.060614	2495.034	ug/L	0.001					
Fe	56	41.659238	2706939	ug/L	3.131					
Fe	57	6.412777	9072.098	ug/L	0.69					
Co	59	0.029613	357.677	ug/L	0.005					
Ni	60	0.065808	191.337	ug/L	0.007					
Ni	62	0.108997	73.668	ug/L	0.034					
Cu	63	0.192449	1004.732	ug/L	0.015					
Zn	64	2.589131	6571.356	ug/L	0.106					
Cu	65	0.184809	465.683	ug/L	0.013					
Zn	66	2.658792	3947.23	ug/L	0.165					
Zn	68	2.627606	2923.499	ug/L	0.068					
Ge	72	140677.79		ug/L						
As	75	0.121608	7.673	ug/L	0.074					
Se	74	78.856341	13507.98	mg/L	76.759					
ArCl	77	669.365		ug/L						

Br	79	4405.778	ug/L						
Br	81	20618.899	ug/L						
Y	89	369371.71	ug/L						
Mo	95	0.776537	2901.492	ug/L	0.006				
Rh	103	392128.04	ug/L						
Ag	107	2.337108	27437.96	ug/L	0.096				
Ag	109	2.341285	26387.51	ug/L	0.076				
Cd	111	0.024131	97.335	ug/L	0.003				
Cd	114	-0.020043	267.673	ug/L	0.001				
In	115	503783.25	ug/L						
Sb	121	2.30239	23325.8	ug/L	0.117				
Sb	123	2.27471	17734.45	ug/L	0.107				
Ba	137	0.054902	318.342	ug/L	0				
Ba	138	0.05529	1962.942	ug/L	0.003				
Tb	159	628933.02	ug/L						
Ho	165	600844.95	ug/L						
Hg	200	0.010216	41.667	ug/L	0.003				
Hg	202	0.01049	58.001	ug/L	0.002				
Tl	205	0.039939	1482.136	ug/L	0.001				
Pb	208	0.061456	3029.893	ug/L	0.002				
Bi	209	417805.33	ug/L						
Se	77	-0.468285	693.36	mg/L	0.512				
Se	78	-5.413199	13183.6	mg/L	0.022				
Se	82	0.396384	68.49	mg/L	0.058				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	78.515							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	79.892
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.029
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.694
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 0:12:51
Autosampl Position: 62
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18785
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5984.636		ug/L						
Be	9	-0.009384	10	ug/L	0.007					
B	10	0.13519	77.001	ug/L	0.152					
B	11	0.27693	361.011	ug/L	0.01					
C	12	332711.62		ug/L						
Na	23	7.759948	50347.39	ug/L	0.076					
Mg	24	0.392351	1713.666	ug/L	0.024					
Mg	25	0.447311	283.366	ug/L	0.016					
Al	27	0.107769	4134.687	ug/L	0.019					
Si	28	52452.792		ug/L						
P	31	-2.115592	6659.771	ug/L	0.618					
S	32	72553412		ug/L						
Cl	35	8243045.2		ug/L						
K	39	4.240664	783097.5	ug/L	1.28					
Ca	44	-56.62113	31203.24	ug/L	0.637					
Sc	45	148027.5		ug/L						
Ti	47	-0.050838	148.003	ug/L	0.022					
Ti	48	0.203958	-2027.17	ug/L	0.004					
V	51	0.796245	36820.12	ug/L	0.02					
ClO	51	37889.508		ug/L						
Cr	52	0.071186	6828.197	ug/L	0.007					
Cr	53	2.146912	11988.69	ug/L	0.276					
Fe	54	1.915935	44899.79	ug/L	1.168					
Mn	55	-0.147402	1544.48	ug/L	0.007					
Fe	56	-8.972725	2351812	ug/L	53.394					
Fe	57	-2.14363	7590.593	ug/L	0.309					
Co	59	0.012795	216.338	ug/L	0.002					
Ni	60	0.021853	103.002	ug/L	0.001					
Ni	62	0.006867	43.001	ug/L	0.017					
Cu	63	0.053155	397.013	ug/L	0.001					
Zn	64	0.292478	1548.844	ug/L	0.044					
Cu	65	0.046312	172.003	ug/L	0.005					
Zn	66	0.294876	928.723	ug/L	0.027					
Zn	68	0.284079	755.372	ug/L	0.04					
Ge	72	137295.74		ug/L						
As	75	0.091021	-37.253	ug/L	0.057					
Se	74	42.0891	15228.92	mg/L	27.793					
ArCl	77	614.694		ug/L						

Br		79	3767.152	ug/L						
Br		81	19417.576	ug/L						
Y		89	360969.81	ug/L						
Mo		95	0.376767	1422.459	ug/L	0.004				
Rh		103	381175.1	ug/L						
Ag		107	0.845177	10319.63	ug/L	0.023				
Ag		109	0.837418	9802.058	ug/L	0.053				
Cd		111	0.007841	48.667	ug/L	0				
Cd		114	-0.038708	139.002	ug/L	0				
In		115	506357.39	ug/L						
Sb		121	1.056303	11156.62	ug/L	0.008				
Sb		123	1.052518	8549.003	ug/L	0.012				
Ba		137	0.018898	144.003	ug/L	0.005				
Ba		138	0.016774	769.578	ug/L	0.001				
Tb		159	622776.34	ug/L						
Ho		165	597586.07	ug/L						
Hg		200	0.0012	22	ug/L	0				
Hg		202	0.000252	28.667	ug/L	0.001				
Tl		205	0.018532	882.052	ug/L	0				
Pb		208	0.007951	962.362	ug/L	0.002				
Bi		209	426244.19	ug/L						
Se		77	-0.862068	644.023	mg/L	0.286				
Se		78	-5.920305	12970.46	mg/L	1.325				
Se		82	0.371427	63.615	mg/L	0.026				
QC	Calculated Values									
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	81.922								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	77.971
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.458
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.213
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.05
Sample Date/Time Tuesday August 30 2011 0:19:22
Autosampl Position: 63
Sample Description Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.05.18786
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	11969.209		ug/L						
Be	9	0.031828	29	ug/L	0.01					
B	10	175.80977	15142.09	ug/L	3.48					
B	11	179.69148	75926.33	ug/L	7.453					
C	12	748040.39		ug/L						
Na	23	74239.59	4.87E+08	ug/L	1123.267					
Mg	24	18713.124	78703520	ug/L	339.316					
Mg	25	19130.875	11594683	ug/L	39.95					
Al	27	5.757695	43270.42	ug/L	0.097					
Si	28	24511719		ug/L						
P	31	420.93931	148016.6	ug/L	2.355					
S	32	72637743		ug/L						
Cl	35	11057118		ug/L						
K	39	18477.536	1.93E+08	ug/L	366.737					
Ca	44	30129.26	9634120	ug/L	36.748					
Sc	45	191402.01		ug/L						
Ti	47	2.229977	2135.939	ug/L	0.014					
Ti	48	21.26722	183483.5	ug/L	0.537					
V	51	0.094063	39313.22	ug/L	0.068					
ClO	51	40593.501		ug/L						
Cr	52	0.049744	8616.865	ug/L	0.014					
Cr	53	-0.019955	12830.84	ug/L	0.251					
Fe	54	13076.668	8938212	ug/L	198.53					
Mn	55	2778.8229	43858425	ug/L	38.934					
Fe	56	13080.861	1.62E+08	ug/L	241.973					
Fe	57	14014.427	3982264	ug/L	394.526					
Co	59	3.331657	40385.24	ug/L	0.018					
Ni	60	8.975172	25610.95	ug/L	0.123					
Ni	62	8.35759	3645.1	ug/L	0.077					
Cu	63	0.823979	5176.525	ug/L	0.003					
Zn	64	2.671912	9114.552	ug/L	0.014					
Cu	65	0.278002	901.72	ug/L	0.003					
Zn	66	2.620538	5259.907	ug/L	0.026					
Zn	68	5.671736	7800.425	ug/L	0.147					
Ge	72	138892.98		ug/L						
As	75	17.357345	25038.61	ug/L	0.151					
Se	74	106.29223	11879.77	mg/L	15.016					
ArCl	77	980.729		ug/L						

Br	79	389234.65	ug/L						
Br	81	431939.29	ug/L						
Y	89	365790.24	ug/L						
Mo	95	32.400897	115673.5	ug/L	0.489				
Rh	103	366123.48	ug/L						
Ag	107	0.434684	5513.06	ug/L	0.001				
Ag	109	0.432173	5240.563	ug/L	0.001				
Cd	111	0.098018	317.009	ug/L	0.009				
Cd	114	0.038436	670.031	ug/L	0.004				
In	115	501492.55	ug/L						
Sb	121	0.831492	8850.394	ug/L	0.011				
Sb	123	0.843008	6889.603	ug/L	0.011				
Ba	137	173.26471	839067.7	ug/L	2.762				
Ba	138	180.5081	5580907	ug/L	0.99				
Tb	159	644717.35	ug/L						
Ho	165	609406.62	ug/L						
Hg	200	0.06205	156.67	ug/L	0.013				
Hg	202	0.03908	141.669	ug/L	0.001				
Tl	205	0.118471	3717.13	ug/L	0.002				
Pb	208	0.134088	5912.796	ug/L	0.005				
Bi	209	413749.13	ug/L						
Se	77	1.39423	926.714	mg/L	0.045				
Se	78	-7.373885	12359.49	mg/L	0.199				
Se	82	4.546352	879.145	mg/L	0.044				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.927							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	78.878
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.647
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.958
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.06
Sample Date/Time Tuesday August 30 2011 0:25:53
Autosampl Position: 64
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.06.18787
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6156.752		ug/L						
Be	9	-0.015411	8.333	ug/L	0.005					
B	10	1.057348	140.336	ug/L	0.361					
B	11	1.151327	656.364	ug/L	0.286					
C	12	501335.67		ug/L						
Na	23	260.1462	1353294	ug/L	6.019					
Mg	24	14.504195	48453.63	ug/L	0.109					
Mg	25	13.228384	6382.879	ug/L	0.59					
Al	27	1.656053	12383	ug/L	0.086					
Si	28	450118.83		ug/L						
P	31	-0.300847	7246.946	ug/L	0.731					
S	32	74029196		ug/L						
Cl	35	8561671.7		ug/L						
K	39	8.70825	833380.7	ug/L	2.864					
Ca	44	30.194344	53465.45	ug/L	2.091					
Sc	45	150618.86		ug/L						
Ti	47	0.026851	202.671	ug/L	0.042					
Ti	48	0.329533	-1189.49	ug/L	0.003					
V	51	0.747025	37007.54	ug/L	0.016					
ClO	51	38183.421		ug/L						
Cr	52	0.050767	6788.466	ug/L	0.005					
Cr	53	1.901875	11961.32	ug/L	0.221					
Fe	54	9.159708	49565.42	ug/L	2.009					
Mn	55	0.138547	5124.167	ug/L	0.032					
Fe	56	-14.66627	2338142	ug/L	52.2					
Fe	57	6.265885	9599.358	ug/L	0.242					
Co	59	0.005504	150.669	ug/L	0.001					
Ni	60	0.098254	276.007	ug/L	0.013					
Ni	62	0.100311	75.334	ug/L	0.001					
Cu	63	0.099023	622.361	ug/L	0.003					
Zn	64	1.784645	5085.399	ug/L	0.047					
Cu	65	0.086045	266.673	ug/L	0.003					
Zn	66	1.869533	3107.562	ug/L	0.051					
Zn	68	1.812335	2291.645	ug/L	0.017					
Ge	72	141737.72		ug/L						
As	75	0.056804	-89.631	ug/L	0.041					
Se	74	72.380983	14026.43	mg/L	32.05					
ArCl	77	603.026		ug/L						

Br	79	8187.449	ug/L						
Br	81	24721.857	ug/L						
Y	89	381543.57	ug/L						
Mo	95	0.284362	1132.082	ug/L	0.016				
Rh	103	391756.37	ug/L						
Ag	107	0.458056	6080.093	ug/L	0.006				
Ag	109	0.475029	6008.045	ug/L	0.01				
Cd	111	0.003162	36	ug/L	0.001				
Cd	114	-0.040108	134.669	ug/L	0				
In	115	527501.61	ug/L						
Sb	121	0.471197	5604.116	ug/L	0.005				
Sb	123	0.467274	4273.03	ug/L	0.008				
Ba	137	0.330315	1735.85	ug/L	0.01				
Ba	138	0.327417	10903.12	ug/L	0.003				
Tb	159	641388.4	ug/L						
Ho	165	608178.64	ug/L						
Hg	200	0.002701	25.667	ug/L	0.004				
Hg	202	-0.002336	21.667	ug/L	0.001				
Tl	205	0.005804	539.688	ug/L	0.002				
Pb	208	0.020403	1465.727	ug/L	0.001				
Bi	209	452783.04	ug/L						
Se	77	-1.160065	606.687	mg/L	0.075				
Se	78	-5.9882	12941.92	mg/L	0.822				
Se	82	0.007253	-7.523	mg/L	0.051				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	83.356							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	80.494
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.985
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.777
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.07
Sample Date/Time Tuesday August 30 2011 0:32:24
Autosampl Position: 65
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.07.18788
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6009.986		ug/L						
Be	9	-0.009154	12.667	ug/L	0.013					
B	10	168.13153	14141.48	ug/L	13					
B	11	171.80187	70919.34	ug/L	9.013					
C	12	741663.71		ug/L						
Na	23	50255.989	3.22E+08	ug/L	2229.023					
Mg	24	12866.462	52857057	ug/L	537.239					
Mg	25	12563.378	7436365	ug/L	594.026					
Al	27	33.898284	226738.6	ug/L	1.312					
Si	28	18797434		ug/L						
P	31	152.97343	58332.37	ug/L	6.196					
S	32	77266189		ug/L						
Cl	35	9545326.1		ug/L						
K	39	10423.893	1.07E+08	ug/L	420.537					
Ca	44	42816.053	13353218	ug/L	528.895					
Sc	45	187048.06		ug/L						
Ti	47	2.594064	2389.005	ug/L	0.153					
Ti	48	28.559527	241781.2	ug/L	4.407					
V	51	0.246922	40168.62	ug/L	0.116					
ClO	51	41411.52		ug/L						
Cr	52	0.125355	9152.496	ug/L	0.016					
Cr	53	-0.332253	12161.25	ug/L	0.179					
Fe	54	19936.839	13279819	ug/L	1023.658					
Mn	55	1617.8217	24940614	ug/L	76.336					
Fe	56	19884.784	2.39E+08	ug/L	923.683					
Fe	57	21023.573	5831242	ug/L	654.531					
Co	59	2.052022	24341.79	ug/L	0.085					
Ni	60	4.183004	11696.3	ug/L	0.165					
Ni	62	3.356854	1461.132	ug/L	0.079					
Cu	63	0.751256	4625.556	ug/L	0.041					
Zn	64	2.850525	9427.056	ug/L	0.05					
Cu	65	0.39621	1219.761	ug/L	0.007					
Zn	66	2.648872	5187.532	ug/L	0.054					
Zn	68	3.537323	4976.412	ug/L	0.253					
Ge	72	143427.94		ug/L						
As	75	12.25069	18196.99	ug/L	0.076					
Se	74	197.60072	7074.377	mg/L	4.839					
ArCl	77	903.054		ug/L						

Br		79	218293.59	ug/L					
Br		81	248056.81	ug/L					
Y		89	378082.79	ug/L					
Mo		95	0.277432	1120.08	ug/L	0.008			
Rh		103	377275.09	ug/L					
Ag		107	0.162274	2423.347	ug/L	0.001			
Ag		109	0.163785	2315.651	ug/L	0.004			
Cd		111	0.008102	49.667	ug/L	0.001			
Cd		114	-0.02718	220.338	ug/L	0.001			
In		115	508590.18	ug/L					
Sb		121	0.449039	5184.197	ug/L	0.012			
Sb		123	0.458069	4050.296	ug/L	0.01			
Ba		137	54.2774	266628.1	ug/L	0.216			
Ba		138	54.081547	1695963	ug/L	0.182			
Tb		159	637249.21	ug/L					
Ho		165	615642.2	ug/L					
Hg		200	0.006295	34	ug/L	0.001			
Hg		202	0.002022	34.667	ug/L	0.001			
Tl		205	0.006668	570.357	ug/L	0.002			
Pb		208	0.327585	13616.48	ug/L	0.002			
Bi		209	429626.43	ug/L					
Se		77	1.266515	910.713	mg/L	0.738			
Se		78	-6.713349	12637.13	mg/L	0.234			
Se		82	2.727013	523.755	mg/L	0.3			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.517							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	81.454
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.83
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.878
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.08
Sample Date/Time Tuesday August 30 2011 0:38:56
Autosampl Position: 66
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.08.18789
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6575.711		ug/L						
Be	9	0.056163	35.667	ug/L	0.004					
B	10	152.38264	12185.28	ug/L	0.18					
B	11	159.55872	62581.3	ug/L	2.018					
C	12	693676.72		ug/L						
Na	23	75667.205	4.6E+08	ug/L	895.009					
Mg	24	17014.694	66380370	ug/L	36.775					
Mg	25	17161.314	9647321	ug/L	33.752					
Al	27	3.582379	26588.18	ug/L	0.192					
Si	28	27688138		ug/L						
P	31	407.83697	133283.5	ug/L	12.652					
S	32	72783699		ug/L						
Cl	35	9298433.6		ug/L						
K	39	8525.9079	83275116	ug/L	36.515					
Ca	44	19910.872	5923572	ug/L	303.783					
Sc	45	177531.37		ug/L						
Ti	47	2.514184	2205.956	ug/L	0.007					
Ti	48	12.792203	100740.7	ug/L	0.343					
V	51	0.174178	37345.59	ug/L	0.01					
ClO	51	38294.535		ug/L						
Cr	52	-0.017595	7370.928	ug/L	0.004					
Cr	53	-0.013621	11909.92	ug/L	0.191					
Fe	54	12756.68	8089522	ug/L	56.736					
Mn	55	349.18631	5115689	ug/L	0.307					
Fe	56	12462.78	1.43E+08	ug/L	1.128					
Fe	57	13100.42	3453896	ug/L	77.533					
Co	59	1.649964	18609.55	ug/L	0.024					
Ni	60	5.031802	13347.26	ug/L	0.112					
Ni	62	4.793371	1959.898	ug/L	0.161					
Cu	63	0.720102	4218.355	ug/L	0.029					
Zn	64	1.192615	4353.33	ug/L	0.03					
Cu	65	0.140004	461.016	ug/L	0.011					
Zn	66	1.031986	2307.316	ug/L	0					
Zn	68	2.46128	3463.361	ug/L	0.042					
Ge	72	135999.06		ug/L						
As	75	8.17905	11464.17	ug/L	0.1					
Se	74	110.35551	11408.02	mg/L	31.336					
ArCl	77	867.383		ug/L						

Br		79	200901.91	ug/L					
Br		81	231185.17	ug/L					
Y		89	355458.72	ug/L					
Mo		95	4.445392	15620.9	ug/L	0.094			
Rh		103	358042.79	ug/L					
Ag		107	0.118387	1838.871	ug/L	0.001			
Ag		109	0.120209	1757.521	ug/L	0.007			
Cd		111	0.015057	68.001	ug/L	0.004			
Cd		114	-0.027993	206.338	ug/L	0.002			
In		115	488881.25	ug/L					
Sb		121	0.357682	4111.971	ug/L	0.011			
Sb		123	0.368594	3236.718	ug/L	0.007			
Ba		137	72.874456	344092.8	ug/L	0.264			
Ba		138	76.70995	2312240	ug/L	0.39			
Tb		159	619224.53	ug/L					
Ho		165	591238.29	ug/L					
Hg		200	0.003017	25.667	ug/L	0.001			
Hg		202	-0.000347	26.667	ug/L	0			
Tl		205	0.002003	420.681	ug/L	0.001			
Pb		208	0.031651	1851.092	ug/L	0.001			
Bi		209	384589.47	ug/L					
Se		77	0.819509	854.707	mg/L	0.978			
Se		78	-7.142094	12456.92	mg/L	0.02			
Se		82	2.512039	481.762	mg/L	0.117			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.25							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	77.235
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	81.543
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.276
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Tuesday August 30 2011 0:45:22
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.1879
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5921.931		ug/L						
Be	9	-0.017975	7.667	ug/L	0.002					
B	10	0.793139	125.002	ug/L	0.395					
B	11	1.112145	655.364	ug/L	0.244					
C	12	317526.09		ug/L						
Na	23	11.470933	71554.97	ug/L	0.557					
Mg	24	0.763504	3030.829	ug/L	0.231					
Mg	25	0.814323	473.394	ug/L	0.361					
Al	27	0.036161	3894.56	ug/L	0.044					
Si	28	56178.915		ug/L						
P	31	2.697862	8161.157	ug/L	1.673					
S	32	73922161		ug/L						
Cl	35	7997823.4		ug/L						
K	39	2.898322	798296.9	ug/L	1.986					
Ca	44	-65.1	30092.73	ug/L	4.106					
Sc	45	153048.75		ug/L						
Ti	47	-0.05952	147.669	ug/L	0.05					
Ti	48	0.227273	-1929.29	ug/L	0.02					
V	51	0.434386	34632.19	ug/L	0.151					
ClO	51	35583.864		ug/L						
Cr	52	-0.002127	6473.519	ug/L	0.034					
Cr	53	1.034163	11291.12	ug/L	0.625					
Fe	54	15.48182	53868.5	ug/L	9.552					
Mn	55	-0.140579	1685.842	ug/L	0.018					
Fe	56	-59.21812	1941125	ug/L	1.014					
Fe	57	5.079322	9492.585	ug/L	2.173					
Co	59	0.002982	129.002	ug/L	0.002					
Ni	60	0.026622	117.335	ug/L	0					
Ni	62	0.027095	51.334	ug/L	0.01					
Cu	63	0.058069	434.348	ug/L	0.002					
Zn	64	0.015027	938.248	ug/L	0.018					
Cu	65	0.044486	173.337	ug/L	0.005					
Zn	66	-0.00083	547.355	ug/L	0.019					
Zn	68	0.002361	495.685	ug/L	0.017					
Ge	72	139234.22		ug/L						
As	75	0.096141	-30.992	ug/L	0.014					
Se	74	110.47191	11675.5	mg/L	6.457					
ArCl	77	560.356		ug/L						

Br		79	9198.446	ug/L						
Br		81	25156.104	ug/L						
Y		89	374524.46	ug/L						
Mo		95	0.154787	649.03	ug/L	0.016				
Rh		103	393085.38	ug/L						
Ag		107	0.108058	1812.869	ug/L	0.026				
Ag		109	0.105938	1687.509	ug/L	0.024				
Cd		111	0.003581	36.334	ug/L	0.001				
Cd		114	-0.042012	117.669	ug/L	0				
In		115	513677.57	ug/L						
Sb		121	0.224221	2984.186	ug/L	0				
Sb		123	0.214114	2210.946	ug/L	0.011				
Ba		137	0.016385	133.669	ug/L	0.004				
Ba		138	0.013572	679.537	ug/L	0.002				
Tb		159	642614.29	ug/L						
Ho		165	617786.2	ug/L						
Hg		200	-0.000767	18.334	ug/L	0.002				
Hg		202	-0.002341	22	ug/L	0				
Tl		205	0.011718	717.035	ug/L	0				
Pb		208	0.009625	1061.369	ug/L	0.001				
Bi		209	458856.26	ug/L						
Se		77	-1.138778	609.354	mg/L	0.587				
Se		78	-6.179177	12861.65	mg/L	0.901				
Se		82	0.283543	46.448	mg/L	0.025				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	84.701								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	79.072
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.679
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.195
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Tuesday August 30 2011 0:52:18
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.18791
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5751.152		ug/L						
Be	9	73.701732	21737.84	ug/L	0.224					
B	10	77.172471	5073.801	ug/L	2.514					
B	11	77.858265	25074.12	ug/L	0.293					
C	12	328927.21		ug/L						
Na	23	113.54895	574725.4	ug/L	0.335					
Mg	24	114.40652	364952.1	ug/L	0.777					
Mg	25	110.07604	50588.82	ug/L	5.154					
Al	27	108.099	552975.8	ug/L	2.504					
Si	28	194743.77		ug/L						
P	31	5.663628	8454.818	ug/L	5.563					
S	32	72092838		ug/L						
Cl	35	7775938.6		ug/L						
K	39	1116.9539	9545186	ug/L	28.636					
Ca	44	46.44961	55370.3	ug/L	3.197					
Sc	45	144983.09		ug/L						
Ti	47	100.56394	65120.41	ug/L	0.261					
Ti	48	103.47982	689323	ug/L	0.551					
V	51	97.090441	897465.6	ug/L	1.071					
ClO	51	920560.72		ug/L						
Cr	52	98.648019	748810.9	ug/L	1.365					
Cr	53	95.791853	99169.62	ug/L	1.49					
Fe	54	123.4499	106450.5	ug/L	15.032					
Mn	55	96.001159	1150885	ug/L	0.907					
Fe	56	121.23101	3497909	ug/L	2.874					
Fe	57	108.82729	31253.43	ug/L	4.656					
Co	59	95.125	870782.7	ug/L	0.872					
Ni	60	88.809853	191475	ug/L	1.29					
Ni	62	88.577144	28874.75	ug/L	2.895					
Cu	63	95.556543	438026	ug/L	0.393					
Zn	64	85.696458	194850.3	ug/L	0.639					
Cu	65	95.357987	211880.9	ug/L	0.53					
Zn	66	86.529231	114908.1	ug/L	0.751					
Zn	68	85.751852	82725.59	ug/L	0.413					
Ge	72	135486.17		ug/L						
As	75	106.92421	151321.8	ug/L	0.856					
Se	74	6.659815	16948.28	mg/L	34.114					
ArCl	77	10980.406		ug/L						

Br	79	4691.924	ug/L				
Br	81	20457.865	ug/L				
Y	89	360531.61	ug/L				
Mo	95	104.14232	362519.2	ug/L	3.554		
Rh	103	373668.99	ug/L				
Ag	107	47.461205	550255.4	ug/L	1.532		
Ag	109	47.311729	527122.2	ug/L	1.393		
Cd	111	99.090242	298603.4	ug/L	0.449		
Cd	114	100.02094	697896.6	ug/L	1.765		
In	115	506637.61	ug/L				
Sb	121	95.791774	946813.5	ug/L	5.389		
Sb	123	95.731383	728175.4	ug/L	5.288		
Ba	137	109.30204	534819.4	ug/L	0.124		
Ba	138	111.1118	3470607	ug/L	2.194		
Tb	159	620786.97	ug/L				
Ho	165	591747.24	ug/L				
Hg	200	1.042783	2250.968	ug/L	0.01		
Hg	202	1.012111	2874.15	ug/L	0.005		
Tl	205	110.32347	3020944	ug/L	0.019		
Pb	208	98.705547	3748032	ug/L	0.731		
Bi	209	435930.3	ug/L				
Se	77	81.921917	11016.01	mg/L	2.878		
Se	78	74.339585	46704.95	mg/L	3.727		
Se	82	78.064025	15240.09	mg/L	2.399		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	72.972							
|	B	76.942							
|	B	77.625							
|	C								
|	Na	112.092							
|	Mg	113.274							
|	Mg	108.986							
|	Al	107.668							
|	Si								
|	P								
|	S								
|	Cl								
|	K	111.361							
|	Ca	46.035							
|>	Sc	80.237							
|	Ti	100.564							
|	Ti	103.48							
|	V	96.704							
|	ClO								
|	Cr	97.671							

	Cr	94.843
	Fe	122.714
	Mn	95.619
	Fe	120.508
	Fe	108.178
	Co	94.558
	Ni	88.105
	Ni	87.874
	Cu	95.652
	Zn	85.101
	Cu	95.453
	Zn	85.928
-	Zn	85.156
>	Ge	76.943
	As	107.57
	Se	6.647
	ArCl	
	Br	
	Br	
	Y	
-	Mo	103.831
-	Rh	
	Ag	47.085
	Ag	46.936
	Cd	98.597
	Cd	99.523
>	In	84.505
	Sb	95.505
	Sb	95.445
	Ba	108.542
-	Ba	110.339
-	Tb	
>	Ho	87.351
	Hg	104.278
	Hg	101.211
	Tl	110.323
	Pb	98.706
-	Bi	
	Se	81.758
	Se	74.191
	Se	77.908

Sample ID: QC Std 5
Sample Date/Time Tuesday August 30 2011 0:59:12
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.18792
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5888.579		ug/L						
Be	9	30.832217	9375.593	ug/L	1.461					
B	10	123.65223	8329.565	ug/L	7.243					
B	11	127.40281	42106.38	ug/L	4.114					
C	12	323099.82		ug/L						
Na	23	9.360721	59013.49	ug/L	0.312					
Mg	24	0.663585	2630.653	ug/L	0.145					
Mg	25	0.548277	333.373	ug/L	0.068					
Al	27	188.12765	988950.5	ug/L	8.118					
Si	28	96145.439		ug/L						
P	31	0.103237	7313.706	ug/L	3.192					
S	32	72079864		ug/L						
Cl	35	7301731.7		ug/L						
K	39	3.112154	781204.8	ug/L	3.197					
Ca	44	-59.03489	30892.15	ug/L	4.387					
Sc	45	149492.04		ug/L						
Ti	47	0.150591	284.007	ug/L	0.026					
Ti	48	0.411938	-604.711	ug/L	0.053					
V	51	24.443347	255085.2	ug/L	1.283					
ClO	51	259524.54		ug/L						
Cr	52	47.431806	374145.7	ug/L	2.787					
Cr	53	45.753454	54040.02	ug/L	2.667					
Fe	54	204.5123	152750.4	ug/L	7.209					
Mn	55	99.949866	1234008	ug/L	5.891					
Fe	56	199.55622	4347374	ug/L	11.192					
Fe	57	185.02088	49063.6	ug/L	8.645					
Co	59	22.309018	210467.2	ug/L	1.034					
Ni	60	173.36394	385075.9	ug/L	7.147					
Ni	62	173.91211	58387.48	ug/L	6.528					
Cu	63	72.650927	343132.2	ug/L	3.22					
Zn	64	86.285042	202104	ug/L	4.163					
Cu	65	71.747905	164264.4	ug/L	3.053					
Zn	66	87.63329	119875.1	ug/L	4.453					
Zn	68	89.350812	88782.64	ug/L	3.707					
Ge	72	138791.84		ug/L						
As	75	43.766491	63306.37	ug/L	2.106					
Se	74	23.827346	16342.65	mg/L	89.318					
ArCl	77	17424.858		ug/L						

Br	79	3510.38	ug/L			
Br	81	19687.493	ug/L			
Y	89	378251.55	ug/L			
Mo	95	44.325841	157952	ug/L	2.982	
Rh	103	391248.02	ug/L			
Ag	107	50.595508	608093.2	ug/L	7.992	
Ag	109	52.852517	611459.4	ug/L	0.038	
Cd	111	21.971426	68763.11	ug/L	0.33	
Cd	114	22.385658	162498.1	ug/L	0.45	
In	115	526100.92	ug/L			
Sb	121	49.261222	505922.8	ug/L	1.116	
Sb	123	48.979812	387079	ug/L	1.521	
Ba	137	148.02382	752001	ug/L	1.606	
Ba	138	151.82855	4924183	ug/L	1.602	
Tb	159	638850.91	ug/L			
Ho	165	615416.47	ug/L			
Hg	200	1.048617	2352.995	ug/L	0.049	
Hg	202	1.057231	3120.567	ug/L	0.024	
Tl	205	13.832316	394165	ug/L	0.352	
Pb	208	104.44187	4124138	ug/L	1.307	
Bi	209	449642.32	ug/L			
Se	77	131.62269	17243	mg/L	1.025	
Se	78	122.71312	67037.1	mg/L	0.994	
Se	82	125.67808	24541.02	mg/L	1.87	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	72.376							
|	B	77.283							
|	B	79.627							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	106.891							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	82.733							
|	Ti								
|	Ti								
|	V	98.166							
|	ClO								
|	Cr	96.406							

	Cr	92.995
	Fe	114.253
	Mn	94.292
	Fe	111.484
	Fe	103.364
	Co	95.747
	Ni	84.982
	Ni	85.251
	Cu	92.904
	Zn	82.176
	Cu	91.749
	Zn	83.46
-	Zn	85.096
>	Ge	78.821
	As	111.082
	Se	14.892
	ArCl	
	Br	
	Br	
	Y	
-	Mo	105.79
-	Rh	
	Ag	100.587
	Ag	105.075
	Cd	94.704
	Cd	96.49
>	In	87.751
	Sb	105.938
	Sb	105.333
	Ba	104.981
-	Ba	107.68
-	Tb	
>	Ho	90.845
	Hg	104.862
	Hg	105.723
	Tl	97.411
	Pb	100.425
-	Bi	
	Se	82.264
	Se	76.696
	Se	78.549

Sample ID: QC Std 6
Sample Date/Time Tuesday August 30 2011 1:06:07
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18793
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5949.947		ug/L						
Be	9	-0.008267	11	ug/L	0.002					
B	10	0.445722	103.668	ug/L	0.263					
B	11	0.662078	517.02	ug/L	0.085					
C	12	335444.37		ug/L						
Na	23	10469.356	56455525	ug/L	31.583					
Mg	24	10767.417	37241081	ug/L	193.838					
Mg	25	10700.413	5332839	ug/L	325.688					
Al	27	11291.544	62321559	ug/L	385.484					
Si	28	53348.096		ug/L						
P	31	11766.04	3195866	ug/L	307.463					
S	32	69384532		ug/L						
Cl	35	6866889.8		ug/L						
K	39	10452.549	90328435	ug/L	191.382					
Ca	44	10173.167	2706599	ug/L	167.075					
Sc	45	157385.33		ug/L						
Ti	47	24.85855	17619.57	ug/L	0.687					
Ti	48	7.615781	51703.54	ug/L	0.775					
V	51	-0.109103	30356.57	ug/L	0.022					
ClO	51	31294.766		ug/L						
Cr	52	0.065699	7215.358	ug/L	0.009					
Cr	53	-0.669468	9893.48	ug/L	0.147					
Fe	54	10293.697	5796099	ug/L	594.071					
Mn	55	-0.109067	2138.942	ug/L	0.02					
Fe	56	10304.603	1.05E+08	ug/L	364.066					
Fe	57	11291.535	2640302	ug/L	146.131					
Co	59	0.032397	424.681	ug/L	0.004					
Ni	60	0.242163	625.028	ug/L	0.002					
Ni	62	0.050173	61.001	ug/L	0.022					
Cu	63	0.207205	1188.423	ug/L	0.004					
Zn	64	0.485326	2121.203	ug/L	0.02					
Cu	65	0.136112	399.346	ug/L	0.003					
Zn	66	0.402736	1142.417	ug/L	0.007					
Zn	68	0.37988	903.054	ug/L	0.051					
Ge	72	137135.36		ug/L						
As	75	0.185027	94.596	ug/L	0.088					
Se	74	99.854172	11972.64	mg/L	100.36					
ArCl	77	570.357		ug/L						

Br	79	3093.224	ug/L						
Br	81	19195.102	ug/L						
Y	89	360236.15	ug/L						
Mo	95	0.299646	1145.084	ug/L	0.058				
Rh	103	367474.8	ug/L						
Ag	107	0.394788	5011.831	ug/L	0.132				
Ag	109	0.336661	4149.006	ug/L	0.069				
Cd	111	0.016417	73.001	ug/L	0				
Cd	114	-0.029583	198.671	ug/L	0.003				
In	115	496253.8	ug/L						
Sb	121	0.938405	9798.066	ug/L	0.085				
Sb	123	0.908975	7312.859	ug/L	0.078				
Ba	137	0.061339	344.677	ug/L	0.008				
Ba	138	0.061568	2124.858	ug/L	0.001				
Tb	159	625172.44	ug/L						
Ho	165	588054.26	ug/L						
Hg	200	0.012037	44.667	ug/L	0.001				
Hg	202	0.01083	57.667	ug/L	0.003				
Tl	205	0.010865	658.697	ug/L	0.002				
Pb	208	0.040502	2174.791	ug/L	0.002				
Bi	209	429699.06	ug/L						
Se	77	-1.330348	585.352	mg/L	0.256				
Se	78	-5.966538	12951.02	mg/L	0.32				
Se	82	0.358521	61.094	mg/L	0.029				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	104.694							
|	Mg	107.674							
|	Mg	107.004							
|	Al	112.915							
|	Si								
|	P	117.66							
|	S								
|	Cl								
|	K	104.525							
|	Ca	101.732							
|>	Sc	87.101							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	102.937
|	Mn	
|	Fe	103.046
|	Fe	112.915
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	77.88
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	82.773
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	86.806
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.09
Sample Date/Time Tuesday August 30 2011 1:13:08
Autosampl Position: 67
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.09.18794
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6252.817		ug/L						
Be	9	-0.019106	9	ug/L	0.013					
B	10	161.34234	13622	ug/L	2.233					
B	11	166.23264	68859.21	ug/L	1.569					
C	12	621785.04		ug/L						
Na	23	61540.359	3.95E+08	ug/L	644.776					
Mg	24	19595.908	80746291	ug/L	370.519					
Mg	25	19317.105	11470753	ug/L	76.351					
Al	27	42.998401	287232.9	ug/L	1.301					
Si	28	35164956		ug/L						
P	31	237.51677	85801.55	ug/L	1.339					
S	32	69439671		ug/L						
Cl	35	9990192		ug/L						
K	39	18811.584	1.93E+08	ug/L	68.047					
Ca	44	40380.13	12630932	ug/L	60.723					
Sc	45	187525.13		ug/L						
Ti	47	3.755329	3366.991	ug/L	0.035					
Ti	48	26.434671	224427.7	ug/L	2.296					
V	51	0.174794	39455.17	ug/L	0.005					
ClO	51	41121.876		ug/L						
Cr	52	0.134224	9263.525	ug/L	0.018					
Cr	53	-0.906425	11502.39	ug/L	0.094					
Fe	54	20513.617	13705883	ug/L	304.847					
Mn	55	900.19725	13923313	ug/L	7.69					
Fe	56	20609.643	2.48E+08	ug/L	134.997					
Fe	57	21791.132	6061620	ug/L	110.286					
Co	59	2.610832	31031.52	ug/L	0.04					
Ni	60	5.638722	15791.2	ug/L	0.003					
Ni	62	4.927504	2126.603	ug/L	0.099					
Cu	63	0.865334	5315.941	ug/L	0.031					
Zn	64	0.908228	3765.77	ug/L	0.001					
Cu	65	0.418536	1287.104	ug/L	0.012					
Zn	66	0.719978	1903.552	ug/L	0.014					
Zn	68	2.141756	3261.618	ug/L	0.056					
Ge	72	134137.12		ug/L						
As	75	109.16548	152948.1	ug/L	0.628					
Se	74	131.81762	10094.55	mg/L	54.234					
ArCl	77	907.388		ug/L						

Br		79	210578.6	ug/L						
Br		81	241605.89	ug/L						
Y		89	363287.53	ug/L						
Mo		95	3.003765	10438.76	ug/L	0.039				
Rh		103	348685.15	ug/L						
Ag		107	0.142997	2075.925	ug/L	0.011				
Ag		109	0.12751	1803.197	ug/L	0.008				
Cd		111	0.015975	69.334	ug/L	0.004				
Cd		114	-0.032316	174.003	ug/L	0.002				
In		115	480236.1	ug/L						
Sb		121	0.432071	4734.614	ug/L	0.028				
Sb		123	0.435573	3661.412	ug/L	0.021				
Ba		137	71.387048	331092	ug/L	0.836				
Ba		138	73.430101	2174136	ug/L	0.858				
Tb		159	614440.68	ug/L						
Ho		165	586443.04	ug/L						
Hg		200	0.010508	41.334	ug/L	0.001				
Hg		202	0.007387	48.001	ug/L	0.001				
Tl		205	0.000527	377.012	ug/L	0				
Pb		208	0.282125	11260.85	ug/L	0.001				
Bi		209	397847.25	ug/L						
Se		77	1.394231	926.714	mg/L	0.376				
Se		78	-6.882675	12565.96	mg/L	0.428				
Se		82	2.332267	446.646	mg/L	0.23				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	103.781								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	76.177
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	80.101
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.568
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.1
Sample Date/Time Tuesday August 30 2011 1:19:40
Autosampl Position: 68
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.10.18795
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5740.479		ug/L						
Be	9	0.001646	16.334	ug/L	0.001					
B	10	228.35143	18613.22	ug/L	0.158					
B	11	231.48546	92608.61	ug/L	1.963					
C	12	641971.38		ug/L						
Na	23	87025.392	5.41E+08	ug/L	195.371					
Mg	24	21268.647	84770856	ug/L	106.107					
Mg	25	21403.991	12292733	ug/L	177.841					
Al	27	87.18692	558881.7	ug/L	0.308					
Si	28	35029111		ug/L						
P	31	119.98263	46288.87	ug/L	2.954					
S	32	69819158		ug/L						
Cl	35	11496763		ug/L						
K	39	21686.705	2.15E+08	ug/L	340.935					
Ca	44	40877.858	12366618	ug/L	449.219					
Sc	45	181368.69		ug/L						
Ti	47	9.968475	8276.183	ug/L	0.212					
Ti	48	37.694735	311459.8	ug/L	0.851					
V	51	0.918272	46477.32	ug/L	0.093					
ClO	51	47738.495		ug/L						
Cr	52	0.28279	10359.64	ug/L	0.004					
Cr	53	0.586545	12867.9	ug/L	0.05					
Fe	54	9472.3015	6150864	ug/L	257.504					
Mn	55	109.74374	1645386	ug/L	1.046					
Fe	56	9334.505	1.1E+08	ug/L	68.506					
Fe	57	9889.7014	2666193	ug/L	50.774					
Co	59	0.39151	4601.544	ug/L	0.003					
Ni	60	6.191872	16763.28	ug/L	0.16					
Ni	62	5.43528	2263.971	ug/L	0.135					
Cu	63	1.129121	6654.168	ug/L	0.022					
Zn	64	2.641521	8550.725	ug/L	0.02					
Cu	65	0.526699	1545.48	ug/L	0.014					
Zn	66	2.453744	4708.6	ug/L	0.014					
Zn	68	4.691113	6214.52	ug/L	0.164					
Ge	72	131331.17		ug/L						
As	75	50.531918	69233.77	ug/L	0.02					
Se	74	111.95132	10932.29	mg/L	45.102					
ArCl	77	1005.399		ug/L						

Br		79	261160.53	ug/L						
Br		81	291262.43	ug/L						
Y		89	355221.05	ug/L						
Mo		95	2.371143	8087.343	ug/L	0.022				
Rh		103	343797.08	ug/L						
Ag		107	0.070234	1270.435	ug/L	0.007				
Ag		109	0.074441	1236.763	ug/L	0				
Cd		111	0.020086	80.668	ug/L	0.003				
Cd		114	-0.018995	260.673	ug/L	0				
In		115	477557.04	ug/L						
Sb		121	0.321929	3684.117	ug/L	0				
Sb		123	0.317523	2795.98	ug/L	0.003				
Ba		137	118.24223	545349	ug/L	0.058				
Ba		138	122.0451	3593491	ug/L	0.658				
Tb		159	625960.14	ug/L						
Ho		165	595003.63	ug/L						
Hg		200	0.018146	58.334	ug/L	0.003				
Hg		202	0.010066	56.334	ug/L	0.004				
Tl		205	-0.002055	311.342	ug/L	0.001				
Pb		208	0.25879	10532.49	ug/L	0.009				
Bi		209	385518.33	ug/L						
Se		77	2.117965	1017.39	mg/L	0.557				
Se		78	-6.580027	12693.17	mg/L	0.19				
Se		82	3.186028	613.419	mg/L	0.355				
QC	Calculated Values									
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	100.374								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	74.584
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	79.654
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.832
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.11
Sample Date/Time Tuesday August 30 2011 1:26:10
Autosampl Position: 69
Sample Description Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.11.18796
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5509.669		ug/L						
Be	9	0.000168	14	ug/L	0.003					
B	10	36.777278	2720.768	ug/L	2.281					
B	11	39.382776	14220.59	ug/L	1.25					
C	12	657327.11		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	3240.0663	11456072	ug/L	101.694					
Mg	25	3013.3344	1535232	ug/L	97.231					
Al	27	3.545226	23883.75	ug/L	0.24					
Si	28	19576915		ug/L						
P	31	37.579347	18233.43	ug/L	2.734					
S	32	68044975		ug/L						
Cl	35	11731805		ug/L						
K	39	5811.1703	51698807	ug/L	166.907					
Ca	44	4960.6105	1374469	ug/L	72.116					
Sc	45	160922.57		ug/L						
Ti	47	1.33724	1155.752	ug/L	0.041					
Ti	48	4.076117	26544.5	ug/L	0.402					
V	51	0.920353	41261.85	ug/L	0.013					
ClO	51	42721.911		ug/L						
Cr	52	0.086228	7547.509	ug/L	0.028					
Cr	53	2.428169	13324.89	ug/L	0.163					
Fe	54	218.84077	172663.5	ug/L	8.099					
Mn	55	55.673101	742301.1	ug/L	0.899					
Fe	56	196.71351	4652003	ug/L	15.323					
Fe	57	221.73565	61594.12	ug/L	7.154					
Co	59	0.120671	1330.777	ug/L	0.005					
Ni	60	4.631735	11140.6	ug/L	0.072					
Ni	62	4.774523	1769.523	ug/L	0.121					
Cu	63	1.903043	9840.755	ug/L	0.001					
Zn	64	0.5589	2353.701	ug/L	0.005					
Cu	65	0.13968	417.347	ug/L	0.014					
Zn	66	0.488462	1293.438	ug/L	0.047					
Zn	68	1.388761	1997.573	ug/L	0.007					
Ge	72	129675.87		ug/L						
As	75	2.153995	2763.331	ug/L	0.111					
Se	74	82.676668	12283.13	mg/L	39.69					
ArCl	77	1065.74		ug/L						

Br	79	491793.32	ug/L			
Br	81	535981.09	ug/L			
Y	89	352907.85	ug/L			
Mo	95	0.223862	834.713	ug/L	0.015	
Rh	103	352031.11	ug/L			
Ag	107	0.043235	975.395	ug/L	0.005	
Ag	109	0.044432	921.056	ug/L	0.008	
Cd	111	0.002345	30.334	ug/L	0	
Cd	114	-0.041747	111.002	ug/L	0.002	
In	115	477847.7	ug/L			
Sb	121	0.190184	2458.357	ug/L	0.004	
Sb	123	0.196475	1929.08	ug/L	0.006	
Ba	137	39.020003	180036.5	ug/L	0.91	
Ba	138	38.993353	1148383	ug/L	1.166	
Tb	159	630855.95	ug/L			
Ho	165	602202.55	ug/L			
Hg	200	0.028837	82.335	ug/L	0.004	
Hg	202	0.014275	69.001	ug/L	0.001	
Tl	205	-0.004179	256.006	ug/L	0.001	
Pb	208	0.031362	1874.428	ug/L	0.001	
Bi	209	395557.26	ug/L			
Se	77	2.181823	1025.391	mg/L	0.015	
Se	78	-6.323775	12800.87	mg/L	0.661	
Se	82	5.514992	1068.359	mg/L	0.323	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	89.059							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	73.644
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	79.703
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.894
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.13
Sample Date/Time Tuesday August 30 2011 1:32:42
Autosampl Position: 70
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.13.18797
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5619.07		ug/L						
Be	9	-0.002607	13.333	ug/L	0.013					
B	10	135.30863	9943.871	ug/L	0.042					
B	11	139.75748	50374.42	ug/L	0.493					
C	12	1127426.7		ug/L						
Na	23	17271.684	96446088	ug/L	199.228					
Mg	24	9008.6713	32257495	ug/L	297.776					
Mg	25	9160.0784	4727478	ug/L	133.788					
Al	27	164.05759	941311.2	ug/L	5.309					
Si	28	17663087		ug/L						
P	31	357.94061	108390.1	ug/L	0.312					
S	32	78300860		ug/L						
Cl	35	8286639		ug/L						
K	39	3618.9973	32923012	ug/L	75.362					
Ca	44	26068.975	7103328	ug/L	780.165					
Sc	45	163018.58		ug/L						
Ti	47	4.802064	3685.784	ug/L	0.107					
Ti	48	25.602814	188837.2	ug/L	0.791					
V	51	2.382074	56477.79	ug/L	0.166					
ClO	51	58258.664		ug/L						
Cr	52	0.215844	8741.661	ug/L	0.024					
Cr	53	1.119276	12121.2	ug/L	0.275					
Fe	54	2963.6687	1761737	ug/L	131.462					
Mn	55	2181.1538	29314676	ug/L	42.929					
Fe	56	2982.7416	33508817	ug/L	50.836					
Fe	57	2969.5023	725635.6	ug/L	35.691					
Co	59	2.040856	21098.67	ug/L	0.088					
Ni	60	2.406444	5890.3	ug/L	0.082					
Ni	62	2.047776	794.376	ug/L	0.031					
Cu	63	1.468975	7731.698	ug/L	0.009					
Zn	64	22.599676	58470.35	ug/L	0.504					
Cu	65	1.443768	3679.115	ug/L	0.018					
Zn	66	22.545479	34088.13	ug/L	0.484					
Zn	68	22.674983	24977.52	ug/L	0.267					
Ge	72	133088.45		ug/L						
As	75	3.680198	4958.493	ug/L	0.096					
Se	74	49.673667	14373.93	mg/L	35.688					
ArCl	77	731.037		ug/L						

Br	79	67627.019	ug/L						
Br	81	87674.183	ug/L						
Y	89	362234.55	ug/L						
Mo	95	0.778369	2751.444	ug/L	0.009				
Rh	103	367061.06	ug/L						
Ag	107	0.031183	896.72	ug/L	0.001				
Ag	109	0.030584	824.712	ug/L	0.005				
Cd	111	0.044624	159.67	ug/L	0.006				
Cd	114	0.044069	717.369	ug/L	0.002				
In	115	507321.18	ug/L						
Sb	121	0.276182	3461.36	ug/L	0.003				
Sb	123	0.273526	2635.464	ug/L	0.005				
Ba	137	44.921561	220126.7	ug/L	0.123				
Ba	138	44.851806	1402929	ug/L	1.016				
Tb	159	622677.53	ug/L						
Ho	165	603639.82	ug/L						
Hg	200	0.015899	54.334	ug/L	0.004				
Hg	202	0.01201	62.668	ug/L	0.001				
Tl	205	0.022869	1012.066	ug/L	0.001				
Pb	208	4.435842	172459.3	ug/L	0.031				
Bi	209	413127.9	ug/L						
Se	77	-0.415071	700.027	mg/L	0.166				
Se	78	-6.770239	12613.22	mg/L	0.128				
Se	82	1.037704	193.766	mg/L	0.175				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.219							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	75.582
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.619
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.107
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.14
Sample Date/Time Tuesday August 30 2011 1:39:14
Autosampl Position: 71
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.14.18798
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5745.815		ug/L						
Be	9	-0.024516	6	ug/L	0.003					
B	10	224.82284	16446.36	ug/L	3.041					
B	11	232.35795	83416.14	ug/L	2.84					
C	12	845956.96		ug/L						
Na	23	20454.531	1.14E+08	ug/L	96.292					
Mg	24	7297.4868	26101420	ug/L	14.281					
Mg	25	7291.0869	3757674	ug/L	161.357					
Al	27	35.969393	209217.6	ug/L	0.54					
Si	28	16686551		ug/L						
P	31	250.8557	78209.44	ug/L	2.302					
S	32	73380500		ug/L						
Cl	35	8361818.8		ug/L						
K	39	14072.064	1.25E+08	ug/L	53.907					
Ca	44	29246.514	7953748	ug/L	688.855					
Sc	45	162760.07		ug/L						
Ti	47	3.30876	2598.397	ug/L	0.091					
Ti	48	22.3809	164421	ug/L	1.009					
V	51	0.687433	39392.56	ug/L	0.036					
ClO	51	40413.7		ug/L						
Cr	52	0.234502	8888.365	ug/L	0.017					
Cr	53	0.934409	11912.59	ug/L	0.189					
Fe	54	4697.9141	2761720	ug/L	25.883					
Mn	55	2065.2583	27721117	ug/L	4.919					
Fe	56	4553.6965	49677498	ug/L	120.073					
Fe	57	4433.8962	1077555	ug/L	100.551					
Co	59	2.626185	27092.92	ug/L	0.036					
Ni	60	4.034599	9824.071	ug/L	0.078					
Ni	62	3.574579	1351.447	ug/L	0.174					
Cu	63	3.231767	16788.66	ug/L	0.015					
Zn	64	13.84438	36144.88	ug/L	0.106					
Cu	65	3.173402	7987.254	ug/L	0.038					
Zn	66	13.971199	21319.18	ug/L	0.094					
Zn	68	14.164934	15778.17	ug/L	0.002					
Ge	72	135235.82		ug/L						
As	75	7.042663	9794.007	ug/L	0.141					
Se	74	130.33456	10279.11	mg/L	9.669					
ArCl	77	748.038		ug/L						

Br	79	99092.168	ug/L						
Br	81	121438.32	ug/L						
Y	89	356595.29	ug/L						
Mo	95	1.500422	5303.6	ug/L	0.011				
Rh	103	360296.51	ug/L						
Ag	107	0.041705	1009.733	ug/L	0.001				
Ag	109	0.041993	943.725	ug/L	0.001				
Cd	111	0.064031	216.338	ug/L	0.002				
Cd	114	0.02246	561.356	ug/L	0				
In	115	502806.98	ug/L						
Sb	121	0.328057	3938.893	ug/L	0.002				
Sb	123	0.320937	2969.249	ug/L	0.01				
Ba	137	23.422136	113776.3	ug/L	0.139				
Ba	138	23.619164	732370.8	ug/L	0.279				
Tb	159	619217.97	ug/L						
Ho	165	598712.14	ug/L						
Hg	200	0.007802	36.334	ug/L	0.001				
Hg	202	0.007626	49.667	ug/L	0.003				
Tl	205	0.024697	1054.405	ug/L	0.001				
Pb	208	0.541938	21476.19	ug/L	0.005				
Bi	209	416086.08	ug/L						
Se	77	-0.170286	730.696	mg/L	0.301				
Se	78	-6.54181	12709.23	mg/L	0.268				
Se	82	1.319118	248.737	mg/L	0.098				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.076							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	76.801
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.866
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.379
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.15
Sample Date/Time Tuesday August 30 2011 1:45:46
Autosampl Position: 72
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.15.18799
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5660.429		ug/L						
Be	9	-0.010051	10.333	ug/L	0.011					
B	10	129.87416	9147.024	ug/L	0.61					
B	11	135.0044	46629.42	ug/L	0.425					
C	12	744987.23		ug/L						
Na	23	23751.731	1.27E+08	ug/L	390.534					
Mg	24	7491.5831	25713939	ug/L	43.487					
Mg	25	7578.291	3747937	ug/L	19.849					
Al	27	36.713283	204808.9	ug/L	1.256					
Si	28	14340161		ug/L						
P	31	73.988711	27501.08	ug/L	7.109					
S	32	76416397		ug/L						
Cl	35	8494479.8		ug/L						
K	39	11183.263	95839493	ug/L	242.738					
Ca	44	25757.441	6727224	ug/L	389.291					
Sc	45	156184.96		ug/L						
Ti	47	2.69441	2066.256	ug/L	0.05					
Ti	48	22.481511	158468.6	ug/L	0.827					
V	51	0.630457	37249.87	ug/L	0.054					
ClO	51	38272.446		ug/L						
Cr	52	0.298092	9045.153	ug/L	0.001					
Cr	53	1.229761	11727.68	ug/L	0.118					
Fe	54	965.77257	581617.1	ug/L	5.766					
Mn	55	398.06299	5130136	ug/L	1.378					
Fe	56	964.71374	12123456	ug/L	8.674					
Fe	57	1002.3366	240332.4	ug/L	7.718					
Co	59	0.532635	5353.963	ug/L	0.007					
Ni	60	2.870167	6722.219	ug/L	0.069					
Ni	62	2.31212	854.049	ug/L	0.051					
Cu	63	2.379479	11901.91	ug/L	0.048					
Zn	64	11.682245	29412.53	ug/L	0.048					
Cu	65	2.285795	5540.076	ug/L	0.034					
Zn	66	11.42259	16827.06	ug/L	0.151					
Zn	68	11.315949	12196.3	ug/L	0.103					
Ge	72	135218.44		ug/L						
As	75	1.526565	1991.723	ug/L	0.053					
Se	74	51.193159	14454.3	mg/L	110.12					
ArCl	77	708.368		ug/L						

Br		79	79352.214	ug/L					
Br		81	100075.43	ug/L					
Y		89	363309.02	ug/L					
Mo		95	0.589813	2140.273	ug/L	0.011			
Rh		103	368765.38	ug/L					
Ag		107	0.01804	737.037	ug/L	0.001			
Ag		109	0.01819	680.032	ug/L	0.001			
Cd		111	0.007196	46.334	ug/L	0.002			
Cd		114	-0.038593	138.669	ug/L	0			
In		115	502298.77	ug/L					
Sb		121	0.241434	3086.555	ug/L	0.003			
Sb		123	0.243952	2385.944	ug/L	0.012			
Ba		137	18.838926	91428.03	ug/L	0.21			
Ba		138	19.039029	589842.5	ug/L	0.11			
Tb		159	635134.51	ug/L					
Ho		165	600318.33	ug/L					
Hg		200	0.004531	29.334	ug/L	0			
Hg		202	0.000673	30	ug/L	0.003			
Tl		205	0.00366	473.017	ug/L	0.001			
Pb		208	0.44603	17839.71	ug/L	0.006			
Bi		209	413974.85	ug/L					
Se		77	-0.393786	702.694	mg/L	0.075			
Se		78	-6.378158	12778.01	mg/L	0.229			
Se		82	1.118655	209.579	mg/L	0.176			

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	86.437							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	76.791
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.781
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.616
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.16
Sample Date/Time Tuesday August 30 2011 1:52:18
Autosampl Position: 73
Sample Descriptior Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.16.18800
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5833.871		ug/L						
Be	9	0.017018	22	ug/L	0.008					
B	10	295.97747	24118.19	ug/L	3.152					
B	11	305.87601	122348	ug/L	3.161					
C	12	725680.7		ug/L						
Na	23	80873.813	5.03E+08	ug/L	210.772					
Mg	24	20787.211	82913791	ug/L	74.384					
Mg	25	20638.502	11861298	ug/L	232.908					
Al	27	9.732054	66327.71	ug/L	0.012					
Si	28	28965981		ug/L						
P	31	254.05044	88204.66	ug/L	7.434					
S	32	71064655		ug/L						
Cl	35	9495154		ug/L						
K	39	29974.12	2.97E+08	ug/L	902.312					
Ca	44	55258.746	16707526	ug/L	1568.269					
Sc	45	181510.24		ug/L						
Ti	47	2.731024	2430.349	ug/L	0.075					
Ti	48	35.742703	295441.4	ug/L	2.361					
V	51	0.768406	44835.07	ug/L	0.043					
ClO	51	45848.113		ug/L						
Cr	52	0.348755	10988.53	ug/L	0.016					
Cr	53	-0.005277	12185.28	ug/L	0.148					
Fe	54	31353.706	20248010	ug/L	438.205					
Mn	55	2677.7211	40076335	ug/L	57.619					
Fe	56	31805.296	3.69E+08	ug/L	323.145					
Fe	57	32845.965	8837634	ug/L	792.08					
Co	59	0.783182	9093.637	ug/L	0.002					
Ni	60	5.448111	14769.8	ug/L	0.033					
Ni	62	4.577712	1915.888	ug/L	0.047					
Cu	63	0.975325	5776.559	ug/L	0.024					
Zn	64	1.844012	6296.725	ug/L	0.03					
Cu	65	0.416741	1240.764	ug/L	0.014					
Zn	66	1.621843	3335.312	ug/L	0					
Zn	68	3.350704	4608.547	ug/L	0.086					
Ge	72	131770.8		ug/L						
As	75	6.353239	8592.294	ug/L	0.033					
Se	74	234.31351	4578.451	mg/L	17.233					
ArCl	77	864.383		ug/L						

Br	79	395253.31	ug/L						
Br	81	431714.94	ug/L						
Y	89	343678.97	ug/L						
Mo	95	0.287721	1063.74	ug/L	0.005				
Rh	103	341648.56	ug/L						
Ag	107	0.023314	737.704	ug/L	0				
Ag	109	0.022742	675.365	ug/L	0				
Cd	111	0.003777	33.334	ug/L	0.002				
Cd	114	0.014041	464.683	ug/L	0.002				
In	115	464579.38	ug/L						
Sb	121	0.141692	1950.229	ug/L	0.01				
Sb	123	0.145756	1522.029	ug/L	0.006				
Ba	137	96.608101	433322.5	ug/L	2.36				
Ba	138	100.86875	2887713	ug/L	3.926				
Tb	159	616412.58	ug/L						
Ho	165	590935.1	ug/L						
Hg	200	-0.000087	19	ug/L	0.001				
Hg	202	-0.000104	27.334	ug/L	0.001				
Tl	205	-0.004968	229.672	ug/L	0				
Pb	208	0.029733	1777.752	ug/L	0				
Bi	209	393998.83	ug/L						
Se	77	1.330375	918.713	mg/L	0.888				
Se	78	-8.109863	12050.15	mg/L	0.109				
Se	82	4.528106	875.581	mg/L	0.074				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.452							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	74.833
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	77.49
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.231
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.16 MS
Sample Date/Time Tuesday August 30 2011 1:58:50
Autosampl Position: 74
Sample Description Aqtot post digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MS.18801
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5889.908		ug/L						
Be	9	604.60923	214097.5	ug/L	1.274					
B	10	297.96325	23295.04	ug/L	6.059					
B	11	301.14836	115577.9	ug/L	6.024					
C	12	1154737.9		ug/L						
Na	23	91115.533	5.44E+08	ug/L	359.291					
Mg	24	30651.379	1.17E+08	ug/L	807.524					
Mg	25	31038.394	17115739	ug/L	275.823					
Al	27	10397.713	63496489	ug/L	209.95					
Si	28	28074349		ug/L						
P	31	10930.226	3285219	ug/L	438.082					
S	32	76825076		ug/L						
Cl	35	11287931		ug/L						
K	39	40103.025	3.81E+08	ug/L	545.809					
Ca	44	65614.562	19027160	ug/L	458.262					
Sc	45	174152.31		ug/L						
Ti	47	25.300992	19839.82	ug/L	0.157					
Ti	48	63.158283	503686.7	ug/L	3.399					
V	51	875.28133	9440121	ug/L	15.514					
ClO	51	9679906		ug/L						
Cr	52	835.92803	7566915	ug/L	18.332					
Cr	53	726.75323	826752	ug/L	10.812					
Fe	54	41104.947	25453085	ug/L	1010.437					
Mn	55	3505.883	50346044	ug/L	63.321					
Fe	56	40753.531	4.53E+08	ug/L	372.607					
Fe	57	42193.799	10890854	ug/L	632.08					
Co	59	795.40488	8745362	ug/L	13.86					
Ni	60	648.6787	1679663	ug/L	5.542					
Ni	62	647.95535	253485.9	ug/L	4.51					
Cu	63	709.28686	3904385	ug/L	4.529					
Zn	64	631.08578	1717232	ug/L	7.095					
Cu	65	673.46209	1797091	ug/L	3.296					
Zn	66	650.11876	1033071	ug/L	6.922					
Zn	68	638.91203	736728.4	ug/L	1.816					
Ge	72	133479.56		ug/L						
As	75	956.01586	1334058	ug/L	13.244					
Se	74	71.156201	13256.87	mg/L	48.111					
ArCl	77	98105.848		ug/L						

Br	79	375227.51		ug/L			
Br	81	410706.48		ug/L			
Y	89	340568.21		ug/L			
Mo	95	1149.6228	3940319	ug/L	31.811		
Rh	103	338042.6		ug/L			
Ag	107	861.80131	9341506	ug/L	17.9		
Ag	109	836.5391	8714444	ug/L	2.022		
Cd	111	1032.114	2910176	ug/L	2.468		
Cd	114	1039.7646	6785475	ug/L	1.715		
In	115	474080.61		ug/L			
Sb	121	1174.3036	10855164	ug/L	27.295		
Sb	123	1151.6679	8192783	ug/L	24.035		
Ba	137	1222.444	5596574	ug/L	2.944		
Ba	138	1218.7329	35620780	ug/L	2.107		
Tb	159	609587.24		ug/L			
Ho	165	587011.85		ug/L			
Hg	200	1.019478	2183.284	ug/L	0.007		
Hg	202	0.976876	2752.444	ug/L	0.022		
Tl	205	1005.6138	27310342	ug/L	13.336		
Pb	208	975.62282	36743365	ug/L	6.241		
Bi	209	385397.86		ug/L			
Se	77	778.81027	98328.97	mg/L	11.866		
Se	78	739.83019	326421.1	mg/L	2.026		
Se	82	707.81192	138255	mg/L	1.026		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.38							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	75.804
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	79.074
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.652
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.16 MSD
Sample Date/Time Tuesday August 30 2011 2:05:22
Autosampl Position: 75
Sample Description Aqtot post digestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MSD.18802
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6043.342		ug/L						
Be	9	617.89156	214968.4	ug/L	10.269					
B	10	297.05635	22820.84	ug/L	2.053					
B	11	308.11479	116179.8	ug/L	5.312					
C	12	1145282.8		ug/L						
Na	23	93023.396	5.45E+08	ug/L	3416.141					
Mg	24	31234.833	1.17E+08	ug/L	1138.391					
Mg	25	30989.292	16789526	ug/L	566.932					
Al	27	10636.294	63810642	ug/L	363.997					
Si	28	28097599		ug/L						
P	31	10980.704	3243253	ug/L	64					
S	32	72868030		ug/L						
Cl	35	11215361		ug/L						
K	39	40403.91	3.77E+08	ug/L	926.757					
Ca	44	65176.874	18570344	ug/L	877.081					
Sc	45	171123.77		ug/L						
Ti	47	24.229492	18677.02	ug/L	0.238					
Ti	48	56.349825	442403.5	ug/L	18.416					
V	51	895.3191	9487221	ug/L	10.398					
ClO	51	9743298.5		ug/L						
Cr	52	854.21003	7598191	ug/L	2.26					
Cr	53	738.09162	824825	ug/L	9.706					
Fe	54	41160.413	25045097	ug/L	235.747					
Mn	55	3555.2586	50161273	ug/L	79.478					
Fe	56	41854.554	4.57E+08	ug/L	769.287					
Fe	57	43702.806	11085035	ug/L	299.348					
Co	59	826.73127	8930779	ug/L	16.897					
Ni	60	649.57142	1652448	ug/L	15.892					
Ni	62	654.92282	251700.4	ug/L	15.855					
Cu	63	722.10794	3905285	ug/L	14.511					
Zn	64	643.59346	1720345	ug/L	17.626					
Cu	65	675.65982	1771186	ug/L	18.26					
Zn	66	650.25621	1015060	ug/L	17.697					
Zn	68	646.4301	732242.2	ug/L	19.622					
Ge	72	131769.51		ug/L						
As	75	964.03288	1328111	ug/L	5.164					
Se	74	62.174166	13571.52	mg/L	13.185					
ArCl	77	97278.133		ug/L						

Br		79	370518.73	ug/L					
Br		81	408604.73	ug/L					
Y		89	339773.04	ug/L					
Mo		95	1179.3571	3990759	ug/L	26.073			
Rh		103	336985.64	ug/L					
Ag		107	865.57149	9310665	ug/L	17.193			
Ag		109	862.31719	8913959	ug/L	23.591			
Cd		111	1026.2104	2871452	ug/L	9.572			
Cd		114	1040.1066	6736315	ug/L	9.747			
In		115	470478.04	ug/L					
Sb		121	1195.0469	10963336	ug/L	21.082			
Sb		123	1180.1025	8331567	ug/L	21.039			
Ba		137	1221.4823	5549670	ug/L	1.256			
Ba		138	1248.1173	36202443	ug/L	1.089			
Tb		159	608232.53	ug/L					
Ho		165	576538.8	ug/L					
Hg		200	1.01673	2138.606	ug/L	0.02			
Hg		202	1.013719	2804.794	ug/L	0.008			
Tl		205	1018.6909	27174917	ug/L	5.824			
Pb		208	998.98253	36953892	ug/L	3.282			
Bi		209	379620.02	ug/L					
Se		77	753.24495	95125.9	mg/L	17.565			
Se		78	726.85048	320965.5	mg/L	10.346			
Se		82	702.64021	137244.8	mg/L	14.019			
QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.704							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	74.833
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	78.474
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	85.106
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 2:11:54
Autosampl Position: 76
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18803
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5577.711		ug/L						
Be	9	0.018052	17	ug/L	0.007					
B	10	2.415848	211.671	ug/L	0.249					
B	11	2.744708	1079.742	ug/L	0.461					
C	12	324937.84		ug/L						
Na	23	29.050621	147034.2	ug/L	1.262					
Mg	24	2.262965	7253.632	ug/L	0.18					
Mg	25	2.208692	1030.161	ug/L	0.071					
Al	27	11.224907	57453.38	ug/L	0.209					
Si	28	61345.733		ug/L						
P	31	3.272477	7463.809	ug/L	0.529					
S	32	70179185		ug/L						
Cl	35	8420239.8		ug/L						
K	39	18.541434	834397.7	ug/L	4.282					
Ca	44	-51.51732	30162.99	ug/L	0.198					
Sc	45	137555.88		ug/L						
Ti	47	-0.020862	156.003	ug/L	0.004					
Ti	48	0.272065	-1451.53	ug/L	0.002					
V	51	1.04601	36329.82	ug/L	0.06					
ClO	51	37463.074		ug/L						
Cr	52	0.160081	6977.991	ug/L	0.027					
Cr	53	2.768764	11689.63	ug/L	0.272					
Fe	54	48.598058	64489.3	ug/L	3.98					
Mn	55	0.090536	4137.654	ug/L	0.028					
Fe	56	62.573676	2805296	ug/L	17.114					
Fe	57	32.153873	14038.9	ug/L	0.654					
Co	59	0.055716	573.691	ug/L	0					
Ni	60	0.094299	244.006	ug/L	0.005					
Ni	62	0.131082	78.334	ug/L	0.007					
Cu	63	0.253855	1238.764	ug/L	0.049					
Zn	64	1.201059	3390.386	ug/L	0.033					
Cu	65	0.207224	498.352	ug/L	0.021					
Zn	66	1.1941	1990.238	ug/L	0.054					
Zn	68	1.207565	1542.146	ug/L	0.036					
Ge	72	133444.4		ug/L						
As	75	0.327153	292.489	ug/L	0.025					
Se	74	55.280602	14087.27	mg/L	59.176					
ArCl	77	678.032		ug/L						

Br	79	13254.507	ug/L						
Br	81	29690.082	ug/L						
Y	89	360232.95	ug/L						
Mo	95	2.112698	7326.034	ug/L	0.208				
Rh	103	383585.11	ug/L						
Ag	107	3.739501	43257.12	ug/L	0.02				
Ag	109	3.715194	41272.56	ug/L	0.006				
Cd	111	0.045966	161.336	ug/L	0.001				
Cd	114	-0.001252	395.013	ug/L	0.003				
In	115	499757.33	ug/L						
Sb	121	7.460682	73476.15	ug/L	0.839				
Sb	123	7.373701	55893.1	ug/L	0.983				
Ba	137	0.072479	400.68	ug/L	0.001				
Ba	138	0.065282	2254.381	ug/L	0.002				
Tb	159	630064.58	ug/L						
Ho	165	600090.76	ug/L						
Hg	200	0.007924	36.667	ug/L	0.003				
Hg	202	0.002434	35	ug/L	0.001				
Tl	205	0.065016	2176.282	ug/L	0.001				
Pb	208	0.068558	3299.938	ug/L	0.002				
Bi	209	415435.3	ug/L						
Se	77	-0.883354	641.356	mg/L	0.135				
Se	78	-5.10177	13314.5	mg/L	0.41				
Se	82	0.831591	153.504	mg/L	0.032				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	76.127							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	75.784
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.357
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.583
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Tuesday August 30 2011 2:18:21
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.18804
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5464.308		ug/L						
Be	9	-0.00245	11.333	ug/L	0.007					
B	10	0.874415	118.002	ug/L	0.279					
B	11	1.05077	574.691	ug/L	0.135					
C	12	305253.76		ug/L						
Na	23	15.024984	81797.9	ug/L	0.672					
Mg	24	0.787287	2807.391	ug/L	0.215					
Mg	25	0.845859	440.055	ug/L	0.298					
Al	27	0.290427	4768.394	ug/L	0.052					
Si	28	52446.182		ug/L						
P	31	4.07897	7727.393	ug/L	2.334					
S	32	71307916		ug/L						
Cl	35	7883696.3		ug/L						
K	39	8.387576	766196.1	ug/L	2.234					
Ca	44	-59.00825	28734.89	ug/L	0.044					
Sc	45	138927.01		ug/L						
Ti	47	-0.042109	144.336	ug/L	0.007					
Ti	48	0.236329	-1695.22	ug/L	0.003					
V	51	0.769607	34325.02	ug/L	0.049					
ClO	51	35300.095		ug/L						
Cr	52	0.129755	6828.738	ug/L	0.036					
Cr	53	2.149054	11254.41	ug/L	0.047					
Fe	54	24.860828	53367.08	ug/L	18.552					
Mn	55	-0.089735	2105.602	ug/L	0.038					
Fe	56	-43.71149	1898296	ug/L	5.599					
Fe	57	3.353905	8254.571	ug/L	0.377					
Co	59	0.014999	222.005	ug/L	0.003					
Ni	60	0.040544	135.336	ug/L	0.004					
Ni	62	0.082626	64.001	ug/L	0.011					
Cu	63	0.120409	667.365	ug/L	0.013					
Zn	64	0.057659	944.28	ug/L	0.021					
Cu	65	0.095823	266.673	ug/L	0.004					
Zn	66	0.041262	550.355	ug/L	0.013					
Zn	68	0.030407	476.351	ug/L	0.045					
Ge	72	134397.01		ug/L						
As	75	0.101719	-22.828	ug/L	0.064					
Se	74	112.3051	11169.24	mg/L	9.764					
ArCl	77	604.026		ug/L						

Br	79	6960.734	ug/L						
Br	81	22940.805	ug/L						
Y	89	355716.92	ug/L						
Mo	95	0.634369	2277.645	ug/L	0.114				
Rh	103	382833.65	ug/L						
Ag	107	1.559936	18460.49	ug/L	0.397				
Ag	109	1.553796	17643.08	ug/L	0.371				
Cd	111	0.010853	57.334	ug/L	0.007				
Cd	114	-0.0336	173.337	ug/L	0.004				
In	115	502609.51	ug/L						
Sb	121	2.088909	21194.3	ug/L	0.167				
Sb	123	2.070228	16161.68	ug/L	0.182				
Ba	137	0.02421	168.67	ug/L	0.005				
Ba	138	0.021998	925.92	ug/L	0.008				
Tb	159	624014.05	ug/L						
Ho	165	601853.94	ug/L						
Hg	200	0.000507	20.667	ug/L	0.001				
Hg	202	-0.001696	23.334	ug/L	0.001				
Tl	205	0.017466	857.049	ug/L	0.005				
Pb	208	0.020552	1454.394	ug/L	0.004				
Bi	209	430508.68	ug/L						
Se	77	-1.309062	588.019	mg/L	0.376				
Se	78	-5.631817	13091.71	mg/L	0.393				
Se	82	0.408649	70.886	mg/L	0.192				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	76.886							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	76.325
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.833
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.843
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Tuesday August 30 2011 2:25:15
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.18805
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5596.389		ug/L						
Be	9	68.585489	20236.7	ug/L	0.329					
B	10	72.770816	4788.976	ug/L	0.919					
B	11	76.412704	24625.57	ug/L	1.899					
C	12	317296.8		ug/L						
Na	23	115.35892	583750.1	ug/L	6.492					
Mg	24	111.49198	355748.7	ug/L	1.418					
Mg	25	106.99777	49211.09	ug/L	0.24					
Al	27	104.83168	536566.4	ug/L	3.319					
Si	28	189653.27		ug/L						
P	31	2.916046	7774.172	ug/L	6.778					
S	32	70120802		ug/L						
Cl	35	7705092.1		ug/L						
K	39	1082.7644	9279620	ug/L	18.93					
Ca	44	38.429077	53462.07	ug/L	1.403					
Sc	45	145033.13		ug/L						
Ti	47	99.590713	64511.06	ug/L	1.424					
Ti	48	101.89411	678927.6	ug/L	0.389					
V	51	96.39353	891566.2	ug/L	1.058					
ClO	51	907413.2		ug/L						
Cr	52	97.374277	739539.4	ug/L	0.404					
Cr	53	94.587139	98086.63	ug/L	0.575					
Fe	54	125.96359	107798.9	ug/L	16.686					
Mn	55	92.796696	1113081	ug/L	0.683					
Fe	56	126.19341	3545031	ug/L	1.627					
Fe	57	104.16172	30270	ug/L	0.267					
Co	59	94.159054	862235.3	ug/L	1.458					
Ni	60	86.448107	186463	ug/L	0.617					
Ni	62	87.713044	28610.91	ug/L	0.322					
Cu	63	93.72986	429796.1	ug/L	0.96					
Zn	64	84.115122	191348.4	ug/L	0.1					
Cu	65	93.213283	207210.5	ug/L	1.263					
Zn	66	83.879108	111447.4	ug/L	0.499					
Zn	68	83.256561	80357.07	ug/L	0.066					
Ge	72	136861.23		ug/L						
As	75	102.6169	146685.8	ug/L	0.384					
Se	74	44.712443	15042.58	mg/L	18.773					
ArCl	77	10824.886		ug/L						

Br	79	4856.012		ug/L		
Br	81	21116.374		ug/L		
Y	89	369475.66		ug/L		
Mo	95	100.01738	351685.8	ug/L	1.731	
Rh	103	387538.8		ug/L		
Ag	107	45.485824	538839.1	ug/L	0.886	
Ag	109	46.137428	525222.8	ug/L	0.784	
Cd	111	93.731654	288580.4	ug/L	0.847	
Cd	114	96.164277	685581.6	ug/L	0.023	
In	115	517621.75		ug/L		
Sb	121	92.803954	937277.1	ug/L	3.526	
Sb	123	92.374074	717940.1	ug/L	4.836	
Ba	137	106.11031	530466.3	ug/L	1.072	
Ba	138	110.63407	3530829	ug/L	0.924	
Tb	159	636195.14		ug/L		
Ho	165	610827.73		ug/L		
Hg	200	1.008094	2246.633	ug/L	0.03	
Hg	202	0.981392	2877.818	ug/L	0.014	
Tl	205	106.17246	3000928	ug/L	1.262	
Pb	208	94.751037	3713986	ug/L	0.293	
Bi	209	452392.83		ug/L		
Se	77	78.927977	10640.9	mg/L	3.948	
Se	78	73.132258	46197.49	mg/L	2.871	
Se	82	75.196349	14679.92	mg/L	1.377	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	67.906							
|	B	72.553							
|	B	76.184							
|	C								
|	Na	113.879							
|	Mg	110.388							
|	Mg	105.938							
|	Al	104.414							
|	Si								
|	P								
|	S								
|	Cl								
|	K	107.953							
|	Ca	38.086							
|>	Sc	80.265							
|	Ti	99.591							
|	Ti	101.894							
|	V	96.009							
|	ClO								
|	Cr	96.41							

	Cr	93.651
	Fe	125.212
	Mn	92.427
	Fe	125.441
	Fe	103.54
	Co	93.597
	Ni	85.762
	Ni	87.017
	Cu	93.824
	Zn	83.53
	Cu	93.307
	Zn	83.296
-	Zn	82.678
>	Ge	77.724
	As	103.236
	Se	44.623
	ArCl	
	Br	
	Br	
	Y	
-	Mo	99.718
-	Rh	
	Ag	45.125
	Ag	45.771
	Cd	93.265
	Cd	95.686
>	In	86.337
	Sb	92.526
	Sb	92.098
	Ba	105.373
-	Ba	109.865
-	Tb	
>	Ho	90.168
	Hg	100.809
	Hg	98.139
	Tl	106.172
	Pb	94.751
-	Bi	
	Se	78.77
	Se	72.986
	Se	75.046

Sample ID: QC Std 5
Sample Date/Time Tuesday August 30 2011 2:32:10
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.18806
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5458.972		ug/L						
Be	9	31.479528	8857.068	ug/L	0.178					
B	10	125.87241	7846.13	ug/L	0.954					
B	11	131.40445	40168.64	ug/L	1.575					
C	12	321305.12		ug/L						
Na	23	12.661131	70210.43	ug/L	0.037					
Mg	24	0.575267	2153.805	ug/L	0.07					
Mg	25	0.550523	310.036	ug/L	0.11					
Al	27	194.7717	947184.3	ug/L	1.291					
Si	28	98220.885		ug/L						
P	31	2.845966	7393.762	ug/L	3.712					
S	32	70137019		ug/L						
Cl	35	7259182.1		ug/L						
K	39	8.004308	759406.3	ug/L	1.325					
Ca	44	-54.61602	29591.04	ug/L	1.126					
Sc	45	138199.94		ug/L						
Ti	47	0.190319	286.674	ug/L	0.007					
Ti	48	0.456476	-284.018	ug/L	0.066					
V	51	26.030463	249542.1	ug/L	0.5					
ClO	51	252388.15		ug/L						
Cr	52	50.396669	367497.2	ug/L	1.418					
Cr	53	49.061295	52942.25	ug/L	1.266					
Fe	54	214.03274	145900	ug/L	17.872					
Mn	55	105.3073	1203015	ug/L	2.311					
Fe	56	235.65052	4336486	ug/L	15.281					
Fe	57	194.75009	47381.21	ug/L	1.947					
Co	59	23.562956	205665.1	ug/L	0.451					
Ni	60	183.6802	377442.9	ug/L	2.728					
Ni	62	185.97327	57752.79	ug/L	4.3					
Cu	63	77.317324	337824.6	ug/L	1.933					
Zn	64	91.500286	198260.1	ug/L	0.698					
Cu	65	76.178289	161347.9	ug/L	1.373					
Zn	66	93.233041	117977.4	ug/L	1.357					
Zn	68	93.854645	86255.12	ug/L	1.122					
Ge	72	133997.7		ug/L						
As	75	44.329477	61941.09	ug/L	1.097					
Se	74	34.237149	15298.85	mg/L	33.493					
ArCl	77	17019.758		ug/L						

Br		79	3982.579	ug/L						
Br		81	19814.436	ug/L						
Y		89	362953.01	ug/L						
Mo		95	44.753876	154120	ug/L	0.606				
Rh		103	380364.98	ug/L						
Ag		107	51.39632	601020.7	ug/L	6.787				
Ag		109	50.926114	572274.5	ug/L	6.563				
Cd		111	21.992241	66784.07	ug/L	0.313				
Cd		114	22.419916	157928.9	ug/L	0.188				
In		115	510451.96	ug/L						
Sb		121	50.032214	498655.4	ug/L	0.16				
Sb		123	50.302856	385765.1	ug/L	0.961				
Ba		137	151.35572	745994.9	ug/L	3.663				
Ba		138	156.32009	4918633	ug/L	3.784				
Tb		159	629965.77	ug/L						
Ho		165	598868.98	ug/L						
Hg		200	1.043498	2279.642	ug/L	0.014				
Hg		202	1.042149	2994.19	ug/L	0.009				
Tl		205	13.945575	386776.9	ug/L	0.078				
Pb		208	106.19133	4080708	ug/L	1.147				
Bi		209	438316.2	ug/L						
Se		77	128.86123	16897.02	mg/L	1.131				
Se		78	119.72598	65781.56	mg/L	0.925				
Se		82	120.93081	23613.69	mg/L	1.31				
QC	Calculated Values									
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be	73.896								
|	B	78.67								
|	B	82.128								
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al	110.666								
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	76.483								
|	Ti									
|	Ti									
|	V	104.54								
|	ClO									
|	Cr	102.432								

	Cr	99.718
	Fe	119.571
	Mn	99.347
	Fe	131.648
	Fe	108.799
	Co	101.129
	Ni	90.039
	Ni	91.163
	Cu	98.871
	Zn	87.143
	Cu	97.415
	Zn	88.793
|-	Zn	89.385
|>	Ge	76.098
	As	112.511
	Se	21.398
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	106.811
|-	Rh	
	Ag	102.18
	Ag	101.245
	Cd	94.794
	Cd	96.638
|>	In	85.141
	Sb	107.596
	Sb	108.178
	Ba	107.344
|-	Ba	110.865
|-	Tb	
|>	Ho	88.402
	Hg	104.35
	Hg	104.215
	Tl	98.208
	Pb	102.107
|-	Bi	
	Se	80.538
	Se	74.829
	Se	75.582

Sample ID: QC Std 6
Sample Date/Time Tuesday August 30 2011 2:39:04
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18807
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5252.184		ug/L						
Be	9	-0.009211	10.667	ug/L	0.002					
B	10	0.505764	107.668	ug/L	0.201					
B	11	0.743486	543.355	ug/L	0.044					
C	12	324505.84		ug/L						
Na	23	10418.635	55955037	ug/L	319.911					
Mg	24	10506.446	36185048	ug/L	482.968					
Mg	25	10770.578	5346274	ug/L	284.427					
Al	27	10786.293	59277422	ug/L	555.117					
Si	28	51296.129		ug/L						
P	31	11768.015	3183417	ug/L	367.92					
S	32	66796235		ug/L						
Cl	35	6748116.2		ug/L						
K	39	10218.089	87971526	ug/L	220.761					
Ca	44	10154.087	2691010	ug/L	221.941					
Sc	45	156803.74		ug/L						
Ti	47	23.839671	16844.1	ug/L	0.12					
Ti	48	6.767405	45353.44	ug/L	0.167					
V	51	-0.189553	29456.27	ug/L	0.088					
ClO	51	30453.568		ug/L						
Cr	52	0.034192	6932.86	ug/L	0.008					
Cr	53	-0.846508	9673.908	ug/L	0.364					
Fe	54	10412.821	5838691	ug/L	327.925					
Mn	55	-0.120094	1991.908	ug/L	0.022					
Fe	56	10350.302	1.05E+08	ug/L	627.131					
Fe	57	10834.945	2523364	ug/L	451.697					
Co	59	0.031609	415.014	ug/L	0.003					
Ni	60	0.236149	608.693	ug/L	0					
Ni	62	0.043253	58.334	ug/L	0					
Cu	63	0.20965	1195.757	ug/L	0.007					
Zn	64	0.459201	2048.762	ug/L	0.024					
Cu	65	0.141309	410.347	ug/L	0.001					
Zn	66	0.392793	1123.414	ug/L	0.035					
Zn	68	0.319808	837.38	ug/L	0.005					
Ge	72	134632.45		ug/L						
As	75	0.083712	-47.195	ug/L	0.01					
Se	74	124.30609	10572.48	mg/L	37.419					
ArCl	77	625.694		ug/L						

Br	79	3524.052	ug/L						
Br	81	19067.502	ug/L						
Y	89	351765.84	ug/L						
Mo	95	0.385339	1421.794	ug/L	0.078				
Rh	103	360202	ug/L						
Ag	107	0.496237	6165.529	ug/L	0.112				
Ag	109	0.507322	6016.757	ug/L	0.111				
Cd	111	0.011069	57.334	ug/L	0.004				
Cd	114	-0.034931	162.336	ug/L	0.002				
In	115	497202.66	ug/L						
Sb	121	1.189934	12250.07	ug/L	0.104				
Sb	123	1.180041	9345.498	ug/L	0.087				
Ba	137	0.057848	328.343	ug/L	0.001				
Ba	138	0.058045	2020.656	ug/L	0.001				
Tb	159	613720.39	ug/L						
Ho	165	589863.63	ug/L						
Hg	200	0.011973	44.667	ug/L	0.005				
Hg	202	0.010625	57.334	ug/L	0.003				
Tl	205	0.008039	584.025	ug/L	0.003				
Pb	208	0.036845	2043.445	ug/L	0.002				
Bi	209	420759.91	ug/L						
Se	77	-1.702841	538.683	mg/L	0.301				
Se	78	-6.486272	12732.57	mg/L	0.37				
Se	82	0.282369	46.219	mg/L	0.03				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	104.186							
|	Mg	105.064							
|	Mg	107.706							
|	Al	107.863							
|	Si								
|	P	117.68							
|	S								
|	Cl								
|	K	102.181							
|	Ca	101.541							
|>	Sc	86.779							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	104.128
|	Mn	
|	Fe	103.503
|	Fe	108.349
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	76.459
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	82.931
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	87.073
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 2:46:05
Autosampl Position: 77
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18808
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5695.117		ug/L						
Be	9	0.008575	14.333	ug/L	0.01					
B	10	0.69482	106.335	ug/L	0.055					
B	11	0.784494	490.685	ug/L	0.052					
C	12	323946.27		ug/L						
Na	23	13.424307	73701.68	ug/L	1.018					
Mg	24	3.971782	12423.15	ug/L	0.755					
Mg	25	3.899871	1767.019	ug/L	0.966					
Al	27	35.238974	173918.4	ug/L	1.28					
Si	28	79288.894		ug/L						
P	31	1.550569	7090.144	ug/L	0.629					
S	32	69112080		ug/L						
Cl	35	8693236.4		ug/L						
K	39	11.802423	787127.9	ug/L	4.004					
Ca	44	-46.54094	31383.94	ug/L	11.427					
Sc	45	138136.92		ug/L						
Ti	47	0.012369	176.67	ug/L	0.036					
Ti	48	0.319805	-1150.24	ug/L	0.024					
V	51	0.774037	34149.7	ug/L	0.142					
ClO	51	35088.268		ug/L						
Cr	52	0.183054	7169.343	ug/L	0.042					
Cr	53	2.017724	11068.18	ug/L	0.361					
Fe	54	22.384098	51865.49	ug/L	8.005					
Mn	55	-0.085637	2137.275	ug/L	0.035					
Fe	56	54.708774	2748314	ug/L	11.713					
Fe	57	8.843999	9325.713	ug/L	1.556					
Co	59	0.022165	282.341	ug/L	0.007					
Ni	60	0.075169	205.338	ug/L	0.007					
Ni	62	0.057523	56.001	ug/L	0.033					
Cu	63	0.200585	1013.067	ug/L	0.014					
Zn	64	1.869362	4839.424	ug/L	0.198					
Cu	65	0.179548	442.015	ug/L	0.011					
Zn	66	1.941484	2934.838	ug/L	0.268					
Zn	68	1.857805	2139.607	ug/L	0.227					
Ge	72	133973.4		ug/L						
As	75	0.042307	-105.311	ug/L	0.02					
Se	74	44.849089	14713.75	mg/L	25.202					
ArCl	77	648.363		ug/L						

Br		79	2853.81	ug/L						
Br		81	18883.782	ug/L						
Y		89	367485.52	ug/L						
Mo		95	0.382089	1405.789	ug/L	0.019				
Rh		103	386319.58	ug/L						
Ag		107	0.415206	5330.616	ug/L	0.001				
Ag		109	0.402741	4954.399	ug/L	0.001				
Cd		111	0.02228	92.001	ug/L	0.001				
Cd		114	-0.024318	239.339	ug/L	0.009				
In		115	505371.61	ug/L						
Sb		121	0.883818	9435.322	ug/L	0.003				
Sb		123	0.874447	7181.976	ug/L	0.003				
Ba		137	0.049172	291.674	ug/L	0.007				
Ba		138	0.049459	1788.576	ug/L	0.009				
Tb		159	631935.42	ug/L						
Ho		165	604256.12	ug/L						
Hg		200	0.002616	25.334	ug/L	0.002				
Hg		202	0.000496	29.667	ug/L	0.001				
Tl		205	0.023101	1019.401	ug/L	0.004				
Pb		208	0.045888	2443.821	ug/L	0.004				
Bi		209	421866.6	ug/L						
Se		77	-1.34099	584.019	mg/L	0.482				
Se		78	-5.283325	13238.19	mg/L	0.952				
Se		82	0.160677	22.447	mg/L	0.033				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	76.448								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	76.084
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.294
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.198
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 2:52:37
Autosampl Position: 78
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18809
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5751.152		ug/L						
Be	9	-0.012568	8.667	ug/L	0.013					
B	10	-0.07626	60.001	ug/L	0.048					
B	11	0.209014	323.009	ug/L	0.064					
C	12	305126.92		ug/L						
Na	23	5.748951	38287.61	ug/L	0.09					
Mg	24	0.293668	1326.896	ug/L	0.029					
Mg	25	0.260794	186.687	ug/L	0.05					
Al	27	0.219893	4498.229	ug/L	0.009					
Si	28	49214.429		ug/L						
P	31	-1.999237	6369.562	ug/L	4.651					
S	32	69215871		ug/L						
Cl	35	8040164.2		ug/L						
K	39	5.256259	754498.3	ug/L	2.336					
Ca	44	-56.06427	29882.02	ug/L	3.079					
Sc	45	141169.16		ug/L						
Ti	47	-0.04361	145.669	ug/L	0.016					
Ti	48	0.23145	-1753.38	ug/L	0.013					
V	51	0.622036	33594.3	ug/L	0.04					
ClO	51	34548.201		ug/L						
Cr	52	0.156385	7136.037	ug/L	0.01					
Cr	53	1.681856	11009.44	ug/L	0.263					
Fe	54	5.818539	44776.1	ug/L	0.313					
Mn	55	-0.173542	1168.087	ug/L	0.001					
Fe	56	2.988785	2341956	ug/L	65.502					
Fe	57	1.138497	7924.244	ug/L	0.582					
Co	59	0.001935	109.335	ug/L	0.001					
Ni	60	0.059531	177.337	ug/L	0.002					
Ni	62	0.070146	61.001	ug/L	0.014					
Cu	63	0.030723	278.674	ug/L	0.004					
Zn	64	0.327251	1554.554	ug/L	0.016					
Cu	65	0.024656	117.002	ug/L	0.006					
Zn	66	0.347817	953.726	ug/L	0.024					
Zn	68	0.305605	740.371	ug/L	0.034					
Ge	72	135433.37		ug/L						
As	75	0.00733	-155.973	ug/L	0.057					
Se	74	82.160515	12881.7	mg/L	16.818					
ArCl	77	606.36		ug/L						

Br	79	2545.049	ug/L						
Br	81	18751.509	ug/L						
Y	89	359843.82	ug/L						
Mo	95	0.111189	479.351	ug/L	0.006				
Rh	103	386217.37	ug/L						
Ag	107	0.14607	2225.961	ug/L	0.006				
Ag	109	0.151143	2165.613	ug/L	0.004				
Cd	111	-0.000471	23.667	ug/L	0.001				
Cd	114	-0.046551	84.335	ug/L	0.001				
In	115	506608.4	ug/L						
Sb	121	0.337531	4062.615	ug/L	0.006				
Sb	123	0.335539	3103.004	ug/L	0.001				
Ba	137	0.007041	86.001	ug/L	0				
Ba	138	0.006785	457.893	ug/L	0				
Tb	159	631700.44	ug/L						
Ho	165	605569.97	ug/L						
Hg	200	0.001213	22.334	ug/L	0.003				
Hg	202	-0.002771	20.334	ug/L	0				
Tl	205	-0.001447	334.009	ug/L	0				
Pb	208	0.000114	671.016	ug/L	0				
Bi	209	426207.41	ug/L						
Se	77	-1.383561	578.685	mg/L	0.391				
Se	78	-5.735312	13048.21	mg/L	0.053				
Se	82	0.030505	-2.981	mg/L	0				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	78.127							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	76.913
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.5
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.392
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.01
Sample Date/Time Tuesday August 30 2011 2:59:09
Autosampl Position: 79
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.01.18810
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5509.669		ug/L						
Be	9	-0.000211	15.333	ug/L	0.005					
B	10	150.37079	12056.44	ug/L	8.751					
B	11	153.95765	60533.17	ug/L	10.826					
C	12	14285502		ug/L						
Na	23	38589.891	2.35E+08	ug/L	1465.54					
Mg	24	16442.386	64343142	ug/L	654.825					
Mg	25	16125.046	9088530	ug/L	907.227					
Al	27	15.577129	101598.2	ug/L	0.474					
Si	28	22222688		ug/L						
P	31	9.814883	11661.98	ug/L	2.525					
S	32	69692663		ug/L						
Cl	35	902844.34		ug/L						
K	39	11876.491	1.16E+08	ug/L	681.926					
Ca	44	42872.274	12736386	ug/L	1058.122					
Sc	45	178259.76		ug/L						
Ti	47	1.528758	1431.127	ug/L	0.068					
Ti	48	31.070396	250659.1	ug/L	4.275					
V	51	-0.376994	31422.9	ug/L	0.045					
ClO	51	32425.116		ug/L						
Cr	52	-0.134218	6320.201	ug/L	0.006					
Cr	53	-3.575066	7868.152	ug/L	0.058					
Fe	54	31816.202	20153077	ug/L	1594.341					
Mn	55	936.98841	13756997	ug/L	51.051					
Fe	56	32196.201	3.66E+08	ug/L	2080.23					
Fe	57	33240.723	8769103	ug/L	2261.324					
Co	59	3.044593	34343.09	ug/L	0.133					
Ni	60	4.687854	12473.01	ug/L	0.256					
Ni	62	3.92203	1618.16	ug/L	0.097					
Cu	63	0.514269	3070.883	ug/L	0.035					
Zn	64	0.694077	2979.551	ug/L	0.056					
Cu	65	0.258845	786.375	ug/L	0.016					
Zn	66	0.427094	1331.111	ug/L	0.057					
Zn	68	2.038311	2972.516	ug/L	0.202					
Ge	72	136624.33		ug/L						
As	75	84.947278	121194.2	ug/L	0.763					
Se	74	208.16572	6169.038	mg/L	25.34					
ArCl	77	299.341		ug/L						

Br	79	160264.58	ug/L						
Br	81	183284.01	ug/L						
Y	89	365397.19	ug/L						
Mo	95	0.504486	1863.877	ug/L	0.034				
Rh	103	357421.16	ug/L						
Ag	107	0.001202	528.021	ug/L	0.01				
Ag	109	0.002722	494.685	ug/L	0.01				
Cd	111	0.01339	63.001	ug/L	0.004				
Cd	114	-0.020401	257.006	ug/L	0.001				
In	115	488121.96	ug/L						
Sb	121	0.239283	2979.185	ug/L	0.005				
Sb	123	0.251412	2373.887	ug/L	0.019				
Ba	137	84.048833	396232	ug/L	0.297				
Ba	138	88.124285	2652195	ug/L	0.334				
Tb	159	635928.46	ug/L						
Ho	165	600069.9	ug/L						
Hg	200	-0.000225	19	ug/L	0				
Hg	202	-0.003296	18.667	ug/L	0.001				
Tl	205	0.070052	2317.321	ug/L	0.01				
Pb	208	0.009227	1016.366	ug/L	0.003				
Bi	209	369437.74	ug/L						
Se	77	-3.246004	345.34	mg/L	0.707				
Se	78	-7.313048	12385.06	mg/L	0.148				
Se	82	2.305865	441.488	mg/L	0.017				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.653							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	77.59
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	81.416
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.58
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.02
Sample Date/Time Tuesday August 30 2011 3:05:40
Autosampl Position: 80
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.02.18811
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5122.777		ug/L						
Be	9	-0.016309	8	ug/L	0.016					
B	10	224.51245	15261.29	ug/L	12.103					
B	11	237.04858	79077.23	ug/L	11.882					
C	12	9231334		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	15227.223	50592546	ug/L	1039.988					
Mg	25	15367.144	7357697	ug/L	983.311					
Al	27	7.365826	42727.77	ug/L	0.332					
Si	28	18214761		ug/L						
P	31	6.787462	9115.485	ug/L	3.277					
S	32	66754069		ug/L						
Cl	35	1870774.8		ug/L						
K	39	8205.8205	68280721	ug/L	593.681					
Ca	44	34157.47	8624388	ug/L	1797.631					
Sc	45	151410.24		ug/L						
Ti	47	1.041514	888.052	ug/L	0.008					
Ti	48	25.342233	173166.4	ug/L	3.261					
V	51	-0.739647	23282.01	ug/L	0.156					
ClO	51	23695.425		ug/L						
Cr	52	-0.324214	3875.013	ug/L	0.003					
Cr	53	-3.107605	7127.2	ug/L	0.637					
Fe	54	1104.1371	638122.6	ug/L	3.85					
Mn	55	2307.7758	28787162	ug/L	108.635					
Fe	56	1157.3444	13596152	ug/L	29.19					
Fe	57	1189.2907	274986.8	ug/L	15.445					
Co	59	4.538936	43456.05	ug/L	0.162					
Ni	60	5.553298	12546.11	ug/L	0.244					
Ni	62	5.138985	1788.861	ug/L	0.037					
Cu	63	1.938377	9418.304	ug/L	0.097					
Zn	64	0.610344	2333.411	ug/L	0.057					
Cu	65	1.086073	2584.727	ug/L	0.065					
Zn	66	0.427108	1132.082	ug/L	0.021					
Zn	68	1.517283	2006.908	ug/L	0.06					
Ge	72	128322.13		ug/L						
As	75	9.839555	13043.57	ug/L	0.156					
Se	74	70.540279	12785.19	mg/L	20.176					
ArCl	77	387.012		ug/L						

Br		79	186712.18	ug/L					
Br		81	214750.36	ug/L					
Y		89	350113.71	ug/L					
Mo		95	10.705094	35396.16	ug/L	0.912			
Rh		103	349684.26	ug/L					
Ag		107	-0.021125	270.007	ug/L	0.004			
Ag		109	-0.02074	235.339	ug/L	0.005			
Cd		111	0.049529	162.67	ug/L	0.01			
Cd		114	-0.010526	313.009	ug/L	0			
In		115	472511.57	ug/L					
Sb		121	0.158649	2141.274	ug/L	0.01			
Sb		123	0.162058	1664.522	ug/L	0.014			
Ba		137	50.300702	229556.6	ug/L	0.899			
Ba		138	50.302859	1465484	ug/L	1.085			
Tb		159	623138.54	ug/L					
Ho		165	596318.07	ug/L					
Hg		200	-0.000634	18	ug/L	0.001			
Hg		202	-0.002427	21	ug/L	0.001			
Tl		205	0.050181	1753.187	ug/L	0.005			
Pb		208	0.022908	1532.733	ug/L	0.002			
Bi		209	337863.34	ug/L					
Se		77	-3.363072	330.673	mg/L	0.03			
Se		78	-6.883626	12565.56	mg/L	0.686			
Se		82	2.405163	460.885	mg/L	0.009			
QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	83.794							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	72.875
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	78.813
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.026
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.03
Sample Date/Time Tuesday August 30 2011 3:12:12
Autosampl Position: 81
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.03.18812
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5001.375		ug/L						
Be	9	-0.015091	9	ug/L	0.004					
B	10	162.64764	11759.72	ug/L	0.898					
B	11	170.40065	60434.15	ug/L	2.386					
C	12	5889576.9		ug/L						
Na	23	83060.904	4.57E+08	ug/L	1753.834					
Mg	24	11118.006	39236733	ug/L	94.52					
Mg	25	11020.448	5603962	ug/L	31.362					
Al	27	0.786232	8307.966	ug/L	0.087					
Si	28	23098969		ug/L						
P	31	201.03208	63386.59	ug/L	6.478					
S	32	64846903		ug/L						
Cl	35	1350175		ug/L						
K	39	7031.9173	62271823	ug/L	70.769					
Ca	44	21011.816	5652017	ug/L	100.567					
Sc	45	160588.65		ug/L						
Ti	47	1.749235	1448.13	ug/L	0.061					
Ti	48	15.106201	108292.6	ug/L	0.325					
V	51	-1.169032	20472.91	ug/L	0.063					
ClO	51	21011.814		ug/L						
Cr	52	-0.314519	4193.198	ug/L	0.083					
Cr	53	-4.351982	6286.57	ug/L	0.109					
Fe	54	7034.4452	4056254	ug/L	119.958					
Mn	55	397.87865	5272085	ug/L	4.601					
Fe	56	6924.9822	73157394	ug/L	291.537					
Fe	57	6644.7936	1588855	ug/L	207.154					
Co	59	0.099279	1111.412	ug/L	0.002					
Ni	60	3.846162	9243.123	ug/L	0.032					
Ni	62	3.471813	1296.439	ug/L	0.144					
Cu	63	1.032348	5400.991	ug/L	0.008					
Zn	64	0.24757	1568.147	ug/L	0.011					
Cu	65	0.357393	952.059	ug/L	0.019					
Zn	66	0.08412	699.034	ug/L	0.019					
Zn	68	1.637164	2257.303	ug/L	0.002					
Ge	72	128098.88		ug/L						
As	75	4.823538	6303.46	ug/L	0.106					
Se	74	89.920872	11787.13	mg/L	4.648					
ArCl	77	314.675		ug/L						

Br	79	138587.78	ug/L			
Br	81	163503.93	ug/L			
Y	89	344264.28	ug/L			
Mo	95	2.296405	7644.974	ug/L	0.227	
Rh	103	349653.74	ug/L			
Ag	107	-0.012378	370.345	ug/L	0.01	
Ag	109	-0.010507	347.344	ug/L	0.006	
Cd	111	0.011627	57.001	ug/L	0.003	
Cd	114	-0.034184	162.003	ug/L	0	
In	115	480994.04	ug/L			
Sb	121	0.156692	2161.279	ug/L	0.003	
Sb	123	0.161523	1690.072	ug/L	0.002	
Ba	137	71.748118	333246.5	ug/L	1.826	
Ba	138	75.109893	2227187	ug/L	1.433	
Tb	159	620188.07	ug/L			
Ho	165	592942.28	ug/L			
Hg	200	0.008583	37.667	ug/L	0.002	
Hg	202	0.003295	37	ug/L	0.001	
Tl	205	0.021962	969.395	ug/L	0.004	
Pb	208	0.003521	786.688	ug/L	0.002	
Bi	209	345984.54	ug/L			
Se	77	-3.629131	297.338	mg/L	0.045	
Se	78	-8.05875	12071.63	mg/L	0.034	
Se	82	1.591252	301.896	mg/L	0.088	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	88.874							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	72.748
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	80.228
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.527
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04
Sample Date/Time Tuesday August 30 2011 3:18:44
Autosampl Position: 82
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.04.18813
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9606.407		ug/L						
Be	9	-0.000146	13.667	ug/L	0.002					
B	10	175.08505	12463.33	ug/L	3.368					
B	11	185.59679	64813.54	ug/L	0.167					
C	12	5602719.3		ug/L						
Na	23	78526.807	4.26E+08	ug/L	151.666					
Mg	24	19567.491	68015695	ug/L	423.795					
Mg	25	20088.324	10061760	ug/L	158.177					
Al	27	0.792668	8217.867	ug/L	0.004					
Si	28	23016928		ug/L						
P	31	447.10385	129458.2	ug/L	5.499					
S	32	65099894		ug/L						
Cl	35	1986815.5		ug/L						
K	39	20239.318	1.75E+08	ug/L	488.632					
Ca	44	32055.793	8468043	ug/L	37.942					
Sc	45	158181.66		ug/L						
Ti	47	2.480919	1942.227	ug/L	0.096					
Ti	48	21.197112	151130.6	ug/L	0.84					
V	51	-1.165989	20192.61	ug/L	0.068					
ClO	51	20368		ug/L						
Cr	52	-0.240466	4736.259	ug/L	0.029					
Cr	53	-4.214081	6332.268	ug/L	0.112					
Fe	54	14123.138	7975041	ug/L	172.986					
Mn	55	3030.2235	39526984	ug/L	25.792					
Fe	56	13702.843	1.4E+08	ug/L	45.706					
Fe	57	14958.064	3512672	ug/L	181.039					
Co	59	3.385297	33912.14	ug/L	0.012					
Ni	60	8.950773	21109.03	ug/L	0.153					
Ni	62	8.20245	2957.177	ug/L	0.361					
Cu	63	0.726476	3790.495	ug/L	0.014					
Zn	64	0.174245	1363.509	ug/L	0.018					
Cu	65	0.125074	374.678	ug/L	0.011					
Zn	66	-0.016358	543.688	ug/L	0.004					
Zn	68	3.661446	4341.747	ug/L	0.094					
Ge	72	126437.18		ug/L						
As	75	17.567748	23071.67	ug/L	0.139					
Se	74	111.70417	10541.59	mg/L	17.885					
ArCl	77	375.678		ug/L						

Br		79	305140.57	ug/L					
Br		81	338041.61	ug/L					
Y		89	332430.57	ug/L					
Mo		95	26.855686	87282.31	ug/L	2.989			
Rh		103	338946.07	ug/L					
Ag		107	-0.023416	238.672	ug/L	0.009			
Ag		109	-0.01975	239.006	ug/L	0.009			
Cd		111	0.084879	255.673	ug/L	0.003			
Cd		114	0.015222	469.017	ug/L	0.003			
In		115	461103.74	ug/L					
Sb		121	0.180558	2285.643	ug/L	0.007			
Sb		123	0.17539	1716.569	ug/L	0.005			
Ba		137	185.06683	823920.2	ug/L	5.029			
Ba		138	193.91104	5512048	ug/L	2.26			
Tb		159	623180.11	ug/L					
Ho		165	597219.87	ug/L					
Hg		200	0.043638	113.669	ug/L	0.005			
Hg		202	0.028691	109.335	ug/L	0.004			
Tl		205	0.053568	1849.54	ug/L	0.001			
Pb		208	0.000168	663.683	ug/L	0.002			
Bi		209	349456.86	ug/L					
Se		77	-3.086369	365.341	mg/L	0.211			
Se		78	-8.185795	12018.24	mg/L	1.034			
Se		82	3.727863	719.261	mg/L	0.087			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	87.542							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	71.804
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	76.91
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	88.159
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MS
Sample Date/Time Tuesday August 30 2011 3:25:16
Autosampl Position: 83
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MS.18814
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	10040.208		ug/L						
Be	9	618.30252	203120.8	ug/L	8.845					
B	10	168.98457	12290.43	ug/L	0.832					
B	11	178.26592	63596.98	ug/L	2.333					
C	12	3834572		ug/L						
Na	23	86091.391	4.77E+08	ug/L	402.111					
Mg	24	29709.386	1.05E+08	ug/L	419.092					
Mg	25	29662.603	15177124	ug/L	9.653					
Al	27	10801.029	61196893	ug/L	129.966					
Si	28	22040640		ug/L						
P	31	11888.131	3315488	ug/L	169.717					
S	32	71178177		ug/L						
Cl	35	4331660.5		ug/L						
K	39	29297.553	2.58E+08	ug/L	107.825					
Ca	44	39973.239	10772741	ug/L	752.141					
Sc	45	161584.96		ug/L						
Ti	47	25.609273	18625.25	ug/L	0.771					
Ti	48	27.473494	201224.7	ug/L	0.098					
V	51	921.62008	9219544	ug/L	20.672					
ClO	51	9412780		ug/L						
Cr	52	887.48966	7453053	ug/L	12.982					
Cr	53	754.94042	796322.7	ug/L	14.442					
Fe	54	23815.264	13703579	ug/L	90.981					
Mn	55	3718.0874	49538623	ug/L	37.264					
Fe	56	23658.843	2.45E+08	ug/L	216.973					
Fe	57	24627.213	5900447	ug/L	656.952					
Co	59	844.63599	8616206	ug/L	8.489					
Ni	60	680.32574	1634193	ug/L	15.177					
Ni	62	682.61102	247734.6	ug/L	8.893					
Cu	63	755.77711	3859446	ug/L	14.906					
Zn	64	702.67379	1773402	ug/L	20.169					
Cu	65	714.13907	1767622	ug/L	20.143					
Zn	66	722.60568	1065180	ug/L	8.102					
Zn	68	712.2061	761783.4	ug/L	13.066					
Ge	72	128240.87		ug/L						
As	75	1032.2899	1384082	ug/L	7.704					
Se	74	-88.99581	20901.41	mg/L	5.084					
ArCl	77	105421.46		ug/L						

Br	79	288441.31		ug/L		
Br	81	321276.35		ug/L		
Y	89	335701.92		ug/L		
Mo	95	1175.915	3873404	ug/L	29.095	
Rh	103	340458.58		ug/L		
Ag	107	888.14731	9499537	ug/L	5.804	
Ag	109	877.36818	9017706	ug/L	20.271	
Cd	111	1033.2315	2874686	ug/L	6.003	
Cd	114	1048.6017	6752431	ug/L	4.723	
In	115	467808.55		ug/L		
Sb	121	1126.448	10276745	ug/L	37.923	
Sb	123	1120.854	7869460	ug/L	39.038	
Ba	137	1305.9409	5899801	ug/L	2.108	
Ba	138	1322.4047	38139559	ug/L	0.75	
Tb	159	600065.03		ug/L		
Ho	165	584488.1		ug/L		
Hg	200	1.018687	2172.281	ug/L	0.004	
Hg	202	1.012092	2838.471	ug/L	0.026	
Tl	205	1014.0467	27423774	ug/L	0.879	
Pb	208	991.27465	37172689	ug/L	6.213	
Bi	209	383406.41		ug/L		
Se	77	830.44262	104798	mg/L	11.936	
Se	78	791.85589	348288.3	mg/L	4.976	
Se	82	758.96192	148246.7	mg/L	13.363	

QC Calculated Values

	Analyte	QC	Std	% Recovery	Int Std	% Recovery
|-	Li					
|	Be					
|	B					
|	B					
|	C					
|	Na					
|	Mg					
|	Mg					
|	Al					
|	Si					
|	P					
|	S					
|	Cl					
|	K					
|	Ca					
|>	Sc	89.425				
|	Ti					
|	Ti					
|	V					
|	ClO					
|	Cr					

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	72.829
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	78.028
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.279
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MSD
Sample Date/Time Tuesday August 30 2011 3:31:48
Autosampl Position: 84
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MSD.18815
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9892.047		ug/L						
Be	9	629.95236	204084.4	ug/L	0.095					
B	10	172.10128	12341.83	ug/L	2.207					
B	11	180.9093	63642.64	ug/L	0.914					
C	12	3037829.8		ug/L						
Na	23	85786.102	4.68E+08	ug/L	422.163					
Mg	24	29935.806	1.05E+08	ug/L	145.86					
Mg	25	30239.857	15256378	ug/L	38.38					
Al	27	10922.583	61027251	ug/L	62.999					
Si	28	22427048		ug/L						
P	31	12073.458	3319604	ug/L	33.228					
S	32	68765027		ug/L						
Cl	35	4332600.3		ug/L						
K	39	29640.085	2.58E+08	ug/L	231.788					
Ca	44	40697.956	10815988	ug/L	226.15					
Sc	45	159328.08		ug/L						
Ti	47	24.756731	17764.19	ug/L	0.623					
Ti	48	27.913913	201622.3	ug/L	1.564					
V	51	934.25455	9216712	ug/L	7.708					
ClO	51	9485429.7		ug/L						
Cr	52	900.31586	7456088	ug/L	0.582					
Cr	53	768.14937	798890.1	ug/L	0.588					
Fe	54	24153.912	13704968	ug/L	685.213					
Mn	55	3765.0564	49469525	ug/L	42.243					
Fe	56	24063.941	2.46E+08	ug/L	289.053					
Fe	57	25461.034	6016219	ug/L	9.947					
Co	59	853.87458	8589554	ug/L	1.633					
Ni	60	688.47565	1630989	ug/L	3.703					
Ni	62	699.69733	250411.9	ug/L	7.997					
Cu	63	768.51366	3870360	ug/L	1.694					
Zn	64	710.00438	1767326	ug/L	1.875					
Cu	65	717.73536	1752144	ug/L	4.785					
Zn	66	722.45875	1050183	ug/L	4.995					
Zn	68	719.79641	759269.3	ug/L	1.415					
Ge	72	128440.99		ug/L						
As	75	1012.9321	1360229	ug/L	12.381					
Se	74	-47.08442	18793.31	mg/L	31.812					
ArCl	77	104043.71		ug/L						

Br	79	285316.28	ug/L				
Br	81	315828.42	ug/L				
Y	89	335381.39	ug/L				
Mo	95	1188.7568	3921730	ug/L	25.445		
Rh	103	339266.84	ug/L				
Ag	107	878.89005	9489293	ug/L	27.408		
Ag	109	884.05325	9172802	ug/L	21.122		
Cd	111	1027.1701	2884339	ug/L	12.476		
Cd	114	1045.1915	6792973	ug/L	8.544		
In	115	472155.13	ug/L				
Sb	121	1134.6015	10443999	ug/L	40.806		
Sb	123	1121.8908	7947185	ug/L	47.13		
Ba	137	1283.3594	5851470	ug/L	8.014		
Ba	138	1297.5776	37770277	ug/L	7.952		
Tb	159	602962.15	ug/L				
Ho	165	578064.23	ug/L				
Hg	200	1.049405	2212.625	ug/L	0.002		
Hg	202	1.013902	2810.129	ug/L	0.066		
Tl	205	1015.231	27147581	ug/L	16.957		
Pb	208	1002.3911	37168394	ug/L	18.172		
Bi	209	381143.8	ug/L				
Se	77	813.16757	102633.6	mg/L	19.223		
Se	78	783.32993	344704.7	mg/L	5.199		
Se	82	752.25296	146936.1	mg/L	1.167		

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	88.176							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	72.942
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	78.753
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	85.331
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 3:38:20
Autosampl Position: 85
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18816
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5260.188		ug/L						
Be	9	0.068899	31.334	ug/L	0.014					
B	10	2.695113	230.005	ug/L	0.69					
B	11	2.817198	1108.412	ug/L	0.398					
C	12	340426.94		ug/L						
Na	23	53.494746	263529.6	ug/L	3.492					
Mg	24	8.822749	27190.49	ug/L	1.493					
Mg	25	8.34004	3717.802	ug/L	0.951					
Al	27	9.030223	47093.51	ug/L	0.96					
Si	28	83803.905		ug/L						
P	31	7.136578	8421.408	ug/L	0.98					
S	32	67587644		ug/L						
Cl	35	9799162.2		ug/L						
K	39	24.773177	885700.2	ug/L	5.029					
Ca	44	-20.44514	37437.4	ug/L	8.369					
Sc	45	138244.58		ug/L						
Ti	47	0.078663	218.005	ug/L	0.011					
Ti	48	0.439266	-391.895	ug/L	0.013					
V	51	0.419605	31173.67	ug/L	0.026					
ClO	51	32161.112		ug/L						
Cr	52	0.195773	7270.43	ug/L	0.036					
Cr	53	0.799239	9997.928	ug/L	0.037					
Fe	54	93.965986	87070.24	ug/L	10.656					
Mn	55	0.470667	8482.074	ug/L	0.105					
Fe	56	103.16081	3176283	ug/L	20.247					
Fe	57	73.375706	22537.01	ug/L	13.942					
Co	59	0.1013	974.062	ug/L	0.01					
Ni	60	0.279619	625.695	ug/L	0.033					
Ni	62	0.294431	129.336	ug/L	0.055					
Cu	63	0.610752	2805.796	ug/L	0.07					
Zn	64	5.294883	12240.65	ug/L	0.48					
Cu	65	0.588827	1309.108	ug/L	0.059					
Zn	66	5.47246	7390.758	ug/L	0.625					
Zn	68	5.302664	5293.931	ug/L	0.451					
Ge	72	130671.11		ug/L						
As	75	0.558742	602.431	ug/L	0.135					
Se	74	57.783915	13698.81	mg/L	44.737					
ArCl	77	733.37		ug/L						

Br	79	3092.891	ug/L						
Br	81	18680.026	ug/L						
Y	89	358741.28	ug/L						
Mo	95	4.079032	13770.99	ug/L	0.595				
Rh	103	375859.18	ug/L						
Ag	107	7.768819	88937.55	ug/L	0.129				
Ag	109	7.701826	84709.05	ug/L	0.098				
Cd	111	0.129041	406.68	ug/L	0.013				
Cd	114	0.078537	940.058	ug/L	0.018				
In	115	497747.31	ug/L						
Sb	121	10.753177	105089.9	ug/L	1.848				
Sb	123	10.592851	79668.59	ug/L	1.822				
Ba	137	0.565584	2769.451	ug/L	0.042				
Ba	138	0.554316	17253.53	ug/L	0.055				
Tb	159	634412.21	ug/L						
Ho	165	594945.34	ug/L						
Hg	200	0.018274	58.667	ug/L	0.002				
Hg	202	0.012672	63.668	ug/L	0.002				
Tl	205	0.140856	4243.369	ug/L	0.013				
Pb	208	0.302548	12195.99	ug/L	0.037				
Bi	209	429032.19	ug/L						
Se	77	-0.159642	732.03	mg/L	0.617				
Se	78	-5.945364	12959.92	mg/L	0.142				
Se	82	0.943261	175.317	mg/L	0.04				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	76.508							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	74.209
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.022
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.823
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 3:44:52
Autosampl Position: 86
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18817
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5194.818		ug/L						
Be	9	0.011108	14.667	ug/L	0.018					
B	10	0.975159	120.335	ug/L	0.074					
B	11	1.26766	620.027	ug/L	0.115					
C	12	315257.46		ug/L						
Na	23	25.239897	126128.2	ug/L	0.447					
Mg	24	2.608177	8094.42	ug/L	0.207					
Mg	25	2.546081	1150.188	ug/L	0.149					
Al	27	3.603173	20217.81	ug/L	0.065					
Si	28	57973.375		ug/L						
P	31	-0.64184	6386.216	ug/L	0.907					
S	32	68190931		ug/L						
Cl	35	8298229.3		ug/L						
K	39	12.395629	770325.2	ug/L	1.441					
Ca	44	-53.15933	29089.37	ug/L	2.263					
Sc	45	134340		ug/L						
Ti	47	-0.000788	164.336	ug/L	0.001					
Ti	48	0.308712	-1189.93	ug/L	0.012					
V	51	0.427421	30358.91	ug/L	0.003					
ClO	51	31312.479		ug/L						
Cr	52	0.157417	6798.642	ug/L	0.001					
Cr	53	0.909406	9810.722	ug/L	0.004					
Fe	54	34.526712	56296.6	ug/L	0.686					
Mn	55	0.054341	3635.431	ug/L	0.017					
Fe	56	20.507114	2381408	ug/L	66.482					
Fe	57	16.341846	10567.2	ug/L	0.899					
Co	59	0.031367	353.677	ug/L	0.004					
Ni	60	0.103272	256.006	ug/L	0.013					
Ni	62	0.128248	75.668	ug/L	0.05					
Cu	63	0.186577	926.723	ug/L	0.006					
Zn	64	2.100262	5197.836	ug/L	0.064					
Cu	65	0.157774	385.345	ug/L	0.018					
Zn	66	2.197947	3174.252	ug/L	0.004					
Zn	68	2.076678	2278.975	ug/L	0.001					
Ge	72	129241.67		ug/L						
As	75	0.237364	162.805	ug/L	0.051					
Se	74	56.308001	13621.31	mg/L	12.158					
ArCl	77	600.359		ug/L						

Br	79	2228.629	ug/L						
Br	81	17870.066	ug/L						
Y	89	353325.47	ug/L						
Mo	95	1.175855	3989.249	ug/L	0.072				
Rh	103	374735.52	ug/L						
Ag	107	3.900556	45151.92	ug/L	0.237				
Ag	109	3.841849	42712.68	ug/L	0.165				
Cd	111	0.024374	97.335	ug/L	0.004				
Cd	114	-0.022589	248.339	ug/L	0.001				
In	115	500202.95	ug/L						
Sb	121	2.813413	28159.17	ug/L	0.039				
Sb	123	2.803131	21583.08	ug/L	0.01				
Ba	137	0.17254	884.385	ug/L	0.002				
Ba	138	0.169022	5455.697	ug/L	0.003				
Tb	159	624788.87	ug/L						
Ho	165	595489.14	ug/L						
Hg	200	0.008052	36.667	ug/L	0.002				
Hg	202	0.004769	41.334	ug/L	0				
Tl	205	0.024181	1034.403	ug/L	0.002				
Pb	208	0.076749	3587.65	ug/L	0.001				
Bi	209	418023.82	ug/L						
Se	77	-1.351633	582.685	mg/L	0.286				
Se	78	-6.312602	12805.57	mg/L	0.675				
Se	82	0.425181	74.115	mg/L	0.017				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	74.347							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	73.397
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.431
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.903
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Tuesday August 30 2011 3:51:19
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.18818
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5153.461		ug/L						
Be	9	-0.007296	9.667	ug/L	0.015					
B	10	0.260218	77.334	ug/L	0.236					
B	11	0.62923	431.015	ug/L	0.044					
C	12	305015.83		ug/L						
Na	23	15.385412	80667.77	ug/L	0.596					
Mg	24	1.113096	3674.452	ug/L	0.206					
Mg	25	1.171286	563.408	ug/L	0.426					
Al	27	0.2416	4374.829	ug/L	0.107					
Si	28	50029.155		ug/L						
P	31	4.070303	7460.493	ug/L	4.113					
S	32	65982121		ug/L						
Cl	35	7590234.1		ug/L						
K	39	6.990821	729800.4	ug/L	2.884					
Ca	44	-63.28613	26795.44	ug/L	2.116					
Sc	45	134170.91		ug/L						
Ti	47	-0.04788	136.002	ug/L	0.005					
Ti	48	0.247046	-1570.7	ug/L	0.001					
V	51	0.312686	29370.66	ug/L	0.004					
ClO	51	30243.536		ug/L						
Cr	52	0.137636	6651.604	ug/L	0.017					
Cr	53	0.62169	9549.776	ug/L	0.004					
Fe	54	30.520206	54270.67	ug/L	17.557					
Mn	55	-0.034375	2646.752	ug/L	0.05					
Fe	56	-30.28972	1947854	ug/L	2.314					
Fe	57	6.402094	8574.906	ug/L	2.994					
Co	59	0.018047	240.339	ug/L	0.003					
Ni	60	0.049621	148.669	ug/L	0.006					
Ni	62	0.029073	45.667	ug/L	0.015					
Cu	63	0.084229	491.352	ug/L	0.01					
Zn	64	0.068308	934.808	ug/L	0.01					
Cu	65	0.071727	208.004	ug/L	0.007					
Zn	66	0.034929	524.02	ug/L	0.014					
Zn	68	0.038285	466.683	ug/L	0.006					
Ge	72	128074.54		ug/L						
As	75	0.121217	5.482	ug/L	0.086					
Se	74	34.378139	14599.44	mg/L	58.759					
ArCl	77	567.357		ug/L						

Br		79	2081.259	ug/L						
Br		81	17312.977	ug/L						
Y		89	350865.66	ug/L						
Mo		95	0.572925	1972.568	ug/L	0.063				
Rh		103	368085.65	ug/L						
Ag		107	1.411663	16214.49	ug/L	0.399				
Ag		109	1.394263	15367.61	ug/L	0.387				
Cd		111	0.014146	65.001	ug/L	0.006				
Cd		114	-0.033659	167.337	ug/L	0.004				
In		115	486360.46	ug/L						
Sb		121	1.370565	13696.46	ug/L	0.08				
Sb		123	1.379991	10601.23	ug/L	0.058				
Ba		137	0.027145	177.004	ug/L	0.006				
Ba		138	0.026502	1030.923	ug/L	0.005				
Tb		159	623716.3	ug/L						
Ho		165	583450.01	ug/L						
Hg		200	0.000038	19	ug/L	0.002				
Hg		202	-0.000697	25.334	ug/L	0				
Tl		205	0.016458	804.377	ug/L	0.005				
Pb		208	0.031388	1816.09	ug/L	0.005				
Bi		209	429081.27	ug/L						
Se		77	-1.468702	568.018	mg/L	0.331				
Se		78	-5.899632	12979.15	mg/L	0.351				
Se		82	0.268185	43.448	mg/L	0.235				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	74.254								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	72.734
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	81.123
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.126
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Tuesday August 30 2011 3:58:15
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.18819
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5196.153		ug/L						
Be	9	68.430462	19120.62	ug/L	0.73					
B	10	72.288343	4504.494	ug/L	1.372					
B	11	74.840466	22837.56	ug/L	2.71					
C	12	312977.11		ug/L						
Na	23	111.47021	534574.2	ug/L	2.007					
Mg	24	109.55108	331054.6	ug/L	1.932					
Mg	25	106.52622	46389.36	ug/L	2.124					
Al	27	104.78324	507916	ug/L	0.598					
Si	28	182569.78		ug/L						
P	31	1.074044	6940.071	ug/L	6.145					
S	32	66251330		ug/L						
Cl	35	7407870.9		ug/L						
K	39	1098.5073	8904554	ug/L	25.77					
Ca	44	47.611175	52717.67	ug/L	2.136					
Sc	45	137334.95		ug/L						
Ti	47	103.92335	63738.3	ug/L	1.154					
Ti	48	104.20018	657421.9	ug/L	2.801					
V	51	98.84154	865019.8	ug/L	0.294					
ClO	51	879743.03		ug/L						
Cr	52	100.83859	724984.2	ug/L	0.707					
Cr	53	95.710194	93875.15	ug/L	0.221					
Fe	54	129.13839	103686.9	ug/L	11.073					
Mn	55	96.084903	1091203	ug/L	0.074					
Fe	56	151.36871	3576486	ug/L	10.96					
Fe	57	108.1335	29470.64	ug/L	0.217					
Co	59	96.40873	836117.3	ug/L	2.123					
Ni	60	88.786777	181343.7	ug/L	0.39					
Ni	62	89.16844	27540.26	ug/L	0.322					
Cu	63	96.082988	417202.9	ug/L	0.753					
Zn	64	86.28441	185835.8	ug/L	0.734					
Cu	65	97.446675	205096.4	ug/L	1.152					
Zn	66	87.260298	109759.7	ug/L	1.696					
Zn	68	86.32849	78880.86	ug/L	0.467					
Ge	72	128815.56		ug/L						
As	75	105.62155	142112.5	ug/L	0.029					
Se	74	65.885955	13081.74	mg/L	0.549					
ArCl	77	10493.825		ug/L						

Br	79	1998.24	ug/L			
Br	81	17019.754	ug/L			
Y	89	351120.39	ug/L			
Mo	95	105.22416	348221.6	ug/L	4.063	
Rh	103	366140.37	ug/L			
Ag	107	49.99827	567742.8	ug/L	5.966	
Ag	109	45.952212	501358.4	ug/L	0.393	
Cd	111	96.964069	286096.2	ug/L	1.604	
Cd	114	98.29325	671552.9	ug/L	1.566	
In	115	496071.42	ug/L			
Sb	121	95.332519	922836.3	ug/L	3.731	
Sb	123	96.057562	715579.8	ug/L	3.899	
Ba	137	110.95881	531589.9	ug/L	1.069	
Ba	138	113.87352	3482819	ug/L	0.655	
Tb	159	612576.18	ug/L			
Ho	165	587480.13	ug/L			
Hg	200	0.984668	2110.933	ug/L	0.011	
Hg	202	1.00363	2830.136	ug/L	0.011	
Tl	205	108.76383	2956457	ug/L	1.055	
Pb	208	97.900014	3689512	ug/L	3.071	
Bi	209	435526.43	ug/L			
Se	77	77.660054	10482.04	mg/L	0.286	
Se	78	70.272324	44995.41	mg/L	1.597	
Se	82	73.57769	14363.73	mg/L	0.389	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	67.753							
|	B	72.072							
|	B	74.617							
|	C								
|	Na	110.04							
|	Mg	108.466							
|	Mg	105.472							
|	Al	104.366							
|	Si								
|	P								
|	S								
|	Cl								
|	K	109.522							
|	Ca	47.186							
|>	Sc	76.005							
|	Ti	103.923							
|	Ti	104.2							
|	V	98.448							
|	ClO								
|	Cr	99.84							

	Cr	94.763
	Fe	128.368
	Mn	95.702
	Fe	150.466
	Fe	107.489
	Co	95.834
	Ni	88.082
	Ni	88.461
	Cu	96.179
	Zn	85.685
	Cu	97.544
	Zn	86.654
|-	Zn	85.728
|>	Ge	73.155
	As	106.259
	Se	65.754
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	104.909
|-	Rh	
	Ag	49.601
	Ag	45.588
	Cd	96.482
	Cd	97.804
|>	In	82.742
	Sb	95.047
	Sb	95.77
	Ba	110.188
|-	Ba	113.082
|-	Tb	
|>	Ho	86.721
	Hg	98.467
	Hg	100.363
	Tl	108.764
	Pb	97.9
|-	Bi	
	Se	77.505
	Se	70.132
	Se	73.431

Sample ID: QC Std 5
Sample Date/Time Tuesday August 30 2011 4:05:09
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.1882
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5349.574		ug/L						
Be	9	28.956875	8200.446	ug/L	0.12					
B	10	116.05583	7285.324	ug/L	0.32					
B	11	123.01632	37860.08	ug/L	1.793					
C	12	310283.51		ug/L						
Na	23	12.408863	69457.99	ug/L	0.168					
Mg	24	0.660273	2427.234	ug/L	0.071					
Mg	25	0.570219	320.038	ug/L	0.137					
Al	27	188.71762	923612	ug/L	3.328					
Si	28	91877.79		ug/L						
P	31	1.143482	7036.76	ug/L	1.019					
S	32	66964896		ug/L						
Cl	35	7021791.5		ug/L						
K	39	3.465555	729850.9	ug/L	1.776					
Ca	44	-57.29405	29156.27	ug/L	4.12					
Sc	45	139077.17		ug/L						
Ti	47	0.201862	295.341	ug/L	0.089					
Ti	48	0.454414	-298.392	ug/L	0.047					
V	51	24.872863	241214.1	ug/L	0.049					
ClO	51	248236.37		ug/L						
Cr	52	48.70703	357644.4	ug/L	0.97					
Cr	53	46.42853	50927.1	ug/L	0.058					
Fe	54	222.24776	150906.4	ug/L	8.692					
Mn	55	101.83224	1170892	ug/L	0.895					
Fe	56	216.01961	4191249	ug/L	7.657					
Fe	57	191.23311	46958.99	ug/L	0.773					
Co	59	22.826606	200522.8	ug/L	0.097					
Ni	60	179.47448	371144.9	ug/L	2.428					
Ni	62	180.6049	56447.6	ug/L	1.484					
Cu	63	75.766814	333167.2	ug/L	1.349					
Zn	64	87.602745	191060	ug/L	0.256					
Cu	65	74.644412	159111.6	ug/L	0.706					
Zn	66	89.539013	114041.3	ug/L	1.361					
Zn	68	91.055093	84230.6	ug/L	0.371					
Ge	72	128647.99		ug/L						
As	75	44.691534	59954.03	ug/L	0.789					
Se	74	41.591913	14290.13	mg/L	33.88					
ArCl	77	16593.968		ug/L						

Br	79	1980.903	ug/L			
Br	81	17006.063	ug/L			
Y	89	348828.14	ug/L			
Mo	95	45.865638	151568.9	ug/L	2.277	
Rh	103	364723.52	ug/L			
Ag	107	48.401712	544458.4	ug/L	5.187	
Ag	109	55.097347	595840	ug/L	1.114	
Cd	111	22.64481	66249.18	ug/L	0.296	
Cd	114	22.835153	154949.7	ug/L	0.459	
In	115	491745.96	ug/L			
Sb	121	51.75491	496876.1	ug/L	0.869	
Sb	123	50.936306	376327.1	ug/L	1.092	
Ba	137	155.43983	738163.6	ug/L	1.571	
Ba	138	160.50175	4865784	ug/L	2.518	
Tb	159	617198.17	ug/L			
Ho	165	587417.43	ug/L			
Hg	200	1.074856	2302.648	ug/L	0.008	
Hg	202	1.07555	3030.202	ug/L	0.006	
Tl	205	14.311182	389292.3	ug/L	0.217	
Pb	208	107.64317	4057221	ug/L	1.59	
Bi	209	439941.33	ug/L			
Se	77	124.69259	16374.73	mg/L	0.452	
Se	78	116.27388	64330.59	mg/L	1.54	
Se	82	118.44385	23127.88	mg/L	2.204	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	67.974							
|	B	72.535							
|	B	76.885							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	107.226							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	76.969							
|	Ti								
|	Ti								
|	V	99.891							
|	ClO								
|	Cr	98.998							

	Cr	94.367
	Fe	124.161
	Mn	96.068
	Fe	120.681
	Fe	106.834
	Co	97.968
	Ni	87.978
	Ni	88.532
	Cu	96.889
	Zn	83.431
	Cu	95.453
	Zn	85.275
-	Zn	86.719
>	Ge	73.06
	As	113.43
	Se	25.995
	ArCl	
	Br	
	Br	
	Y	
-	Mo	109.465
-	Rh	
	Ag	96.226
	Ag	109.537
	Cd	97.607
	Cd	98.427
>	In	82.021
	Sb	111.301
	Sb	109.54
	Ba	110.241
-	Ba	113.831
-	Tb	
>	Ho	86.712
	Hg	107.486
	Hg	107.555
	Tl	100.783
	Pb	103.503
-	Bi	
	Se	77.933
	Se	72.671
	Se	74.027

Sample ID: QC Std 6
Sample Date/Time Tuesday August 30 2011 4:12:04
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18821
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5333.565		ug/L						
Be	9	-0.013286	8.667	ug/L	0.011					
B	10	0.57707	104.668	ug/L	0.174					
B	11	0.736222	503.019	ug/L	0.165					
C	12	318860.25		ug/L						
Na	23	10554.122	52825645	ug/L	309.536					
Mg	24	10959.791	35184451	ug/L	313.991					
Mg	25	11037.487	5105175	ug/L	387.626					
Al	27	10976.368	56239568	ug/L	225.652					
Si	28	49968.62		ug/L						
P	31	11804.406	2975697	ug/L	407.057					
S	32	63578702		ug/L						
Cl	35	6490260		ug/L						
K	39	10192.227	81778113	ug/L	255.807					
Ca	44	10439.677	2578415	ug/L	24.528					
Sc	45	146162.39		ug/L						
Ti	47	24.765526	16290.41	ug/L	1.045					
Ti	48	7.816828	49237.07	ug/L	1.072					
V	51	-0.325396	26228.71	ug/L	0.074					
ClO	51	27362.057		ug/L						
Cr	52	0.096042	6925.736	ug/L	0.039					
Cr	53	-1.23891	8648.866	ug/L	0.175					
Fe	54	11004.125	5749352	ug/L	180.485					
Mn	55	-0.064569	2513.711	ug/L	0.042					
Fe	56	10820.481	1.03E+08	ug/L	670.271					
Fe	57	11406.763	2475202	ug/L	450.055					
Co	59	0.036132	428.348	ug/L	0.003					
Ni	60	0.244345	585.025	ug/L	0.004					
Ni	62	0.07469	64.668	ug/L	0.004					
Cu	63	0.220993	1166.42	ug/L	0.011					
Zn	64	0.487677	1974.246	ug/L	0.026					
Cu	65	0.148586	398.679	ug/L	0.003					
Zn	66	0.430155	1098.077	ug/L	0.024					
Zn	68	0.345792	805.377	ug/L	0.02					
Ge	72	130928.4		ug/L						
As	75	0.166117	65.151	ug/L	0.091					
Se	74	102.8946	11372.27	mg/L	3.404					
ArCl	77	552.356		ug/L						

Br	79	2081.593	ug/L				
Br	81	17218.797	ug/L				
Y	89	348240.6	ug/L				
Mo	95	0.393619	1410.458	ug/L	0.059		
Rh	103	351492.2	ug/L				
Ag	107	0.513705	6174.54	ug/L	0.131		
Ag	109	0.509039	5855.986	ug/L	0.127		
Cd	111	0.014052	64.334	ug/L	0.001		
Cd	114	-0.029454	194.004	ug/L	0.004		
In	115	483368.82	ug/L				
Sb	121	1.12898	11326.51	ug/L	0.102		
Sb	123	1.125536	8683.458	ug/L	0.107		
Ba	137	0.067379	363.678	ug/L	0		
Ba	138	0.06497	2170.341	ug/L	0.002		
Tb	159	602751.57	ug/L				
Ho	165	583788.57	ug/L				
Hg	200	0.016209	53.001	ug/L	0.006		
Hg	202	0.009748	54.334	ug/L	0		
Tl	205	0.007363	559.023	ug/L	0.002		
Pb	208	0.041742	2204.794	ug/L	0.002		
Bi	209	412810.75	ug/L				
Se	77	-1.809267	525.349	mg/L	0.06		
Se	78	-6.33734	12795.17	mg/L	0.638		
Se	82	0.43238	75.522	mg/L	0.046		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	105.541							
|	Mg	109.598							
|	Mg	110.375							
|	Al	109.764							
|	Si								
|	P	118.044							
|	S								
|	Cl								
|	K	101.922							
|	Ca	104.397							
|>	Sc	80.89							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	110.041
	Mn	
	Fe	108.205
	Fe	114.068
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	74.355
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	80.624
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.176
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 4:19:05
Autosampl Position: 87
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18822
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5309.552		ug/L						
Be	9	-0.011943	8.667	ug/L	0.024					
B	10	0.046129	67.001	ug/L	0.054					
B	11	0.225231	324.342	ug/L	0.052					
C	12	307397.85		ug/L						
Na	23	9.834619	57372.86	ug/L	0.249					
Mg	24	0.898203	3167.537	ug/L	0.063					
Mg	25	0.822341	433.387	ug/L	0.179					
Al	27	5.440227	29985.7	ug/L	0.163					
Si	28	50575.343		ug/L						
P	31	-1.623757	6392.894	ug/L	2.605					
S	32	68476358		ug/L						
Cl	35	7868660.4		ug/L						
K	39	5.662825	748930.2	ug/L	2.671					
Ca	44	-62.43029	28062.73	ug/L	4.453					
Sc	45	139542.9		ug/L						
Ti	47	-0.052321	138.669	ug/L	0					
Ti	48	0.274796	-1453.94	ug/L	0.019					
V	51	0.167924	29299.1	ug/L	0.022					
ClO	51	30203.058		ug/L						
Cr	52	0.110027	6718.151	ug/L	0.009					
Cr	53	0.243235	9591.486	ug/L	0.089					
Fe	54	15.96231	49281.41	ug/L	1.095					
Mn	55	-0.131436	1639.831	ug/L	0.008					
Fe	56	-35.97637	1975598	ug/L	0.688					
Fe	57	5.565518	8748.415	ug/L	0.391					
Co	59	0.004307	129.002	ug/L	0.001					
Ni	60	0.080958	219.672	ug/L	0.003					
Ni	62	0.077707	62.668	ug/L	0.021					
Cu	63	0.190786	981.063	ug/L	0.007					
Zn	64	0.635416	2207.868	ug/L	0.005					
Cu	65	0.169861	426.348	ug/L	0.008					
Zn	66	0.655236	1334.111	ug/L	0.011					
Zn	68	0.6262	1028.068	ug/L	0.008					
Ge	72	133433.47		ug/L						
As	75	0.015297	-142.339	ug/L	0.007					
Se	74	36.487284	15099.59	mg/L	36.093					
ArCl	77	591.358		ug/L						

Br	79	1766.523	ug/L						
Br	81	17723.104	ug/L						
Y	89	365020.1	ug/L						
Mo	95	0.184183	722.369	ug/L	0				
Rh	103	386115.86	ug/L						
Ag	107	0.191339	2808.462	ug/L	0.01				
Ag	109	0.196402	2725.77	ug/L	0.01				
Cd	111	0.003061	35	ug/L	0.001				
Cd	114	-0.042691	113.669	ug/L	0.003				
In	115	517218.49	ug/L						
Sb	121	0.4925	5710.183	ug/L	0.001				
Sb	123	0.489883	4365.657	ug/L	0.005				
Ba	137	0.014358	124.335	ug/L	0				
Ba	138	0.014859	724.906	ug/L	0				
Tb	159	630039.44	ug/L						
Ho	165	603409.55	ug/L						
Hg	200	0.002322	24.667	ug/L	0				
Hg	202	-0.000659	26.334	ug/L	0.002				
Tl	205	0.001237	407.68	ug/L	0.001				
Pb	208	0.032885	1937.432	ug/L	0.001				
Bi	209	432555.7	ug/L						
Se	77	-1.000424	626.688	mg/L	0.06				
Se	78	-5.083482	13322.19	mg/L	0.348				
Se	82	0.078607	6.416	mg/L	0.107				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	77.227							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	75.778
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.27
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.073
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.05
Sample Date/Time Tuesday August 30 2011 4:25:36
Autosampl Position: 88
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.05.18823
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9880.033		ug/L						
Be	9	0.009402	17.667	ug/L	0.017					
B	10	171.46252	12833.85	ug/L	2.211					
B	11	180.67541	66330.1	ug/L	4.775					
C	12	7339972.9		ug/L						
Na	23	76550.285	4.36E+08	ug/L	1547.16					
Mg	24	19622.791	71688249	ug/L	788.972					
Mg	25	19585.737	10311740	ug/L	548.257					
Al	27	0.877102	9132.164	ug/L	0.015					
Si	28	23663970		ug/L						
P	31	429.73353	131074.7	ug/L	20.659					
S	32	62803510		ug/L						
Cl	35	2362472.4		ug/L						
K	39	19470.875	1.77E+08	ug/L	406.727					
Ca	44	30619.795	8503948	ug/L	1041.327					
Sc	45	166322.76		ug/L						
Ti	47	2.245224	1866.877	ug/L	0.062					
Ti	48	23.664677	178069.9	ug/L	2.229					
V	51	-1.125993	21645.3	ug/L	0.012					
ClO	51	22111.751		ug/L						
Cr	52	-0.290626	4548.304	ug/L	0.01					
Cr	53	-3.820838	7080.161	ug/L	0.041					
Fe	54	13311.164	7902147	ug/L	562.7					
Mn	55	2957.8485	40561170	ug/L	52.206					
Fe	56	13270.844	1.43E+08	ug/L	433.11					
Fe	57	14290.033	3526967	ug/L	645.758					
Co	59	3.226282	33984.42	ug/L	0.029					
Ni	60	8.477975	21022.82	ug/L	0.148					
Ni	62	8.0398	3048.875	ug/L	0.009					
Cu	63	0.810883	4427.789	ug/L	0.027					
Zn	64	0.256034	1645.625	ug/L	0.019					
Cu	65	0.252454	718.036	ug/L	0.016					
Zn	66	0.046712	667.031	ug/L	0.017					
Zn	68	3.54552	4437.461	ug/L	0.032					
Ge	72	129188.81		ug/L						
As	75	17.430859	23387.39	ug/L	0.341					
Se	74	117.29565	10481.85	mg/L	27.373					
ArCl	77	386.679		ug/L						

Br		79	305111.05	ug/L					
Br		81	340865.55	ug/L					
Y		89	343070.85	ug/L					
Mo		95	26.15229	86883.76	ug/L	2.667			
Rh		103	342367.48	ug/L					
Ag		107	-0.002113	476.018	ug/L	0.017			
Ag		109	-0.000451	446.683	ug/L	0.015			
Cd		111	0.079961	249.006	ug/L	0.008			
Cd		114	0.015128	481.684	ug/L	0.008			
In		115	474004.15	ug/L					
Sb		121	0.300855	3462.361	ug/L	0.008			
Sb		123	0.30814	2709.027	ug/L	0.016			
Ba		137	183.67648	840741.9	ug/L	2.721			
Ba		138	190.59099	5569481	ug/L	2.103			
Tb		159	619708.93	ug/L					
Ho		165	593079.74	ug/L					
Hg		200	0.043977	113.669	ug/L	0.007			
Hg		202	0.030582	114.002	ug/L	0.005			
Tl		205	0.054281	1855.542	ug/L	0.006			
Pb		208	0.002633	752.686	ug/L	0.002			
Bi		209	347016.21	ug/L					
Se		77	-3.448211	320.006	mg/L	0.06			
Se		78	-7.237584	12416.78	mg/L	0.166			
Se		82	3.447136	664.424	mg/L	0.063			
QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.047							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	73.367
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	79.062
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.548
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.06
Sample Date/Time Tuesday August 30 2011 4:32:08
Autosampl Position: 89
Sample Descriptior Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.06.18824
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5094.761		ug/L						
Be	9	-0.016573	6.667	ug/L	0.002					
B	10	0.713608	97.335	ug/L	0.231					
B	11	1.129566	538.355	ug/L	0.36					
C	12	514696.34		ug/L						
Na	23	265.78313	1149972	ug/L	14.221					
Mg	24	15.110702	41977.55	ug/L	0.74					
Mg	25	14.785846	5935.866	ug/L	0.092					
Al	27	0.483785	5145.305	ug/L	0.115					
Si	28	392277.09		ug/L						
P	31	-13.44791	3184.212	ug/L	2.239					
S	32	64253346		ug/L						
Cl	35	61799.38		ug/L						
K	39	15.409187	738731.9	ug/L	7.062					
Ca	44	20.271667	42389.5	ug/L	13.748					
Sc	45	125469.21		ug/L						
Ti	47	-0.06654	116.335	ug/L	0.026					
Ti	48	0.273919	-1308.64	ug/L	0.028					
V	51	-1.066993	16737.58	ug/L	0.218					
ClO	51	17345.394		ug/L						
Cr	52	0.098682	5960.366	ug/L	0.037					
Cr	53	-4.056767	5137.17	ug/L	0.576					
Fe	54	-19.99227	28294.16	ug/L	0.903					
Mn	55	0.255158	5476.709	ug/L	0.011					
Fe	56	-25.83139	1854774	ug/L	10.585					
Fe	57	17.017846	9986.482	ug/L	1.558					
Co	59	0.001861	96.335	ug/L	0.002					
Ni	60	0.036293	114.002	ug/L	0.004					
Ni	62	0.044311	46.667	ug/L	0.039					
Cu	63	0.067277	392.346	ug/L	0.001					
Zn	64	0.043638	824.02	ug/L	0.031					
Cu	65	0.054647	161.003	ug/L	0.014					
Zn	66	0.040381	494.685	ug/L	0.047					
Zn	68	0.024967	424.681	ug/L	0.028					
Ge	72	128516.7		ug/L						
As	75	0.114297	-4.141	ug/L	0.035					
Se	74	26.701962	15050.92	mg/L	39.541					
ArCl	77	193.337		ug/L						

Br		79	1455.465	ug/L						
Br		81	15578.158	ug/L						
Y		89	343884.12	ug/L						
Mo		95	0.306184	1098.411	ug/L	0.008				
Rh		103	369428.52	ug/L						
Ag		107	0.326218	4192.008	ug/L	0.001				
Ag		109	0.32578	3994.918	ug/L	0.01				
Cd		111	0.005229	39.667	ug/L	0.001				
Cd		114	-0.041621	115.335	ug/L	0.004				
In		115	492408.23	ug/L						
Sb		121	0.10077	1675.171	ug/L	0.009				
Sb		123	0.100021	1275.551	ug/L	0.016				
Ba		137	0.355403	1739.851	ug/L	0.016				
Ba		138	0.351941	10922.85	ug/L	0.002				
Tb		159	628933.2	ug/L						
Ho		165	597541.31	ug/L						
Hg		200	-0.001103	17	ug/L	0.001				
Hg		202	-0.002325	21.334	ug/L	0				
Tl		205	0.012898	725.703	ug/L	0.001				
Pb		208	-0.002146	575.346	ug/L	0				
Bi		209	362204.65	ug/L						
Se		77	-4.586936	177.335	mg/L	0.135				
Se		78	-7.265203	12405.18	mg/L	0.612				
Se		82	0.130174	16.489	mg/L	0.112				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	69.438								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	72.985
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	82.131
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.206
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.09
Sample Date/Time Tuesday August 30 2011 4:38:40
Autosampl Position: 90
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.09.18825
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5029.391		ug/L						
Be	9	-0.016014	9.333	ug/L	0.019					
B	10	148.61718	11577.48	ug/L	0.872					
B	11	155.49065	59412.1	ug/L	0.254					
C	12	8564857.8		ug/L						
Na	23	57938.092	3.43E+08	ug/L	433.735					
Mg	24	18833.996	71574608	ug/L	189.27					
Mg	25	18831.729	10311649	ug/L	23.25					
Al	27	2.08426	16813.88	ug/L	0.067					
Si	28	32763971		ug/L						
P	31	211.30346	71315.74	ug/L	2.678					
S	32	62647823		ug/L						
Cl	35	1328763.9		ug/L						
K	39	18757.255	1.77E+08	ug/L	121.752					
Ca	44	38678.287	11159204	ug/L	195.674					
Sc	45	172925.24		ug/L						
Ti	47	2.285476	1972.567	ug/L	0.005					
Ti	48	28.995258	227488.9	ug/L	0.004					
V	51	-1.261879	21054.91	ug/L	0.038					
ClO	51	21710.456		ug/L						
Cr	52	-0.241143	5172.75	ug/L	0.013					
Cr	53	-5.162506	5867.286	ug/L	0.152					
Fe	54	19995.533	12321147	ug/L	242.989					
Mn	55	906.26002	12926408	ug/L	1.697					
Fe	56	19936.923	2.21E+08	ug/L	266.015					
Fe	57	20706.349	5311894	ug/L	121.823					
Co	59	2.631793	28846.32	ug/L	0.006					
Ni	60	5.603626	14470.65	ug/L	0.08					
Ni	62	4.99653	1987.904	ug/L	0.076					
Cu	63	0.659068	3775.488	ug/L	0.002					
Zn	64	0.348886	1962.026	ug/L	0.02					
Cu	65	0.243726	724.036	ug/L	0.011					
Zn	66	0.165531	881.052	ug/L	0.02					
Zn	68	1.555163	2336.657	ug/L	0.046					
Ge	72	126688.74		ug/L						
As	75	108.61333	143731.7	ug/L	0.225					
Se	74	140.83145	9097.009	mg/L	8.652					
ArCl	77	287.341		ug/L						

Br	79	140166.02	ug/L						
Br	81	162939.86	ug/L						
Y	89	336254.21	ug/L						
Mo	95	2.442288	8039.998	ug/L	0.29				
Rh	103	337053.93	ug/L						
Ag	107	-0.001141	480.351	ug/L	0.012				
Ag	109	-0.000235	443.682	ug/L	0.004				
Cd	111	0.014068	62.334	ug/L	0.002				
Cd	114	-0.035241	150.669	ug/L	0.002				
In	115	467903.06	ug/L						
Sb	121	0.203826	2532.378	ug/L	0.002				
Sb	123	0.204615	1947.66	ug/L	0.018				
Ba	137	70.611684	319072.6	ug/L	1.032				
Ba	138	73.545737	2121598	ug/L	0.84				
Tb	159	621629.31	ug/L						
Ho	165	595461.47	ug/L						
Hg	200	0.006964	34.334	ug/L	0				
Hg	202	0.001248	31.334	ug/L	0.002				
Tl	205	0.007894	586.025	ug/L	0.001				
Pb	208	0.006506	904.36	ug/L	0.001				
Bi	209	359296.51	ug/L						
Se	77	-3.30986	337.34	mg/L	0.286				
Se	78	-7.949978	12117.35	mg/L	0.053				
Se	82	1.697482	322.647	mg/L	0.025				

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.701							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	71.947
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	78.044
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.899
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 4:45:12
Autosampl Position: 91
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18826
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5017.385		ug/L						
Be	9	-0.006624	9.667	ug/L	0.002					
B	10	0.926631	115.335	ug/L	0.18					
B	11	1.285875	614.36	ug/L	0.28					
C	12	369782.44		ug/L						
Na	23	21.527313	107152.2	ug/L	1.123					
Mg	24	2.043229	6312.848	ug/L	0.359					
Mg	25	1.940252	876.797	ug/L	0.078					
Al	27	1.036989	7990.977	ug/L	0.015					
Si	28	52486.343		ug/L						
P	31	1.291579	6713.153	ug/L	1.985					
S	32	67033009		ug/L						
Cl	35	7837231		ug/L						
K	39	16.053973	783332.2	ug/L	2.551					
Ca	44	-57.86041	27557.79	ug/L	2.889					
Sc	45	132034.63		ug/L						
Ti	47	-0.037486	140.002	ug/L	0.023					
Ti	48	0.265794	-1431.02	ug/L	0.011					
V	51	-0.038592	26043.86	ug/L	0.062					
ClO	51	26682.37		ug/L						
Cr	52	0.111706	6367.986	ug/L	0.016					
Cr	53	-0.436081	8498.389	ug/L	0.029					
Fe	54	74.152818	73872.1	ug/L	10.951					
Mn	55	-0.04649	2475.695	ug/L	0.003					
Fe	56	88.17657	2908553	ug/L	8.427					
Fe	57	54.31047	17799.27	ug/L	10.021					
Co	59	0.002248	105.002	ug/L	0.001					
Ni	60	0.040925	129.336	ug/L	0.004					
Ni	62	0.066439	56.001	ug/L	0.004					
Cu	63	0.05816	375.011	ug/L	0.001					
Zn	64	1.892691	4680.353	ug/L	0.071					
Cu	65	0.042855	146.336	ug/L	0.003					
Zn	66	1.956691	2829.802	ug/L	0.076					
Zn	68	1.937357	2117.935	ug/L	0.051					
Ge	72	127464.74		ug/L						
As	75	0.223702	141.867	ug/L	0.02					
Se	74	55.72131	13460.36	mg/L	10.746					
ArCl	77	510.686		ug/L						

Br	79	2197.287	ug/L						
Br	81	17282.919	ug/L						
Y	89	346498.63	ug/L						
Mo	95	0.198731	737.704	ug/L	0.002				
Rh	103	374815.38	ug/L						
Ag	107	0.100036	1648.833	ug/L	0.007				
Ag	109	0.100309	1557.816	ug/L	0.009				
Cd	111	0.004036	36.334	ug/L	0.001				
Cd	114	-0.039449	130.336	ug/L	0.002				
In	115	493681.15	ug/L						
Sb	121	0.267537	3283.959	ug/L	0.008				
Sb	123	0.264358	2495.811	ug/L	0.007				
Ba	137	0.068529	376.678	ug/L	0.004				
Ba	138	0.067405	2289.501	ug/L	0.004				
Tb	159	620431.62	ug/L						
Ho	165	592331.17	ug/L						
Hg	200	0.002846	25.334	ug/L	0				
Hg	202	-0.002491	20.667	ug/L	0.001				
Tl	205	-0.000317	357.677	ug/L	0				
Pb	208	0.015537	1242.379	ug/L	0.001				
Bi	209	424624.66	ug/L						
Se	77	-2.000834	501.347	mg/L	0				
Se	78	-6.363724	12784.08	mg/L	0.078				
Se	82	0.01888	-5.251	mg/L	0.163				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	73.071							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	72.388
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	82.344
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.437
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: BLK
Sample Date/Time Tuesday August 30 2011 4:51:45
Autosampl Position: 92
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\BLK.18827
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5250.849		ug/L						
Be	9	-0.022416	5.667	ug/L	0.002					
B	10	0.330591	83.668	ug/L	0.13					
B	11	0.576368	426.681	ug/L	0.084					
C	12	412529.78		ug/L						
Na	23	11.333288	63729.02	ug/L	0.35					
Mg	24	0.654111	2387.219	ug/L	0.019					
Mg	25	0.736732	390.048	ug/L	0.227					
Al	27	102.69	499462.3	ug/L	0.431					
Si	28	79386.354		ug/L						
P	31	-0.681649	6539.686	ug/L	3.039					
S	32	67058957		ug/L						
Cl	35	7567680.2		ug/L						
K	39	6.052254	742520.9	ug/L	1.335					
Ca	44	-70.55539	25855.97	ug/L	0.119					
Sc	45	137780.23		ug/L						
Ti	47	0.003219	171.003	ug/L	0.018					
Ti	48	0.273472	-1444.81	ug/L	0.009					
V	51	0.005853	27552.3	ug/L	0.055					
ClO	51	28053.499		ug/L						
Cr	52	0.091246	6499.301	ug/L	0.003					
Cr	53	-0.359359	8936.146	ug/L	0.074					
Fe	54	23.339489	52269.39	ug/L	0.449					
Mn	55	-0.158349	1312.775	ug/L	0.011					
Fe	56	-37.65008	1936055	ug/L	4.12					
Fe	57	13.840632	10326.9	ug/L	1.15					
Co	59	-0.000994	81.335	ug/L	0.001					
Ni	60	0.030222	113.002	ug/L	0.005					
Ni	62	0.029502	47.001	ug/L	0.02					
Cu	63	0.030767	272.007	ug/L	0.001					
Zn	64	0.850091	2641.754	ug/L	0					
Cu	65	0.019925	104.335	ug/L	0.007					
Zn	66	0.889891	1612.159	ug/L	0.005					
Zn	68	0.810087	1182.755	ug/L	0.026					
Ge	72	130370.89		ug/L						
As	75	0.090598	-36.312	ug/L	0.017					
Se	74	73.269247	12834.07	mg/L	77.212					
ArCl	77	511.686		ug/L						

Br		79	1893.216	ug/L						
Br		81	17455.584	ug/L						
Y		89	354365.71	ug/L						
Mo		95	0.094979	407.013	ug/L	0.005				
Rh		103	376098.07	ug/L						
Ag		107	0.19521	2746.776	ug/L	0.011				
Ag		109	0.133546	1934.892	ug/L	0.001				
Cd		111	0.010731	56.334	ug/L	0.002				
Cd		114	-0.047298	77.668	ug/L	0.002				
In		115	497621.99	ug/L						
Sb		121	0.146212	2133.605	ug/L	0.007				
Sb		123	0.144072	1617.81	ug/L	0.01				
Ba		137	0.008856	93.335	ug/L	0.004				
Ba		138	0.007787	480.818	ug/L	0.001				
Tb		159	626524.06	ug/L						
Ho		165	599685.01	ug/L						
Hg		200	0.000856	21.334	ug/L	0.002				
Hg		202	-0.003871	17	ug/L	0				
Tl		205	-0.003793	265.673	ug/L	0.001				
Pb		208	-0.001726	593.68	ug/L	0				
Bi		209	437622.67	ug/L						
Se		77	-1.766696	530.682	mg/L	0.331				
Se		78	-6.426179	12757.83	mg/L	1.167				
Se		82	0.162811	22.864	mg/L	0.066				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	76.251								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	74.038
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.001
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.523
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: filter BLK
Sample Date/Time Tuesday August 30 2011 4:58:17
Autosampl Position: 93
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata BLK.18828
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	4899.988		ug/L						
Be	9	-0.010851	9	ug/L	0.008					
B	10	0.054844	67.334	ug/L	0.055					
B	11	0.416745	382.012	ug/L	0.059					
C	12	424318.21		ug/L						
Na	23	17.414107	93332.65	ug/L	0.359					
Mg	24	7.005109	21872.77	ug/L	5.423					
Mg	25	7.088071	3197.674	ug/L	4.811					
Al	27	36.57821	181840.6	ug/L	1.56					
Si	28	72290.193		ug/L						
P	31	5.580743	8101.114	ug/L	4.532					
S	32	66945435		ug/L						
Cl	35	7536094.2		ug/L						
K	39	3.83443	732996.7	ug/L	1.264					
Ca	44	26.114567	48443.56	ug/L	0.718					
Sc	45	139133.97		ug/L						
Ti	47	-0.022068	157.003	ug/L	0.005					
Ti	48	0.373483	-816.671	ug/L	0.005					
V	51	0.0619	28304.95	ug/L	0.032					
ClO	51	29145.948		ug/L						
Cr	52	0.123126	6794.031	ug/L	0.027					
Cr	53	-0.103112	9253.8	ug/L	0.103					
Fe	54	22.958	52588.81	ug/L	4.447					
Mn	55	0.013818	3300.632	ug/L	0.008					
Fe	56	-46.02391	1881218	ug/L	1.111					
Fe	57	6.627143	8941.956	ug/L	0.161					
Co	59	0.000323	93.668	ug/L	0.001					
Ni	60	0.033875	121.669	ug/L	0					
Ni	62	0.03121	48.001	ug/L	0.005					
Cu	63	0.039641	313.675	ug/L	0.002					
Zn	64	9.706703	21923.15	ug/L	2.455					
Cu	65	0.032131	131.336	ug/L	0.008					
Zn	66	10.117199	13342.5	ug/L	2.3					
Zn	68	9.621006	9310.306	ug/L	2.167					
Ge	72	126852.45		ug/L						
As	75	0.073932	-59.295	ug/L	0.117					
Se	74	22.184031	15066.83	mg/L	25.296					
ArCl	77	540.688		ug/L						

Br	79	1553.148	ug/L			
Br	81	17599.531	ug/L			
Y	89	358522.23	ug/L			
Mo	95	0.06986	314.342	ug/L	0.001	
Rh	103	374061.11	ug/L			
Ag	107	0.139192	2099.263	ug/L	0.007	
Ag	109	0.097362	1533.812	ug/L	0.002	
Cd	111	0.005229	40	ug/L	0.001	
Cd	114	-0.049161	64.668	ug/L	0.001	
In	115	495720.01	ug/L			
Sb	121	0.115185	1825.201	ug/L	0.006	
Sb	123	0.112498	1377.022	ug/L	0.003	
Ba	137	0.115649	603.693	ug/L	0.005	
Ba	138	0.112493	3677.362	ug/L	0.003	
Tb	159	618411.73	ug/L			
Ho	165	590638.97	ug/L			
Hg	200	-0.002556	13.667	ug/L	0.002	
Hg	202	-0.001161	24.334	ug/L	0	
Tl	205	-0.0045	242.006	ug/L	0.001	
Pb	208	0.005009	839.357	ug/L	0.001	
Bi	209	447480.12	ug/L			
Se	77	-1.926336	510.681	mg/L	0.015	
Se	78	-4.698595	13483.96	mg/L	0.072	
Se	82	0.177849	25.802	mg/L	0.043	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc		77						
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	72.04
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	82.684
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.187
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: Ag LCS
Sample Date/Time Tuesday August 30 2011 5:04:49
Autosampl Position: 94
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata LCS.18829
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5208.158		ug/L						
Be	9	-0.018611	6.667	ug/L	0.007					
B	10	0.003924	63.001	ug/L	0.013					
B	11	0.238454	321.676	ug/L	0.035					
C	12	410394.66		ug/L						
Na	23	8.519574	50022.23	ug/L	0.12					
Mg	24	0.89794	3097.507	ug/L	0.118					
Mg	25	0.845251	433.387	ug/L	0.162					
Al	27	0.589345	6122.674	ug/L	0.044					
Si	28	57597.657		ug/L						
P	31	1.575644	7013.41	ug/L	1.949					
S	32	67279513		ug/L						
Cl	35	7335667		ug/L						
K	39	3.913549	720316.2	ug/L	1.639					
Ca	44	-61.7242	27638.05	ug/L	3.662					
Sc	45	136621.66		ug/L						
Ti	47	-0.019062	156.003	ug/L	0.001					
Ti	48	0.258937	-1523.89	ug/L	0.015					
V	51	0.177846	28769.74	ug/L	0.022					
ClO	51	29611.445		ug/L						
Cr	52	0.119048	6642.225	ug/L	0.009					
Cr	53	0.375002	9507.064	ug/L	0.018					
Fe	54	11.294075	45987.63	ug/L	0.971					
Mn	55	-0.143241	1471.134	ug/L	0.015					
Fe	56	-43.47769	1869181	ug/L	2.535					
Fe	57	1.493051	7740.735	ug/L	1.134					
Co	59	0.001168	99.335	ug/L	0.001					
Ni	60	0.023315	98.002	ug/L	0.002					
Ni	62	0.039539	49.667	ug/L	0.012					
Cu	63	0.025525	247.006	ug/L	0.004					
Zn	64	0.788847	2488.572	ug/L	0.031					
Cu	65	0.02066	105.002	ug/L	0.001					
Zn	66	0.850481	1549.481	ug/L	0.004					
Zn	68	0.811369	1174.088	ug/L	0.027					
Ge	72	131432.64		ug/L						
As	75	0.006637	-151.677	ug/L	0.087					
Se	74	113.60743	10855.7	mg/L	21.221					
ArCl	77	537.688		ug/L						

Br	79	1651.833	ug/L						
Br	81	17536.743	ug/L						
Y	89	354696.5	ug/L						
Mo	95	0.064339	307.008	ug/L	0.001				
Rh	103	373705.22	ug/L						
Ag	107	96.029259	1100368	ug/L	2.302				
Ag	109	97.201753	1070348	ug/L	2.601				
Cd	111	0.000833	27.334	ug/L	0.004				
Cd	114	-0.045949	87.668	ug/L	0.002				
In	115	500999.51	ug/L						
Sb	121	0.10008	1697.842	ug/L	0.002				
Sb	123	0.101258	1307.175	ug/L	0.008				
Ba	137	0.014199	119.669	ug/L	0				
Ba	138	0.015438	720.257	ug/L	0.001				
Tb	159	630789.19	ug/L						
Ho	165	595751.53	ug/L						
Hg	200	-0.002321	14.333	ug/L	0.001				
Hg	202	-0.002303	21.334	ug/L	0				
Tl	205	-0.001902	316.009	ug/L	0				
Pb	208	-0.000172	648.682	ug/L	0.002				
Bi	209	425875.31	ug/L						
Se	77	-1.436775	572.018	mg/L	0.166				
Se	78	-5.144989	13296.33	mg/L	0.509				
Se	82	0.190648	28.302	mg/L	0.071				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	75.61							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	74.641
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.564
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.942
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LCS
Sample Date/Time Tuesday August 30 2011 5:11:21
Autosampl Position: 95
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LCS.18830
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5756.489		ug/L						
Be	9	647.29288	216868.9	ug/L	39.196					
B	10	0.193706	90.335	ug/L	0.124					
B	11	0.223437	382.679	ug/L	0.04					
C	12	960390.71		ug/L						
Na	23	11226.525	63376244	ug/L	702.323					
Mg	24	11237.693	40675265	ug/L	861.499					
Mg	25	11487.978	5994688	ug/L	641.593					
Al	27	11631.288	67194063	ug/L	805.222					
Si	28	75395.555		ug/L						
P	31	11446.151	3253393	ug/L	932.984					
S	32	72193386		ug/L						
Cl	35	10304224		ug/L						
K	39	11003.167	99474075	ug/L	811.011					
Ca	44	10851.816	3019692	ug/L	621.519					
Sc	45	165023.49		ug/L						
Ti	47	22.718658	16880.16	ug/L	1.192					
Ti	48	9.444519	67955.34	ug/L	0.977					
V	51	952.0734	9713141	ug/L	57.533					
ClO	51	10021750		ug/L						
Cr	52	936.00839	8019151	ug/L	43.557					
Cr	53	813.83667	874941.4	ug/L	39.976					
Fe	54	11185.943	6590038	ug/L	657.925					
Mn	55	916.52709	12456421	ug/L	55.617					
Fe	56	11051.145	1.18E+08	ug/L	551.07					
Fe	57	11774.405	2882276	ug/L	686.272					
Co	59	899.00016	9350400	ug/L	62.943					
Ni	60	727.79959	1784136	ug/L	27.054					
Ni	62	734.77943	272113.1	ug/L	27.915					
Cu	63	820.18567	4272132	ug/L	46.915					
Zn	64	727.65986	1873716	ug/L	35.534					
Cu	65	775.91253	1959677	ug/L	35.127					
Zn	66	752.36436	1131233	ug/L	40.058					
Zn	68	740.65132	808119.8	ug/L	38.951					
Ge	72	136587.79		ug/L						
As	75	970.13337	1385360	ug/L	17.458					
Se	74	-93.91283	22524.05	mg/L	20.496					
ArCl	77	105272.74		ug/L						

Br	79	6642.498	ug/L						
Br	81	23282.35	ug/L						
Y	89	363108.84	ug/L						
Mo	95	1177.4049	4130126	ug/L	25.892				
Rh	103	371016.99	ug/L						
Ag	107	185.23984	2150562	ug/L	18.849				
Ag	109	188.13047	2097566	ug/L	0.103				
Cd	111	1023.1589	3087128	ug/L	0.742				
Cd	114	1040.2186	7264313	ug/L	0.853				
In	115	507312	ug/L						
Sb	121	1131.3786	11193429	ug/L	33.172				
Sb	123	1108.2278	8437401	ug/L	22.952				
Ba	137	1083.8652	5309558	ug/L	13.039				
Ba	138	1093.3611	34193376	ug/L	14.898				
Tb	159	613681.16	ug/L						
Ho	165	591055.16	ug/L						
Hg	200	1.033336	2227.962	ug/L	0.006				
Hg	202	1.042417	2956.177	ug/L	0.009				
Tl	205	1058.6199	28950692	ug/L	0.086				
Pb	208	1041.607	39499669	ug/L	2.655				
Bi	209	439705.31	ug/L						
Se	77	824.20949	104017	mg/L	3.547				
Se	78	791.46801	348125.3	mg/L	18.578				
Se	82	763.81624	149194.9	mg/L	11.87				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.328							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	77.569
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.617
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.249
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: filter LCS
Sample Date/Time Tuesday August 30 2011 5:17:53
Autosampl Position: 96
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata LCS.18831
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5913.923		ug/L						
Be	9	674.09156	218979.5	ug/L	22.277					
B	10	0.312786	95.668	ug/L	0.106					
B	11	0.271843	388.012	ug/L	0.006					
C	12	987958.65		ug/L						
Na	23	11346.782	62108881	ug/L	390.337					
Mg	24	11940.12	41917004	ug/L	451.114					
Mg	25	11739.273	5938516	ug/L	425.514					
Al	27	11973.052	67065261	ug/L	542.919					
Si	28	80657.669		ug/L						
P	31	11752.767	3239990	ug/L	483.709					
S	32	68233096		ug/L						
Cl	35	10635172		ug/L						
K	39	11330.458	99320894	ug/L	406.983					
Ca	44	11047.719	2979764	ug/L	321.06					
Sc	45	159855.37		ug/L						
Ti	47	21.579128	15555.45	ug/L	0.475					
Ti	48	9.849251	68927.4	ug/L	0.521					
V	51	981.09635	9703412	ug/L	34.952					
ClO	51	9926511.6		ug/L						
Cr	52	960.81933	7977868	ug/L	35.6					
Cr	53	830.98281	865749.9	ug/L	26.256					
Fe	54	11578.087	6610942	ug/L	455.167					
Mn	55	943.37794	12429477	ug/L	39.601					
Fe	56	11435.209	1.19E+08	ug/L	272.393					
Fe	57	11968.963	2841477	ug/L	158.582					
Co	59	921.5175	9295590	ug/L	29.128					
Ni	60	742.33822	1763514	ug/L	21.975					
Ni	62	749.09883	268860.6	ug/L	19.505					
Cu	63	837.71761	4230126	ug/L	30.91					
Zn	64	743.32088	1855030	ug/L	30.235					
Cu	65	782.2496	1914906	ug/L	25.076					
Zn	66	770.93305	1123680	ug/L	25.703					
Zn	68	759.35788	803274.7	ug/L	19.055					
Ge	72	138205.28		ug/L						
As	75	953.5629	1377888	ug/L	4.31					
Se	74	-116.9188	24055.55	mg/L	20.283					
ArCl	77	104656.35		ug/L						

Br	79	4748.287	ug/L			
Br	81	20882.501	ug/L			
Y	89	371347.35	ug/L			
Mo	95	1160.6786	4119943	ug/L	7.908	
Rh	103	367830.59	ug/L			
Ag	107	70.568816	811920.5	ug/L	1.368	
Ag	109	76.460051	845368.9	ug/L	2.891	
Cd	111	1016.4837	3040140	ug/L	14.384	
Cd	114	1034.0699	7158114	ug/L	12.039	
In	115	502878.48	ug/L			
Sb	121	1153.5231	11310558	ug/L	1.366	
Sb	123	1142.2308	8618921	ug/L	15.713	
Ba	137	1085.207	5270043	ug/L	7.386	
Ba	138	1089.9832	33792332	ug/L	12.945	
Tb	159	622816.19	ug/L			
Ho	165	592602.39	ug/L			
Hg	200	1.023318	2212.291	ug/L	0.007	
Hg	202	0.996084	2832.47	ug/L	0.031	
Tl	205	1034.7353	28366309	ug/L	22.382	
Pb	208	1014.1089	38550952	ug/L	22.482	
Bi	209	433474.77	ug/L			
Se	77	816.31988	103028.5	mg/L	5.358	
Se	78	780.81569	343647.9	mg/L	20.115	
Se	82	762.88422	149012.9	mg/L	6.211	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	88.468							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	78.488
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.878
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.477
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Tuesday August 30 2011 5:24:20
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.18832
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5807.188		ug/L						
Be	9	3.73247	1276.851	ug/L	5.076					
B	10	-0.120445	64.334	ug/L	0.033					
B	11	0.040249	303.675	ug/L	0.025					
C	12	373875.06		ug/L						
Na	23	61.215168	358690.6	ug/L	72.767					
Mg	24	58.050093	212607.2	ug/L	77.502					
Mg	25	60.471228	31922.55	ug/L	80.783					
Al	27	54.151134	319676.3	ug/L	72.665					
Si	28	57972.478		ug/L						
P	31	60.037613	24863.99	ug/L	76.982					
S	32	63630598		ug/L						
Cl	35	8377742.3		ug/L						
K	39	62.173091	1366246	ug/L	88.607					
Ca	44	-25.16211	42389.66	ug/L	72.76					
Sc	45	158458.09		ug/L						
Ti	47	0.093263	265.341	ug/L	0.196					
Ti	48	0.358679	-1012.04	ug/L	0.097					
V	51	5.096239	83780.33	ug/L	6.405					
ClO	51	86247.628		ug/L						
Cr	52	4.499377	45530.1	ug/L	5.842					
Cr	53	4.007894	14921.76	ug/L	4.966					
Fe	54	108.3656	110231.1	ug/L	110.633					
Mn	55	4.148215	60537.14	ug/L	5.696					
Fe	56	94.580178	3584229	ug/L	77.392					
Fe	57	82.337606	28746.78	ug/L	91.602					
Co	59	4.179298	43953.67	ug/L	5.499					
Ni	60	3.813137	9481.337	ug/L	5.027					
Ni	62	3.8574	1482.902	ug/L	5.05					
Cu	63	4.249586	22460.4	ug/L	5.484					
Zn	64	3.499184	10005.31	ug/L	4.499					
Cu	65	4.310344	11028.22	ug/L	5.468					
Zn	66	3.525986	5902.61	ug/L	4.475					
Zn	68	3.454956	4305.068	ug/L	4.428					
Ge	72	139083.87		ug/L						
As	75	4.930513	6980.579	ug/L	5.85					
Se	74	98.59413	12321.64	mg/L	10.432					
ArCl	77	1405.81		ug/L						

Br		79	1829.202	ug/L					
Br		81	17862.71	ug/L					
Y		89	373031.69	ug/L					
Mo		95	31.088607	110878.1	ug/L	32.687			
Rh		103	383400.96	ug/L					
Ag		107	1.204985	14677.03	ug/L	0.675			
Ag		109	1.200889	14028.46	ug/L	0.658			
Cd		111	3.964807	12117.79	ug/L	5.211			
Cd		114	3.848473	27579.17	ug/L	5.123			
In		115	513294.4	ug/L					
Sb		121	45.537608	456277.3	ug/L	25.979			
Sb		123	45.543267	351172.5	ug/L	26.131			
Ba		137	4.048979	20103.38	ug/L	5.315			
Ba		138	3.970036	125763.8	ug/L	5.147			
Tb		159	626610.08	ug/L					
Ho		165	595817.9	ug/L					
Hg		200	0.011922	45.001	ug/L	0.005			
Hg		202	0.007256	48.334	ug/L	0.006			
Tl		205	3.725056	102592.8	ug/L	4.571			
Pb		208	3.538633	135284.7	ug/L	4.553			
Bi		209	495540.39	ug/L					
Se		77	4.896019	1365.452	mg/L	6.141			
Se		78	1.887901	16252.37	mg/L	5.22			
Se		82	5.415134	1048.853	mg/L	5.651			

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	87.695							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	78.987
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	85.615
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	87.952
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Tuesday August 30 2011 5:31:16
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.18833
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5959.286		ug/L						
Be	9	63.374892	21489.92	ug/L	4.4					
B	10	68.616803	5190.533	ug/L	5.71					
B	11	71.137889	26345.38	ug/L	6.185					
C	12	367677.75		ug/L						
Na	23	102.29251	597223	ug/L	3.672					
Mg	24	108.75763	399182.9	ug/L	5.109					
Mg	25	105.95096	56044.57	ug/L	5.187					
Al	27	99.870766	588476.9	ug/L	3.682					
Si	28	202577.17		ug/L						
P	31	-0.462275	8074.576	ug/L	6.757					
S	32	64207937		ug/L						
Cl	35	8206447.3		ug/L						
K	39	1013.4643	10042754	ug/L	58.223					
Ca	44	17.719894	55729.22	ug/L	11.96					
Sc	45	167133.91		ug/L						
Ti	47	94.374556	70236.98	ug/L	7.525					
Ti	48	96.137771	735579.6	ug/L	7.617					
V	51	89.496122	953009.7	ug/L	8.004					
ClO	51	977213.45		ug/L						
Cr	52	91.206732	796205.7	ug/L	7.167					
Cr	53	85.488855	102958.8	ug/L	6.544					
Fe	54	127.66353	125655.5	ug/L	15.627					
Mn	55	87.270127	1203024	ug/L	6.221					
Fe	56	108.12209	3883111	ug/L	24.521					
Fe	57	107.2738	35690.55	ug/L	3.791					
Co	59	87.743588	923451.3	ug/L	5.982					
Ni	60	79.190963	196257.1	ug/L	5.909					
Ni	62	80.865003	30293.02	ug/L	7.032					
Cu	63	86.74292	457063.3	ug/L	6.283					
Zn	64	77.196266	201703	ug/L	7.076					
Cu	65	88.051985	224818.5	ug/L	7.109					
Zn	66	77.978744	119002.4	ug/L	7.131					
Zn	68	77.532099	85948.94	ug/L	7.229					
Ge	72	138848.3		ug/L						
As	75	106.08	153846	ug/L	0.337					
Se	74	20.729295	16590.08	mg/L	42.891					
ArCl	77	11607.522		ug/L						

Br	79	1736.518	ug/L				
Br	81	19159.027	ug/L				
Y	89	376074.46	ug/L				
Mo	95	108.45172	386843.7	ug/L	1.778		
Rh	103	394552.21	ug/L				
Ag	107	46.130229	554553.5	ug/L	1.441		
Ag	109	49.541133	572342.7	ug/L	2.703		
Cd	111	98.411199	307476.1	ug/L	0.716		
Cd	114	100.27077	725422.6	ug/L	0.766		
In	115	525290.04	ug/L				
Sb	121	107.74828	1104240	ug/L	2.056		
Sb	123	107.93651	851282.9	ug/L	0.477		
Ba	137	107.3554	544628	ug/L	0.753		
Ba	138	113.17967	3665521	ug/L	0.27		
Tb	159	638287.28	ug/L				
Ho	165	606196.3	ug/L				
Hg	200	1.005624	2224.295	ug/L	0.077		
Hg	202	0.991091	2883.819	ug/L	0.004		
Tl	205	109.95048	3084242	ug/L	0.223		
Pb	208	104.68614	4072281	ug/L	0.608		
Bi	209	518910.33	ug/L				
Se	77	85.033185	11405.82	mg/L	0.075		
Se	78	80.504631	49296.21	mg/L	3.112		
Se	82	80.481388	15712.29	mg/L	0.388		

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	62.747							
|	B	68.412							
|	B	70.925							
|	C								
|	Na	100.98							
|	Mg	107.681							
|	Mg	104.902							
|	Al	99.473							
|	Si								
|	P								
|	S								
|	Cl								
|	K	101.043							
|	Ca	17.562							
|>	Sc	92.496							
|	Ti	94.375							
|	Ti	96.138							
|	V	89.14							
|	ClO								
|	Cr	90.304							

	Cr	84.642
	Fe	126.902
	Mn	86.922
	Fe	107.477
	Fe	106.634
	Co	87.22
	Ni	78.562
	Ni	80.223
	Cu	86.83
	Zn	76.66
	Cu	88.14
	Zn	77.437
-	Zn	76.993
>	Ge	78.853
	As	106.72
	Se	20.688
	ArCl	
	Br	
	Br	
	Y	
-	Mo	108.127
-	Rh	
	Ag	45.764
	Ag	49.148
	Cd	97.922
	Cd	99.772
>	In	87.616
	Sb	107.426
	Sb	107.614
	Ba	106.609
-	Ba	112.393
-	Tb	
>	Ho	89.484
	Hg	100.562
	Hg	99.109
	Tl	109.95
	Pb	104.686
-	Bi	
	Se	84.863
	Se	80.344
	Se	80.321

Sample ID: QC Std 5
Sample Date/Time Tuesday August 30 2011 5:38:10
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.18834
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5823.198		ug/L						
Be	9	27.602996	9348.232	ug/L	1.443					
B	10	115.8463	8691.907	ug/L	7.722					
B	11	116.8155	42967.73	ug/L	8.706					
C	12	365082.78		ug/L						
Na	23	8.653116	62016.92	ug/L	1.09					
Mg	24	1.641031	6707.434	ug/L	1.476					
Mg	25	1.504906	903.484	ug/L	1.312					
Al	27	180.61578	1056537	ug/L	13.086					
Si	28	105207.58		ug/L						
P	31	3.786459	9165.534	ug/L	2.375					
S	32	64567964		ug/L						
Cl	35	7685983.9		ug/L						
K	39	-7.147675	778285.8	ug/L	0.194					
Ca	44	-78.6589	28958.95	ug/L	6.746					
Sc	45	166643.12		ug/L						
Ti	47	0.879409	878.062	ug/L	0.738					
Ti	48	1.213626	5717.026	ug/L	0.789					
V	51	22.654304	265856.8	ug/L	0.912					
ClO	51	270810.11		ug/L						
Cr	52	45.382866	399272.4	ug/L	1.644					
Cr	53	41.887744	56037.79	ug/L	2.687					
Fe	54	203.47382	169779.5	ug/L	1.529					
Mn	55	94.526594	1300394	ug/L	4.32					
Fe	56	181.95046	4650914	ug/L	28.556					
Fe	57	179.83834	53361.54	ug/L	10.009					
Co	59	21.407832	225117	ug/L	0.572					
Ni	60	164.18983	405893.4	ug/L	10.381					
Ni	62	164.69837	61554.01	ug/L	9.255					
Cu	63	68.561416	360259.8	ug/L	5.149					
Zn	64	80.29612	209351.8	ug/L	5.74					
Cu	65	68.913027	175598.6	ug/L	4.391					
Zn	66	82.57742	125725.7	ug/L	6.099					
Zn	68	82.544631	91258	ug/L	6.834					
Ge	72	139561.83		ug/L						
As	75	45.562372	66311.83	ug/L	1.107					
Se	74	12.021507	17136.82	mg/L	59.448					
ArCl	77	18258.84		ug/L						

Br	79	1690.175	ug/L			
Br	81	18457.239	ug/L			
Y	89	376631.23	ug/L			
Mo	95	49.193736	176351.9	ug/L	3.699	
Rh	103	390237.27	ug/L			
Ag	107	49.434813	587534.6	ug/L	3.266	
Ag	109	52.066288	594588.8	ug/L	0.866	
Cd	111	23.297791	71981.96	ug/L	0.402	
Cd	114	23.580973	168977.7	ug/L	0.481	
In	115	519286.1	ug/L			
Sb	121	61.309711	621534.7	ug/L	3.463	
Sb	123	60.378582	471061.3	ug/L	4.191	
Ba	137	155.94557	782087.6	ug/L	1.782	
Ba	138	160.89511	5151298	ug/L	1.522	
Tb	159	634287.91	ug/L			
Ho	165	605349.21	ug/L			
Hg	200	1.092441	2411.344	ug/L	0.023	
Hg	202	1.083698	3146.242	ug/L	0.009	
Tl	205	14.727153	412859.6	ug/L	0.508	
Pb	208	109.38253	4248974	ug/L	1.512	
Bi	209	521590.27	ug/L			
Se	77	136.23957	17821.45	mg/L	1.583	
Se	78	131.29487	70644.14	mg/L	1.172	
Se	82	130.65918	25514.02	mg/L	1.389	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	64.796							
|	B	72.404							
|	B	73.01							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	102.623							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.225							
|	Ti								
|	Ti								
|	V	90.981							
|	ClO								
|	Cr	92.242							

	Cr	85.138
	Fe	113.673
	Mn	89.176
	Fe	101.648
	Fe	100.468
	Co	91.879
	Ni	80.485
	Ni	80.734
	Cu	87.674
	Zn	76.472
	Cu	88.124
	Zn	78.645
|-	Zn	78.614
|>	Ge	79.258
	As	115.641
	Se	7.513
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	117.407
|-	Rh	
	Ag	98.28
	Ag	103.512
	Cd	100.422
	Cd	101.642
|>	In	86.614
	Sb	131.849
	Sb	129.846
	Ba	110.6
|-	Ba	114.11
|-	Tb	
|>	Ho	89.359
	Hg	109.244
	Hg	108.37
	Tl	103.712
	Pb	105.176
|-	Bi	
	Se	85.15
	Se	82.059
	Se	81.662

Sample ID: QC Std 6
Sample Date/Time Tuesday August 30 2011 5:45:05
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18835
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5956.618		ug/L						
Be	9	0.020803	23.334	ug/L	0.026					
B	10	0.415623	115.335	ug/L	0.149					
B	11	0.823892	651.03	ug/L	0.191					
C	12	364818.54		ug/L						
Na	23	9770.2981	59436923	ug/L	665.67					
Mg	24	9889.2069	38638037	ug/L	326.323					
Mg	25	10071.015	5663966	ug/L	601.355					
Al	27	10008.434	62327842	ug/L	633.545					
Si	28	55830.535		ug/L						
P	31	10625.702	3255401	ug/L	834.319					
S	32	64045763		ug/L						
Cl	35	7031919.8		ug/L						
K	39	9339.489	91066492	ug/L	851.807					
Ca	44	9432.2455	2831817	ug/L	930.727					
Sc	45	178019.16		ug/L						
Ti	47	20.65946	16569.26	ug/L	1.011					
Ti	48	6.867057	52524.61	ug/L	0.63					
V	51	-0.669753	28117.71	ug/L	0.141					
ClO	51	28932.606		ug/L						
Cr	52	0.011073	7648.396	ug/L	0.022					
Cr	53	-2.401556	9179.724	ug/L	0.562					
Fe	54	9867.5257	6268842	ug/L	722.644					
Mn	55	-0.093439	2673.773	ug/L	0.044					
Fe	56	9722.6108	1.12E+08	ug/L	503.688					
Fe	57	10246.74	2702145	ug/L	872.38					
Co	59	0.047952	660.031	ug/L	0.011					
Ni	60	0.292167	844.382	ug/L	0.049					
Ni	62	0.120905	98.002	ug/L	0.047					
Cu	63	0.242623	1547.148	ug/L	0.017					
Zn	64	0.447394	2288.168	ug/L	0.053					
Cu	65	0.177492	567.024	ug/L	0.023					
Zn	66	0.359871	1218.427	ug/L	0.067					
Zn	68	0.308855	934.391	ug/L	0.076					
Ge	72	140960.59		ug/L						
As	75	0.312126	285.604	ug/L	0.121					
Se	74	92.30421	12823.44	mg/L	31.214					
ArCl	77	688.366		ug/L						

Br	79	1840.538	ug/L				
Br	81	18448.886	ug/L				
Y	89	375537.18	ug/L				
Mo	95	2.356718	8574.52	ug/L	1.756		
Rh	103	375479.18	ug/L				
Ag	107	1.126962	13837.67	ug/L	0.423		
Ag	109	1.117985	13165.66	ug/L	0.438		
Cd	111	0.041004	151.336	ug/L	0.021		
Cd	114	-0.007675	362.011	ug/L	0.019		
In	115	516183.32	ug/L				
Sb	121	5.349623	54561.23	ug/L	1.419		
Sb	123	5.289412	41513.59	ug/L	1.469		
Ba	137	0.131863	709.371	ug/L	0.065		
Ba	138	0.128698	4343.726	ug/L	0.056		
Tb	159	629977.01	ug/L				
Ho	165	600032.8	ug/L				
Hg	200	0.021043	65.001	ug/L	0.006		
Hg	202	0.015255	71.334	ug/L	0.007		
Tl	205	0.051697	1798.209	ug/L	0.026		
Pb	208	0.115886	5090.72	ug/L	0.072		
Bi	209	493089.07	ug/L				
Se	77	-0.904639	638.689	mg/L	0.075		
Se	78	-3.093039	14158.8	mg/L	0.289		
Se	82	0.960008	178.588	mg/L	0.602		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	97.703							
|	Mg	98.892							
|	Mg	100.71							
|	Al	100.084							
|	Si								
|	P	106.257							
|	S								
|	Cl								
|	K	93.395							
|	Ca	94.322							
|>	Sc	98.52							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	98.675
	Mn	
	Fe	97.226
	Fe	102.467
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	80.052
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.097
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.574
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LCS
Sample Date/Time Tuesday August 30 2011 5:52:06
Autosampl Position: 97
Sample Descriptior 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LCS.18836
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6204.784		ug/L						
Be	9	68.014401	22524.76	ug/L	2.316					
B	10	-0.075335	69.334	ug/L	0.003					
B	11	0.115781	339.01	ug/L	0.072					
C	12	410552.74		ug/L						
Na	23	1209.9261	6759019	ug/L	40.161					
Mg	24	1208.7482	4326597	ug/L	13.309					
Mg	25	1143.1011	589280.4	ug/L	39.827					
Al	27	1238.7274	7073927	ug/L	48.369					
Si	28	53096.596		ug/L						
P	31	1143.3194	328448.8	ug/L	21.742					
S	32	64026302		ug/L						
Cl	35	8180604.2		ug/L						
K	39	1154.2147	11051055	ug/L	32.122					
Ca	44	1073.255	339784.5	ug/L	32.187					
Sc	45	162903.98		ug/L						
Ti	47	2.404151	1943.894	ug/L	0.029					
Ti	48	1.441182	7062.676	ug/L	0.068					
V	51	92.291226	959795.1	ug/L	2.006					
ClO	51	977346.78		ug/L						
Cr	52	92.741231	791020.6	ug/L	2.506					
Cr	53	87.076393	102229	ug/L	2.908					
Fe	54	1197.7673	740378.3	ug/L	28.343					
Mn	55	90.139137	1213521	ug/L	3.291					
Fe	56	1187.0254	14922824	ug/L	81.334					
Fe	57	1108.6119	276121.4	ug/L	37.284					
Co	59	89.388428	918769.2	ug/L	3.163					
Ni	60	81.625226	197621	ug/L	2.698					
Ni	62	81.607491	29877.65	ug/L	3.025					
Cu	63	87.919753	452502.7	ug/L	3.181					
Zn	64	81.276178	207514.8	ug/L	3.378					
Cu	65	88.443624	220625.2	ug/L	3.609					
Zn	66	82.975182	123758	ug/L	2.533					
Zn	68	82.523262	89390.9	ug/L	3.253					
Ge	72	145606.24		ug/L						
As	75	97.963072	148975.9	ug/L	0.008					
Se	74	80.337281	13934.88	mg/L	44.707					
ArCl	77	11764.727		ug/L						

Br		79	1932.225	ug/L					
Br		81	18941.902	ug/L					
Y		89	387759.9	ug/L					
Mo		95	106.35607	397762.9	ug/L	2.527			
Rh		103	392321.31	ug/L					
Ag		107	51.970669	626334.3	ug/L	2.375			
Ag		109	51.209969	593219.4	ug/L	0.557			
Cd		111	96.483842	302283.8	ug/L	0.437			
Cd		114	97.431056	706826.1	ug/L	0.554			
In		115	526738.71	ug/L					
Sb		121	103.49901	1063726	ug/L	1.35			
Sb		123	102.86708	813583.9	ug/L	0.468			
Ba		137	105.29139	535629.2	ug/L	0.361			
Ba		138	110.62467	3592496	ug/L	1.419			
Tb		159	643565.79	ug/L					
Ho		165	611667.46	ug/L					
Hg		200	0.106004	254.339	ug/L	0.002			
Hg		202	0.111265	352.01	ug/L	0.003			
Tl		205	106.41129	3011712	ug/L	1.425			
Pb		208	95.149697	3734619	ug/L	0.753			
Bi		209	466129.21	ug/L					
Se		77	85.72579	11492.59	mg/L	1.055			
Se		78	81.028758	49516.51	mg/L	0.52			
Se		82	82.008422	16010.59	mg/L	0.587			

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.155							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	82.691
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.858
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.292
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 5:58:39
Autosampl Position: 98
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18837
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6147.411		ug/L						
Be	9	0.011048	17.667	ug/L	0.003					
B	10	0.610352	118.669	ug/L	0.027					
B	11	0.776068	572.024	ug/L	0.124					
C	12	365957.79		ug/L						
Na	23	22.31046	135824.3	ug/L	0.076					
Mg	24	2.088687	7920.924	ug/L	0.144					
Mg	25	2.037376	1130.186	ug/L	0.566					
Al	27	43.375837	250253.3	ug/L	0.352					
Si	28	71382.943		ug/L						
P	31	-1.403332	7477.159	ug/L	2.257					
S	32	66274034		ug/L						
Cl	35	9940437.6		ug/L						
K	39	-2.349468	798584	ug/L	2.056					
Ca	44	-72.74931	29791.71	ug/L	3.661					
Sc	45	161978.98		ug/L						
Ti	47	0.013347	208.338	ug/L	0					
Ti	48	0.390041	-826.139	ug/L	0.006					
V	51	0.20142	34328.7	ug/L	0.112					
ClO	51	34967.807		ug/L						
Cr	52	0.105848	7760.562	ug/L	0.023					
Cr	53	0.168738	11052.83	ug/L	0.228					
Fe	54	30.301545	65447.75	ug/L	0.425					
Mn	55	-0.101822	2301.316	ug/L	0.014					
Fe	56	24.291038	2911214	ug/L	7.268					
Fe	57	11.948344	11688.68	ug/L	0.53					
Co	59	0.043941	557.357	ug/L	0.014					
Ni	60	0.135975	387.679	ug/L	0.004					
Ni	62	0.154388	100.668	ug/L	0.003					
Cu	63	0.255486	1471.468	ug/L	0.015					
Zn	64	8.735902	23044.75	ug/L	0.159					
Cu	65	0.254391	705.034	ug/L	0.013					
Zn	66	9.19403	14157.16	ug/L	0.156					
Zn	68	8.920322	10078.02	ug/L	0.237					
Ge	72	147515.23		ug/L						
As	75	0.206032	136.704	ug/L	0.022					
Se	74	64.396465	15074.38	mg/L	34.138					
ArCl	77	772.707		ug/L						

Br	79	1330.111	ug/L						
Br	81	19345.088	ug/L						
Y	89	392267.05	ug/L						
Mo	95	2.118733	8137.996	ug/L	0.82				
Rh	103	416477.9	ug/L						
Ag	107	0.985186	12636.63	ug/L	0.131				
Ag	109	0.961372	11832.2	ug/L	0.119				
Cd	111	0.053298	196.337	ug/L	0.014				
Cd	114	0.007583	488.352	ug/L	0.018				
In	115	536139.67	ug/L						
Sb	121	6.074098	64214.71	ug/L	1.43				
Sb	123	6.038175	49118.65	ug/L	1.489				
Ba	137	0.079792	467.35	ug/L	0.019				
Ba	138	0.07343	2685.767	ug/L	0.015				
Tb	159	660206.46	ug/L						
Ho	165	627195.56	ug/L						
Hg	200	0.007036	36.334	ug/L	0.002				
Hg	202	0.006043	47.334	ug/L	0				
Tl	205	0.105433	3448.704	ug/L	0.026				
Pb	208	0.125558	5744.103	ug/L	0.019				
Bi	209	467755.55	ug/L						
Se	77	0.042571	757.365	mg/L	0.151				
Se	78	-1.040011	15021.72	mg/L	0.289				
Se	82	0.566072	101.637	mg/L	0.266				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	89.643							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	83.775
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.426
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.584
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 6:05:12
Autosampl Position: 99
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18838
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6178.099		ug/L						
Be	9	0.009927	17.667	ug/L	0.006					
B	10	0.925319	144.669	ug/L	0.128					
B	11	0.847514	610.693	ug/L	0.105					
C	12	369867.06		ug/L						
Na	23	14.290215	93332.93	ug/L	0.181					
Mg	24	2.279631	8781.788	ug/L	0.041					
Mg	25	2.034493	1150.188	ug/L	0.223					
Al	27	39.450941	232888.3	ug/L	0.972					
Si	28	75173.778		ug/L						
P	31	2.069839	8641.639	ug/L	0.498					
S	32	68051462		ug/L						
Cl	35	10231498		ug/L						
K	39	-2.673166	813114.8	ug/L	2.147					
Ca	44	-72.31608	30561	ug/L	4.195					
Sc	45	165509.53		ug/L						
Ti	47	0.062596	249.673	ug/L	0.051					
Ti	48	0.396978	-789.746	ug/L	0.021					
V	51	0.268279	35769.93	ug/L	0.058					
ClO	51	36390.721		ug/L						
Cr	52	0.093691	7828.736	ug/L	0.004					
Cr	53	0.464414	11609.19	ug/L	0.255					
Fe	54	18.729335	60105.04	ug/L	3.16					
Mn	55	-0.111366	2218.626	ug/L	0.003					
Fe	56	11.892532	2844796	ug/L	6.845					
Fe	57	3.999719	9996.499	ug/L	1.054					
Co	59	0.047241	601.026	ug/L	0.005					
Ni	60	0.16565	469.017	ug/L	0					
Ni	62	0.187634	115.335	ug/L	0.02					
Cu	63	0.246681	1455.798	ug/L	0.007					
Zn	64	5.890522	16194.37	ug/L	0.165					
Cu	65	0.241338	686.699	ug/L	0.003					
Zn	66	5.990111	9634.2	ug/L	0.012					
Zn	68	5.778188	6859.989	ug/L	0.072					
Ge	72	147237.47		ug/L						
As	75	0.196802	121.476	ug/L	0.126					
Se	74	122.41326	11625.48	mg/L	100.204					
ArCl	77	752.705		ug/L						

Br	79	1262.434	ug/L						
Br	81	18877.436	ug/L						
Y	89	386944.86	ug/L						
Mo	95	1.003216	3892.542	ug/L	0.101				
Rh	103	414991.29	ug/L						
Ag	107	1.038322	13472.11	ug/L	0.024				
Ag	109	1.037066	12899.62	ug/L	0.046				
Cd	111	0.04986	188.004	ug/L	0.006				
Cd	114	0.004014	468.683	ug/L	0.001				
In	115	543360.38	ug/L						
Sb	121	2.75049	29917.47	ug/L	0.344				
Sb	123	2.750695	23016.34	ug/L	0.388				
Ba	137	0.083362	492.685	ug/L	0.004				
Ba	138	0.085702	3134.72	ug/L	0				
Tb	159	666454.93	ug/L						
Ho	165	631719.85	ug/L						
Hg	200	0.009258	41.667	ug/L	0				
Hg	202	0.004598	43.334	ug/L	0.001				
Tl	205	0.113396	3705.126	ug/L	0.006				
Pb	208	0.118807	5510.712	ug/L	0.002				
Bi	209	473717.1	ug/L						
Se	77	-0.021286	749.364	mg/L	0.03				
Se	78	-2.654187	14343.26	mg/L	1.082				
Se	82	0.318579	53.292	mg/L	0.424				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.597							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	83.617
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.63
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.252
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 6:11:44
Autosampl Position: 100
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18839
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5804.52		ug/L						
Be	9	-0.015464	9	ug/L	0.008					
B	10	-0.177936	62.001	ug/L	0.15					
B	11	-0.054356	280.007	ug/L	0.039					
C	12	347647		ug/L						
Na	23	3.659736	32715.39	ug/L	0.036					
Mg	24	0.185377	1150.188	ug/L	0.014					
Mg	25	0.20903	190.021	ug/L	0.006					
Al	27	1.422014	12129.31	ug/L	0.003					
Si	28	70677.397		ug/L						
P	31	-2.016004	7413.787	ug/L	2.232					
S	32	67623322		ug/L						
Cl	35	8389645.8		ug/L						
K	39	-8.643296	751457.6	ug/L	3.075					
Ca	44	-85.93407	26544.68	ug/L	3.799					
Sc	45	163859.4		ug/L						
Ti	47	-0.026971	180.67	ug/L	0.045					
Ti	48	0.296131	-1545.22	ug/L	0.011					
V	51	0.049916	33198.52	ug/L	0.071					
ClO	51	34074.749		ug/L						
Cr	52	0.023242	7147.245	ug/L	0.021					
Cr	53	-0.034021	10964.05	ug/L	0.321					
Fe	54	4.012419	50885.11	ug/L	3.342					
Mn	55	-0.186297	1183.422	ug/L	0.001					
Fe	56	2.723988	2719884	ug/L	10.382					
Fe	57	-3.021904	8187.839	ug/L	0.376					
Co	59	0.004955	158.003	ug/L	0.001					
Ni	60	0.015108	97.335	ug/L	0.005					
Ni	62	-0.004956	43.334	ug/L	0.016					
Cu	63	0.039355	367.678	ug/L	0.003					
Zn	64	0.29822	1727.745	ug/L	0.039					
Cu	65	0.02676	141.003	ug/L	0.005					
Zn	66	0.332141	1083.409	ug/L	0.017					
Zn	68	0.312878	866.383	ug/L	0.055					
Ge	72	144422.14		ug/L						
As	75	0.034367	-125.274	ug/L	0.045					
Se	74	69.419627	14465.68	mg/L	67.56					
ArCl	77	653.03		ug/L						

Br		79	1430.794	ug/L						
Br		81	19035.099	ug/L						
Y		89	387397.52	ug/L						
Mo		95	0.282719	1147.418	ug/L	0.047				
Rh		103	394723.43	ug/L						
Ag		107	0.364632	4927.718	ug/L	0.001				
Ag		109	0.356387	4609.214	ug/L	0.003				
Cd		111	0.003962	38.334	ug/L	0				
Cd		114	-0.044722	100.668	ug/L	0.001				
In		115	524724.92	ug/L						
Sb		121	1.19094	12949.38	ug/L	0.081				
Sb		123	1.188514	9939.255	ug/L	0.093				
Ba		137	0.013251	120.335	ug/L	0.003				
Ba		138	0.008928	543.552	ug/L	0				
Tb		159	645103.09	ug/L						
Ho		165	616400.71	ug/L						
Hg		200	0.000286	20.667	ug/L	0.001				
Hg		202	-0.002327	22	ug/L	0				
Tl		205	0.008285	618.028	ug/L	0.004				
Pb		208	0.007396	971.364	ug/L	0.002				
Bi		209	476967.37	ug/L						
Se		77	-0.957852	632.022	mg/L	0.512				
Se		78	-1.92091	14651.47	mg/L	1.138				
Se		82	0.058821	2.551	mg/L	0.002				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	90.684								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	82.018
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.522
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.99
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102664.01
Sample Date/Time Tuesday August 30 2011 6:18:17
Autosampl Position: 101
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102664.01.18840
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5944.61		ug/L						
Be	9	-0.01387	9.667	ug/L	0.002					
B	10	3.011466	299.008	ug/L	0.065					
B	11	3.032694	1404.456	ug/L	0.193					
C	12	809719.94		ug/L						
Na	23	440.89127	2510257	ug/L	9.595					
Mg	24	212.37815	772357.4	ug/L	5.366					
Mg	25	210.87055	110498.5	ug/L	7.109					
Al	27	29.732263	176331.6	ug/L	1.742					
Si	28	431313.51		ug/L						
P	31	-4.268887	6839.938	ug/L	1.848					
S	32	68044975		ug/L						
Cl	35	7740384.9		ug/L						
K	39	56.222372	1343136	ug/L	1.938					
Ca	44	10520.753	2940036	ug/L	189.425					
Sc	45	165454.17		ug/L						
Ti	47	-0.020834	187.337	ug/L	0.024					
Ti	48	8.329275	59752.95	ug/L	0.379					
V	51	-0.079267	32206.61	ug/L	0.064					
ClO	51	32996.445		ug/L						
Cr	52	0.044456	7400.355	ug/L	0.017					
Cr	53	-0.658984	10410.06	ug/L	0.098					
Fe	54	0.420317	49258.33	ug/L	5.48					
Mn	55	9.44574	132572.8	ug/L	0.144					
Fe	56	5.549494	2777591	ug/L	3.597					
Fe	57	26.447099	15471.38	ug/L	4.633					
Co	59	0.146282	1636.497	ug/L	0.002					
Ni	60	0.542702	1395.454	ug/L	0.024					
Ni	62	0.338661	171.67	ug/L	0.057					
Cu	63	0.161036	1007.733	ug/L	0.002					
Zn	64	6.93827	18894.63	ug/L	0.158					
Cu	65	0.162467	486.351	ug/L	0.007					
Zn	66	7.144594	11367.22	ug/L	0.215					
Zn	68	7.6383	8891.101	ug/L	0.212					
Ge	72	144698.63		ug/L						
As	75	0.083198	-51.888	ug/L	0.019					
Se	74	75.100521	14131.01	mg/L	73.775					
ArCl	77	637.362		ug/L						

Br	79	1558.482	ug/L				
Br	81	19037.77	ug/L				
Y	89	382438.83	ug/L				
Mo	95	0.195666	827.046	ug/L	0.033		
Rh	103	390199.02	ug/L				
Ag	107	0.323234	4535.844	ug/L	0.01		
Ag	109	0.328993	4395.106	ug/L	0.008		
Cd	111	0.012132	65.334	ug/L	0		
Cd	114	-0.036149	166.337	ug/L	0.003		
In	115	537120.13	ug/L				
Sb	121	1.355833	14970.14	ug/L	0.062		
Sb	123	1.331093	11312.47	ug/L	0.073		
Ba	137	34.423175	178602.2	ug/L	0.459		
Ba	138	34.453608	1141143	ug/L	0.317		
Tb	159	653212.65	ug/L				
Ho	165	625092.96	ug/L				
Hg	200	-0.000582	19	ug/L	0.002		
Hg	202	-0.003328	19.334	ug/L	0		
Tl	205	0.002809	467.683	ug/L	0.002		
Pb	208	144.73058	5805113	ug/L	0.806		
Bi	209	481178.75	ug/L				
Se	77	-1.106851	613.354	mg/L	0.06		
Se	78	-2.410797	14445.56	mg/L	0.177		
Se	82	0.232616	36.5	mg/L	0.117		

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.567							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	82.175
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.589
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.273
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102664.02
Sample Date/Time Tuesday August 30 2011 6:24:49
Autosampl Position: 102
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102664.02.18841
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5841.878		ug/L						
Be	9	-0.019612	7.667	ug/L	0					
B	10	2.190516	236.339	ug/L	0.356					
B	11	2.574651	1224.428	ug/L	0.14					
C	12	808392.39		ug/L						
Na	23	432.93941	2436261	ug/L	22.643					
Mg	24	234.56072	842639.1	ug/L	15.968					
Mg	25	223.74899	115909.1	ug/L	10.193					
Al	27	10.979529	66868.35	ug/L	0.675					
Si	28	446066.14		ug/L						
P	31	-4.888624	6586.383	ug/L	0.331					
S	32	67723870		ug/L						
Cl	35	7926820.3		ug/L						
K	39	50.945348	1280406	ug/L	6.797					
Ca	44	15795.969	4337841	ug/L	734.368					
Sc	45	163689.4		ug/L						
Ti	47	-0.025895	182.67	ug/L	0.037					
Ti	48	10.914261	78645.6	ug/L	0.249					
V	51	-0.038301	32258.13	ug/L	0.105					
ClO	51	32988.752		ug/L						
Cr	52	0.067149	7502.612	ug/L	0.06					
Cr	53	-0.469814	10492.49	ug/L	0.262					
Fe	54	0.476673	48756.07	ug/L	3.838					
Mn	55	8.258275	114988.8	ug/L	0.466					
Fe	56	6.07946	2750976	ug/L	10.796					
Fe	57	36.485507	17725.7	ug/L	4.835					
Co	59	0.135792	1507.473	ug/L	0.01					
Ni	60	0.629397	1590.822	ug/L	0.025					
Ni	62	0.355853	175.337	ug/L	0.047					
Cu	63	0.217599	1288.104	ug/L	0.012					
Zn	64	6.026905	16350.78	ug/L	0.276					
Cu	65	0.22626	640.362	ug/L	0.015					
Zn	66	6.247661	9899.486	ug/L	0.314					
Zn	68	6.772833	7849.132	ug/L	0.454					
Ge	72	140899.83		ug/L						
As	75	0.196169	115.324	ug/L	0.046					
Se	74	51.400688	15070.25	mg/L	70.282					
ArCl	77	657.364		ug/L						

Br		79	1607.492	ug/L						
Br		81	18790.924	ug/L						
Y		89	384405.94	ug/L						
Mo		95	0.16676	700.701	ug/L	0.022				
Rh		103	390629.38	ug/L						
Ag		107	0.299009	4148.323	ug/L	0.027				
Ag		109	0.294601	3906.212	ug/L	0.012				
Cd		111	0.008948	54.001	ug/L	0.001				
Cd		114	-0.037031	156.67	ug/L	0.001				
In		115	526124.65	ug/L						
Sb		121	2.647567	27911.06	ug/L	0.035				
Sb		123	2.644521	21448.85	ug/L	0.013				
Ba		137	33.646876	170983.7	ug/L	0.391				
Ba		138	33.552328	1088337	ug/L	0.657				
Tb		159	647243.61	ug/L						
Ho		165	624553.26	ug/L						
Hg		200	-0.00102	18	ug/L	0.002				
Hg		202	-0.004326	16.334	ug/L	0.001				
Tl		205	0.001765	437.682	ug/L	0.002				
Pb		208	585.97512	23479547	ug/L	7.789				
Bi		209	476962.74	ug/L						
Se		77	-0.627927	673.358	mg/L	0.196				
Se		78	-2.189536	14538.56	mg/L	0.112				
Se		82	0.346364	58.719	mg/L	0.029				
QC	Calculated Values									
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	90.59								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	80.018
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.755
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.194
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102664.03
Sample Date/Time Tuesday August 30 2011 6:31:22
Autosampl Position: 103
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102664.03.18842
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5820.533		ug/L						
Be	9	-0.02341	6.333	ug/L	0.008					
B	10	1.564994	190.337	ug/L	0.016					
B	11	1.709283	914.722	ug/L	0.221					
C	12	808184.99		ug/L						
Na	23	465.97027	2629788	ug/L	17.281					
Mg	24	246.79114	890065.1	ug/L	7.204					
Mg	25	240.29782	124755.9	ug/L	15.265					
Al	27	1.371377	11742.33	ug/L	0.653					
Si	28	213673.04		ug/L						
P	31	-3.848505	6876.622	ug/L	2.343					
S	32	68622314		ug/L						
Cl	35	7550816.9		ug/L						
K	39	38.098746	1169005	ug/L	7.555					
Ca	44	19633.415	5396051	ug/L	756.121					
Sc	45	164180.14		ug/L						
Ti	47	-0.037728	173.67	ug/L	0.007					
Ti	48	14.511806	105645.2	ug/L	2.327					
V	51	-0.075389	31965.43	ug/L	0.135					
ClO	51	32910.459		ug/L						
Cr	52	0.105689	7853.597	ug/L	0.053					
Cr	53	-0.550193	10429.75	ug/L	0.505					
Fe	54	0.197706	48732.79	ug/L	3.738					
Mn	55	2.111239	32243.08	ug/L	0.109					
Fe	56	19.792913	2898269	ug/L	20.824					
Fe	57	56.597559	22573.77	ug/L	16.61					
Co	59	0.027275	390.346	ug/L	0.001					
Ni	60	0.415506	1073.741	ug/L	0.018					
Ni	62	0.067616	69.668	ug/L	0.034					
Cu	63	0.190414	1151.418	ug/L	0.007					
Zn	64	3.995472	11191.13	ug/L	0.252					
Cu	65	0.199894	575.691	ug/L	0.017					
Zn	66	4.086435	6697.867	ug/L	0.185					
Zn	68	4.343209	5234.226	ug/L	0.377					
Ge	72	140620.74		ug/L						
As	75	0.09645	-32.284	ug/L	0.117					
Se	74	81.191728	13411.52	mg/L	30.382					
ArCl	77	657.697		ug/L						

Br	79	1476.135	ug/L						
Br	81	18469.594	ug/L						
Y	89	377618.26	ug/L						
Mo	95	0.167433	700.367	ug/L	0.013				
Rh	103	390520.91	ug/L						
Ag	107	0.303138	4155.993	ug/L	0.019				
Ag	109	0.3031	3962.571	ug/L	0.017				
Cd	111	0.001371	30	ug/L	0.001				
Cd	114	-0.047388	80.668	ug/L	0				
In	115	520379.43	ug/L						
Sb	121	0.732976	8185.099	ug/L	0.01				
Sb	123	0.721609	6201.864	ug/L	0.008				
Ba	137	21.693489	109068.5	ug/L	0.012				
Ba	138	21.517446	690575.7	ug/L	0.054				
Tb	159	656734.77	ug/L						
Ho	165	616510.1	ug/L						
Hg	200	-0.001503	16.667	ug/L	0				
Hg	202	-0.002782	20.667	ug/L	0				
Tl	205	-0.000563	365.344	ug/L	0.001				
Pb	208	0.284361	11925.49	ug/L	0.009				
Bi	209	480708.94	ug/L						
Se	77	-0.617284	674.692	mg/L	0.391				
Se	78	-2.639752	14349.32	mg/L	0				
Se	82	0.148892	20.145	mg/L	0.06				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.861							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	79.859
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.797
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.006
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102664.04
Sample Date/Time Tuesday August 30 2011 6:37:56
Autosampl Position: 104
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102664.04.18843
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5655.092		ug/L						
Be	9	-0.025595	5.667	ug/L	0.005					
B	10	0.645286	123.002	ug/L	0.181					
B	11	0.911336	630.362	ug/L	0.179					
C	12	784769.47		ug/L						
Na	23	295.86615	1681478	ug/L	15.644					
Mg	24	2.703184	10216.84	ug/L	0.647					
Mg	25	2.176132	1210.203	ug/L	0.561					
Al	27	19.437799	115955.1	ug/L	2.721					
Si	28	79150.975		ug/L						
P	31	-2.332697	7323.699	ug/L	4.413					
S	32	69903489		ug/L						
Cl	35	7631269.8		ug/L						
K	39	26.632235	1071758	ug/L	7.425					
Ca	44	22310.861	6151527	ug/L	1225.365					
Sc	45	164953.59		ug/L						
Ti	47	-0.02431	183.67	ug/L	0.038					
Ti	48	17.808505	131563.6	ug/L	1.096					
V	51	-0.028645	32589.3	ug/L	0.153					
ClO	51	33468.175		ug/L						
Cr	52	0.106075	7895.221	ug/L	0.051					
Cr	53	-0.324732	10720.43	ug/L	0.478					
Fe	54	0.505881	49149.13	ug/L	3.651					
Mn	55	-0.188666	1158.085	ug/L	0.003					
Fe	56	20.922188	2925792	ug/L	15.705					
Fe	57	56.536673	22764.08	ug/L	4.088					
Co	59	0.025954	378.012	ug/L	0					
Ni	60	0.482146	1242.097	ug/L	0.022					
Ni	62	0.068884	71.001	ug/L	0.013					
Cu	63	0.541236	2980.852	ug/L	0.041					
Zn	64	1.235161	4146.812	ug/L	0.103					
Cu	65	0.554696	1473.467	ug/L	0.04					
Zn	66	1.22234	2426.015	ug/L	0.094					
Zn	68	1.444194	2104.598	ug/L	0.108					
Ge	72	139778.45		ug/L						
As	75	0.056752	-88.351	ug/L	0.026					
Se	74	72.329098	13834.34	mg/L	11.88					
ArCl	77	657.03		ug/L						

Br	79	1528.144	ug/L						
Br	81	18455.232	ug/L						
Y	89	375977.83	ug/L						
Mo	95	0.16037	671.365	ug/L	0.007				
Rh	103	389915.5	ug/L						
Ag	107	0.259128	3677.447	ug/L	0.008				
Ag	109	0.256196	3469.03	ug/L	0.004				
Cd	111	0.000094	26.334	ug/L	0.003				
Cd	114	-0.048917	70.668	ug/L	0.002				
In	115	526968.98	ug/L						
Sb	121	0.5407	6313.923	ug/L	0.02				
Sb	123	0.530319	4768.197	ug/L	0.012				
Ba	137	11.61928	59181.94	ug/L	0.042				
Ba	138	11.836137	384773.6	ug/L	0.11				
Tb	159	666207.83	ug/L						
Ho	165	633439.25	ug/L						
Hg	200	-0.001114	18	ug/L	0.003				
Hg	202	-0.004193	17	ug/L	0.001				
Tl	205	-0.001246	355.344	ug/L	0.001				
Pb	208	1.018389	42084.25	ug/L	0.013				
Bi	209	484180.39	ug/L						
Se	77	-1.06428	618.688	mg/L	0.301				
Se	78	-2.657085	14342.04	mg/L	0.48				
Se	82	0.066181	3.988	mg/L	0.047				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.29							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	79.381
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.896
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.505
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102604.01
Sample Date/Time Tuesday August 30 2011 6:44:28
Autosampl Position: 105
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102604.01.18844
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5787.175		ug/L						
Be	9	-0.023141	6.667	ug/L	0.009					
B	10	124.764	9556.116	ug/L	5.095					
B	11	126.62621	47571.63	ug/L	4.438					
C	12	661100.2		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	3129.3903	11675819	ug/L	142.803					
Mg	25	2871.016	1543715	ug/L	114.985					
Al	27	201.98236	1207254	ug/L	4.228					
Si	28	10737202		ug/L						
P	31	552.54554	169784.3	ug/L	23.282					
S	32	74570857		ug/L						
Cl	35	11533727		ug/L						
K	39	15092.284	1.4E+08	ug/L	548.872					
Ca	44	14087.248	4023340	ug/L	618.556					
Sc	45	169954.25		ug/L						
Ti	47	1.839143	1600.49	ug/L	0.016					
Ti	48	11.978582	90033.39	ug/L	0.151					
V	51	0.429343	38395.97	ug/L	0.13					
ClO	51	39644.002		ug/L						
Cr	52	0.122986	8292.151	ug/L	0.024					
Cr	53	0.495502	11946.96	ug/L	0.458					
Fe	54	23.204175	64310.78	ug/L	5.934					
Mn	55	5.330894	78495.6	ug/L	0.155					
Fe	56	17.511745	2981323	ug/L	5.536					
Fe	57	59.173391	24117.69	ug/L	5.21					
Co	59	0.231723	2593.729	ug/L	0.015					
Ni	60	2.242874	5723.859	ug/L	0.115					
Ni	62	2.560588	1021.734	ug/L	0.266					
Cu	63	3.049858	16542.54	ug/L	0.089					
Zn	64	37.113585	99389.07	ug/L	1.715					
Cu	65	1.639973	4341.747	ug/L	0.091					
Zn	66	37.99016	59417.13	ug/L	1.886					
Zn	68	36.861883	41950.66	ug/L	1.773					
Ge	72	138783.36		ug/L						
As	75	1.762012	2386.41	ug/L	0.061					
Se	74	68.900225	13931.41	mg/L	14.487					
ArCl	77	1052.071		ug/L						

Br	79	17644.955	ug/L			
Br	81	35603.955	ug/L			
Y	89	369628.72	ug/L			
Mo	95	0.4343	1642.832	ug/L	0.001	
Rh	103	368753.65	ug/L			
Ag	107	0.368737	4778.303	ug/L	0.001	
Ag	109	0.375976	4642.231	ug/L	0.001	
Cd	111	0.028802	111.335	ug/L	0.006	
Cd	114	-0.015814	297.008	ug/L	0.001	
In	115	503766.68	ug/L			
Sb	121	0.637883	6990.759	ug/L	0.019	
Sb	123	0.640782	5392.927	ug/L	0.003	
Ba	137	3.939345	19216.15	ug/L	0.021	
Ba	138	3.996815	124369.4	ug/L	0.035	
Tb	159	639242.48	ug/L			
Ho	165	610077.26	ug/L			
Hg	200	0.000541	21	ug/L	0.001	
Hg	202	-0.001671	23.667	ug/L	0.001	
Tl	205	0.000806	400.013	ug/L	0.001	
Pb	208	0.206375	8748.749	ug/L	0.006	
Bi	209	432642.7	ug/L			
Se	77	2.554337	1072.063	mg/L	0.542	
Se	78	-2.088937	14580.84	mg/L	0.034	
Se	82	0.379852	65.261	mg/L	0.066	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.057							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	78.816
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.026
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.057
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102642.01
Sample Date/Time Tuesday August 30 2011 6:51:01
Autosampl Position: 106
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102642.01.18845
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5727.137		ug/L						
Be	9	-0.013062	10	ug/L	0.013					
B	10	100.52618	7504.171	ug/L	1.156					
B	11	103.57336	37896.88	ug/L	1.527					
C	12	670172.96		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	2965.8103	10763268	ug/L	60.514					
Mg	25	2777.1334	1452227	ug/L	61.257					
Al	27	279.3499	1621588	ug/L	6.028					
Si	28	10295113		ug/L						
P	31	995.05998	290948.1	ug/L	17.996					
S	32	70364063		ug/L						
Cl	35	11164615		ug/L						
K	39	14989.705	1.36E+08	ug/L	479.466					
Ca	44	13909.104	3863877	ug/L	414.522					
Sc	45	165186.54		ug/L						
Ti	47	2.821652	2276.641	ug/L	0.2					
Ti	48	11.884085	86770.15	ug/L	0.391					
V	51	0.596298	39043.06	ug/L	0.055					
ClO	51	40205.114		ug/L						
Cr	52	0.188965	8626.48	ug/L	0.031					
Cr	53	1.125599	12289.76	ug/L	0.234					
Fe	54	29.689553	66335.49	ug/L	6.245					
Mn	55	6.273827	89153.58	ug/L	0.163					
Fe	56	20.833421	2932265	ug/L	10.22					
Fe	57	61.908494	24124.38	ug/L	4.29					
Co	59	0.257558	2792.457	ug/L	0.01					
Ni	60	2.207085	5480.039	ug/L	0.053					
Ni	62	2.558015	993.064	ug/L	0.247					
Cu	63	3.379146	17800.59	ug/L	0.104					
Zn	64	35.426982	92325.49	ug/L	0.729					
Cu	65	2.004742	5145.174	ug/L	0.089					
Zn	66	35.99557	54787.14	ug/L	1.115					
Zn	68	34.787309	38536.22	ug/L	0.951					
Ge	72	137322.73		ug/L						
As	75	1.976406	2669.652	ug/L	0.084					
Se	74	79.173354	13223.86	mg/L	30.253					
ArCl	77	1048.071		ug/L						

Br	79	16372.561	ug/L			
Br	81	34244.051	ug/L			
Y	89	372655.22	ug/L			
Mo	95	0.56304	2079.592	ug/L	0.001	
Rh	103	365612.47	ug/L			
Ag	107	0.321513	4189.34	ug/L	0.002	
Ag	109	0.320149	3982.246	ug/L	0.011	
Cd	111	0.018089	78.334	ug/L	0.003	
Cd	114	-0.022298	249.339	ug/L	0.002	
In	115	498408.15	ug/L			
Sb	121	0.605028	6594.791	ug/L	0.022	
Sb	123	0.60329	5053.608	ug/L	0.035	
Ba	137	3.566807	17217.46	ug/L	0.022	
Ba	138	3.591183	110581.4	ug/L	0.047	
Tb	159	643705.47	ug/L			
Ho	165	615400.2	ug/L			
Hg	200	-0.002537	14.333	ug/L	0.001	
Hg	202	-0.002534	21.334	ug/L	0.002	
Tl	205	-0.001324	342.677	ug/L	0.002	
Pb	208	0.216805	9238.283	ug/L	0.003	
Bi	209	432553.38	ug/L			
Se	77	2.862991	1110.735	mg/L	0.437	
Se	78	-3.539757	13971.04	mg/L	0.454	
Se	82	0.452164	79.386	mg/L	0.022	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.418							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	77.986
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.132
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.843
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Tuesday August 30 2011 6:57:28
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.18846
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5398.936		ug/L						
Be	9	0.011636	18	ug/L	0.001					
B	10	1.210976	165.67	ug/L	0.907					
B	11	1.49744	849.721	ug/L	1.109					
C	12	344651.06		ug/L						
Na	23	1268.5368	7440196	ug/L	1614.084					
Mg	24	21.033463	79311.02	ug/L	25.454					
Mg	25	21.461695	11670.89	ug/L	25.953					
Al	27	2.691602	19897.98	ug/L	2.648					
Si	28	126715.18		ug/L						
P	31	10.40357	11001.76	ug/L	14.681					
S	32	66783261		ug/L						
Cl	35	8177001.9		ug/L						
K	39	104.54805	1800513	ug/L	143.293					
Ca	44	0.317637	50911.98	ug/L	111.22					
Sc	45	162925.92		ug/L						
Ti	47	-0.02026	186.004	ug/L	0.03					
Ti	48	0.445581	-368.513	ug/L	0.156					
V	51	0.18244	34278.86	ug/L	0.199					
ClO	51	35483.476		ug/L						
Cr	52	0.082735	7590.596	ug/L	0.07					
Cr	53	0.220407	11148.95	ug/L	0.652					
Fe	54	12.013129	55547.74	ug/L	12.865					
Mn	55	-0.095435	2426.038	ug/L	0.055					
Fe	56	-67.10156	1979306	ug/L	14.489					
Fe	57	-6.109575	7397.089	ug/L	0.102					
Co	59	0.04475	565.357	ug/L	0.003					
Ni	60	0.089183	278.341	ug/L	0.02					
Ni	62	0.092482	78.334	ug/L	0.02					
Cu	63	0.134723	864.051	ug/L	0.035					
Zn	64	0.28189	1703.032	ug/L	0.251					
Cu	65	0.104616	336.01	ug/L	0.013					
Zn	66	0.266043	995.404	ug/L	0.276					
Zn	68	0.195789	745.707	ug/L	0.222					
Ge	72	143623.1		ug/L						
As	75	0.135664	26.763	ug/L	0.064					
Se	74	77.110666	13910.44	mg/L	78.466					
ArCl	77	721.036		ug/L						

Br	79	1931.558	ug/L						
Br	81	18526.051	ug/L						
Y	89	375305.07	ug/L						
Mo	95	0.521983	2021.247	ug/L	0.079				
Rh	103	391184.71	ug/L						
Ag	107	0.350355	4790.319	ug/L	0.046				
Ag	109	0.357492	4654.913	ug/L	0.043				
Cd	111	0.049395	181.337	ug/L	0.002				
Cd	114	0.003002	448.349	ug/L	0.003				
In	115	528198.56	ug/L						
Sb	121	0.5526	6451.691	ug/L	0.034				
Sb	123	0.558395	5003.003	ug/L	0.052				
Ba	137	0.083616	480.685	ug/L	0.022				
Ba	138	0.080752	2889.331	ug/L	0.026				
Tb	159	660901.85	ug/L						
Ho	165	633941.16	ug/L						
Hg	200	-0.001128	18	ug/L	0				
Hg	202	-0.003312	19.667	ug/L	0.001				
Tl	205	0.081612	2784.789	ug/L	0.007				
Pb	208	0.077635	3853.696	ug/L	0.009				
Bi	209	535152.1	ug/L						
Se	77	-0.468285	693.36	mg/L	0.211				
Se	78	-1.570536	14798.73	mg/L	0.894				
Se	82	0.204352	30.979	mg/L	0.033				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.167							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	81.564
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.101
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.58
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Tuesday August 30 2011 7:04:24
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.18847
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5400.272		ug/L						
Be	9	57.280719	19774.01	ug/L	5.396					
B	10	62.454164	4815.99	ug/L	6.683					
B	11	64.088013	24192.06	ug/L	6.954					
C	12	342053.85		ug/L						
Na	23	128.08226	767044.8	ug/L	21.404					
Mg	24	95.105003	355706.2	ug/L	5.731					
Mg	25	93.453938	50347.45	ug/L	6.761					
Al	27	92.346973	552909.4	ug/L	10.692					
Si	28	200554.26		ug/L						
P	31	0.095085	8338.029	ug/L	1.22					
S	32	64782033		ug/L						
Cl	35	7976470.2		ug/L						
K	39	956.36101	9695213	ug/L	85.842					
Ca	44	6.825487	53733.84	ug/L	11.358					
Sc	45	170481.1		ug/L						
Ti	47	88.947772	67415.05	ug/L	8.728					
Ti	48	91.360768	711173.8	ug/L	9.853					
V	51	86.24897	936425	ug/L	9.146					
ClO	51	953893.42		ug/L						
Cr	52	88.04674	783043.8	ug/L	8.171					
Cr	53	83.137853	102270.1	ug/L	8.199					
Fe	54	105.18719	114167.9	ug/L	0.783					
Mn	55	85.996155	1206919	ug/L	8.109					
Fe	56	81.700506	3672061	ug/L	25.118					
Fe	57	88.630887	31474.2	ug/L	14.403					
Co	59	85.837845	919721.5	ug/L	7.845					
Ni	60	79.722925	201198.2	ug/L	7.284					
Ni	62	79.87437	30471.96	ug/L	8.041					
Cu	63	87.274945	467999.2	ug/L	8.911					
Zn	64	76.41882	203294.1	ug/L	8.384					
Cu	65	86.266856	224259.9	ug/L	8.608					
Zn	66	77.077502	119746.4	ug/L	8.642					
Zn	68	76.129423	85957.99	ug/L	7.978					
Ge	72	141163.63		ug/L						
As	75	106.37951	156847.1	ug/L	0.804					
Se	74	0.780328	17978.06	mg/L	7.682					
ArCl	77	11489.04		ug/L						

Br	79	1639.164	ug/L			
Br	81	18033.394	ug/L			
Y	89	378131.96	ug/L			
Mo	95	102.6215	372032.3	ug/L	5.475	
Rh	103	387601.75	ug/L			
Ag	107	46.838163	564483.6	ug/L	2.228	
Ag	109	47.23916	547081.5	ug/L	2.102	
Cd	111	98.386115	308009.6	ug/L	1.836	
Cd	114	99.047101	718015	ug/L	1.613	
In	115	526406.91	ug/L			
Sb	121	95.944343	984952.1	ug/L	6.475	
Sb	123	95.765549	756507.9	ug/L	7.494	
Ba	137	109.77172	557991.8	ug/L	2.094	
Ba	138	113.55405	3684510	ug/L	3.839	
Tb	159	663363.24	ug/L			
Ho	165	632218.1	ug/L			
Hg	200	0.994451	2294.312	ug/L	0.017	
Hg	202	0.978632	2970.182	ug/L	0.008	
Tl	205	109.02407	3189541	ug/L	0.583	
Pb	208	103.94093	4216850	ug/L	0.224	
Bi	209	555169.1	ug/L			
Se	77	87.803631	11752.93	mg/L	0.256	
Se	78	80.365646	49237.79	mg/L	1.005	
Se	82	80.562714	15728.18	mg/L	2.279	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	56.714							
|	B	62.267							
|	B	63.896							
|	C								
|	Na	126.439							
|	Mg	94.163							
|	Mg	92.529							
|	Al	91.979							
|	Si								
|	P								
|	S								
|	Cl								
|	K	95.35							
|	Ca	6.765							
|>	Sc	94.349							
|	Ti	88.948							
|	Ti	91.361							
|	V	85.905							
|	ClO								
|	Cr	87.175							

|	Cr	82.315
|	Fe	104.56
|	Mn	85.654
|	Fe	81.213
|	Fe	88.102
|	Co	85.326
|	Ni	79.09
|	Ni	79.24
|	Cu	87.362
|	Zn	75.888
|	Cu	86.353
|	Zn	76.542
|-	Zn	75.6
|>	Ge	80.168
|	As	107.022
|	Se	0.779
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	102.315
|-	Rh	
|	Ag	46.466
|	Ag	46.864
|	Cd	97.897
|	Cd	98.554
|>	In	87.802
|	Sb	95.657
|	Sb	95.479
|	Ba	109.009
|-	Ba	112.765
|-	Tb	
|>	Ho	93.325
|	Hg	99.445
|	Hg	97.863
|	Tl	109.024
|	Pb	103.941
|-	Bi	
	Se	87.628
	Se	80.205
	Se	80.402

Sample ID: QC Std 5
Sample Date/Time Tuesday August 30 2011 7:11:18
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.18848
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5641.75		ug/L						
Be	9	24.902248	8625.51	ug/L	2.323					
B	10	101.1978	7774.734	ug/L	10.475					
B	11	104.91984	39527.14	ug/L	9.917					
C	12	343122.62		ug/L						
Na	23	19.644394	130583.7	ug/L	10.163					
Mg	24	0.84839	3787.988	ug/L	0.534					
Mg	25	0.830454	550.075	ug/L	0.592					
Al	27	162.93581	977067.2	ug/L	10.887					
Si	28	102836.28		ug/L						
P	31	-1.117005	8017.733	ug/L	2.535					
S	32	65446947		ug/L						
Cl	35	7497460.2		ug/L						
K	39	-10.94008	760567.2	ug/L	4.748					
Ca	44	-80.89917	29066.03	ug/L	4.39					
Sc	45	170848.65		ug/L						
Ti	47	1.126494	1095.757	ug/L	0.774					
Ti	48	1.478964	8032.849	ug/L	0.816					
V	51	22.107767	266044.6	ug/L	2.177					
ClO	51	268849.81		ug/L						
Cr	52	43.698013	393138.6	ug/L	4.174					
Cr	53	40.802602	56122.94	ug/L	4.589					
Fe	54	184.74414	162210.6	ug/L	15.55					
Mn	55	91.240736	1283124	ug/L	8.849					
Fe	56	169.01931	4618733	ug/L	39.945					
Fe	57	164.88237	50783.18	ug/L	19.132					
Co	59	20.748338	222965.2	ug/L	1.803					
Ni	60	161.213	407672.7	ug/L	15.3					
Ni	62	162.37075	62030.2	ug/L	16.966					
Cu	63	67.317528	361831.6	ug/L	7.028					
Zn	64	78.831425	210009.5	ug/L	9.944					
Cu	65	67.646029	176286.6	ug/L	6.734					
Zn	66	80.574373	125441.2	ug/L	9.142					
Zn	68	81.987211	92706.28	ug/L	9.358					
Ge	72	142172.44		ug/L						
As	75	45.012601	66743.77	ug/L	0.019					
Se	74	69.204364	14253.92	mg/L	21.903					
ArCl	77	17658.978		ug/L						

Br	79	1646.166	ug/L			
Br	81	18119.555	ug/L			
Y	89	380195.08	ug/L			
Mo	95	47.513818	173570.7	ug/L	2.13	
Rh	103	383977.74	ug/L			
Ag	107	49.598112	597493.3	ug/L	1.493	
Ag	109	52.629974	609214.2	ug/L	2.025	
Cd	111	22.253678	69701.56	ug/L	0.494	
Cd	114	22.97713	166939.5	ug/L	0.131	
In	115	526506.52	ug/L			
Sb	121	56.569711	581518.6	ug/L	0.884	
Sb	123	56.788636	449249.3	ug/L	1.049	
Ba	137	155.67877	791548.7	ug/L	1.325	
Ba	138	160.21719	5200782	ug/L	0.281	
Tb	159	661664.19	ug/L			
Ho	165	627067.8	ug/L			
Hg	200	1.064559	2434.684	ug/L	0.007	
Hg	202	1.062058	3194.927	ug/L	0.024	
Tl	205	14.590824	423735.4	ug/L	0.134	
Pb	208	107.80619	4337792	ug/L	1.252	
Bi	209	545381.23	ug/L			
Se	77	136.00498	17792.06	mg/L	0.709	
Se	78	129.30627	69808.31	mg/L	2.955	
Se	82	128.62101	25115.89	mg/L	1.964	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	58.456							
|	B	63.249							
|	B	65.575							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	92.577							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	94.552							
|	Ti								
|	Ti								
|	V	88.786							
|	ClO								
|	Cr	88.817							

	Cr	82.932
	Fe	103.209
	Mn	86.076
	Fe	94.424
	Fe	92.113
	Co	89.049
	Ni	79.026
	Ni	79.594
	Cu	86.084
	Zn	75.078
	Cu	86.504
	Zn	76.737
|-	Zn	78.083
|>	Ge	80.741
	As	114.245
	Se	43.253
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	113.398
|-	Rh	
	Ag	98.605
	Ag	104.632
	Cd	95.921
	Cd	99.039
|>	In	87.819
	Sb	121.655
	Sb	122.126
	Ba	110.41
|-	Ba	113.629
|-	Tb	
|>	Ho	92.565
	Hg	106.456
	Hg	106.206
	Tl	102.752
	Pb	103.66
|-	Bi	
	Se	85.003
	Se	80.816
	Se	80.388

Sample ID: QC Std 6
Sample Date/Time Tuesday August 30 2011 7:18:13
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18849
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5687.112		ug/L						
Be	9	0.104633	63.334	ug/L	0.17					
B	10	0.912046	178.67	ug/L	0.715					
B	11	1.013194	836.051	ug/L	0.708					
C	12	356019.07		ug/L						
Na	23	8261.7756	57378467	ug/L	814.713					
Mg	24	8406.8469	37473907	ug/L	648.76					
Mg	25	8471.4187	5439278	ug/L	740.519					
Al	27	8599.5563	61178044	ug/L	636.602					
Si	28	59763.591		ug/L						
P	31	9344.4538	3274777	ug/L	587.137					
S	32	65790756		ug/L						
Cl	35	7144115.2		ug/L						
K	39	8460.9268	94419081	ug/L	685.242					
Ca	44	8344.5135	2873103	ug/L	598.703					
Sc	45	203383.17		ug/L						
Ti	47	19.858108	18200.05	ug/L	1.258					
Ti	48	6.387102	55197.08	ug/L	0.232					
V	51	-0.761156	31066.51	ug/L	0.049					
ClO	51	31666.922		ug/L						
Cr	52	0.131452	10100.28	ug/L	0.224					
Cr	53	-2.95157	9790.708	ug/L	0.111					
Fe	54	8788.9906	6381915	ug/L	874.502					
Mn	55	0.257994	9248.599	ug/L	0.566					
Fe	56	8672.1226	1.15E+08	ug/L	757.216					
Fe	57	9065.1196	2733864	ug/L	724.133					
Co	59	0.11742	1696.591	ug/L	0.126					
Ni	60	0.885687	2849.382	ug/L	0.914					
Ni	62	0.689879	384.35	ug/L	0.843					
Cu	63	0.461368	3249.12	ug/L	0.357					
Zn	64	0.657984	3328.452	ug/L	0.354					
Cu	65	0.382134	1321.483	ug/L	0.359					
Zn	66	0.594386	1856.895	ug/L	0.392					
Zn	68	0.517863	1369.126	ug/L	0.353					
Ge	72	145320.31		ug/L						
As	75	0.471731	540.427	ug/L	0.365					
Se	74	94.667983	13096.6	mg/L	12.319					
ArCl	77	821.38		ug/L						

Br	79	1810.198	ug/L				
Br	81	19073.846	ug/L				
Y	89	385905.77	ug/L				
Mo	95	2.438716	9227.026	ug/L	2.02		
Rh	103	381076.43	ug/L				
Ag	107	1.162519	14783.21	ug/L	0.638		
Ag	109	1.15521	14088.91	ug/L	0.624		
Cd	111	0.133523	452.355	ug/L	0.147		
Cd	114	0.079772	1021.766	ug/L	0.146		
In	115	533665.92	ug/L				
Sb	121	3.722219	39554.49	ug/L	1.207		
Sb	123	3.673508	30040.41	ug/L	1.18		
Ba	137	0.705969	3713.011	ug/L	0.861		
Ba	138	0.69933	23397.49	ug/L	0.855		
Tb	159	662260.22	ug/L				
Ho	165	630470.97	ug/L				
Hg	200	0.021383	69.001	ug/L	0.012		
Hg	202	0.018625	85.001	ug/L	0.011		
Tl	205	0.094426	3119.463	ug/L	0.101		
Pb	208	0.477	19793.05	ug/L	0.572		
Bi	209	535073.44	ug/L				
Se	77	0.298012	789.369	mg/L	1.776		
Se	78	-0.554816	15225.66	mg/L	0.687		
Se	82	1.628706	309.212	mg/L	1.392		

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	82.618							
|	Mg	84.068							
|	Mg	84.714							
|	Al	85.996							
|	Si								
|	P	93.445							
|	S								
|	Cl								
|	K	84.609							
|	Ca	83.445							
|>	Sc	112.557							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	87.89
|	Mn	
|	Fe	86.721
|	Fe	90.651
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	82.528
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	89.013
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	93.067
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102648.01
Sample Date/Time Tuesday August 30 2011 7:25:14
Autosampl Position: 107
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102648.01.18850
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6464.965		ug/L						
Be	9	-0.02272	7.667	ug/L	0.001					
B	10	66.021047	5672.159	ug/L	2.244					
B	11	70.118958	29486.71	ug/L	2.228					
C	12	500279.17		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	7716.816	32071788	ug/L	141.792					
Mg	25	7597.6788	4550757	ug/L	40.778					
Al	27	6.384239	47056.66	ug/L	1.602					
Si	28	22584761		ug/L						
P	31	77.880807	34562.37	ug/L	0.587					
S	32	78453303		ug/L						
Cl	35	9829651.8		ug/L						
K	39	4602.8445	48335774	ug/L	62.173					
Ca	44	16184.598	5138627	ug/L	694.821					
Sc	45	189167.18		ug/L						
Ti	47	1.225317	1264.434	ug/L	0.008					
Ti	48	13.31906	111971.3	ug/L	0.197					
V	51	-0.468014	32292.92	ug/L	0.027					
ClO	51	32981.716		ug/L						
Cr	52	-0.040792	7624.303	ug/L	0.015					
Cr	53	-1.740997	10582.6	ug/L	0.203					
Fe	54	332.09673	278947.7	ug/L	9.767					
Mn	55	193.58062	3022675	ug/L	5.547					
Fe	56	313.23969	6868063	ug/L	2.802					
Fe	57	352.46425	109068.6	ug/L	7.769					
Co	59	0.057696	812.378	ug/L	0.002					
Ni	60	1.167967	3354.319	ug/L	0.023					
Ni	62	1.174256	550.689	ug/L	0.034					
Cu	63	1.429022	8731.946	ug/L	0.024					
Zn	64	10.291967	31504.1	ug/L	0.319					
Cu	65	0.733798	2211.291	ug/L	0.026					
Zn	66	9.758161	17508.69	ug/L	0.09					
Zn	68	9.897273	12995.08	ug/L	0.113					
Ge	72	148251.03		ug/L						
As	75	28.048045	43298.47	ug/L	0.248					
Se	74	76.270917	14444.48	mg/L	16.792					
ArCl	77	953.059		ug/L						

Br	79	36108.385	ug/L						
Br	81	56360.18	ug/L						
Y	89	395902.28	ug/L						
Mo	95	2.715375	10440.1	ug/L	0.02				
Rh	103	383324.66	ug/L						
Ag	107	0.545465	7066.826	ug/L	0.065				
Ag	109	0.544044	6745.908	ug/L	0.052				
Cd	111	0.008045	51.001	ug/L	0.002				
Cd	114	-0.039069	141.003	ug/L	0				
In	115	523220.45	ug/L						
Sb	121	1.40555	15057.07	ug/L	0.249				
Sb	123	1.395758	11506.34	ug/L	0.209				
Ba	137	23.431774	118399.5	ug/L	0.707				
Ba	138	23.508413	758298.1	ug/L	0.625				
Tb	159	652939.23	ug/L						
Ho	165	628913.98	ug/L						
Hg	200	0.133356	323.676	ug/L	0.011				
Hg	202	0.097005	319.342	ug/L	0.002				
Tl	205	0.001391	429.348	ug/L	0.002				
Pb	208	0.106371	4984.25	ug/L	0.002				
Bi	209	450034.25	ug/L						
Se	77	1.362301	922.713	mg/L	0.06				
Se	78	-0.810557	15118.16	mg/L	0.142				
Se	82	0.735388	134.711	mg/L	0.11				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	104.69							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.193
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.271
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.837
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102648.02
Sample Date/Time Tuesday August 30 2011 7:31:47
Autosampl Position: 108
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102648.02.18851
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6631.753		ug/L						
Be	9	-0.020761	8.333	ug/L	0.004					
B	10	67.929553	5785.898	ug/L	1.101					
B	11	72.096649	30059.25	ug/L	1.366					
C	12	529940.12		ug/L						
Na	23	92302.28	5.93E+08	ug/L	2098.158					
Mg	24	7665.3791	31595049	ug/L	0.87					
Mg	25	7790.4849	4625999	ug/L	207.852					
Al	27	2.41464	20408.25	ug/L	0.071					
Si	28	22683584		ug/L						
P	31	39.90166	22008.82	ug/L	0.607					
S	32	80136669		ug/L						
Cl	35	10017288		ug/L						
K	39	4806.2506	49996402	ug/L	174.048					
Ca	44	16080.057	5063396	ug/L	785.237					
Sc	45	187560.64		ug/L						
Ti	47	1.167545	1205.425	ug/L	0.015					
Ti	48	14.139377	118170.5	ug/L	1.054					
V	51	-0.26024	34423.06	ug/L	0.05					
ClO	51	35399.14		ug/L						
Cr	52	0.002007	7977.146	ug/L	0.016					
Cr	53	-1.197928	11149.95	ug/L	0.213					
Fe	54	23.943839	71568.56	ug/L	2.343					
Mn	55	1.025632	20099.4	ug/L	0.009					
Fe	56	5.032058	3142892	ug/L	4.01					
Fe	57	64.557555	28136.3	ug/L	4.208					
Co	59	0.024212	409.347	ug/L	0.002					
Ni	60	0.491436	1439.795	ug/L	0.01					
Ni	62	0.487656	257.006	ug/L	0.01					
Cu	63	8.90262	52958.67	ug/L	0.156					
Zn	64	9.469516	28834.26	ug/L	0.26					
Cu	65	8.194275	23630.24	ug/L	0.115					
Zn	66	8.75595	15647.61	ug/L	0.024					
Zn	68	8.918745	11671.27	ug/L	0.107					
Ge	72	150076.64		ug/L						
As	75	16.782357	26151.92	ug/L	0.169					
Se	74	41.445854	16690.17	mg/L	40.336					
ArCl	77	977.729		ug/L						

Br		79	37584.631	ug/L					
Br		81	58048.386	ug/L					
Y		89	394590.03	ug/L					
Mo		95	2.695579	10492.16	ug/L	0.027			
Rh		103	385270.75	ug/L					
Ag		107	0.426368	5704.513	ug/L	0.01			
Ag		109	0.439225	5599.78	ug/L	0.012			
Cd		111	0.022001	95.335	ug/L	0.003			
Cd		114	-0.027065	229.672	ug/L	0.001			
In		115	528154.12	ug/L					
Sb		121	0.85812	9586.499	ug/L	0.097			
Sb		123	0.853299	7330.974	ug/L	0.094			
Ba		137	13.294896	67848.59	ug/L	0.285			
Ba		138	13.23916	431297.7	ug/L	0.135			
Tb		159	651986.96	ug/L					
Ho		165	627819.64	ug/L					
Hg		200	0.103353	255.006	ug/L	0.006			
Hg		202	0.074191	250.673	ug/L	0.005			
Tl		205	-0.001862	334.343	ug/L	0.001			
Pb		208	0.404899	16999.38	ug/L	0.009			
Bi		209	454788.29	ug/L					
Se		77	1.692238	964.051	mg/L	0.316			
Se		78	-2.147562	14556.2	mg/L	0.606			
Se		82	0.595829	107.45	mg/L	0.036			

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.801							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	85.229
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.094
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.676
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102648.03
Sample Date/Time Tuesday August 30 2011 7:38:20
Autosampl Position: 109
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102648.03.18852
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6658.438		ug/L						
Be	9	-0.021612	8.333	ug/L	0.003					
B	10	64.933828	5735.533	ug/L	1.805					
B	11	67.892897	29354.94	ug/L	2.022					
C	12	542187.4		ug/L						
Na	23	89988.329	5.99E+08	ug/L	4993.297					
Mg	24	8331.3822	35572494	ug/L	377.033					
Mg	25	8371.3435	5150483	ug/L	364.988					
Al	27	6.036845	45803.08	ug/L	0.478					
Si	28	23507146		ug/L						
P	31	30.468728	19649.85	ug/L	1.186					
S	32	83419072		ug/L						
Cl	35	10250137		ug/L						
K	39	4808.7154	51845026	ug/L	138.888					
Ca	44	17548.262	5722219	ug/L	516.192					
Sc	45	194435.7		ug/L						
Ti	47	1.149696	1234.763	ug/L	0.036					
Ti	48	14.350709	124288.5	ug/L	0.266					
V	51	-0.254012	35751.19	ug/L	0.066					
ClO	51	36124.327		ug/L						
Cr	52	0.042432	8677.073	ug/L	0.011					
Cr	53	-1.194664	11560.46	ug/L	0.21					
Fe	54	16.094778	68725.6	ug/L	3.389					
Mn	55	3.10944	54216.06	ug/L	0.107					
Fe	56	-6.79555	3111316	ug/L	6.499					
Fe	57	65.796498	29517.46	ug/L	3.42					
Co	59	0.06473	921.056	ug/L	0.003					
Ni	60	5.418798	15728.42	ug/L	0.19					
Ni	62	5.233122	2337.324	ug/L	0.185					
Cu	63	618.37632	3797989	ug/L	25.161					
Zn	64	729.04313	2213157	ug/L	28.413					
Cu	65	585.0443	1741907	ug/L	21.672					
Zn	66	707.88377	1255051	ug/L	24.656					
Zn	68	683.09875	878960.8	ug/L	19.391					
Ge	72	149274.3		ug/L						
As	75	15.259032	23634.87	ug/L	0.004					
Se	74	87.854097	13849.56	mg/L	31.597					
ArCl	77	1010.066		ug/L						

Br		79	39141.892	ug/L					
Br		81	59741.337	ug/L					
Y		89	399555.73	ug/L					
Mo		95	2.438479	9449.67	ug/L	0.05			
Rh		103	381788.5	ug/L					
Ag		107	0.324927	4495.49	ug/L	0.001			
Ag		109	0.325854	4299.727	ug/L	0.01			
Cd		111	0.482914	1548.147	ug/L	0.001			
Cd		114	0.599308	4798.981	ug/L	0.004			
In		115	529892.68	ug/L					
Sb		121	1.200186	13161.99	ug/L	0.03			
Sb		123	1.198837	10109.94	ug/L	0.037			
Ba		137	14.733476	75448.58	ug/L	0.166			
Ba		138	14.731898	481528.8	ug/L	0.078			
Tb		159	653495.35	ug/L					
Ho		165	623474.94	ug/L					
Hg		200	0.102049	250.339	ug/L	0.004			
Hg		202	0.069595	235.339	ug/L	0.007			
Tl		205	0.009534	660.697	ug/L	0.001			
Pb		208	563.29552	22533618	ug/L	0.381			
Bi		209	456177.44	ug/L					
Se		77	1.851885	984.053	mg/L	0.211			
Se		78	-1.42958	14857.98	mg/L	0.201			
Se		82	0.759598	139.441	mg/L	0.153			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	107.606							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.774
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.384
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.035
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102648.04
Sample Date/Time Tuesday August 30 2011 7:44:53
Autosampl Position: 110
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102648.04.18853
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7053.404		ug/L						
Be	9	-0.016666	11	ug/L	0.005					
B	10	62.046469	5897.638	ug/L	4.821					
B	11	65.707631	30560.26	ug/L	5.33					
C	12	615649.24		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	8040.5513	36950048	ug/L	457.993					
Mg	25	7978.6034	5278741	ug/L	674.763					
Al	27	4.400873	37323.52	ug/L	0.284					
Si	28	23817092		ug/L						
P	31	38.851645	24167.83	ug/L	2.974					
S	32	84609429		ug/L						
Cl	35	10372147		ug/L						
K	39	4544.2641	52722339	ug/L	415.67					
Ca	44	16620.324	5824957	ug/L	1891.946					
Sc	45	209482.48		ug/L						
Ti	47	1.079213	1261.1	ug/L	0.101					
Ti	48	14.026669	131484.5	ug/L	2.251					
V	51	-0.395647	36635.37	ug/L	0.165					
ClO	51	37287.355		ug/L						
Cr	52	-0.018681	8665.433	ug/L	0.061					
Cr	53	-1.745721	11696.97	ug/L	0.466					
Fe	54	55.841105	103370.3	ug/L	11.469					
Mn	55	0.273306	9431.985	ug/L	0.038					
Fe	56	-10.1132	3304219	ug/L	12.748					
Fe	57	64.144867	31236.7	ug/L	7.336					
Co	59	0.022005	427.348	ug/L	0.001					
Ni	60	1.724265	5439.681	ug/L	0.088					
Ni	62	1.719745	866.717	ug/L	0.003					
Cu	63	1.694377	11428.64	ug/L	0					
Zn	64	6.261901	21678.4	ug/L	0.4					
Cu	65	1.097406	3620.093	ug/L	0.032					
Zn	66	5.388284	11028.8	ug/L	0.258					
Zn	68	5.491792	8274.514	ug/L	0.291					
Ge	72	154777.15		ug/L						
As	75	13.370949	21450.26	ug/L	0.03					
Se	74	90.330587	14202.17	mg/L	85.3					
ArCl	77	1016.067		ug/L						

Br	79	21394.035	ug/L						
Br	81	40607.239	ug/L						
Y	89	415740.72	ug/L						
Mo	95	2.459664	9882.801	ug/L	0.036				
Rh	103	396985.4	ug/L						
Ag	107	0.264416	3880.2	ug/L	0.005				
Ag	109	0.26194	3666.776	ug/L	0.004				
Cd	111	0.006049	46.667	ug/L	0.004				
Cd	114	-0.020041	290.341	ug/L	0.005				
In	115	546520.6	ug/L						
Sb	121	0.741313	8682.576	ug/L	0.066				
Sb	123	0.750342	6746.565	ug/L	0.087				
Ba	137	14.450305	76319.79	ug/L	0.013				
Ba	138	14.671083	494581.3	ug/L	0.034				
Tb	159	662659.59	ug/L						
Ho	165	641899.6	ug/L						
Hg	200	0.097529	247.339	ug/L	0.007				
Hg	202	0.06905	240.672	ug/L	0				
Tl	205	-0.002881	311.675	ug/L	0.001				
Pb	208	1.056587	44230.97	ug/L	0.045				
Bi	209	456849.58	ug/L						
Se	77	1.9051	990.721	mg/L	0.166				
Se	78	-1.233933	14940.21	mg/L	0.013				
Se	82	0.393664	67.959	mg/L	0.128				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	115.933							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.899
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.157
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.754
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102648.04 MS
Sample Date/Time Tuesday August 30 2011 7:51:26
Autosampl Position: 111
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MS.18854
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7276.244		ug/L						
Be	9	560.73753	246679.5	ug/L	24.369					
B	10	58.663835	5776.559	ug/L	3.077					
B	11	61.523499	29643.55	ug/L	3.218					
C	12	974678.2		ug/L						
Na	23	91304.336	6.77E+08	ug/L	4536.21					
Mg	24	17083.61	81106617	ug/L	1565.924					
Mg	25	16690.985	11429638	ug/L	973.65					
Al	27	9636.5322	73093846	ug/L	504.894					
Si	28	23964044		ug/L						
P	31	9360.9333	3496201	ug/L	507.176					
S	32	86905813		ug/L						
Cl	35	12543537		ug/L						
K	39	13290.643	1.58E+08	ug/L	675.139					
Ca	44	24976.789	9032073	ug/L	1738.703					
Sc	45	216631.1		ug/L						
Ti	47	18.835387	18417.16	ug/L	0.823					
Ti	48	18.05947	175780.6	ug/L	0.566					
V	51	800.61413	10725988	ug/L	48.778					
ClO	51	10870316		ug/L						
Cr	52	775.34312	8713677	ug/L	54.126					
Cr	53	661.51547	936187.4	ug/L	30.45					
Fe	54	9198.1741	7120687	ug/L	647.329					
Mn	55	757.26528	13501857	ug/L	56.596					
Fe	56	9288.8229	1.31E+08	ug/L	1035.514					
Fe	57	9823.9089	3156828	ug/L	691.438					
Co	59	741.69457	10125971	ug/L	45.756					
Ni	60	590.81056	1899522	ug/L	36.749					
Ni	62	596.23696	289756.3	ug/L	26.956					
Cu	63	665.88418	4553504	ug/L	30.252					
Zn	64	649.0206	2192925	ug/L	37.389					
Cu	65	668.71432	2215514	ug/L	41.847					
Zn	66	608.7712	1201630	ug/L	29.003					
Zn	68	606.19471	868154.2	ug/L	32.295					
Ge	72	150915.71		ug/L						
As	75	972.95911	1535182	ug/L	7.079					
Se	74	-21.4288	20549.11	mg/L	13.598					
ArCl	77	113811.45		ug/L						

Br		79	37193.045	ug/L					
Br		81	56379.656	ug/L					
Y		89	394980.87	ug/L					
Mo		95	1146.3273	4442895	ug/L	22.428			
Rh		103	374421.62	ug/L					
Ag		107	128.12336	1487755	ug/L	3.62			
Ag		109	126.63479	1411930	ug/L	59.044			
Cd		111	1037.7095	3133625	ug/L	5.042			
Cd		114	1055.5293	7377283	ug/L	6.78			
In		115	507725.1	ug/L					
Sb		121	1182.8965	11710615	ug/L	13.414			
Sb		123	1174.2498	8946382	ug/L	20.544			
Ba		137	1114.5568	5464692	ug/L	9.929			
Ba		138	1129.271	35348041	ug/L	4.921			
Tb		159	637967.47	ug/L					
Ho		165	620424.49	ug/L					
Hg		200	1.113353	2518.374	ug/L	0.016			
Hg		202	1.069681	3183.256	ug/L	0			
Tl		205	1008.9592	28963888	ug/L	3.879			
Pb		208	993.88097	39563626	ug/L	3.125			
Bi		209	433743.4	ug/L					
Se		77	895.80471	112987.2	mg/L	9.981			
Se		78	862.51411	377987	mg/L	6.998			
Se		82	815.35149	159261.8	mg/L	6.63			
QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	119.889							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	85.706
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.686
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.584
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102648.04 MSD
Sample Date/Time Tuesday August 30 2011 7:57:58
Autosampl Position: 112
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MSD.18855
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7018.709		ug/L						
Be	9	597.13404	244155.8	ug/L	0.406					
B	10	65.015737	5941.667	ug/L	0.192					
B	11	67.862245	30358.91	ug/L	0.627					
C	12	951413.71		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	18462.158	81572269	ug/L	611.855					
Mg	25	18538.523	11802150	ug/L	785.841					
Al	27	10346.498	72952477	ug/L	273.615					
Si	28	24038927		ug/L						
P	31	10249.149	3557744	ug/L	198.919					
S	32	91209911		ug/L						
Cl	35	12409676		ug/L						
K	39	14547.186	1.6E+08	ug/L	115.142					
Ca	44	27448.35	9225832	ug/L	443.451					
Sc	45	201086.38		ug/L						
Ti	47	20.062537	18215.75	ug/L	0.232					
Ti	48	18.311745	165382.3	ug/L	0.735					
V	51	859.7711	10707908	ug/L	7.833					
ClO	51	10901851		ug/L						
Cr	52	821.82641	8590347	ug/L	5.7					
Cr	53	703.11867	923998.8	ug/L	10.541					
Fe	54	9914.1829	7134661	ug/L	90.001					
Mn	55	818.42363	13574600	ug/L	4.824					
Fe	56	9925.2393	1.3E+08	ug/L	203.668					
Fe	57	10509.804	3140631	ug/L	30.639					
Co	59	799.58316	10151153	ug/L	7.458					
Ni	60	630.59862	1885416	ug/L	1.723					
Ni	62	643.0885	290493.7	ug/L	4.701					
Cu	63	724.46606	4604741	ug/L	2.386					
Zn	64	704.69575	2213839	ug/L	2.198					
Cu	65	721.02552	2221488	ug/L	3.281					
Zn	66	654.04625	1199975	ug/L	3.374					
Zn	68	648.52387	863426.6	ug/L	3.909					
Ge	72	150542.91		ug/L						
As	75	964.05956	1517419	ug/L	19.511					
Se	74	-74.06426	23643.79	mg/L	44.137					
ArCl	77	114388.7		ug/L						

Br	79	37700.764	ug/L			
Br	81	58736.445	ug/L			
Y	89	399733.08	ug/L			
Mo	95	1169.004	4519905	ug/L	6.662	
Rh	103	384305.31	ug/L			
Ag	107	279.83323	3329317	ug/L	43.111	
Ag	109	194.15451	2221417	ug/L	16.225	
Cd	111	1034.1525	3203827	ug/L	20.039	
Cd	114	1024.5963	7346312	ug/L	25.902	
In	115	520976.8	ug/L			
Sb	121	1186.2563	12048363	ug/L	20.129	
Sb	123	1166.516	9117837	ug/L	18.989	
Ba	137	1095.604	5511397	ug/L	15.451	
Ba	138	1097.0634	35228556	ug/L	28.621	
Tb	159	646082.43	ug/L			
Ho	165	617292.53	ug/L			
Hg	200	1.08327	2438.351	ug/L	0.014	
Hg	202	1.067982	3161.915	ug/L	0.036	
Tl	205	1010.5788	28863875	ug/L	1.735	
Pb	208	997.40841	39502777	ug/L	5.75	
Bi	209	429606.89	ug/L			
Se	77	895.06092	112894	mg/L	1.158	
Se	78	860.85873	377291.3	mg/L	6.546	
Se	82	821.02965	160371	mg/L	4.982	

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	111.286							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	85.494
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.896
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.122
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 8:04:31
Autosampl Position: 113
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18856
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6621.077		ug/L						
Be	9	0.212562	87.668	ug/L	0.134					
B	10	1.209623	168.337	ug/L	0.309					
B	11	1.397445	823.712	ug/L	0.08					
C	12	415412.1		ug/L						
Na	23	53.832995	323056.9	ug/L	12.466					
Mg	24	7.920763	29855.56	ug/L	2.945					
Mg	25	7.636437	4164.795	ug/L	3.261					
Al	27	5.583005	37052.07	ug/L	1.646					
Si	28	74881.64		ug/L						
P	31	6.62886	10086.6	ug/L	0.405					
S	32	74483283		ug/L						
Cl	35	10531173		ug/L						
K	39	5.435223	899620.7	ug/L	0.651					
Ca	44	-68.16072	32206.94	ug/L	4.495					
Sc	45	167990.29		ug/L						
Ti	47	0.028088	227.005	ug/L	0.012					
Ti	48	0.415026	-662.895	ug/L	0.01					
V	51	0.750244	41326.29	ug/L	0.145					
ClO	51	42143.026		ug/L						
Cr	52	0.361985	10298.79	ug/L	0.131					
Cr	53	1.246808	12633.9	ug/L	0.061					
Fe	54	46.998424	77921.21	ug/L	13.3					
Mn	55	0.147063	5850.371	ug/L	0.126					
Fe	56	49.762558	3292242	ug/L	3.593					
Fe	57	26.830739	15848.93	ug/L	9.58					
Co	59	0.287205	3172.992	ug/L	0.147					
Ni	60	0.316917	858.054	ug/L	0.153					
Ni	62	0.331838	172.003	ug/L	0.152					
Cu	63	0.489221	2777.486	ug/L	0.199					
Zn	64	6.738231	18665.76	ug/L	0.019					
Cu	65	0.461329	1269.779	ug/L	0.229					
Zn	66	7.000219	11327.17	ug/L	0.088					
Zn	68	6.733029	8026.291	ug/L	0.099					
Ge	72	155980.09		ug/L						
As	75	1.058243	1534.638	ug/L	0.343					
Se	74	24.609386	18393.7	mg/L	30.228					
ArCl	77	1011.734		ug/L						

Br	79	4118.315	ug/L			
Br	81	23157.698	ug/L			
Y	89	415178.68	ug/L			
Mo	95	11.765433	47238.42	ug/L	6.622	
Rh	103	422437.41	ug/L			
Ag	107	1.427596	18864.78	ug/L	0.069	
Ag	109	1.443211	18288.26	ug/L	0.068	
Cd	111	0.290457	997.404	ug/L	0.132	
Cd	114	0.23432	2263.332	ug/L	0.126	
In	115	559707.38	ug/L			
Sb	121	25.212305	276577.8	ug/L	9.154	
Sb	123	25.173078	212521.6	ug/L	9.408	
Ba	137	0.376614	2096.943	ug/L	0.126	
Ba	138	0.347696	12296.76	ug/L	0.123	
Tb	159	678230.61	ug/L			
Ho	165	645263.95	ug/L			
Hg	200	0.013889	53.334	ug/L	0.003	
Hg	202	0.010184	61.334	ug/L	0.005	
Tl	205	0.505024	15457.52	ug/L	0.156	
Pb	208	0.359061	15553.34	ug/L	0.129	
Bi	209	470913.39	ug/L			
Se	77	1.979609	1000.056	mg/L	1.355	
Se	78	2.046578	16319.06	mg/L	0.188	
Se	82	2.131491	407.426	mg/L	0.946	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.97							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.582
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.357
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.251
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 8:11:04
Autosampl Position: 114
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18857
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6674.451		ug/L						
Be	9	0.028814	24.334	ug/L	0.004					
B	10	0.900605	144.003	ug/L	0.195					
B	11	1.183213	740.371	ug/L	0.132					
C	12	412707.12		ug/L						
Na	23	41.428309	249609	ug/L	2.439					
Mg	24	3.335263	12740.2	ug/L	0.241					
Mg	25	3.439975	1903.723	ug/L	0.208					
Al	27	5.139009	34170.85	ug/L	0.179					
Si	28	76945.263		ug/L						
P	31	1.721534	8628.288	ug/L	0.921					
S	32	76231519		ug/L						
Cl	35	10858466		ug/L						
K	39	14.571318	978431.7	ug/L	4.609					
Ca	44	-58.44532	34753.12	ug/L	1.41					
Sc	45	167301.01		ug/L						
Ti	47	0.062004	251.339	ug/L	0.008					
Ti	48	0.432035	-532.717	ug/L	0.022					
V	51	0.651209	40093.62	ug/L	0.132					
ClO	51	40978.894		ug/L						
Cr	52	0.168038	8559.455	ug/L	0.003					
Cr	53	1.760709	13127.94	ug/L	0.37					
Fe	54	36.368327	71229.23	ug/L	2.392					
Mn	55	-0.023425	3453.024	ug/L	0.009					
Fe	56	40.723473	3180214	ug/L	11.626					
Fe	57	16.331851	13164.2	ug/L	1.69					
Co	59	0.064478	788.709	ug/L	0.009					
Ni	60	0.202147	564.023	ug/L	0.019					
Ni	62	0.209514	124.335	ug/L	0.056					
Cu	63	0.459869	2598.064	ug/L	0.014					
Zn	64	5.468907	15264.74	ug/L	0.194					
Cu	65	0.438033	1197.758	ug/L	0.015					
Zn	66	5.692162	9279.827	ug/L	0.143					
Zn	68	5.545687	6674.182	ug/L	0.189					
Ge	72	155844.51		ug/L						
As	75	0.324645	337.231	ug/L	0.087					
Se	74	59.61588	16204.61	mg/L	36.381					
ArCl	77	830.713		ug/L						

Br	79	2538.38	ug/L						
Br	81	21999.48	ug/L						
Y	89	416564.98	ug/L						
Mo	95	2.408959	9755.753	ug/L	0.432				
Rh	103	421599.02	ug/L						
Ag	107	1.229764	16135.81	ug/L	0.02				
Ag	109	1.228089	15453.61	ug/L	0.016				
Cd	111	0.064961	241.006	ug/L	0.01				
Cd	114	0.02434	631.695	ug/L	0.01				
In	115	553119.44	ug/L						
Sb	121	6.970194	75994.34	ug/L	1.417				
Sb	123	7.062184	59240.89	ug/L	1.61				
Ba	137	0.215595	1207.759	ug/L	0.009				
Ba	138	0.213571	7550.28	ug/L	0.016				
Tb	159	680673.56	ug/L						
Ho	165	657449.91	ug/L						
Hg	200	0.011904	49.667	ug/L	0.001				
Hg	202	0.004265	44.001	ug/L	0.003				
Tl	205	0.114831	3900.209	ug/L	0.002				
Pb	208	0.198551	9101.199	ug/L	0.007				
Bi	209	477320.42	ug/L						
Se	77	0.989795	876.042	mg/L	0.346				
Se	78	-0.187286	15380.13	mg/L	0.196				
Se	82	0.419901	73.084	mg/L	0.265				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.589							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
|-	Zn	
|>	Ge	88.505
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	
|-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
|>	In	92.258
	Sb	
	Sb	
	Ba	
|-	Ba	
|-	Tb	
|>	Ho	97.05
	Hg	
	Hg	
	Tl	
	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 8:17:38
Autosampl Position: 115
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18858
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6464.965		ug/L						
Be	9	-0.011778	11	ug/L	0.011					
B	10	-0.069529	74.668	ug/L	0.049					
B	11	0.072245	346.677	ug/L	0.065					
C	12	379141.9		ug/L						
Na	23	10.447466	75422.7	ug/L	0.213					
Mg	24	0.61325	2867.406	ug/L	0.023					
Mg	25	0.640786	440.055	ug/L	0.123					
Al	27	0.192313	5388.802	ug/L	0.03					
Si	28	53810.836		ug/L						
P	31	-2.855419	7637.326	ug/L	2.366					
S	32	76675876		ug/L						
Cl	35	8953859.6		ug/L						
K	39	-6.29222	822801.9	ug/L	1.989					
Ca	44	-90.77117	26875.69	ug/L	2.472					
Sc	45	174472.18		ug/L						
Ti	47	-0.047715	177.003	ug/L	0.004					
Ti	48	0.323875	-1423.21	ug/L	0.004					
V	51	0.187776	36843.89	ug/L	0.032					
ClO	51	37731.86		ug/L						
Cr	52	0.075651	8086.354	ug/L	0.021					
Cr	53	0.173951	11914.26	ug/L	0.062					
Fe	54	5.033283	54856.45	ug/L	0.207					
Mn	55	-0.166641	1542.813	ug/L	0.001					
Fe	56	10.553594	2983319	ug/L	11.903					
Fe	57	-0.223736	9435.84	ug/L	2.195					
Co	59	0.028656	430.015	ug/L	0.003					
Ni	60	0.036051	158.336	ug/L	0.004					
Ni	62	0.022522	56.667	ug/L	0.023					
Cu	63	0.050837	455.016	ug/L	0.002					
Zn	64	0.147994	1431.87	ug/L	0.019					
Cu	65	0.053876	222.672	ug/L	0.006					
Zn	66	0.138402	845.381	ug/L	0.026					
Zn	68	0.088568	664.698	ug/L	0.011					
Ge	72	157266.03		ug/L						
As	75	0.136241	30.552	ug/L	0.065					
Se	74	135.47507	11647.6	mg/L	54.304					
ArCl	77	718.369		ug/L						

Br	79	2270.64	ug/L						
Br	81	22372.06	ug/L						
Y	89	417101.1	ug/L						
Mo	95	0.974688	4041.28	ug/L	0.148				
Rh	103	419093.11	ug/L						
Ag	107	0.706564	9611.847	ug/L	0.026				
Ag	109	0.703828	9169.382	ug/L	0.012				
Cd	111	0.023388	105.335	ug/L	0.001				
Cd	114	-0.025426	255.339	ug/L	0.001				
In	115	558411.01	ug/L						
Sb	121	2.95871	32990.79	ug/L	0.377				
Sb	123	2.916234	25024.01	ug/L	0.375				
Ba	137	0.036946	256.006	ug/L	0.001				
Ba	138	0.031663	1360.599	ug/L	0.003				
Tb	159	674114.82	ug/L						
Ho	165	648510.58	ug/L						
Hg	200	0.000969	23.334	ug/L	0				
Hg	202	0.000328	31.334	ug/L	0.002				
Tl	205	0.044654	1741.185	ug/L	0.004				
Pb	208	0.026334	1809.754	ug/L	0.003				
Bi	209	488679.91	ug/L						
Se	77	-0.627927	673.358	mg/L	0.075				
Se	78	-1.034995	15023.83	mg/L	0.58				
Se	82	0.500533	88.835	mg/L	0.109				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.557							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.312
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.14
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.73
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102639.01
Sample Date/Time Tuesday August 30 2011 8:24:11
Autosampl Position: 116
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102639.01.18859
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6645.094		ug/L						
Be	9	-0.023896	6.667	ug/L	0.01					
B	10	3.404443	343.343	ug/L	0.231					
B	11	3.776562	1750.853	ug/L	0.212					
C	12	1656143.5		ug/L						
Na	23	11763.66	69675390	ug/L	411.941					
Mg	24	5457.8649	20722731	ug/L	341.95					
Mg	25	5418.3352	2965133	ug/L	273.235					
Al	27	19.201504	120462.1	ug/L	1.59					
Si	28	20143595		ug/L						
P	31	16.84011	13401.23	ug/L	4.665					
S	32	78596016		ug/L						
Cl	35	742415.08		ug/L						
K	39	5948.2988	56823430	ug/L	287.798					
Ca	44	42345.892	12204993	ug/L	2056.16					
Sc	45	172997.22		ug/L						
Ti	47	2.393462	2055.253	ug/L	0.084					
Ti	48	31.517897	247645.2	ug/L	0.524					
V	51	-0.651035	27514.31	ug/L	0.31					
ClO	51	28200.415		ug/L						
Cr	52	0.451885	11392.76	ug/L	0.042					
Cr	53	-3.742257	7430.457	ug/L	0.908					
Fe	54	-14.384	42452.69	ug/L	1.402					
Mn	55	15.30852	222111.5	ug/L	0.582					
Fe	56	29.575179	3168298	ug/L	0.703					
Fe	57	138.18738	44787.86	ug/L	6.696					
Co	59	0.121402	1436.128	ug/L	0.013					
Ni	60	1.525015	3981.578	ug/L	0.097					
Ni	62	0.807877	361.344	ug/L	0.012					
Cu	63	23.425498	128140.7	ug/L	1.099					
Zn	64	37.95109	103463.1	ug/L	1.347					
Cu	65	23.414734	62084.23	ug/L	1.035					
Zn	66	38.468142	61271.76	ug/L	0.986					
Zn	68	37.850912	43848.94	ug/L	1.348					
Ge	72	155604.4		ug/L						
As	75	6.716486	10737.62	ug/L	0.116					
Se	74	82.891123	14753.54	mg/L	25.133					
ArCl	77	357.011		ug/L						

Br	79	13788.253	ug/L						
Br	81	32683.306	ug/L						
Y	89	409069.93	ug/L						
Mo	95	2.807191	11324.51	ug/L	0.202				
Rh	103	402997.36	ug/L						
Ag	107	0.503553	6933.379	ug/L	0.007				
Ag	109	0.510596	6715.88	ug/L	0.007				
Cd	111	0.035819	144.669	ug/L	0.004				
Cd	114	-0.009988	369.345	ug/L	0.003				
In	115	551778.49	ug/L						
Sb	121	0.824124	9655.555	ug/L	0.027				
Sb	123	0.832189	7488.554	ug/L	0.027				
Ba	137	36.543157	194708.3	ug/L	0.977				
Ba	138	36.460862	1240131	ug/L	1.021				
Tb	159	677790.97	ug/L						
Ho	165	647273.84	ug/L						
Hg	200	0.002839	27.667	ug/L	0				
Hg	202	-0.001169	26.667	ug/L	0.001				
Tl	205	0.046309	1786.528	ug/L	0.009				
Pb	208	1.484285	62352.06	ug/L	0.01				
Bi	209	392284.54	ug/L						
Se	77	-3.160866	356.007	mg/L	0.376				
Se	78	-1.231335	14941.3	mg/L	0.307				
Se	82	0.651024	118.232	mg/L	0.252				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.741							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.369
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.034
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.548
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1

Sample Date/Time Tuesday August 30 2011 8:30:37
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.1886
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6670.447		ug/L						
Be	9	0.009823	20.334	ug/L	0.004					
B	10	0.042884	91.335	ug/L	0.044					
B	11	0.154604	414.68	ug/L	0.013					
C	12	402041.27		ug/L						
Na	23	79.788552	557083.4	ug/L	66.529					
Mg	24	29.124762	130265.5	ug/L	37.515					
Mg	25	30.073958	19403.61	ug/L	39.104					
Al	27	0.969913	11238.41	ug/L	0.371					
Si	28	170044.21		ug/L						
P	31	1.262623	9716.182	ug/L	0.028					
S	32	79860974		ug/L						
Cl	35	8927703.3		ug/L						
K	39	15.78676	1144839	ug/L	26.876					
Ca	44	123.59308	101914.5	ug/L	297.436					
Sc	45	191228.03		ug/L						
Ti	47	0.171287	387.013	ug/L	0.165					
Ti	48	0.750306	2368.246	ug/L	0.4					
V	51	-0.40703	33232.63	ug/L	0.248					
ClO	51	33744.181		ug/L						
Cr	52	0.054765	8629.828	ug/L	0.062					
Cr	53	-1.620149	10802.86	ug/L	0.825					
Fe	54	18.060315	69437.87	ug/L	15.083					
Mn	55	-0.045562	3685.58	ug/L	0.116					
Fe	56	13.062236	3291517	ug/L	18.818					
Fe	57	2.928732	11254.8	ug/L	0.919					
Co	59	0.053448	774.375	ug/L	0.007					
Ni	60	0.072415	278.34	ug/L	0.012					
Ni	62	0.041	70.001	ug/L	0.009					
Cu	63	0.316557	2188.061	ug/L	0.297					
Zn	64	0.230819	1847.064	ug/L	0.214					
Cu	65	0.302549	1010.088	ug/L	0.274					
Zn	66	0.216249	1078.413	ug/L	0.192					
Zn	68	0.171796	845.384	ug/L	0.194					
Ge	72	160161.19		ug/L						
As	75	0.1851	113.575	ug/L	0.049					
Se	74	64.734047	16335.12	mg/L	44.518					
ArCl	77	751.372		ug/L						
Br	79	2157.611		ug/L						

Br	81	23709.783	ug/L			
Y	89	429801.98	ug/L			
Mo	95	1.826465	7627.59	ug/L	1.178	
Rh	103	432814.56	ug/L			
Ag	107	0.797783	11293.15	ug/L	0.079	
Ag	109	0.816494	11058.87	ug/L	0.091	
Cd	111	0.054113	217.338	ug/L	0.016	
Cd	114	0.015204	595.026	ug/L	0.017	
In	115	585282.31	ug/L			
Sb	121	2.134873	25204.06	ug/L	0.405	
Sb	123	2.155064	19564.22	ug/L	0.404	
Ba	137	0.227355	1344.823	ug/L	0.223	
Ba	138	0.231925	8654.541	ug/L	0.239	
Tb	159	683945.71	ug/L			
Ho	165	656138.88	ug/L			
Hg	200	0.002548	27.334	ug/L	0.002	
Hg	202	-0.00053	29	ug/L	0.001	
Tl	205	0.101413	3479.724	ug/L	0.031	
Pb	208	0.125645	5995.933	ug/L	0.073	
Bi	209	577522.9	ug/L			
Se	77	0.308645	790.701	mg/L	0.557	
Se	78	1.247022	15983	mg/L	0.887	
Se	82	0.30962	51.542	mg/L	0.022	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	105.83							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								
|	Cr								

| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge 90.957
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In 97.622
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho 96.856
| Hg
| Hg
| Tl
| Pb
|- Bi
Se
Se
Se

Sample ID: QC Std 5
Sample Date/Time Tuesday August 30 2011 8:44:27
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.18862
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6383.578		ug/L						
Be	9	29.722276	10041.98	ug/L	0.039					
B	10	122.84559	9195.407	ug/L	3.067					
B	11	126.99994	46614.69	ug/L	3.426					
C	12	372752.22		ug/L						
Na	23	8.251154	59234.97	ug/L	0.148					
Mg	24	0.440373	2097.122	ug/L	0.103					
Mg	25	0.603516	400.049	ug/L	0.137					
Al	27	186.78147	1090823	ug/L	0.609					
Si	28	105650.96		ug/L						
P	31	-0.275737	7997.713	ug/L	5.127					
S	32	83616924		ug/L						
Cl	35	8091067.2		ug/L						
K	39	0.55137	844569	ug/L	0.194					
Ca	44	-83.66999	27524.35	ug/L	1.111					
Sc	45	165932.7		ug/L						
Ti	47	0.23748	379.345	ug/L	0.086					
Ti	48	0.609891	839.557	ug/L	0.077					
V	51	24.173496	280625.9	ug/L	0.203					
ClO	51	283482.44		ug/L						
Cr	52	48.857116	428045.7	ug/L	0.06					
Cr	53	45.027412	59263.13	ug/L	0.06					
Fe	54	205.97848	170520.2	ug/L	10.106					
Mn	55	102.43756	1405340	ug/L	0.073					
Fe	56	242.50203	5279529	ug/L	4.688					
Fe	57	193.73531	56648.36	ug/L	5.755					
Co	59	22.95785	240628.6	ug/L	0.102					
Ni	60	180.55432	445515.7	ug/L	0.382					
Ni	62	179.37773	66888.19	ug/L	3.54					
Cu	63	75.04731	393748.3	ug/L	1.008					
Zn	64	89.755591	233517.8	ug/L	1.679					
Cu	65	74.301358	188977.3	ug/L	0.305					
Zn	66	91.503188	139045.3	ug/L	0.214					
Zn	68	93.160413	102802.4	ug/L	1.518					
Ge	72	158670.06		ug/L						
As	75	44.060903	72908.64	ug/L	0.282					
Se	74	49.973098	17108.96	mg/L	46.532					
ArCl	77	20146.508		ug/L						

Br	79	2012.91	ug/L			
Br	81	23651.966	ug/L			
Y	89	416575.98	ug/L			
Mo	95	42.46867	173157.5	ug/L	1.818	
Rh	103	419384.93	ug/L			
Ag	107	40.930996	539450.5	ug/L	2.037	
Ag	109	43.880378	554826.5	ug/L	6.588	
Cd	111	22.230909	76173.23	ug/L	0.847	
Cd	114	22.420709	178236.1	ug/L	0.542	
In	115	576248.01	ug/L			
Sb	121	48.736374	548038.2	ug/L	1.961	
Sb	123	48.882835	423114.8	ug/L	1.206	
Ba	137	145.0152	806593.1	ug/L	5.028	
Ba	138	150.73406	5353482	ug/L	3.211	
Tb	159	684397.63	ug/L			
Ho	165	652055.31	ug/L			
Hg	200	1.057956	2516.04	ug/L	0.004	
Hg	202	1.042908	3262.618	ug/L	0.006	
Tl	205	14.124239	426529.8	ug/L	0.047	
Pb	208	105.34633	4407966	ug/L	0.084	
Bi	209	480531.14	ug/L			
Se	77	153.06752	19929.82	mg/L	0.83	
Se	78	148.79874	78001.29	mg/L	5.767	
Se	82	145.25844	28365.84	mg/L	2.562	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	69.771							
|	B	76.778							
|	B	79.375							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	106.126							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.831							
|	Ti								
|	Ti								
|	V	97.082							
|	ClO								
|	Cr	99.303							

	Cr	91.519
	Fe	115.072
	Mn	96.639
	Fe	135.476
	Fe	108.232
	Co	98.532
	Ni	88.507
	Ni	87.93
	Cu	95.968
	Zn	85.482
	Cu	95.015
	Zn	87.146
-	Zn	88.724
>	Ge	90.11
	As	111.83
	Se	31.233
	ArCl	
	Br	
	Br	
	Y	
-	Mo	101.357
-	Rh	
	Ag	81.374
	Ag	87.237
	Cd	95.823
	Cd	96.641
>	In	96.115
	Sb	104.809
	Sb	105.124
	Ba	102.848
-	Ba	106.904
-	Tb	
>	Ho	96.253
	Hg	105.796
	Hg	104.291
	Tl	99.466
	Pb	101.295
-	Bi	
	Se	95.667
	Se	92.999
	Se	90.787

Sample ID: QC Std 6
Sample Date/Time Tuesday August 30 2011 8:51:21
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18863
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6418.265		ug/L						
Be	9	-0.013406	11.667	ug/L	0.004					
B	10	0.089302	98.002	ug/L	0.138					
B	11	0.381313	523.687	ug/L	0.157					
C	12	372578.99		ug/L						
Na	23	9485.7418	63787935	ug/L	175.72					
Mg	24	9720.7567	41925319	ug/L	271.29					
Mg	25	9586.4902	5957811	ug/L	50.399					
Al	27	9789.3482	67376272	ug/L	92.886					
Si	28	54531.848		ug/L						
P	31	10432.822	3534703	ug/L	417.645					
S	32	80798339		ug/L						
Cl	35	7403798.7		ug/L						
K	39	9476.1322	1.02E+08	ug/L	148.135					
Ca	44	9211.0811	3061683	ug/L	112.877					
Sc	45	196263.95		ug/L						
Ti	47	22.774031	20150.18	ug/L	0.047					
Ti	48	6.826593	57319.45	ug/L	0.148					
V	51	-0.914995	28095.3	ug/L	0.032					
ClO	51	28917.887		ug/L						
Cr	52	0.018108	8512.647	ug/L	0.003					
Cr	53	-3.113717	9247.795	ug/L	0.156					
Fe	54	9521.0088	6689460	ug/L	29.394					
Mn	55	-0.146762	2057.588	ug/L	0.01					
Fe	56	9761.6459	1.25E+08	ug/L	396.485					
Fe	57	10190.784	2972587	ug/L	288.562					
Co	59	0.033612	544.688	ug/L	0.003					
Ni	60	0.244653	786.709	ug/L	0.008					
Ni	62	0.054572	78.001	ug/L	0.004					
Cu	63	0.192932	1393.454	ug/L	0.004					
Zn	64	0.424541	2458.917	ug/L	0.027					
Cu	65	0.137674	502.686	ug/L	0.01					
Zn	66	0.360167	1348.447	ug/L	0.003					
Zn	68	0.263779	975.395	ug/L	0.041					
Ge	72	157746.4		ug/L						
As	75	0.109445	-14.062	ug/L	0.069					
Se	74	95.932428	14150.67	mg/L	18.542					
ArCl	77	668.031		ug/L						

Br	79	2286.311	ug/L				
Br	81	23981.161	ug/L				
Y	89	419606.09	ug/L				
Mo	95	0.441918	1895.885	ug/L	0.062		
Rh	103	408406.97	ug/L				
Ag	107	0.605749	8384.444	ug/L	0.189		
Ag	109	0.617158	8165.235	ug/L	0.193		
Cd	111	0.014792	77.334	ug/L	0.003		
Cd	114	-0.030588	217.338	ug/L	0		
In	115	562640.43	ug/L				
Sb	121	1.149666	13420.06	ug/L	0.092		
Sb	123	1.153382	10349.97	ug/L	0.101		
Ba	137	0.067934	426.348	ug/L	0.002		
Ba	138	0.064886	2523.903	ug/L	0		
Tb	159	675396.84	ug/L				
Ho	165	647800.59	ug/L				
Hg	200	0.014066	54.001	ug/L	0		
Hg	202	0.011512	65.668	ug/L	0.003		
Tl	205	0.013519	804.711	ug/L	0.006		
Pb	208	0.043171	2506.495	ug/L	0.003		
Bi	209	472240.16	ug/L				
Se	77	-1.117493	612.021	mg/L	0.376		
Se	78	0.881473	15829.35	mg/L	0.034		
Se	82	0.338576	57.198	mg/L	0.006		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	94.857							
|	Mg	97.208							
|	Mg	95.865							
|	Al	97.893							
|	Si								
|	P	104.328							
|	S								
|	Cl								
|	K	94.761							
|	Ca	92.111							
|>	Sc	108.617							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	95.21
	Mn	
	Fe	97.616
	Fe	101.908
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.585
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.846
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.625
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 9:01:00
Autosampl Position: 121
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18864
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6500.99		ug/L						
Be	9	-0.012	10	ug/L	0.009					
B	10	0.677718	122.335	ug/L	0.079					
B	11	0.683906	534.688	ug/L	0.018					
C	12	384097.38		ug/L						
Na	23	37.778658	219507	ug/L	0.585					
Mg	24	2.130041	7980.975	ug/L	0.165					
Mg	25	1.956113	1073.504	ug/L	0.01					
Al	27	7.919843	48423.45	ug/L	0.011					
Si	28	67503.09		ug/L						
P	31	4.554611	9058.758	ug/L	2.109					
S	32	81807062		ug/L						
Cl	35	10135957		ug/L						
K	39	9.832028	897461.5	ug/L	1					
Ca	44	-65.46829	31457.47	ug/L	0.777					
Sc	45	160410.87		ug/L						
Ti	47	0.034379	221.338	ug/L	0.012					
Ti	48	0.375513	-926.456	ug/L	0.003					
V	51	0.228624	34283.2	ug/L	0.016					
ClO	51	34718.859		ug/L						
Cr	52	0.143416	8001.036	ug/L	0.024					
Cr	53	0.325297	11111.23	ug/L	0.005					
Fe	54	24.79094	61679.45	ug/L	1.396					
Mn	55	-0.076873	2606.066	ug/L	0					
Fe	56	47.753224	3122809	ug/L	2.645					
Fe	57	9.608309	11017.77	ug/L	0.198					
Co	59	0.023362	341.343	ug/L	0.001					
Ni	60	0.182174	494.018	ug/L	0.01					
Ni	62	0.185764	111.002	ug/L	0.021					
Cu	63	0.268584	1522.476	ug/L	0.001					
Zn	64	3.279603	9160.611	ug/L	0.089					
Cu	65	0.261156	714.369	ug/L	0.003					
Zn	66	3.324085	5437.347	ug/L	0.062					
Zn	68	3.272435	3990.249	ug/L	0.025					
Ge	72	158311.89		ug/L						
As	75	0.009485	-178.62	ug/L	0.029					
Se	74	98.525681	14025.22	mg/L	24.683					
ArCl	77	748.705		ug/L						

Br		79	1656.834	ug/L						
Br		81	21498.281	ug/L						
Y		89	413137.93	ug/L						
Mo		95	0.352019	1539.479	ug/L	0.002				
Rh		103	420772.13	ug/L						
Ag		107	0.428935	5992.703	ug/L	0.029				
Ag		109	0.431385	5756.214	ug/L	0.027				
Cd		111	0.023156	103.335	ug/L	0				
Cd		114	-0.023582	266.34	ug/L	0.002				
In		115	551942.82	ug/L						
Sb		121	0.676316	8069.995	ug/L	0.024				
Sb		123	0.678148	6217.08	ug/L	0.017				
Ba		137	0.05218	334.343	ug/L	0.002				
Ba		138	0.047464	1882.772	ug/L	0.001				
Tb		159	679700.62	ug/L						
Ho		165	652414.18	ug/L						
Hg		200	0.005134	33.334	ug/L	0.002				
Hg		202	0.002967	39.667	ug/L	0.001				
Tl		205	0.029128	1282.77	ug/L	0				
Pb		208	0.053288	2947.883	ug/L	0.002				
Bi		209	449982.39	ug/L						
Se		77	-0.298	714.695	mg/L	0				
Se		78	0.253257	15565.3	mg/L	0.481				
Se		82	0.161637	22.635	mg/L	0.113				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	88.775								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.906
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.061
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.306
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102600.05
Sample Date/Time Tuesday August 30 2011 9:07:33
Autosampl Position: 122
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102600.05.18865
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8370.519		ug/L						
Be	9	0.178245	109.335	ug/L	0.013					
B	10	21.53392	2455.356	ug/L	1.797					
B	11	21.422989	11899.24	ug/L	1.736					
C	12	9368011.1		ug/L						
Na	23	68284.031	5.69E+08	ug/L	5605.815					
Mg	24	4811.3942	25703286	ug/L	466.705					
Mg	25	4888.4567	3761281	ug/L	532.934					
Al	27	492.76965	4205617	ug/L	50.105					
Si	28	44958448		ug/L						
P	31	8786.2542	3693832	ug/L	552.862					
S	32	96234062		ug/L						
Cl	35	13186533		ug/L						
K	39	6535.3459	87651237	ug/L	724.108					
Ca	44	57023.523	23099631	ug/L	5050.056					
Sc	45	243986.42		ug/L						
Ti	47	39.46647	43060.5	ug/L	3.173					
Ti	48	73.285245	815945.4	ug/L	9.208					
V	51	2.576717	87192.06	ug/L	0.534					
ClO	51	89197.075		ug/L						
Cr	52	20.19084	265412.1	ug/L	1.607					
Cr	53	17.420682	43622.85	ug/L	2.345					
Fe	54	28185.948	24383441	ug/L	2853.563					
Mn	55	323.99618	6503223	ug/L	27.122					
Fe	56	28326.824	4.41E+08	ug/L	2692.586					
Fe	57	29311.237	10577773	ug/L	1924.572					
Co	59	0.84334	13112.25	ug/L	0.066					
Ni	60	6.709253	24369.2	ug/L	0.438					
Ni	62	6.36785	3540.725	ug/L	0.758					
Cu	63	59.736181	459586.8	ug/L	4.57					
Zn	64	76.530293	292116.1	ug/L	6.159					
Cu	65	59.63306	222323.3	ug/L	5.02					
Zn	66	78.26777	174448.7	ug/L	6.635					
Zn	68	75.938392	122955.2	ug/L	6.786					
Ge	72	160199.2		ug/L						
As	75	2.749233	4408.712	ug/L	0.028					
Se	74	264.37922	3674.717	mg/L	103.189					
ArCl	77	1240.097		ug/L						

Br	79	392259.12	ug/L			
Br	81	437979.75	ug/L			
Y	89	489358.79	ug/L			
Mo	95	7.479079	30879.01	ug/L	0.205	
Rh	103	395425.55	ug/L			
Ag	107	0.246598	3600.422	ug/L	0.031	
Ag	109	0.2495	3460.362	ug/L	0.017	
Cd	111	1.020845	3286.627	ug/L	0.054	
Cd	114	0.987364	7730.365	ug/L	0.062	
In	115	537275.54	ug/L			
Sb	121	0.694632	8043.973	ug/L	0.041	
Sb	123	0.681334	6074.342	ug/L	0.043	
Ba	137	44.559395	231193.2	ug/L	0.897	
Ba	138	44.647459	1478807	ug/L	0.861	
Tb	159	659812.83	ug/L			
Ho	165	633360.47	ug/L			
Hg	200	0.018172	62.001	ug/L	0.004	
Hg	202	0.011673	64.668	ug/L	0.001	
Tl	205	0.098735	3282.625	ug/L	0.004	
Pb	208	1.837378	75288.91	ug/L	0.085	
Bi	209	429129.18	ug/L			
Se	77	3.671886	1212.081	mg/L	0.045	
Se	78	-1.053018	15016.25	mg/L	0.707	
Se	82	4.81011	930.667	mg/L	0.073	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	135.028							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.978
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.615
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.494
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102600.06
Sample Date/Time Tuesday August 30 2011 9:14:06
Autosampl Position: 123
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102600.06.18866
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7493.754		ug/L						
Be	9	0.009132	21.667	ug/L	0.009					
B	10	47.90518	4515.833	ug/L	1.275					
B	11	47.858847	22076.33	ug/L	0.955					
C	12	2605920.6		ug/L						
Na	23	37213.686	2.63E+08	ug/L	824.061					
Mg	24	2707.3171	12274818	ug/L	35.097					
Mg	25	2492.4723	1627539	ug/L	122.652					
Al	27	491.96076	3563225	ug/L	14.206					
Si	28	36314902		ug/L						
P	31	7547.6918	2690571	ug/L	166.608					
S	32	91563451		ug/L						
Cl	35	9916004.2		ug/L						
K	39	21417.987	2.42E+08	ug/L	416.901					
Ca	44	12277.305	4268393	ug/L	251.336					
Sc	45	206347.15		ug/L						
Ti	47	35.985718	33323.3	ug/L	0.412					
Ti	48	32.613313	304843.3	ug/L	8.003					
V	51	1.052561	54576.55	ug/L	0.082					
ClO	51	55376.032		ug/L						
Cr	52	2.714301	37824.43	ug/L	0.116					
Cr	53	0.90181	15054.61	ug/L	0.245					
Fe	54	1331.8954	1036213	ug/L	27.192					
Mn	55	58.354861	997147.9	ug/L	1.727					
Fe	56	1353.3464	21104323	ug/L	10.832					
Fe	57	1316.7551	413499	ug/L	26.154					
Co	59	0.207974	2843.14	ug/L	0.006					
Ni	60	0.958616	3015.53	ug/L	0.047					
Ni	62	1.243031	631.362	ug/L	0.216					
Cu	63	29.363221	191626.5	ug/L	0.987					
Zn	64	53.114939	172275.2	ug/L	1.784					
Cu	65	29.216536	92419.66	ug/L	0.962					
Zn	66	54.034969	102391.1	ug/L	0.798					
Zn	68	52.845445	72786.62	ug/L	1.243					
Ge	72	159035.11		ug/L						
As	75	2.720066	4326.803	ug/L	0.144					
Se	74	108.42136	13467.5	mg/L	0.836					
ArCl	77	934.724		ug/L						

Br		79	24083.124	ug/L					
Br		81	47665.447	ug/L					
Y		89	422829.88	ug/L					
Mo		95	2.020098	8359.926	ug/L	0.008			
Rh		103	412387.95	ug/L					
Ag		107	0.160882	2627.407	ug/L	0.018			
Ag		109	0.152592	2390.339	ug/L	0.022			
Cd		111	0.063551	237.339	ug/L	0.004			
Cd		114	0.02961	674.698	ug/L	0.003			
In		115	555538.73	ug/L					
Sb		121	0.596984	7263.974	ug/L	0.01			
Sb		123	0.600001	5607.017	ug/L	0.001			
Ba		137	11.88673	63813.83	ug/L	0.266			
Ba		138	12.07156	413676.4	ug/L	0.125			
Tb		159	670626.48	ug/L					
Ho		165	643364.45	ug/L					
Hg		200	0.096898	246.339	ug/L	0.001			
Hg		202	0.077358	266.673	ug/L	0.003			
Tl		205	0.006502	591.358	ug/L	0.001			
Pb		208	42.513258	1755454	ug/L	0.597			
Bi		209	514715.74	ug/L					
Se		77	1.490018	938.715	mg/L	0.03			
Se		78	2.381634	16459.89	mg/L	0.901			
Se		82	1.335328	251.904	mg/L	0.194			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	114.198							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.317
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.661
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.971
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102600.07
Sample Date/Time Tuesday August 30 2011 9:20:39
Autosampl Position: 124
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102600.07.18867
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6889.276		ug/L						
Be	9	0.005516	17.667	ug/L	0.016					
B	10	118.94722	9674.576	ug/L	1.358					
B	11	122.4841	48846.7	ug/L	0.384					
C	12	3033943.1		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	3987.1439	15792024	ug/L	11.764					
Mg	25	3667.584	2092471	ug/L	370.6					
Al	27	550.78639	3485423	ug/L	9.554					
Si	28	18900305		ug/L						
P	31	8745.5259	2722447	ug/L	42.309					
S	32	94476096		ug/L						
Cl	35	12339247		ug/L						
K	39	33874.87	3.33E+08	ug/L	1038.002					
Ca	44	22499.864	6788273	ug/L	206.991					
Sc	45	180227.68		ug/L						
Ti	47	25.290797	20521.03	ug/L	1.244					
Ti	48	18.660781	151076.7	ug/L	1.085					
V	51	0.761466	44444.83	ug/L	0.026					
ClO	51	45369.725		ug/L						
Cr	52	0.897981	16053.05	ug/L	0.028					
Cr	53	1.383053	13712.14	ug/L	0.148					
Fe	54	901.40551	629956.7	ug/L	3.641					
Mn	55	107.8594	1606967	ug/L	0.464					
Fe	56	957.0871	13901325	ug/L	20.186					
Fe	57	935.91292	259617.6	ug/L	8.827					
Co	59	0.465423	5413.332	ug/L	0.011					
Ni	60	2.912663	7871.485	ug/L	0.037					
Ni	62	3.178546	1336.112	ug/L	0.007					
Cu	63	75.835723	432179.6	ug/L	0.226					
Zn	64	134.29305	378976.1	ug/L	1.76					
Cu	65	75.051784	207324.8	ug/L	0.176					
Zn	66	138.20046	227765.9	ug/L	0.616					
Zn	68	134.86616	161389.3	ug/L	1.797					
Ge	72	158531.7		ug/L						
As	75	0.763956	1071.368	ug/L	0.091					
Se	74	60.397953	16443.86	mg/L	3					
ArCl	77	1137.749		ug/L						

Br	79	30804.114	ug/L				
Br	81	55837.177	ug/L				
Y	89	480371.82	ug/L				
Mo	95	0.87798	3683.116	ug/L	0.003		
Rh	103	414876.42	ug/L				
Ag	107	0.235054	3582.408	ug/L	0.006		
Ag	109	0.225724	3295.297	ug/L	0.008		
Cd	111	0.381323	1291.438	ug/L	0.001		
Cd	114	0.365598	3253.948	ug/L	0.014		
In	115	557285.74	ug/L				
Sb	121	0.540622	6674.517	ug/L	0.019		
Sb	123	0.542274	5141.361	ug/L	0.019		
Ba	137	58.946043	317267.5	ug/L	0.767		
Ba	138	60.394291	2075644	ug/L	2.847		
Tb	159	669593.63	ug/L				
Ho	165	646103.49	ug/L				
Hg	200	0.025837	81.335	ug/L	0.002		
Hg	202	0.021295	95.668	ug/L	0.005		
Tl	205	0.020936	1025.735	ug/L	0.002		
Pb	208	4.399011	183060.4	ug/L	0.034		
Bi	209	648617.21	ug/L				
Se	77	3.075857	1137.404	mg/L	0.015		
Se	78	0.868193	15823.77	mg/L	0.199		
Se	82	1.270055	239.153	mg/L	0.276		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.743							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.031
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.953
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.375
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102600.08
Sample Date/Time Tuesday August 30 2011 9:27:13
Autosampl Position: 125
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102600.08.18868
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6705.14		ug/L						
Be	9	0.011119	19.667	ug/L	0.008					
B	10	139.86172	11316.15	ug/L	2.724					
B	11	140.52381	55775.14	ug/L	2.412					
C	12	1118754.8		ug/L						
Na	23	59281.217	3.65E+08	ug/L	1261.001					
Mg	24	2793.6486	11020736	ug/L	69.588					
Mg	25	2513.5794	1428947	ug/L	47.588					
Al	27	342.57793	2157194	ug/L	49.306					
Si	28	19346096		ug/L						
P	31	2770.9238	865200	ug/L	41.78					
S	32	87502613		ug/L						
Cl	35	11108230		ug/L						
K	39	16152.785	1.59E+08	ug/L	675.988					
Ca	44	12597.323	3809717	ug/L	301.948					
Sc	45	179568.78		ug/L						
Ti	47	15.494557	12615.55	ug/L	0.175					
Ti	48	17.046022	137091	ug/L	0.659					
V	51	0.789452	44578.48	ug/L	0.086					
ClO	51	45145.273		ug/L						
Cr	52	1.344096	20148.8	ug/L	0.038					
Cr	53	1.411056	13687.43	ug/L	0.404					
Fe	54	1193.4221	813337.3	ug/L	46.644					
Mn	55	133.12425	1974468	ug/L	3.629					
Fe	56	1221.2782	16852282	ug/L	48.158					
Fe	57	1182.6587	323964.8	ug/L	85.418					
Co	59	1.062271	12157.58	ug/L	0.019					
Ni	60	2.844474	7658.301	ug/L	0.073					
Ni	62	2.838827	1194.09	ug/L	0.025					
Cu	63	36.182549	205481.7	ug/L	0.781					
Zn	64	61.991829	174809.1	ug/L	1.827					
Cu	65	35.635336	98074.51	ug/L	1.293					
Zn	66	63.595859	104745	ug/L	1.431					
Zn	68	61.795504	73974.5	ug/L	1.247					
Ge	72	157100.48		ug/L						
As	75	0.973333	1406.175	ug/L	0.004					
Se	74	85.029897	14761.81	mg/L	3.085					
ArCl	77	979.063		ug/L						

Br		79	21384.026	ug/L					
Br		81	43147.945	ug/L					
Y		89	435661.82	ug/L					
Mo		95	0.54052	2288.311	ug/L	0.008			
Rh		103	407217.31	ug/L					
Ag		107	0.348118	4909.708	ug/L	0			
Ag		109	0.328021	4445.464	ug/L	0			
Cd		111	0.205907	694.033	ug/L	0.004			
Cd		114	0.168295	1701.51	ug/L	0			
In		115	544681.7	ug/L					
Sb		121	0.37679	4784.974	ug/L	0.012			
Sb		123	0.3732	3644.041	ug/L	0.003			
Ba		137	29.29252	154133.2	ug/L	0.045			
Ba		138	29.395307	987354.9	ug/L	0.061			
Tb		159	660655.14	ug/L					
Ho		165	637246.4	ug/L					
Hg		200	0.014161	53.334	ug/L	0			
Hg		202	0.011851	65.668	ug/L	0.001			
Tl		205	0.008596	647.363	ug/L	0.001			
Pb		208	2.370117	97596.5	ug/L	0.035			
Bi		209	463267.62	ug/L					
Se		77	1.59645	952.05	mg/L	0.452			
Se		78	-0.50166	15248	mg/L	1.028			
Se		82	0.411475	71.438	mg/L	0.287			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.378							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.218
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.85
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.067
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102600.09
Sample Date/Time Tuesday August 30 2011 9:33:46
Autosampl Position: 126
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102600.09.18869
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6737.162		ug/L						
Be	9	-0.003355	14	ug/L	0.005					
B	10	246.17552	19379.5	ug/L	2.201					
B	11	248.66214	96083.05	ug/L	0.364					
C	12	1853302.7		ug/L						
Na	23	71427.002	4.29E+08	ug/L	717.135					
Mg	24	3148.5589	12124321	ug/L	13.619					
Mg	25	2870.254	1592589	ug/L	28.327					
Al	27	177.43082	1094386	ug/L	3.462					
Si	28	17075181		ug/L						
P	31	8699.2736	2632843	ug/L	10.961					
S	32	93133295		ug/L						
Cl	35	11254465		ug/L						
K	39	41958.386	4.01E+08	ug/L	85.946					
Ca	44	12750.741	3763401	ug/L	134.234					
Sc	45	175221.87		ug/L						
Ti	47	24.109986	19032.76	ug/L	0.185					
Ti	48	15.361632	120221.8	ug/L	0.166					
V	51	0.628426	41771.84	ug/L	0.047					
ClO	51	43209.892		ug/L						
Cr	52	0.778837	14521.93	ug/L	0.019					
Cr	53	1.447364	13403.68	ug/L	0.189					
Fe	54	505.22684	366114.3	ug/L	3.355					
Mn	55	89.451653	1296374	ug/L	0.766					
Fe	56	529.7082	8766792	ug/L	0.198					
Fe	57	505.42285	140694.4	ug/L	4.107					
Co	59	0.299066	3423.012	ug/L	0.003					
Ni	60	3.043185	7992.926	ug/L	0.065					
Ni	62	3.402878	1387.453	ug/L	0.255					
Cu	63	58.525009	324305.7	ug/L	0.158					
Zn	64	95.552431	262465	ug/L	0.983					
Cu	65	57.625233	154784.8	ug/L	0.305					
Zn	66	97.554142	156497.8	ug/L	0.401					
Zn	68	95.821495	111648.9	ug/L	0.297					
Ge	72	155927.22		ug/L						
As	75	4.348759	6899.075	ug/L	0.038					
Se	74	81.68154	14866.78	mg/L	45.923					
ArCl	77	1005.732		ug/L						

Br		79	24477.179	ug/L					
Br		81	47200.038	ug/L					
Y		89	453098.25	ug/L					
Mo		95	0.636486	2655.414	ug/L	0.004			
Rh		103	410439.47	ug/L					
Ag		107	0.091476	1713.179	ug/L	0.005			
Ag		109	0.084658	1532.478	ug/L	0			
Cd		111	0.153378	523.687	ug/L	0.001			
Cd		114	0.15341	1589.488	ug/L	0			
In		115	544539.93	ug/L					
Sb		121	0.325623	4240.367	ug/L	0.029			
Sb		123	0.3262	3259.097	ug/L	0.013			
Ba		137	50.393577	265054.1	ug/L	0.056			
Ba		138	50.114354	1682672	ug/L	0.023			
Tb		159	668669.79	ug/L					
Ho		165	644406.95	ug/L					
Hg		200	0.017907	62.668	ug/L	0.002			
Hg		202	0.009212	58.334	ug/L	0.001			
Tl		205	0.007818	631.695	ug/L	0			
Pb		208	1.386113	58017.96	ug/L	0.004			
Bi		209	467554.29	ug/L					
Se		77	1.415517	929.381	mg/L	0.286			
Se		78	0.332312	15598.53	mg/L	0.432			
Se		82	0.828659	152.931	mg/L	0.193			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.972							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.552
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.827
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	95.124
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Tuesday August 30 2011 9:40:14
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.1887
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6871.931		ug/L						
Be	9	0.00376	15.667	ug/L	0.015					
B	10	1.37561	178.337	ug/L	0.231					
B	11	1.448722	832.047	ug/L	0.292					
C	12	401476.34		ug/L						
Na	23	40.768489	243982.1	ug/L	0.614					
Mg	24	3.346606	12690.13	ug/L	0.163					
Mg	25	3.33485	1833.702	ug/L	0.257					
Al	27	0.854467	8978.674	ug/L	0.103					
Si	28	66892.316		ug/L						
P	31	10.089402	10947.68	ug/L	1.055					
S	32	86980413		ug/L						
Cl	35	8872623.7		ug/L						
K	39	11.106017	939568.1	ug/L	1.704					
Ca	44	-66.74596	32176.73	ug/L	0.423					
Sc	45	165868.87		ug/L						
Ti	47	0.006472	208.338	ug/L	0.028					
Ti	48	0.367643	-1017.94	ug/L	0.01					
V	51	0.300772	36183.26	ug/L	0.131					
ClO	51	37172.579		ug/L						
Cr	52	0.137392	8221.348	ug/L	0.015					
Cr	53	0.623375	11806.78	ug/L	0.25					
Fe	54	21.879229	62089.5	ug/L	11.817					
Mn	55	-0.115376	2168.28	ug/L	0.003					
Fe	56	44.451992	3194490	ug/L	2.76					
Fe	57	7.030371	10760.78	ug/L	1.738					
Co	59	0.039022	517.02	ug/L	0.001					
Ni	60	0.059437	208.004	ug/L	0.01					
Ni	62	0.066503	70.334	ug/L	0.025					
Cu	63	0.106026	722.036	ug/L	0.001					
Zn	64	0.118236	1284.759	ug/L	0.006					
Cu	65	0.103085	337.01	ug/L	0.007					
Zn	66	0.08164	718.369	ug/L	0.005					
Zn	68	0.053893	594.025	ug/L	0.001					
Ge	72	157021.79		ug/L						
As	75	-0.019003	-223.863	ug/L	0.014					
Se	74	57.240384	16484.39	mg/L	20.703					
ArCl	77	766.04		ug/L						

Br		79	2571.389	ug/L						
Br		81	23669.694	ug/L						
Y		89	413254.95	ug/L						
Mo		95	0.383243	1652.833	ug/L	0.011				
Rh		103	425198.54	ug/L						
Ag		107	0.134187	2352.329	ug/L	0.009				
Ag		109	0.140271	2303.65	ug/L	0.013				
Cd		111	0.037765	156.336	ug/L	0.001				
Cd		114	-0.010388	378.678	ug/L	0.001				
In		115	570142	ug/L						
Sb		121	0.328751	4472.478	ug/L	0.01				
Sb		123	0.314986	3314.414	ug/L	0.015				
Ba		137	0.061709	398.013	ug/L	0.003				
Ba		138	0.060298	2396.835	ug/L	0.001				
Tb		159	670182.94	ug/L						
Ho		165	639352.81	ug/L						
Hg		200	-0.001637	17	ug/L	0.002				
Hg		202	-0.003023	20.667	ug/L	0.003				
Tl		205	0.068784	2430.016	ug/L	0.002				
Pb		208	0.061377	3221.257	ug/L	0.001				
Bi		209	473515.21	ug/L						
Se		77	-0.191571	728.029	mg/L	0.361				
Se		78	-0.724963	15154.14	mg/L	0.7				
Se		82	0.071405	5.009	mg/L	0.129				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	91.796								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.174
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.097
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.378
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102600.05
Sample Date/Time Tuesday August 30 2011 9:47:16
Autosampl Position: 122
Sample Descriptior 1:01
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102600.05.18871
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7827.368		ug/L						
Be	9	0.08913	58.334	ug/L	0.022					
B	10	11.984654	1271.435	ug/L	0.469					
B	11	12.516231	6406.654	ug/L	0.577					
C	12	4994664.4		ug/L						
Na	23	39671.603	2.97E+08	ug/L	1567.137					
Mg	24	2757.8915	13231198	ug/L	152.982					
Mg	25	2507.7379	1733954	ug/L	118.38					
Al	27	247.63344	1901557	ug/L	10.28					
Si	28	23191424		ug/L						
P	31	4522.4252	1710611	ug/L	223.4					
S	32	92604608		ug/L						
Cl	35	6710004.2		ug/L						
K	39	3762.5672	45804795	ug/L	223.629					
Ca	44	31495.727	11486428	ug/L	1439.741					
Sc	45	218591.63		ug/L						
Ti	47	21.874509	21549.06	ug/L	0.769					
Ti	48	31.049906	307929.2	ug/L	1.557					
V	51	0.859462	55170.12	ug/L	0.176					
ClO	51	56145.412		ug/L						
Cr	52	11.38268	138324.7	ug/L	0.613					
Cr	53	7.828998	25673.79	ug/L	0.928					
Fe	54	16083.807	12523544	ug/L	974.15					
Mn	55	184.92789	3334370	ug/L	8.979					
Fe	56	15511.72	2.18E+08	ug/L	624.494					
Fe	57	16525.875	5355822	ug/L	752.157					
Co	59	0.463719	6534.079	ug/L	0.026					
Ni	60	3.824342	12502.72	ug/L	0.101					
Ni	62	3.535313	1794.862	ug/L	0.071					
Cu	63	34.558677	238781.4	ug/L	1.282					
Zn	64	44.517775	153074.4	ug/L	2.058					
Cu	65	34.181027	114447	ug/L	1.636					
Zn	66	45.569167	91510.85	ug/L	2.215					
Zn	68	44.860559	65525.97	ug/L	1.68					
Ge	72	160101.55		ug/L						
As	75	1.389242	2129.486	ug/L	0.018					
Se	74	169.30885	9682.745	mg/L	30.461					
ArCl	77	711.702		ug/L						

Br		79	195892.38	ug/L						
Br		81	229283.33	ug/L						
Y		89	446509.72	ug/L						
Mo		95	3.693262	15292.68	ug/L	0.147				
Rh		103	402332.3	ug/L						
Ag		107	0.064203	1366.783	ug/L	0.005				
Ag		109	0.071272	1365.45	ug/L	0.007				
Cd		111	0.501268	1641.831	ug/L	0.01				
Cd		114	0.467649	3924.553	ug/L	0.003				
In		115	541744.22	ug/L						
Sb		121	0.288208	3822.842	ug/L	0.011				
Sb		123	0.282398	2886.009	ug/L	0.011				
Ba		137	22.343412	116946.6	ug/L	0.015				
Ba		138	22.433849	749542	ug/L	0.142				
Tb		159	663686.65	ug/L						
Ho		165	633468.01	ug/L						
Hg		200	0.007746	38.334	ug/L	0.001				
Hg		202	0.003991	41.667	ug/L	0.001				
Tl		205	0.0485	1813.199	ug/L	0				
Pb		208	0.940952	38932.41	ug/L	0.022				
Bi		209	446989.27	ug/L						
Se		77	-0.234143	722.695	mg/L	0.331				
Se		78	-1.166143	14968.71	mg/L	0.325				
Se		82	2.648564	508.431	mg/L	0.068				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	120.974								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.923
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.36
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.51
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Tuesday August 30 2011 9:53:44
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.18872
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6814.553		ug/L						
Be	9	0.004071	15.667	ug/L	0.016					
B	10	0.243643	94.001	ug/L	0.177					
B	11	0.493819	481.684	ug/L	0.058					
C	12	413367.02		ug/L						
Na	23	39.473032	235765.8	ug/L	0.693					
Mg	24	3.440579	12987.26	ug/L	0.211					
Mg	25	3.455288	1890.386	ug/L	0.031					
Al	27	0.850007	8918.599	ug/L	0.02					
Si	28	69132.289		ug/L						
P	31	8.278621	10403.76	ug/L	6.475					
S	32	87901561		ug/L						
Cl	35	9020059.6		ug/L						
K	39	9.760771	923913.1	ug/L	1.309					
Ca	44	-72.02985	30604.49	ug/L	2.68					
Sc	45	165262.03		ug/L						
Ti	47	-0.006077	198.337	ug/L	0.017					
Ti	48	0.376755	-944.343	ug/L	0.014					
V	51	-0.011639	32863.97	ug/L	0.098					
ClO	51	33597.991		ug/L						
Cr	52	0.098518	7857.826	ug/L	0.005					
Cr	53	-0.338653	10739.11	ug/L	0.25					
Fe	54	36.512478	70486.88	ug/L	20.162					
Mn	55	-0.127549	1994.572	ug/L	0.003					
Fe	56	39.611299	3132306	ug/L	5.713					
Fe	57	17.044615	13174.2	ug/L	2.465					
Co	59	0.037799	502.352	ug/L	0.001					
Ni	60	0.06352	217.338	ug/L	0.001					
Ni	62	0.046535	62.668	ug/L	0.015					
Cu	63	0.099997	688.033	ug/L	0.005					
Zn	64	0.11011	1259.093	ug/L	0.004					
Cu	65	0.093682	312.008	ug/L	0.008					
Zn	66	0.093757	734.037	ug/L	0.007					
Zn	68	0.045677	583.025	ug/L	0.025					
Ge	72	156514.62		ug/L						
As	75	0.06029	-93.959	ug/L	0.053					
Se	74	63.275016	16052.85	mg/L	9.094					
ArCl	77	646.029		ug/L						

Br	79	2531.711	ug/L						
Br	81	23936.385	ug/L						
Y	89	408394.09	ug/L						
Mo	95	0.384593	1653.167	ug/L	0.009				
Rh	103	423726.3	ug/L						
Ag	107	0.125858	2167.613	ug/L	0.007				
Ag	109	0.128294	2079.592	ug/L	0.01				
Cd	111	0.03846	153.336	ug/L	0.003				
Cd	114	-0.013957	339.343	ug/L	0.002				
In	115	551401.13	ug/L						
Sb	121	0.325148	4288.388	ug/L	0				
Sb	123	0.312691	3189.114	ug/L	0.014				
Ba	137	0.061793	385.012	ug/L	0.003				
Ba	138	0.063142	2413.819	ug/L	0.002				
Tb	159	658611.77	ug/L						
Ho	165	631086.12	ug/L						
Hg	200	-0.000202	20	ug/L	0.001				
Hg	202	-0.002045	23.334	ug/L	0.001				
Tl	205	0.067523	2361.33	ug/L	0.002				
Pb	208	0.058341	3055.896	ug/L	0.002				
Bi	209	464892.7	ug/L						
Se	77	-0.542784	684.026	mg/L	0.617				
Se	78	-0.454481	15267.83	mg/L	0.06				
Se	82	0.34471	58.396	mg/L	0.032				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.46							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.886
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.971
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.158
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Tuesday August 30 2011 10:00:39
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.18873
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6575.714		ug/L						
Be	9	74.721358	24890.28	ug/L	0.285					
B	10	77.538373	5755.546	ug/L	0.948					
B	11	80.677898	29333.54	ug/L	0.057					
C	12	386463.11		ug/L						
Na	23	109.7765	627921	ug/L	2.341					
Mg	24	113.16287	407673.9	ug/L	0.672					
Mg	25	108.62605	56403.43	ug/L	2.1					
Al	27	107.09804	618875.2	ug/L	0.476					
Si	28	209286.02		ug/L						
P	31	5.865291	9619.472	ug/L	6.35					
S	32	85731673		ug/L						
Cl	35	8651313.2		ug/L						
K	39	1144.5741	11028154	ug/L	0.137					
Ca	44	23.602706	56329.63	ug/L	3.691					
Sc	45	163740.1		ug/L						
Ti	47	100.65024	73610.23	ug/L	0.671					
Ti	48	102.12995	768261.7	ug/L	0.648					
V	51	96.155177	1004208	ug/L	0.11					
ClO	51	1015940.3		ug/L						
Cr	52	97.523219	836226.5	ug/L	1.572					
Cr	53	92.503326	108545.3	ug/L	1.291					
Fe	54	129.47555	123797.1	ug/L	10.5					
Mn	55	95.01036	1286502	ug/L	0.456					
Fe	56	148.39512	4232866	ug/L	9.834					
Fe	57	110.05865	35603.15	ug/L	2.896					
Co	59	95.964356	992184.8	ug/L	0.001					
Ni	60	87.051412	211990.7	ug/L	0.348					
Ni	62	88.433712	32565.89	ug/L	0.395					
Cu	63	94.893337	491281.7	ug/L	0.592					
Zn	64	85.753283	220214	ug/L	0.85					
Cu	65	94.964466	238314.3	ug/L	0.461					
Zn	66	86.74642	130104.8	ug/L	1.33					
Zn	68	85.607835	93267.28	ug/L	1.136					
Ge	72	156229.66		ug/L						
As	75	100.88073	164606.2	ug/L	3.103					
Se	74	83.95378	14743.87	mg/L	35.345					
ArCl	77	12820.164		ug/L						

Br	79	2368.667	ug/L			
Br	81	23014.659	ug/L			
Y	89	409251.67	ug/L			
Mo	95	96.124999	385785.6	ug/L	3.519	
Rh	103	411966.28	ug/L			
Ag	107	42.388533	540601.5	ug/L	2.635	
Ag	109	43.80842	537242	ug/L	6.096	
Cd	111	95.869507	317799.9	ug/L	0.174	
Cd	114	97.575327	748993.6	ug/L	0.41	
In	115	557318.13	ug/L			
Sb	121	90.977052	989548.9	ug/L	5.255	
Sb	123	90.845077	760410.7	ug/L	5.061	
Ba	137	102.88703	553793.7	ug/L	0.103	
Ba	138	108.37994	3724125	ug/L	0.111	
Tb	159	671630.41	ug/L			
Ho	165	642683.86	ug/L			
Hg	200	0.960678	2253.635	ug/L	0.016	
Hg	202	0.947737	2924.5	ug/L	0.036	
Tl	205	107.52404	3197452	ug/L	2.198	
Pb	208	100.27016	4135143	ug/L	0.835	
Bi	209	464713.27	ug/L			
Se	77	95.369662	12700.87	mg/L	3.692	
Se	78	92.977204	54538.63	mg/L	0.925	
Se	82	86.334146	16855.57	mg/L	2.563	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	73.982							
|	B	77.306							
|	B	80.437							
|	C								
|	Na	108.368							
|	Mg	112.042							
|	Mg	107.551							
|	Al	106.671							
|	Si								
|	P								
|	S								
|	Cl								
|	K	114.115							
|	Ca	23.392							
|>	Sc	90.618							
|	Ti	100.65							
|	Ti	102.13							
|	V	95.772							
|	ClO								
|	Cr	96.558							

	Cr	91.587
	Fe	128.703
	Mn	94.632
	Fe	147.51
	Fe	109.402
	Co	95.392
	Ni	86.361
	Ni	87.732
	Cu	94.988
	Zn	85.157
	Cu	95.06
	Zn	86.143
-	Zn	85.013
>	Ge	88.724
	As	101.49
	Se	83.786
	ArCl	
	Br	
	Br	
	Y	
-	Mo	95.837
-	Rh	
	Ag	42.052
	Ag	43.461
	Cd	95.393
	Cd	97.09
>	In	92.958
	Sb	90.705
	Sb	90.573
	Ba	102.172
-	Ba	107.627
-	Tb	
>	Ho	94.87
	Hg	96.068
	Hg	94.774
	Tl	107.524
	Pb	100.27
-	Bi	
	Se	95.179
	Se	92.792
	Se	86.162

Sample ID: QC Std 5
Sample Date/Time Tuesday August 30 2011 10:07:34
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.18874
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6655.769		ug/L						
Be	9	31.322544	10741.12	ug/L	0.271					
B	10	128.33117	9747.325	ug/L	5.891					
B	11	130.40885	48580.34	ug/L	4.81					
C	12	390356.43		ug/L						
Na	23	11.057399	76320.08	ug/L	0.31					
Mg	24	1.429515	5789.091	ug/L	0.079					
Mg	25	1.523823	896.801	ug/L	0.143					
Al	27	188.56576	1117754	ug/L	2.728					
Si	28	108845.29		ug/L						
P	31	4.020733	9359.089	ug/L	1.317					
S	32	86636604		ug/L						
Cl	35	8102814		ug/L						
K	39	3.105466	880725.6	ug/L	0.93					
Ca	44	-81.20051	28631.21	ug/L	0.021					
Sc	45	168434.05		ug/L						
Ti	47	0.16071	327.343	ug/L	0.08					
Ti	48	0.541055	315.513	ug/L	0.055					
V	51	23.567302	278569	ug/L	0.198					
ClO	51	285120.97		ug/L						
Cr	52	47.964313	426685.2	ug/L	0.287					
Cr	53	44.066198	59113.16	ug/L	0.377					
Fe	54	212.10209	176734.4	ug/L	5.636					
Mn	55	101.67365	1415877	ug/L	1.338					
Fe	56	219.75484	5116326	ug/L	0.394					
Fe	57	187.73497	55997.53	ug/L	4.034					
Co	59	22.489179	239264.4	ug/L	0.132					
Ni	60	176.54148	442170.7	ug/L	1.335					
Ni	62	177.33219	67127.26	ug/L	0.943					
Cu	63	73.823264	393187.4	ug/L	0.117					
Zn	64	88.541075	233858.8	ug/L	0.443					
Cu	65	73.282468	189192.6	ug/L	0.148					
Zn	66	89.329201	137798.3	ug/L	1.535					
Zn	68	89.637871	100429.4	ug/L	1.571					
Ge	72	155148.73		ug/L						
As	75	43.625436	70582.18	ug/L	0.654					
Se	74	57.357727	16277.03	mg/L	21.979					
ArCl	77	20335.26		ug/L						

Br	79	2086.928	ug/L			
Br	81	23781.971	ug/L			
Y	89	411900.9	ug/L			
Mo	95	43.269457	172543.1	ug/L	2.133	
Rh	103	427209.02	ug/L			
Ag	107	48.22925	611030.4	ug/L	4.185	
Ag	109	42.032579	511978.5	ug/L	1.897	
Cd	111	22.85528	75319.82	ug/L	0.418	
Cd	114	23.162647	177041.7	ug/L	0.482	
In	115	553977.88	ug/L			
Sb	121	49.706536	537552.9	ug/L	1.395	
Sb	123	49.637853	413074	ug/L	1.876	
Ba	137	148.77087	795823.8	ug/L	2.709	
Ba	138	154.23909	5266808	ug/L	4.528	
Tb	159	673175.58	ug/L			
Ho	165	643849.52	ug/L			
Hg	200	1.061704	2493.033	ug/L	0.022	
Hg	202	1.024804	3165.916	ug/L	0.036	
Tl	205	13.966603	416462.1	ug/L	0.016	
Pb	208	106.07218	4382435	ug/L	0.47	
Bi	209	473687.27	ug/L			
Se	77	150.08138	19555.69	mg/L	5.053	
Se	78	150.82657	78853.62	mg/L	5.992	
Se	82	142.26261	27780.64	mg/L	1.336	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	73.527							
|	B	80.207							
|	B	81.506							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	107.14							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.216							
|	Ti								
|	Ti								
|	V	94.648							
|	ClO								
|	Cr	97.488							

	Cr	89.565
	Fe	118.493
	Mn	95.919
	Fe	122.768
	Fe	104.88
	Co	96.52
	Ni	86.54
	Ni	86.928
	Cu	94.403
	Zn	84.325
	Cu	93.712
	Zn	85.075
-	Zn	85.369
>	Ge	88.11
	As	110.724
	Se	35.849
	ArCl	
	Br	
	Br	
	Y	
-	Mo	103.268
-	Rh	
	Ag	95.883
	Ag	83.564
	Cd	98.514
	Cd	99.839
>	In	92.401
	Sb	106.896
	Sb	106.748
	Ba	105.511
-	Ba	109.389
-	Tb	
>	Ho	95.042
	Hg	106.17
	Hg	102.48
	Tl	98.356
	Pb	101.992
-	Bi	
	Se	93.801
	Se	94.267
	Se	88.914

Sample ID: QC Std 6
Sample Date/Time Tuesday August 30 2011 10:14:28
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18875
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6749.171		ug/L						
Be	9	-0.019981	8.333	ug/L	0.011					
B	10	0.293944	106.335	ug/L	0.003					
B	11	0.579055	558.356	ug/L	0.003					
C	12	391876.87		ug/L						
Na	23	10339.123	63750264	ug/L	8.774					
Mg	24	10536.877	41675863	ug/L	125.534					
Mg	25	10488.197	5975889	ug/L	150.745					
Al	27	10889.451	68714561	ug/L	120.693					
Si	28	54176.538		ug/L						
P	31	11393.431	3538870	ug/L	26.944					
S	32	83513132		ug/L						
Cl	35	7384220.6		ug/L						
K	39	10208.214	1.01E+08	ug/L	139.119					
Ca	44	10104.681	3074506	ug/L	30.087					
Sc	45	179961.46		ug/L						
Ti	47	24.38326	19761.32	ug/L	0.631					
Ti	48	6.573978	50467.17	ug/L	0.086					
V	51	-0.608849	29162	ug/L	0.005					
ClO	51	29614.789		ug/L						
Cr	52	0.069543	8285.318	ug/L	0.01					
Cr	53	-2.095279	9659.226	ug/L	0.072					
Fe	54	10544.088	6787378	ug/L	32.634					
Mn	55	-0.146129	1894.55	ug/L	0.01					
Fe	56	10397.684	1.22E+08	ug/L	18.147					
Fe	57	10811.641	2891295	ug/L	45.992					
Co	59	0.030437	463.016	ug/L	0.003					
Ni	60	0.250682	737.371	ug/L	0.004					
Ni	62	0.09025	86.001	ug/L	0.014					
Cu	63	0.201345	1325.11	ug/L	0.008					
Zn	64	0.452933	2333.958	ug/L	0.019					
Cu	65	0.125554	427.681	ug/L	0.006					
Zn	66	0.412655	1322.109	ug/L	0.028					
Zn	68	0.301984	940.058	ug/L	0.014					
Ge	72	154413.96		ug/L						
As	75	0.043587	-119.395	ug/L	0.019					
Se	74	168.72088	9359.068	mg/L	39.51					
ArCl	77	651.697		ug/L						

Br	79	2261.638	ug/L			
Br	81	22888.008	ug/L			
Y	89	413577.6	ug/L			
Mo	95	0.310077	1333.778	ug/L	0.036	
Rh	103	399086.52	ug/L			
Ag	107	0.347516	4866.694	ug/L	0.046	
Ag	109	0.348171	4652.915	ug/L	0.051	
Cd	111	0.010143	59.334	ug/L	0.001	
Cd	114	-0.034463	180.004	ug/L	0.002	
In	115	540452.4	ug/L			
Sb	121	0.868316	9928.861	ug/L	0.046	
Sb	123	0.854811	7523.118	ug/L	0.056	
Ba	137	0.056545	350.01	ug/L	0.004	
Ba	138	0.056668	2150.606	ug/L	0	
Tb	159	654345.18	ug/L			
Ho	165	631927.27	ug/L			
Hg	200	0.015077	55.001	ug/L	0.003	
Hg	202	0.009569	58.334	ug/L	0.006	
Tl	205	0.009995	683.366	ug/L	0.003	
Pb	208	0.03772	2224.797	ug/L	0.001	
Bi	209	458645.85	ug/L			
Se	77	-0.234143	722.695	mg/L	0.361	
Se	78	-0.576773	15216.43	mg/L	0.279	
Se	82	0.318259	53.229	mg/L	0.142	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	103.391							
|	Mg	105.369							
|	Mg	104.882							
|	Al	108.895							
|	Si								
|	P	113.934							
|	S								
|	Cl								
|	K	102.082							
|	Ca	101.047							
|>	Sc	99.595							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	105.441
|	Mn	
|	Fe	103.977
|	Fe	108.116
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	87.693
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	90.145
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	93.282
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 10:25:49
Autosampl Position: 127
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18876
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6678.452		ug/L						
Be	9	-0.01478	9.333	ug/L	0.009					
B	10	-0.055253	71.668	ug/L	0.04					
B	11	0.167196	362.344	ug/L	0.027					
C	12	373578.15		ug/L						
Na	23	5.368171	42573.73	ug/L	0.143					
Mg	24	0.63399	2784.038	ug/L	0.026					
Mg	25	0.627902	410.05	ug/L	0.077					
Al	27	0.605116	7480.493	ug/L	0.053					
Si	28	52935.644		ug/L						
P	31	-0.216431	7957.61	ug/L	0.245					
S	32	88407544		ug/L						
Cl	35	8856073.7		ug/L						
K	39	3.068364	861735.2	ug/L	1.533					
Ca	44	-87.19383	26384.2	ug/L	1.969					
Sc	45	164876.38		ug/L						
Ti	47	-0.038969	173.67	ug/L	0.011					
Ti	48	0.339701	-1224.8	ug/L	0.001					
V	51	-0.060966	32290.57	ug/L	0.018					
ClO	51	32991.419		ug/L						
Cr	52	0.12623	8076.991	ug/L	0.001					
Cr	53	-0.498043	10546.55	ug/L	0.094					
Fe	54	9.635938	54528.44	ug/L	1.597					
Mn	55	-0.199207	1015.4	ug/L	0.002					
Fe	56	40.988708	3138960	ug/L	3.85					
Fe	57	5.014366	10203.41	ug/L	1.117					
Co	59	0.004967	159.336	ug/L	0.002					
Ni	60	0.015871	100.002	ug/L	0.006					
Ni	62	0.016177	51.334	ug/L	0.025					
Cu	63	0.022561	282.674	ug/L	0.004					
Zn	64	0.168162	1405.592	ug/L	0.011					
Cu	65	0.019197	123.002	ug/L	0.002					
Zn	66	0.14083	803.043	ug/L	0.002					
Zn	68	0.074868	613.36	ug/L	0.001					
Ge	72	155169.05		ug/L						
As	75	-0.006269	-200.533	ug/L	0.032					
Se	74	84.84935	14589.69	mg/L	48.454					
ArCl	77	667.698		ug/L						

Br	79	1569.485	ug/L						
Br	81	23724.155	ug/L						
Y	89	413636.88	ug/L						
Mo	95	0.196728	890.052	ug/L	0.007				
Rh	103	433190.11	ug/L						
Ag	107	0.124107	2201.956	ug/L	0.012				
Ag	109	0.123471	2074.591	ug/L	0.011				
Cd	111	0.002776	37.334	ug/L	0.001				
Cd	114	-0.044699	108.668	ug/L	0				
In	115	565809.81	ug/L						
Sb	121	0.330696	4461.473	ug/L	0.008				
Sb	123	0.322964	3358.637	ug/L	0.01				
Ba	137	0.01124	119.002	ug/L	0.002				
Ba	138	0.010573	643.511	ug/L	0				
Tb	159	666768.45	ug/L						
Ho	165	640582.49	ug/L						
Hg	200	0.00196	25.334	ug/L	0.001				
Hg	202	-0.001956	24	ug/L	0				
Tl	205	0.007569	620.694	ug/L	0.001				
Pb	208	0.009492	1095.037	ug/L	0.001				
Bi	209	455427.11	ug/L						
Se	77	-0.744996	658.691	mg/L	0.813				
Se	78	0.26626	15570.77	mg/L	0.634				
Se	82	0.146438	19.666	mg/L	0.048				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.247							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.121
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.374
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.56
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.02
Sample Date/Time Tuesday August 30 2011 10:32:22
Autosampl Position: 128
Sample Description Aqtot 1:10 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.02.18877
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6591.723		ug/L						
Be	9	-0.026829	5.333	ug/L	0.011					
B	10	26.53625	2043.583	ug/L	0.322					
B	11	27.978719	10493.16	ug/L	0.303					
C	12	412276.62		ug/L						
Na	23	12505.17	70999260	ug/L	115.923					
Mg	24	1725.4318	6283662	ug/L	20.5					
Mg	25	1597.6798	838401.2	ug/L	31.163					
Al	27	3.211951	22670.73	ug/L	0.489					
Si	28	1931356.1		ug/L						
P	31	0.355474	8161.144	ug/L	0.29					
S	32	85365160		ug/L						
Cl	35	8391890.7		ug/L						
K	39	955.57398	9456138	ug/L	22.241					
Ca	44	3797.3214	1095394	ug/L	25.455					
Sc	45	165711.35		ug/L						
Ti	47	0.089907	269.673	ug/L	0.019					
Ti	48	3.053697	19532.29	ug/L	0.015					
V	51	-0.10124	32042.69	ug/L	0.004					
ClO	51	32915.476		ug/L						
Cr	52	0.103507	7922.356	ug/L	0.002					
Cr	53	-0.550123	10544.22	ug/L	0.067					
Fe	54	143.00884	133239.2	ug/L	0.633					
Mn	55	261.95767	3583158	ug/L	1.431					
Fe	56	182.65115	4643837	ug/L	9.518					
Fe	57	153.62529	46721.19	ug/L	8.669					
Co	59	0.506768	5410.33	ug/L	0.006					
Ni	60	0.679737	1736.183	ug/L	0.007					
Ni	62	0.599497	268.673	ug/L	0.021					
Cu	63	0.254849	1500.806	ug/L	0.003					
Zn	64	0.532288	2355.035	ug/L	0.019					
Cu	65	0.148014	450.682	ug/L	0.004					
Zn	66	0.536152	1404.456	ug/L	0.002					
Zn	68	0.629029	1224.095	ug/L	0.05					
Ge	72	152877.42		ug/L						
As	75	0.952554	1335.487	ug/L	0.052					
Se	74	67.750782	15419.88	mg/L	33.598					
ArCl	77	672.032		ug/L						

Br	79	25320.814	ug/L						
Br	81	47020.8	ug/L						
Y	89	408998.12	ug/L						
Mo	95	1.399414	5598.78	ug/L	0.017				
Rh	103	406334.26	ug/L						
Ag	107	0.040146	1075.741	ug/L	0.007				
Ag	109	0.040729	1007.733	ug/L	0.001				
Cd	111	0.002584	35.334	ug/L	0				
Cd	114	-0.04547	99.002	ug/L	0.002				
In	115	544943.94	ug/L						
Sb	121	0.153646	2417.347	ug/L	0.015				
Sb	123	0.160194	1904.419	ug/L	0.005				
Ba	137	4.939849	26047.19	ug/L	0.09				
Ba	138	4.957641	166803.4	ug/L	0.067				
Tb	159	656198.09	ug/L						
Ho	165	635305.93	ug/L						
Hg	200	0.000874	22.667	ug/L	0.003				
Hg	202	-0.001668	24.667	ug/L	0.001				
Tl	205	-0.001174	358.344	ug/L	0.001				
Pb	208	0.005225	912.36	ug/L	0				
Bi	209	447183.91	ug/L						
Se	77	-0.702426	664.024	mg/L	0.482				
Se	78	-1.500833	14828.03	mg/L	0.542				
Se	82	0.494346	87.626	mg/L	0.097				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.709							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	86.82
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.894
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.781
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.03
Sample Date/Time Tuesday August 30 2011 10:38:55
Autosampl Position: 129
Sample Description Aqtot 1:10 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.03.18878
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6654.437		ug/L						
Be	9	-0.015354	9.333	ug/L	0.011					
B	10	21.163279	1667.836	ug/L	0.085					
B	11	22.164387	8491.049	ug/L	0.16					
C	12	431865.45		ug/L						
Na	23	10538.126	60655852	ug/L	38.434					
Mg	24	1386.7759	5119661	ug/L	25.173					
Mg	25	1285.0105	683593.8	ug/L	20.779					
Al	27	0.543428	7260.294	ug/L	0.057					
Si	28	2962482.1		ug/L						
P	31	33.319843	17805.87	ug/L	1.618					
S	32	89283284		ug/L						
Cl	35	8831849.1		ug/L						
K	39	871.599	8818335	ug/L	11.431					
Ca	44	2514.5983	752581.3	ug/L	75.678					
Sc	45	167989.96		ug/L						
Ti	47	0.140839	311.342	ug/L	0.053					
Ti	48	2.16785	12933.61	ug/L	0.115					
V	51	-0.042133	33094.8	ug/L	0.037					
ClO	51	34015.191		ug/L						
Cr	52	0.089208	7906.079	ug/L	0.017					
Cr	53	-0.353863	10901.64	ug/L	0.057					
Fe	54	881.29756	575206.7	ug/L	2.719					
Mn	55	44.53969	620746.3	ug/L	0.334					
Fe	56	922.99893	12593768	ug/L	32.705					
Fe	57	858.37682	222689.8	ug/L	3.771					
Co	59	0.008864	203.671	ug/L	0.001					
Ni	60	0.510785	1338.112	ug/L	0.003					
Ni	62	0.432517	209.338	ug/L	0.016					
Cu	63	0.136506	893.053	ug/L	0.002					
Zn	64	0.296921	1769.947	ug/L	0.001					
Cu	65	0.041746	183.337	ug/L	0.005					
Zn	66	0.283541	1036.736	ug/L	0.015					
Zn	68	0.398557	984.73	ug/L	0.009					
Ge	72	154942.62		ug/L						
As	75	0.464588	562.744	ug/L	0.02					
Se	74	104.05669	13369.55	mg/L	78.239					
ArCl	77	678.699		ug/L						

Br	79	22286.86	ug/L				
Br	81	45783.458	ug/L				
Y	89	418512.73	ug/L				
Mo	95	0.324808	1398.455	ug/L	0.002		
Rh	103	426091.93	ug/L				
Ag	107	0.024143	882.052	ug/L	0.004		
Ag	109	0.027459	855.049	ug/L	0.001		
Cd	111	-0.001381	22.667	ug/L	0.002		
Cd	114	-0.0508	59.334	ug/L	0		
In	115	549024.7	ug/L				
Sb	121	0.113253	2001.907	ug/L	0.01		
Sb	123	0.112082	1522.046	ug/L	0.004		
Ba	137	7.080799	37597.63	ug/L	0.022		
Ba	138	7.115857	241119.5	ug/L	0.061		
Tb	159	661824.75	ug/L				
Ho	165	634373.05	ug/L				
Hg	200	0.000314	21.334	ug/L	0.001		
Hg	202	-0.001313	25.667	ug/L	0.002		
Tl	205	-0.004264	267.34	ug/L	0.001		
Pb	208	0.001392	755.02	ug/L	0		
Bi	209	442543.61	ug/L				
Se	77	-0.63857	672.025	mg/L	0.06		
Se	78	-1.409074	14866.6	mg/L	0.574		
Se	82	0.251813	40.25	mg/L	0.136		

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.97							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.993
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.575
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.643
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.11
Sample Date/Time Tuesday August 30 2011 10:45:28
Autosampl Position: 130
Sample Description Aqtot 1:10 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.11.18879
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6645.095		ug/L						
Be	9	-0.022611	6.667	ug/L	0.006					
B	10	4.452604	402.013	ug/L	0.101					
B	11	4.959504	2087.928	ug/L	0.264					
C	12	438625.14		ug/L						
Na	23	27084.132	1.52E+08	ug/L	208.446					
Mg	24	385.55995	1389573	ug/L	8.443					
Mg	25	380.21187	197457.8	ug/L	10.048					
Al	27	1.898119	14873.64	ug/L	0.023					
Si	28	2441314.3		ug/L						
P	31	7.509811	10096.62	ug/L	0.923					
S	32	88559988		ug/L						
Cl	35	8713127.7		ug/L						
K	39	732.11402	7363109	ug/L	5.103					
Ca	44	544.21222	198138.9	ug/L	9.104					
Sc	45	163968.26		ug/L						
Ti	47	0.058548	244.006	ug/L	0.021					
Ti	48	0.756064	1935.018	ug/L	0.026					
V	51	0.000377	32732.48	ug/L	0.022					
ClO	51	33799.387		ug/L						
Cr	52	0.138656	8138.237	ug/L	0.002					
Cr	53	-0.097623	10910.32	ug/L	0.113					
Fe	54	34.761657	68836.61	ug/L	3.993					
Mn	55	6.654794	93671.72	ug/L	0.091					
Fe	56	66.487605	3386728	ug/L	3.167					
Fe	57	29.358885	16062.47	ug/L	3.132					
Co	59	0.01268	238.339	ug/L	0					
Ni	60	0.670008	1694.175	ug/L	0.003					
Ni	62	0.644175	282.341	ug/L	0.023					
Cu	63	0.298599	1711.512	ug/L	0.009					
Zn	64	0.929782	3347.513	ug/L	0.026					
Cu	65	0.055535	213.671	ug/L	0.003					
Zn	66	0.931633	1980.902	ug/L	0.01					
Zn	68	0.961288	1571.152	ug/L	0.067					
Ge	72	155150.09		ug/L						
As	75	0.23147	185.249	ug/L	0.018					
Se	74	122.22657	12279.64	mg/L	55.64					
ArCl	77	740.704		ug/L						

Br		79	57145.004	ug/L					
Br		81	81721.537	ug/L					
Y		89	407713.89	ug/L					
Mo		95	0.043985	281.341	ug/L	0.004			
Rh		103	412040.17	ug/L					
Ag		107	0.015378	768.373	ug/L	0.001			
Ag		109	0.01555	708.035	ug/L	0.001			
Cd		111	-0.002479	19	ug/L	0.002			
Cd		114	-0.049745	67.001	ug/L	0			
In		115	546393.47	ug/L					
Sb		121	0.095103	1799.196	ug/L	0.01			
Sb		123	0.091227	1343.974	ug/L	0.008			
Ba		137	3.730292	19737.6	ug/L	0.036			
Ba		138	3.757281	126830.3	ug/L	0.01			
Tb		159	669277.68	ug/L					
Ho		165	642243.46	ug/L					
Hg		200	-0.001093	18.334	ug/L	0.001			
Hg		202	-0.001747	24.667	ug/L	0.001			
Tl		205	-0.004848	253.339	ug/L	0.001			
Pb		208	0.021135	1577.403	ug/L	0.002			
Bi		209	446470.82	ug/L					
Se		77	-0.159643	732.03	mg/L	0.467			
Se		78	-1.080157	15004.85	mg/L	0.481			
Se		82	0.824392	152.097	mg/L	0.017			

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.744							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.111
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.136
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.805
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.01
Sample Date/Time Tuesday August 30 2011 10:52:02
Autosampl Position: 131
Sample Description Aqtot 1:01 Na + Ca
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.01.18880
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6498.322		ug/L						
Be	9	-0.024186	7.667	ug/L	0.011					
B	10	99.982995	9366.249	ug/L	5.845					
B	11	104.39153	47938.21	ug/L	5.397					
C	12	590138.78		ug/L						
Na	23	27872.6	1.98E+08	ug/L	1049.565					
Mg	24	11858.918	54035045	ug/L	484.836					
Mg	25	11864.794	7788320	ug/L	578.344					
Al	27	17.601283	133115.2	ug/L	0.053					
Si	28	15092641		ug/L						
P	31	16.212857	15905.55	ug/L	1.708					
S	32	88884336		ug/L						
Cl	35	5520649.6		ug/L						
K	39	7946.0548	90728796	ug/L	283.134					
Ca	44	28774.093	9962199	ug/L	2039.977					
Sc	45	207567.42		ug/L						
Ti	47	1.364168	1514.808	ug/L	0.045					
Ti	48	16.004148	148679.3	ug/L	0.436					
V	51	-0.536273	34518.76	ug/L	0.135					
ClO	51	35656.814		ug/L						
Cr	52	0.397109	13075.83	ug/L	0.044					
Cr	53	-3.613136	9098.976	ug/L	0.394					
Fe	54	20101.391	14840577	ug/L	1420.132					
Mn	55	472.83157	8084554	ug/L	28.547					
Fe	56	20278.342	2.7E+08	ug/L	1427.086					
Fe	57	21043.486	6470596	ug/L	1136.458					
Co	59	1.225676	16180.22	ug/L	0.052					
Ni	60	2.736049	8508.065	ug/L	0.157					
Ni	62	2.306611	1130.415	ug/L	0.156					
Cu	63	0.392256	2779.453	ug/L	0.011					
Zn	64	3.548947	12711.66	ug/L	0.181					
Cu	65	0.181163	668.698	ug/L	0.015					
Zn	66	3.434706	7229.947	ug/L	0.309					
Zn	68	4.332964	6608.467	ug/L	0.311					
Ge	72	154035.36		ug/L						
As	75	64.471101	103653.4	ug/L	0.483					
Se	74	200.20182	7435.666	mg/L	20.531					
ArCl	77	626.361		ug/L						

Br	79	175647.7	ug/L						
Br	81	207477.95	ug/L						
Y	89	424928.31	ug/L						
Mo	95	0.350837	1493.138	ug/L	0.01				
Rh	103	401300.76	ug/L						
Ag	107	0.02913	928.723	ug/L	0.003				
Ag	109	0.025303	815.045	ug/L	0.001				
Cd	111	0.002482	34.667	ug/L	0.001				
Cd	114	-0.040882	132.002	ug/L	0.001				
In	115	539760.65	ug/L						
Sb	121	0.192898	2805.795	ug/L	0.012				
Sb	123	0.195591	2172.428	ug/L	0.01				
Ba	137	52.000636	271104	ug/L	0.01				
Ba	138	51.277883	1706641	ug/L	0.245				
Tb	159	662917.11	ug/L						
Ho	165	631411.52	ug/L						
Hg	200	-0.000367	19.667	ug/L	0				
Hg	202	-0.002283	22.667	ug/L	0.001				
Tl	205	0.003541	494.018	ug/L	0.001				
Pb	208	0.041924	2393.482	ug/L	0.002				
Bi	209	443372.58	ug/L						
Se	77	-1.074923	617.354	mg/L	0.406				
Se	78	-1.731524	14731.07	mg/L	0.672				
Se	82	2.493373	478.116	mg/L	0.119				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	114.873							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.478
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.03
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.206
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04
Sample Date/Time Tuesday August 30 2011 10:58:35
Autosampl Position: 132
Sample Description Aqtot 1:01 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.04.18881
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9101.888		ug/L						
Be	9	-0.01444	10.333	ug/L	0.006					
B	10	97.160524	7911.854	ug/L	0.485					
B	11	101.09443	40343.73	ug/L	1.868					
C	12	555613.23		ug/L						
Na	23	42476.65	2.62E+08	ug/L	587.545					
Mg	24	10904.633	43155971	ug/L	217.859					
Mg	25	10661.718	6080118	ug/L	99.213					
Al	27	5.303946	37849.11	ug/L	0.167					
Si	28	13200186		ug/L						
P	31	236.6849	82144.32	ug/L	4.367					
S	32	90243354		ug/L						
Cl	35	5801268.6		ug/L						
K	39	10771.92	1.06E+08	ug/L	29.644					
Ca	44	17139.654	5180617	ug/L	18.539					
Sc	45	180098.47		ug/L						
Ti	47	1.252572	1225.762	ug/L	0.003					
Ti	48	11.712606	93219.07	ug/L	0.279					
V	51	-0.819322	26844.85	ug/L	0.009					
ClO	51	27586.401		ug/L						
Cr	52	0.047048	8082.193	ug/L	0.002					
Cr	53	-2.967451	8655.872	ug/L	0.016					
Fe	54	7708.9432	4980209	ug/L	84.373					
Mn	55	1622.6516	24100302	ug/L	27.371					
Fe	56	7655.7864	90400503	ug/L	26.811					
Fe	57	7159.2797	1919111	ug/L	219.324					
Co	59	1.946898	22255.77	ug/L	0.014					
Ni	60	5.228957	14068.69	ug/L	0.012					
Ni	62	4.848279	2010.576	ug/L	0.04					
Cu	63	0.538123	3243.611	ug/L	0.004					
Zn	64	8.655832	25404.63	ug/L	0.037					
Cu	65	0.195911	622.028	ug/L	0.005					
Zn	66	8.844216	15170.13	ug/L	0.048					
Zn	68	10.32309	12880.92	ug/L	0.11					
Ge	72	149962.77		ug/L						
As	75	8.610902	13318.9	ug/L	0.011					
Se	74	73.725072	14762.87	mg/L	5.263					
ArCl	77	603.026		ug/L						

Br	79	208471.29	ug/L						
Br	81	242080.09	ug/L						
Y	89	401021.14	ug/L						
Mo	95	15.475037	59704.7	ug/L	0.245				
Rh	103	397249.59	ug/L						
Ag	107	0.003807	605.693	ug/L	0.001				
Ag	109	0.003155	542.688	ug/L	0.003				
Cd	111	0.11789	398.013	ug/L	0.009				
Cd	114	0.059679	864.05	ug/L	0.003				
In	115	530428.54	ug/L						
Sb	121	0.138583	2196.288	ug/L	0.008				
Sb	123	0.138196	1678.154	ug/L	0.003				
Ba	137	84.796262	434385.4	ug/L	0.814				
Ba	138	89.716674	2934239	ug/L	0.754				
Tb	159	656063.4	ug/L						
Ho	165	632229.66	ug/L						
Hg	200	0.034895	100.335	ug/L	0.003				
Hg	202	0.021453	94.001	ug/L	0.003				
Tl	205	0.05627	2036.915	ug/L	0.003				
Pb	208	0.069238	3504.302	ug/L	0.003				
Bi	209	423371.88	ug/L						
Se	77	-1.468703	568.018	mg/L	0.09				
Se	78	-2.101549	14575.54	mg/L	0.001				
Se	82	2.641049	506.963	mg/L	0.096				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.671							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	85.165
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.473
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.327
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.05
Sample Date/Time Tuesday August 30 2011 11:05:08
Autosampl Position: 133
Sample Description Aqtot 1:01 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.05.18882
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9103.222		ug/L						
Be	9	-0.012519	11.333	ug/L	0					
B	10	98.686668	8255.165	ug/L	3.468					
B	11	101.7229	41707.21	ug/L	0.85					
C	12	547062.61		ug/L						
Na	23	41591.193	2.64E+08	ug/L	1178.585					
Mg	24	10684.827	43447004	ug/L	74.36					
Mg	25	10808.423	6332893	ug/L	62.502					
Al	27	4.020667	30557.66	ug/L	0.048					
Si	28	13518129		ug/L						
P	31	238.79287	85071.35	ug/L	2.599					
S	32	93603600		ug/L						
Cl	35	5788947.5		ug/L						
K	39	10979.059	1.11E+08	ug/L	99.752					
Ca	44	17841.059	5538114	ug/L	35.791					
Sc	45	185034.78		ug/L						
Ti	47	1.400677	1381.452	ug/L	0.031					
Ti	48	10.397439	84544.19	ug/L	0.125					
V	51	-0.943885	26157.84	ug/L	0.038					
ClO	51	26853.544		ug/L						
Cr	52	0.102921	8840.593	ug/L	0.004					
Cr	53	-3.277872	8523.079	ug/L	0.098					
Fe	54	8038.2475	5333036	ug/L	91.999					
Mn	55	1657.6431	25295931	ug/L	14.132					
Fe	56	7930.3321	96099168	ug/L	182.22					
Fe	57	7763.5385	2137632	ug/L	975.974					
Co	59	1.956257	22974.56	ug/L	0.019					
Ni	60	5.59804	15469.31	ug/L	0.15					
Ni	62	5.275862	2243.299	ug/L	0.109					
Cu	63	0.553424	3422.012	ug/L	0.01					
Zn	64	2.16421	7344.568	ug/L	0.036					
Cu	65	0.229302	733.704	ug/L	0					
Zn	66	2.09437	4197.344	ug/L	0.01					
Zn	68	3.823709	5277.585	ug/L	0.137					
Ge	72	148337.82		ug/L						
As	75	9.275159	14204.11	ug/L	0.109					
Se	74	112.2516	12311.54	mg/L	90.445					
ArCl	77	625.028		ug/L						

Br	79	216284.33	ug/L				
Br	81	250592.6	ug/L				
Y	89	404432.39	ug/L				
Mo	95	16.372066	62473.22	ug/L	0.08		
Rh	103	402256.27	ug/L				
Ag	107	0.084207	1607.825	ug/L	0.003		
Ag	109	0.081456	1480.135	ug/L	0.001		
Cd	111	0.06182	225.005	ug/L	0.002		
Cd	114	-0.002722	415.347	ug/L	0.001		
In	115	539463.32	ug/L				
Sb	121	0.141555	2264.972	ug/L	0.007		
Sb	123	0.142703	1743.701	ug/L	0.008		
Ba	137	88.641548	461805.2	ug/L	1.027		
Ba	138	94.084143	3129364	ug/L	0.077		
Tb	159	661644.6	ug/L				
Ho	165	629633.14	ug/L				
Hg	200	0.031986	93.335	ug/L	0.004		
Hg	202	0.019998	89.335	ug/L	0.003		
Tl	205	0.053319	1942.227	ug/L	0.003		
Pb	208	0.084614	4111.404	ug/L	0.001		
Bi	209	434227.7	ug/L				
Se	77	-1.521915	561.351	mg/L	0.557		
Se	78	-1.508622	14824.76	mg/L	0.766		
Se	82	3.049978	586.843	mg/L	0.211		

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.403							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.242
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.98
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.944
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.08
Sample Date/Time Tuesday August 30 2011 11:11:42
Autosampl Position: 134
Sample Description Aqtot 1:01 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.08.18883
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6346.215		ug/L						
Be	9	0.002878	16.667	ug/L	0.003					
B	10	77.198162	6302.58	ug/L	0.372					
B	11	79.546614	31813.22	ug/L	0.053					
C	12	503788.6		ug/L						
Na	23	39933.724	2.46E+08	ug/L	24.529					
Mg	24	8668.7526	34305810	ug/L	29.946					
Mg	25	8948.6514	5102831	ug/L	7.262					
Al	27	3.00125	23302.16	ug/L	0.026					
Si	28	14922094		ug/L						
P	31	219.19085	76716.69	ug/L	3.447					
S	32	88741623		ug/L						
Cl	35	4888774		ug/L						
K	39	4550.1517	45505395	ug/L	18.384					
Ca	44	10687.57	3250715	ug/L	150.102					
Sc	45	180080.78		ug/L						
Ti	47	1.374442	1323.443	ug/L	0.057					
Ti	48	7.401725	57379.49	ug/L	0.596					
V	51	-0.981697	25037.35	ug/L	0.032					
ClO	51	25782.102		ug/L						
Cr	52	0.034245	7961.569	ug/L	0.007					
Cr	53	-3.398163	8155.405	ug/L	0.06					
Fe	54	6923.8768	4478242	ug/L	172.155					
Mn	55	192.31083	2859676	ug/L	2.205					
Fe	56	6785.0926	80447195	ug/L	158.583					
Fe	57	6271.0361	1682183	ug/L	12.458					
Co	59	0.883055	10157.77	ug/L	0.013					
Ni	60	2.910089	7858.474	ug/L	0.007					
Ni	62	2.628843	1112.746	ug/L	0.107					
Cu	63	0.511747	3093.224	ug/L	0.002					
Zn	64	2.750839	8797.781	ug/L	0.097					
Cu	65	0.188702	602.026	ug/L	0.007					
Zn	66	2.7899	5227.222	ug/L	0.087					
Zn	68	3.429045	4666.244	ug/L	0.054					
Ge	72	148247.15		ug/L						
As	75	4.187827	6309.399	ug/L	0.043					
Se	74	50.842458	15908.11	mg/L	62.239					
ArCl	77	534.021		ug/L						

Br	79	108941.06	ug/L						
Br	81	135842.43	ug/L						
Y	89	392829.93	ug/L						
Mo	95	2.177711	8394.294	ug/L	0.047				
Rh	103	394236.28	ug/L						
Ag	107	0.032591	962.394	ug/L	0.006				
Ag	109	0.039546	975.062	ug/L	0.001				
Cd	111	0.007703	51.001	ug/L	0.001				
Cd	114	-0.039857	138.336	ug/L	0.001				
In	115	534908.04	ug/L						
Sb	121	0.10183	1830.203	ug/L	0.016				
Sb	123	0.10025	1387.563	ug/L	0.008				
Ba	137	36.031828	186169.1	ug/L	0.358				
Ba	138	36.108873	1190979	ug/L	0.354				
Tb	159	668225.53	ug/L						
Ho	165	642773.46	ug/L						
Hg	200	0.000208	21.334	ug/L	0.004				
Hg	202	-0.000892	27.334	ug/L	0.001				
Tl	205	-0.005422	236.339	ug/L	0				
Pb	208	0.039039	2317.805	ug/L	0.002				
Bi	209	430335.16	ug/L						
Se	77	-2.32011	461.345	mg/L	0.542				
Se	78	-2.474825	14418.65	mg/L	0.27				
Se	82	1.484916	281.124	mg/L	0.121				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.661							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.19
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.22
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.883
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.09
Sample Date/Time Tuesday August 30 2011 11:18:15
Autosampl Position: 135
Sample Description Aqtot 1:01 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.09.18884
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6056.684		ug/L						
Be	9	-0.024156	7	ug/L	0.002					
B	10	83.737332	7066.149	ug/L	0.782					
B	11	87.380486	36123.32	ug/L	0.943					
C	12	483401.65		ug/L						
Na	23	32840.278	2.1E+08	ug/L	540.383					
Mg	24	10532.034	43117167	ug/L	312.696					
Mg	25	10557.716	6229024	ug/L	90.683					
Al	27	23.688905	159324.8	ug/L	0.839					
Si	28	19256109		ug/L						
P	31	136.36749	52835.51	ug/L	10.648					
S	32	91031520		ug/L						
Cl	35	5232773.7		ug/L						
K	39	10535.345	1.08E+08	ug/L	103.223					
Ca	44	21979.309	6857671	ug/L	106.88					
Sc	45	186334.47		ug/L						
Ti	47	2.111682	1981.569	ug/L	0.049					
Ti	48	15.381513	127953.3	ug/L	0.958					
V	51	-0.873053	27158.46	ug/L	0.025					
ClO	51	27962.217		ug/L						
Cr	52	0.092992	8808.376	ug/L	0.025					
Cr	53	-3.626044	8164.747	ug/L	0.053					
Fe	54	11927.793	7940542	ug/L	395.327					
Mn	55	503.9915	7747610	ug/L	2.553					
Fe	56	11361.382	1.37E+08	ug/L	292.514					
Fe	57	12127.684	3356346	ug/L	177.014					
Co	59	1.432965	16978.34	ug/L	0.017					
Ni	60	3.246314	9062.606	ug/L	0.014					
Ni	62	2.820075	1231.096	ug/L	0.09					
Cu	63	0.550967	3430.348	ug/L	0.029					
Zn	64	3.265635	10600.3	ug/L	0.027					
Cu	65	0.296288	930.057	ug/L	0.002					
Zn	66	3.270776	6224.193	ug/L	0.118					
Zn	68	3.95349	5474.036	ug/L	0.08					
Ge	72	147203.55		ug/L						
As	75	53.849224	82707.53	ug/L	0.051					
Se	74	152.87001	9872.816	mg/L	42.511					
ArCl	77	577.024		ug/L						

Br		79	117578.24	ug/L					
Br		81	145435.33	ug/L					
Y		89	390904.84	ug/L					
Mo		95	1.741763	6685.524	ug/L	0.003			
Rh		103	386205.05	ug/L					
Ag		107	0.028323	887.719	ug/L	0.005			
Ag		109	0.016346	685.033	ug/L	0.002			
Cd		111	0.009086	54.001	ug/L	0.001			
Cd		114	-0.039373	138.336	ug/L	0.002			
In		115	521770.96	ug/L					
Sb		121	0.076929	1532.811	ug/L	0			
Sb		123	0.079586	1191.824	ug/L	0.003			
Ba		137	34.76917	175209.7	ug/L	0.835			
Ba		138	34.335888	1104653	ug/L	0.396			
Tb		159	661678.46	ug/L					
Ho		165	630735.23	ug/L					
Hg		200	0.003154	27.667	ug/L	0.002			
Hg		202	-0.000047	29.334	ug/L	0.001			
Tl		205	-0.004768	251.006	ug/L	0			
Pb		208	0.162526	7271.876	ug/L	0.004			
Bi		209	433401.08	ug/L					
Se		77	-1.585772	553.35	mg/L	0.015			
Se		78	-2.570426	14378.46	mg/L	0.792			
Se		82	1.682713	319.762	mg/L	0.015			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.122							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	83.598
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.029
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.106
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.1
Sample Date/Time Tuesday August 30 2011 11:24:49
Autosampl Position: 136
Sample Description Aqtot 1:01 Na
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.10.18885
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5971.297		ug/L						
Be	9	-0.020004	8.333	ug/L	0.001					
B	10	121.22491	9897.15	ug/L	2.878					
B	11	125.5911	50288.57	ug/L	0.815					
C	12	486959.58		ug/L						
Na	23	47156.917	2.92E+08	ug/L	428.719					
Mg	24	11734.033	46662221	ug/L	168.062					
Mg	25	11842.24	6785426	ug/L	236.319					
Al	27	47.169891	303651.6	ug/L	1.388					
Si	28	18695007		ug/L						
P	31	67.57243	29851.91	ug/L	1.975					
S	32	89351397		ug/L						
Cl	35	5977210.2		ug/L						
K	39	11947.434	1.19E+08	ug/L	55.06					
Ca	44	23111.931	7000891	ug/L	114.129					
Sc	45	180977.17		ug/L						
Ti	47	5.406434	4579.199	ug/L	0.18					
Ti	48	18.185307	147665.7	ug/L	1.529					
V	51	-0.53748	30119.45	ug/L	0.043					
ClO	51	30551.89		ug/L						
Cr	52	0.185397	9422.205	ug/L	0.005					
Cr	53	-3.035689	8616.168	ug/L	0.271					
Fe	54	5349.677	3489258	ug/L	36.062					
Mn	55	60.446209	906044.4	ug/L	0.725					
Fe	56	5302.1152	63827377	ug/L	15.661					
Fe	57	4933.32	1331600	ug/L	219.018					
Co	59	0.211386	2533.045	ug/L	0.006					
Ni	60	3.594894	9739.312	ug/L	0.049					
Ni	62	3.209226	1353.448	ug/L	0.231					
Cu	63	0.762388	4541.846	ug/L	0.012					
Zn	64	3.521529	11016.62	ug/L	0.125					
Cu	65	0.376637	1125.748	ug/L	0.019					
Zn	66	3.430202	6309.585	ug/L	0.016					
Zn	68	4.559064	6042.068	ug/L	0.044					
Ge	72	144079.43		ug/L						
As	75	25.001614	37489.82	ug/L	0.367					
Se	74	83.891738	13605.23	mg/L	31.964					
ArCl	77	619.694		ug/L						

Br	79	142268.46	ug/L						
Br	81	172288.35	ug/L						
Y	89	390988.53	ug/L						
Mo	95	1.155955	4375.764	ug/L	0.035				
Rh	103	383015.95	ug/L						
Ag	107	0.009938	674.032	ug/L	0.001				
Ag	109	0.012385	644.696	ug/L	0.002				
Cd	111	0.010773	59.667	ug/L	0.002				
Cd	114	-0.038519	145.669	ug/L	0.001				
In	115	525903.88	ug/L						
Sb	121	0.066246	1435.128	ug/L	0.003				
Sb	123	0.073458	1152.237	ug/L	0.012				
Ba	137	56.001898	284396.9	ug/L	1.408				
Ba	138	55.746767	1807497	ug/L	0.66				
Tb	159	661288.11	ug/L						
Ho	165	631602.79	ug/L						
Hg	200	0.00897	41.001	ug/L	0.001				
Hg	202	0.002712	37.667	ug/L	0.003				
Tl	205	-0.005658	225.338	ug/L	0.001				
Pb	208	0.152105	6859.079	ug/L	0				
Bi	209	431851.46	ug/L						
Se	77	-1.042995	621.355	mg/L	0.271				
Se	78	-2.701375	14323.42	mg/L	0.265				
Se	82	1.977572	377.359	mg/L	0.21				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.157							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	81.824
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.718
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.234
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.16
Sample Date/Time Tuesday August 30 2011 11:31:23
Autosampl Position: 137
Sample Description Aqtot 1:01 Na + Ca
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.16.18886
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5999.312		ug/L						
Be	9	0.00501	17.667	ug/L	0.011					
B	10	162.21359	13313.54	ug/L	2.857					
B	11	168.49801	67839.53	ug/L	0.804					
C	12	527152.09		ug/L						
Na	23	45334.495	2.83E+08	ug/L	44.131					
Mg	24	11457.091	45894449	ug/L	75.988					
Mg	25	11328.095	6538602	ug/L	101.592					
Al	27	6.73984	47485.13	ug/L	0.144					
Si	28	16444330		ug/L						
P	31	144.76483	54300.64	ug/L	8.327					
S	32	90061719		ug/L						
Cl	35	5146369.2		ug/L						
K	39	17052.736	1.7E+08	ug/L	36.477					
Ca	44	31378.59	9553660	ug/L	734.19					
Sc	45	182284.04		ug/L						
Ti	47	1.569286	1497.805	ug/L	0.006					
Ti	48	20.909885	171719.8	ug/L	3.491					
V	51	-0.671996	28827.26	ug/L	0.016					
ClO	51	29827.485		ug/L						
Cr	52	0.238177	9989.495	ug/L	0					
Cr	53	-3.463471	8178.426	ug/L	0.102					
Fe	54	18455.31	11992279	ug/L	71.493					
Mn	55	1560.1463	23454377	ug/L	5.285					
Fe	56	18432.032	2.16E+08	ug/L	287.028					
Fe	57	19183.123	5188391	ug/L	170.208					
Co	59	0.43273	5099.147	ug/L	0.006					
Ni	60	3.478007	9494.051	ug/L	0.063					
Ni	62	2.750417	1176.088	ug/L	0.012					
Cu	63	1.311901	7741.039	ug/L	0.022					
Zn	64	4.140889	12861.77	ug/L	0.017					
Cu	65	0.976533	2809.796	ug/L	0.024					
Zn	66	4.153839	7558.216	ug/L	0.023					
Zn	68	4.97886	6592.456	ug/L	0.057					
Ge	72	144922.01		ug/L						
As	75	3.336877	4879.141	ug/L	0.06					
Se	74	113.54772	11972.98	mg/L	33.858					
ArCl	77	589.025		ug/L						

Br	79	224244.64	ug/L			
Br	81	259484.3	ug/L			
Y	89	388074.33	ug/L			
Mo	95	0.172652	741.704	ug/L	0.006	
Rh	103	389003.76	ug/L			
Ag	107	0.01133	687.033	ug/L	0.002	
Ag	109	0.00856	597.359	ug/L	0.005	
Cd	111	0.004008	38.334	ug/L	0.001	
Cd	114	-0.018634	288.007	ug/L	0.002	
In	115	522912	ug/L			
Sb	121	0.069953	1465.133	ug/L	0.004	
Sb	123	0.072392	1138.271	ug/L	0.006	
Ba	137	46.986594	237317.8	ug/L	0.538	
Ba	138	46.776647	1508236	ug/L	0.044	
Tb	159	658845.49	ug/L			
Ho	165	633990.49	ug/L			
Hg	200	0.00001	20.667	ug/L	0.004	
Hg	202	-0.001739	24.334	ug/L	0.003	
Tl	205	-0.006205	210.005	ug/L	0.001	
Pb	208	0.06889	3499.631	ug/L	0.002	
Bi	209	430287.95	ug/L			
Se	77	-1.500631	564.018	mg/L	0.196	
Se	78	-3.745683	13884.48	mg/L	0.78	
Se	82	3.090777	594.813	mg/L	0.006	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.881							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	82.302
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.219
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.587
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Tuesday August 30 2011 11:37:50
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.18887
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5917.927		ug/L						
Be	9	0.018682	19.334	ug/L	0.007					
B	10	1.027554	142.336	ug/L	0.06					
B	11	1.355634	745.372	ug/L	0.182					
C	12	346414.12		ug/L						
Na	23	41.050225	229089.9	ug/L	1.402					
Mg	24	4.417596	15491.42	ug/L	0.137					
Mg	25	4.169815	2120.459	ug/L	0.098					
Al	27	0.85457	8378.031	ug/L	0.005					
Si	28	66892.241		ug/L						
P	31	6.603499	9315.836	ug/L	7.363					
S	32	90032528		ug/L						
Cl	35	8315196.9		ug/L						
K	39	15.160365	910816.8	ug/L	1.645					
Ca	44	-67.78627	29758.27	ug/L	1.252					
Sc	45	154804.72		ug/L						
Ti	47	-0.02163	175.003	ug/L	0.001					
Ti	48	0.365164	-968.171	ug/L	0.002					
V	51	-0.053289	30377.98	ug/L	0.107					
ClO	51	31325.53		ug/L						
Cr	52	0.140905	7701.64	ug/L	0					
Cr	53	-0.503859	9889.477	ug/L	0.504					
Fe	54	39.500899	67738.18	ug/L	17.761					
Mn	55	-0.028486	3134.239	ug/L	0.009					
Fe	56	55.432495	3089419	ug/L	2.312					
Fe	57	17.974952	12559.95	ug/L	2.989					
Co	59	0.034861	442.015	ug/L	0.001					
Ni	60	0.061429	199.004	ug/L	0.007					
Ni	62	0.076497	69.001	ug/L	0.031					
Cu	63	0.096284	626.361	ug/L	0.003					
Zn	64	0.111783	1182.396	ug/L	0.034					
Cu	65	0.089109	281.007	ug/L	0.01					
Zn	66	0.091427	684.033	ug/L	0.011					
Zn	68	0.071328	571.69	ug/L	0.041					
Ge	72	145458.46		ug/L						
As	75	0.074621	-64.962	ug/L	0.027					
Se	74	85.766744	13624.07	mg/L	70.691					
ArCl	77	605.693		ug/L						

Br	79	8477.394	ug/L				
Br	81	28737.741	ug/L				
Y	89	385306.87	ug/L				
Mo	95	0.355942	1429.127	ug/L	0.003		
Rh	103	408310.14	ug/L				
Ag	107	0.097721	1802.53	ug/L	0.004		
Ag	109	0.101276	1742.518	ug/L	0.003		
Cd	111	0.043435	168.67	ug/L	0.003		
Cd	114	-0.010857	360.677	ug/L	0.003		
In	115	548105.37	ug/L				
Sb	121	0.257304	3537.39	ug/L	0.008		
Sb	123	0.251568	2666.4	ug/L	0.005		
Ba	137	0.063009	389.346	ug/L	0.003		
Ba	138	0.066217	2503.852	ug/L	0.001		
Tb	159	662065.49	ug/L				
Ho	165	628315.65	ug/L				
Hg	200	-0.003112	13.333	ug/L	0.002		
Hg	202	-0.002022	23.334	ug/L	0.002		
Tl	205	0.068029	2366.332	ug/L	0		
Pb	208	0.057499	3009.558	ug/L	0.001		
Bi	209	460870.53	ug/L				
Se	77	-1.149422	608.02	mg/L	0.271		
Se	78	-2.21843	14526.41	mg/L	0.524		
Se	82	0.315433	52.677	mg/L	0.032		

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	85.673							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	82.607
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.421
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.749
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Tuesday August 30 2011 11:44:46
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.18888
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5799.183		ug/L						
Be	9	68.444907	21979.43	ug/L	1.949					
B	10	74.154571	5309.603	ug/L	1.794					
B	11	75.940806	26627.89	ug/L	3.864					
C	12	342268.76		ug/L						
Na	23	107.4182	592624.2	ug/L	1.547					
Mg	24	107.50618	373373.2	ug/L	2.885					
Mg	25	106.94482	53542.57	ug/L	0.619					
Al	27	102.92515	573348.9	ug/L	5.537					
Si	28	204819.07		ug/L						
P	31	13.109129	11234.74	ug/L	2.944					
S	32	91031520		ug/L						
Cl	35	8104536.9		ug/L						
K	39	1104.3509	10284385	ug/L	46.163					
Ca	44	21.177391	53663.28	ug/L	6.111					
Sc	45	157887.53		ug/L						
Ti	47	99.107091	69872.87	ug/L	2.922					
Ti	48	101.30242	734530.5	ug/L	3.362					
V	51	94.882938	955742.9	ug/L	1.805					
ClO	51	974063.93		ug/L						
Cr	52	97.903505	809304.4	ug/L	1.662					
Cr	53	91.84521	103964.2	ug/L	3.029					
Fe	54	129.82358	119567.1	ug/L	1.197					
Mn	55	95.341307	1244525	ug/L	2.274					
Fe	56	150.29694	4100876	ug/L	3.773					
Fe	57	105.23778	33190.47	ug/L	5.869					
Co	59	95.156665	948497	ug/L	1.736					
Ni	60	87.96569	206531.1	ug/L	1.184					
Ni	62	88.898293	31562.35	ug/L	1.162					
Cu	63	94.913768	473714.2	ug/L	2.131					
Zn	64	85.188055	210893.6	ug/L	2.365					
Cu	65	95.037297	229918.8	ug/L	2.274					
Zn	66	86.031415	124384.5	ug/L	2.976					
Zn	68	84.498182	88755.71	ug/L	1.932					
Ge	72	145088.73		ug/L						
As	75	106.15625	160865.2	ug/L	1.131					
Se	74	0.885104	18496.77	mg/L	57.476					
ArCl	77	12092.497		ug/L						

Br	79	4647.901	ug/L			
Br	81	25657.746	ug/L			
Y	89	398327.71	ug/L			
Mo	95	102.74958	383066.1	ug/L	3.671	
Rh	103	408703.37	ug/L			
Ag	107	42.502401	535119.1	ug/L	2.001	
Ag	109	41.922847	507249.7	ug/L	1.517	
Cd	111	97.662331	319595.7	ug/L	0.038	
Cd	114	98.762553	748361.3	ug/L	0.539	
In	115	550177.03	ug/L			
Sb	121	92.117313	988680.6	ug/L	5.654	
Sb	123	92.36101	762852.1	ug/L	6.001	
Ba	137	105.49378	560552.9	ug/L	0.357	
Ba	138	110.18915	3737721	ug/L	0.302	
Tb	159	669763.54	ug/L			
Ho	165	632578.11	ug/L			
Hg	200	0.982432	2268.306	ug/L	0.013	
Hg	202	0.979834	2974.85	ug/L	0.034	
Tl	205	109.92997	3217213	ug/L	3.599	
Pb	208	103.30288	4192807	ug/L	2.159	
Bi	209	464800.73	ug/L			
Se	77	91.011134	12154.79	mg/L	3.768	
Se	78	87.285455	52146.3	mg/L	2.649	
Se	82	84.645312	16525.68	mg/L	0.967	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	67.767							
|	B	73.933							
|	B	75.714							
|	C								
|	Na	106.04							
|	Mg	106.442							
|	Mg	105.886							
|	Al	102.515							
|	Si								
|	P								
|	S								
|	Cl								
|	K	110.105							
|	Ca	20.988							
|>	Sc	87.379							
|	Ti	99.107							
|	Ti	101.302							
|	V	94.505							
|	ClO								
|	Cr	96.934							

	Cr	90.936
	Fe	129.049
	Mn	94.961
	Fe	149.401
	Fe	104.61
	Co	94.589
	Ni	87.268
	Ni	88.193
	Cu	95.009
	Zn	84.596
	Cu	95.132
	Zn	85.433
|-	Zn	83.911
|>	Ge	82.397
	As	106.797
	Se	0.883
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	102.442
|-	Rh	
	Ag	42.165
	Ag	41.59
	Cd	97.176
	Cd	98.271
|>	In	91.767
	Sb	91.842
	Sb	92.085
	Ba	104.76
|-	Ba	109.423
|-	Tb	
|>	Ho	93.378
	Hg	98.243
	Hg	97.983
	Tl	109.93
	Pb	103.303
|-	Bi	
	Se	90.829
	Se	87.111
	Se	84.476

Sample ID: QC Std 5
Sample Date/Time Tuesday August 30 2011 11:51:40
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.18889
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6067.357		ug/L						
Be	9	30.267549	9492.048	ug/L	0.533					
B	10	125.39877	8710.926	ug/L	4.768					
B	11	127.7527	43525.72	ug/L	3.474					
C	12	343167.71		ug/L						
Na	23	9.767401	62973.67	ug/L	0.386					
Mg	24	0.571038	2390.557	ug/L	0.102					
Mg	25	0.421615	283.367	ug/L	0.252					
Al	27	189.74358	1028632	ug/L	0.907					
Si	28	101005		ug/L						
P	31	5.222292	8878.556	ug/L	0.502					
S	32	88268075		ug/L						
Cl	35	7772962.8		ug/L						
K	39	8.390972	849697.6	ug/L	1.366					
Ca	44	-78.8361	26788.76	ug/L	0.771					
Sc	45	154046.36		ug/L						
Ti	47	0.1887	318.675	ug/L	0.039					
Ti	48	0.559463	421.326	ug/L	0.049					
V	51	24.545446	264024.8	ug/L	0.562					
ClO	51	268512.54		ug/L						
Cr	52	48.905759	397690.4	ug/L	1.325					
Cr	53	46.321001	56292.98	ug/L	1.082					
Fe	54	213.06107	162180.4	ug/L	5.888					
Mn	55	103.30058	1315351	ug/L	2.84					
Fe	56	248.62336	4960987	ug/L	4.338					
Fe	57	200.96732	54233.37	ug/L	0.896					
Co	59	23.103071	224773.4	ug/L	0.345					
Ni	60	181.50037	415682.9	ug/L	4.536					
Ni	62	182.03839	63014.6	ug/L	2.765					
Cu	63	75.422268	367336.1	ug/L	1.349					
Zn	64	89.911713	217138.5	ug/L	2.276					
Cu	65	74.929648	176883.4	ug/L	1.969					
Zn	66	91.396176	128904.8	ug/L	2.794					
Zn	68	92.446869	94699.98	ug/L	2.14					
Ge	72	148841.95		ug/L						
As	75	44.594935	69219.13	ug/L	0.821					
Se	74	48.661428	16113.99	mg/L	70.834					
ArCl	77	18745.164		ug/L						

Br	79	3489.705	ug/L				
Br	81	23456.791	ug/L				
Y	89	394868.16	ug/L				
Mo	95	42.89901	164049.3	ug/L	2.508		
Rh	103	413603.79	ug/L				
Ag	107	41.666217	530584.7	ug/L	1.801		
Ag	109	47.745542	584189.7	ug/L	2.64		
Cd	111	22.065936	73041.71	ug/L	0.459		
Cd	114	22.246467	170813.7	ug/L	0.36		
In	115	556354.72	ug/L				
Sb	121	48.334325	525092.6	ug/L	0.64		
Sb	123	48.300195	403803	ug/L	0.346		
Ba	137	145.39971	781240.8	ug/L	0.275		
Ba	138	153.18287	5254398	ug/L	0.904		
Tb	159	669303.42	ug/L				
Ho	165	643259.3	ug/L				
Hg	200	1.03523	2429.349	ug/L	0.017		
Hg	202	1.00626	3106.562	ug/L	0.006		
Tl	205	13.730896	409051.7	ug/L	0.194		
Pb	208	104.78406	4325278	ug/L	0.122		
Bi	209	469452.35	ug/L				
Se	77	146.8819	19154.83	mg/L	1.765		
Se	78	138.42234	73639.93	mg/L	5.752		
Se	82	136.06025	26569.07	mg/L	2.478		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	71.051							
|	B	78.374							
|	B	79.845							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	107.809							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	85.253							
|	Ti								
|	Ti								
|	V	98.576							
|	ClO								
|	Cr	99.402							

	Cr	94.148
	Fe	119.029
	Mn	97.453
	Fe	138.896
	Fe	112.272
	Co	99.155
	Ni	88.971
	Ni	89.235
	Cu	96.448
	Zn	85.63
	Cu	95.818
	Zn	87.044
|-	Zn	88.045
|>	Ge	84.528
	As	113.185
	Se	30.413
	ArCl	
	Br	
	Br	
	Y	
|-	Mo	102.384
|-	Rh	
	Ag	82.835
	Ag	94.922
	Cd	95.112
	Cd	95.89
|>	In	92.797
	Sb	103.945
	Sb	103.871
	Ba	103.12
|-	Ba	108.64
|-	Tb	
|>	Ho	94.955
	Hg	103.523
	Hg	100.626
	Tl	96.696
	Pb	100.754
|-	Bi	
	Se	91.801
	Se	86.514
	Se	85.038

Sample ID: QC Std 6
Sample Date/Time Tuesday August 30 2011 11:58:35
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.1889
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6023.329		ug/L						
Be	9	-0.014709	9.667	ug/L	0.015					
B	10	0.484639	115.335	ug/L	0.341					
B	11	0.632853	550.022	ug/L	0.083					
C	12	350774.58		ug/L						
Na	23	10319.397	60394846	ug/L	135.093					
Mg	24	10519.767	39488961	ug/L	118.313					
Mg	25	10453.923	5654770	ug/L	37.601					
Al	27	10789.137	64627438	ug/L	157.847					
Si	28	52744.573		ug/L						
P	31	11653.371	3435813	ug/L	80.676					
S	32	85592203		ug/L						
Cl	35	7040638.6		ug/L						
K	39	10143.308	95174545	ug/L	106.168					
Ca	44	10098.794	2916501	ug/L	118.055					
Sc	45	170828.91		ug/L						
Ti	47	27.240128	20935.29	ug/L	0.363					
Ti	48	6.783281	49532.94	ug/L	0.321					
V	51	-0.602898	27742.54	ug/L	0.024					
ClO	51	28452.411		ug/L						
Cr	52	0.102213	8154.564	ug/L	0.017					
Cr	53	-2.084089	9182.728	ug/L	0.078					
Fe	54	10632.424	6496240	ug/L	12.222					
Mn	55	-0.14028	1880.548	ug/L	0.017					
Fe	56	10364.983	1.15E+08	ug/L	67.503					
Fe	57	10895.109	2765829	ug/L	152.197					
Co	59	0.031349	449.349	ug/L	0.004					
Ni	60	0.280069	774.374	ug/L	0.019					
Ni	62	0.080937	78.001	ug/L	0.003					
Cu	63	0.206697	1286.771	ug/L	0.011					
Zn	64	0.460179	2235.292	ug/L	0.003					
Cu	65	0.134465	429.014	ug/L	0.008					
Zn	66	0.383322	1209.759	ug/L	0.001					
Zn	68	0.359067	956.393	ug/L	0.041					
Ge	72	146904.1		ug/L						
As	75	0.095031	-34.26	ug/L	0.003					
Se	74	136.20591	10824.97	mg/L	42.071					
ArCl	77	620.027		ug/L						

Br	79	3273.624	ug/L			
Br	81	23695.417	ug/L			
Y	89	387866.32	ug/L			
Mo	95	0.303541	1245.432	ug/L	0.039	
Rh	103	393870.71	ug/L			
Ag	107	0.335308	4642.575	ug/L	0.055	
Ag	109	0.341907	4506.509	ug/L	0.065	
Cd	111	0.011658	63.334	ug/L	0.002	
Cd	114	-0.032688	190.337	ug/L	0.002	
In	115	532786.18	ug/L			
Sb	121	0.849805	9587.837	ug/L	0.096	
Sb	123	0.842026	7307.235	ug/L	0.108	
Ba	137	0.060318	364.678	ug/L	0.004	
Ba	138	0.06429	2370.394	ug/L	0	
Tb	159	644714.37	ug/L			
Ho	165	620755.59	ug/L			
Hg	200	0.014765	53.334	ug/L	0.004	
Hg	202	0.010277	59.334	ug/L	0	
Tl	205	0.011723	720.369	ug/L	0.003	
Pb	208	0.043192	2403.483	ug/L	0.001	
Bi	209	446887.46	ug/L			
Se	77	-1.362275	581.352	mg/L	0.542	
Se	78	-3.653372	13923.28	mg/L	0.216	
Se	82	0.225575	35.124	mg/L	0.055	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	103.194							
|	Mg	105.198							
|	Mg	104.539							
|	Al	107.891							
|	Si								
|	P	116.534							
|	S								
|	Cl								
|	K	101.433							
|	Ca	100.988							
|>	Sc	94.541							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	106.324
	Mn	
	Fe	103.65
	Fe	108.951
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	83.428
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.866
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.633
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MS
Sample Date/Time Tuesday August 30 2011 12:05:37
Autosampl Position: 138
Sample Description Aqdis 1:01 Fe + Mn
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MS.18891
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8357.173		ug/L						
Be	9	302.15437	113370	ug/L	2.877					
B	10	83.758076	6998.097	ug/L	3.735					
B	11	86.746032	35513.93	ug/L	1.796					
C	12	3388117.5		ug/L						
Na	23	41395.867	2.62E+08	ug/L	484.469					
Mg	24	14258.812	57815697	ug/L	169.879					
Mg	25	14242.708	8321234	ug/L	239.923					
Al	27	5117.7953	33117949	ug/L	24.132					
Si	28	12409204		ug/L						
P	31	4986.1709	1593010	ug/L	11.537					
S	32	87100422		ug/L						
Cl	35	1957765.6		ug/L						
K	39	14464.891	1.46E+08	ug/L	363.465					
Ca	44	19903.175	6153689	ug/L	599.338					
Sc	45	184521.93		ug/L						
Ti	47	12.766579	10718.76	ug/L	0.158					
Ti	48	12.180315	99550.23	ug/L	1.229					
V	51	449.18149	5150787	ug/L	8.014					
ClO	51	5246025.7		ug/L						
Cr	52	438.96918	4213844	ug/L	8.345					
Cr	53	363.13355	443917.9	ug/L	0.459					
Fe	54	11670.717	7696798	ug/L	32.042					
Mn	55	1829.7048	27841210	ug/L	32.426					
Fe	56	11560.852	1.38E+08	ug/L	241.836					
Fe	57	12212.008	3346652	ug/L	335.466					
Co	59	422.84665	4925932	ug/L	6.709					
Ni	60	339.40147	931171.2	ug/L	3.756					
Ni	62	343.76784	142511.4	ug/L	0.836					
Cu	63	383.03466	2234065	ug/L	3.207					
Zn	64	351.55971	1014029	ug/L	0.367					
Cu	65	357.76511	1011567	ug/L	1.893					
Zn	66	360.30457	606895.6	ug/L	1.209					
Zn	68	355.91584	435082.9	ug/L	3.226					
Ge	72	146268.66		ug/L						
As	75	501.36072	766627.6	ug/L	4.618					
Se	74	27.680813	17064.21	mg/L	43.392					
ArCl	77	58686.745		ug/L						

Br	79	158013.67	ug/L			
Br	81	184484.66	ug/L			
Y	89	387081.99	ug/L			
Mo	95	512.60189	1925841	ug/L	11.154	
Rh	103	380801.27	ug/L			
Ag	107	478.96847	5712504	ug/L	12.72	
Ag	109	478.00862	5478750	ug/L	14.359	
Cd	111	466.60986	1447607	ug/L	8.997	
Cd	114	527.67993	3789240	ug/L	7.785	
In	115	521678.26	ug/L			
Sb	121	544.38901	5536271	ug/L	26.046	
Sb	123	542.90924	4249109	ug/L	22.881	
Ba	137	624.74941	3146980	ug/L	14.858	
Ba	138	619.37062	19918468	ug/L	10.306	
Tb	159	647107.63	ug/L			
Ho	165	621852.43	ug/L			
Hg	200	0.506276	1158.752	ug/L	0.005	
Hg	202	0.492713	1485.47	ug/L	0.013	
Tl	205	501.80504	14438667	ug/L	2.189	
Pb	208	494.23674	19719929	ug/L	1.438	
Bi	209	433176.37	ug/L			
Se	77	448.70329	56969.95	mg/L	2.635	
Se	78	446.28081	203037.7	mg/L	4.661	
Se	82	430.98344	84179.36	mg/L	4.357	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.119							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	83.067
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.013
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.795
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MSD
Sample Date/Time Tuesday August 30 2011 12:12:10
Autosampl Position: 139
Sample Description Aqdis 1:01 Fe + Mn
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata MSD.18892
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	9047.173		ug/L						
Be	9	328.92318	119259.3	ug/L	4.959					
B	10	90.324316	7286.659	ug/L	3.024					
B	11	93.179909	36837.2	ug/L	3.185					
C	12	3522670.9		ug/L						
Na	23	44868.793	2.74E+08	ug/L	1562.102					
Mg	24	15309.794	59983197	ug/L	437.524					
Mg	25	15412.824	8701726	ug/L	339.446					
Al	27	5502.7788	34409116	ug/L	98.398					
Si	28	12440401		ug/L						
P	31	5327.467	1644154	ug/L	47.518					
S	32	88540527		ug/L						
Cl	35	1947255.2		ug/L						
K	39	15059.006	1.47E+08	ug/L	648.585					
Ca	44	20932.527	6252405	ug/L	105.215					
Sc	45	178322.79		ug/L						
Ti	47	13.517951	10956.38	ug/L	0.053					
Ti	48	13.238259	104830.2	ug/L	0.626					
V	51	477.759	5291804	ug/L	10.799					
ClO	51	5388851.6		ug/L						
Cr	52	466.22818	4324490	ug/L	9.321					
Cr	53	387.47628	456920.7	ug/L	5.222					
Fe	54	12405.7	7902801	ug/L	142.894					
Mn	55	1951.8823	28702477	ug/L	21.938					
Fe	56	12326.03	1.42E+08	ug/L	269.538					
Fe	57	12947.418	3428128	ug/L	399.661					
Co	59	447.83428	5041593	ug/L	7.007					
Ni	60	360.51172	955854.1	ug/L	2.893					
Ni	62	363.3726	145570	ug/L	2.46					
Cu	63	403.33844	2273193	ug/L	8.815					
Zn	64	373.08374	1039861	ug/L	1.488					
Cu	65	376.69066	1029169	ug/L	5.074					
Zn	66	378.88261	616681.2	ug/L	3.9					
Zn	68	373.37254	441038.6	ug/L	5.072					
Ge	72	148341.87		ug/L						
As	75	505.15535	783338.9	ug/L	8.911					
Se	74	6.866017	18530.45	mg/L	25.835					
ArCl	77	60122.087		ug/L						

Br	79	160242.27	ug/L			
Br	81	187871.65	ug/L			
Y	89	389227.15	ug/L			
Mo	95	556.1183	2119784	ug/L	59.457	
Rh	103	386329.14	ug/L			
Ag	107	472.699	5719579	ug/L	2.026	
Ag	109	476.28498	5538454	ug/L	4.214	
Cd	111	471.22772	1483069	ug/L	7.563	
Cd	114	529.94252	3860498	ug/L	1.231	
In	115	529172.44	ug/L			
Sb	121	556.34342	5740991	ug/L	20.216	
Sb	123	542.55651	4308673	ug/L	24.407	
Ba	137	619.47966	3165690	ug/L	1.683	
Ba	138	624.28903	20367009	ug/L	0.362	
Tb	159	642161.55	ug/L			
Ho	165	627011.44	ug/L			
Hg	200	0.516998	1192.757	ug/L	0.011	
Hg	202	0.503267	1529.144	ug/L	0.017	
Tl	205	505.09516	14653573	ug/L	2.446	
Pb	208	497.62142	20019426	ug/L	0.809	
Bi	209	432749.87	ug/L			
Se	77	462.78669	58734.46	mg/L	0.651	
Se	78	445.92858	202889.6	mg/L	5.096	
Se	82	442.57756	86444.16	mg/L	3.245	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.688							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.244
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.263
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.557
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 12:18:44
Autosampl Position: 140
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18893
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6382.24		ug/L						
Be	9	0.030449	23.334	ug/L	0.003					
B	10	1.497772	177.337	ug/L	0.121					
B	11	1.751471	891.719	ug/L	0.135					
C	12	397966.47		ug/L						
Na	23	27.231163	158146	ug/L	0.183					
Mg	24	5.610887	19826.92	ug/L	0.171					
Mg	25	5.772007	2947.441	ug/L	0.601					
Al	27	7.187653	43370.87	ug/L	0					
Si	28	81498.474		ug/L						
P	31	9.017209	10073.27	ug/L	2.852					
S	32	87933996		ug/L						
Cl	35	10738074		ug/L						
K	39	20.007994	965480.4	ug/L	1.714					
Ca	44	-49.18285	35037.59	ug/L	4.889					
Sc	45	157028.6		ug/L						
Ti	47	0.049666	227.338	ug/L	0.022					
Ti	48	0.458967	-301.473	ug/L	0.021					
V	51	0.181947	33109.19	ug/L	0.055					
ClO	51	34224.646		ug/L						
Cr	52	0.224683	8495.384	ug/L	0.002					
Cr	53	0.471748	11025.46	ug/L	0.156					
Fe	54	63.865462	82148.17	ug/L	4.439					
Mn	55	0.139559	5352.632	ug/L	0.027					
Fe	56	93.837081	3515754	ug/L	7.005					
Fe	57	44.707464	18944.97	ug/L	4.11					
Co	59	0.054757	645.363	ug/L	0.002					
Ni	60	0.203475	533.354	ug/L	0.011					
Ni	62	0.208589	116.669	ug/L	0.061					
Cu	63	0.403845	2161.612	ug/L	0.007					
Zn	64	4.276948	11413.13	ug/L	0.031					
Cu	65	0.397686	1027.735	ug/L	0.006					
Zn	66	4.389329	6848.314	ug/L	0.036					
Zn	68	4.24558	4917.045	ug/L	0.049					
Ge	72	148749.76		ug/L						
As	75	0.239241	189.469	ug/L	0.053					
Se	74	57.177315	15618.5	mg/L	13.15					
ArCl	77	784.042		ug/L						

Br	79	2721.101	ug/L						
Br	81	23711.458	ug/L						
Y	89	403066.69	ug/L						
Mo	95	2.577029	9944.898	ug/L	0.276				
Rh	103	413723.49	ug/L						
Ag	107	3.007525	37940.23	ug/L	0.51				
Ag	109	2.969324	35973.48	ug/L	0.501				
Cd	111	0.057039	211.671	ug/L	0.002				
Cd	114	0.011839	527.687	ug/L	0.006				
In	115	544379.34	ug/L						
Sb	121	7.114107	76155.16	ug/L	1.208				
Sb	123	7.102707	58510.35	ug/L	1.145				
Ba	137	0.392679	2118.935	ug/L	0.014				
Ba	138	0.386092	13218.41	ug/L	0.011				
Tb	159	661869.42	ug/L						
Ho	165	626967.29	ug/L						
Hg	200	0.013212	50.334	ug/L	0.003				
Hg	202	0.008063	53.334	ug/L	0				
Tl	205	0.072002	2476.696	ug/L	0.004				
Pb	208	0.171119	7573.32	ug/L	0.003				
Bi	209	446625.87	ug/L						
Se	77	0.212858	778.7	mg/L	0.181				
Se	78	-2.652261	14344.07	mg/L	0.765				
Se	82	0.770157	141.503	mg/L	0.211				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	86.904							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.476
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.8
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.55
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 12:25:18
Autosampl Position: 141
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18894
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	5976.631		ug/L						
Be	9	-0.010974	9.667	ug/L	0.003					
B	10	0.655426	113.002	ug/L	0.118					
B	11	0.904038	572.357	ug/L	0.263					
C	12	362456.78		ug/L						
Na	23	12.861912	77342.01	ug/L	0.702					
Mg	24	2.04878	7206.909	ug/L	0.087					
Mg	25	2.053612	1053.5	ug/L	0.146					
Al	27	3.885912	24104.32	ug/L	0.115					
Si	28	62298.944		ug/L						
P	31	4.12851	8378.03	ug/L	0.394					
S	32	87567483		ug/L						
Cl	35	9531177.7		ug/L						
K	39	14.114587	875523.6	ug/L	4.014					
Ca	44	-70.01889	28320.21	ug/L	5.653					
Sc	45	150319.9		ug/L						
Ti	47	0.022146	199.004	ug/L	0.022					
Ti	48	0.367264	-923.939	ug/L	0.013					
V	51	0.301706	32790.36	ug/L	0.092					
ClO	51	33590.293		ug/L						
Cr	52	0.226272	8141.665	ug/L	0.025					
Cr	53	0.842866	10905.65	ug/L	0.487					
Fe	54	25.937705	58368.41	ug/L	5.103					
Mn	55	-0.087449	2308.983	ug/L	0.01					
Fe	56	69.576574	3132669	ug/L	11.542					
Fe	57	14.614294	11431.66	ug/L	2.027					
Co	59	0.019167	279.674	ug/L	0.003					
Ni	60	0.092639	263.006	ug/L	0.006					
Ni	62	0.120601	82.335	ug/L	0.055					
Cu	63	0.144323	835.38	ug/L	0.012					
Zn	64	2.164287	5961.399	ug/L	0.144					
Cu	65	0.132513	372.678	ug/L	0.012					
Zn	66	2.23621	3601.083	ug/L	0.145					
Zn	68	2.09177	2563.054	ug/L	0.125					
Ge	72	148478.71		ug/L						
As	75	0.08304	-53.108	ug/L	0.071					
Se	74	44.35345	16344.05	mg/L	32.645					
ArCl	77	673.365		ug/L						

Br		79	2227.295	ug/L						
Br		81	22419.168	ug/L						
Y		89	401356.44	ug/L						
Mo		95	0.743535	2936.837	ug/L	0.001				
Rh		103	411723.62	ug/L						
Ag		107	0.917047	11606.86	ug/L	0.039				
Ag		109	0.946063	11459.34	ug/L	0.049				
Cd		111	0.020814	91.335	ug/L	0.003				
Cd		114	-0.030204	206.338	ug/L	0.004				
In		115	527037.62	ug/L						
Sb		121	2.01666	21481.25	ug/L	0.069				
Sb		123	1.995722	16356.77	ug/L	0.02				
Ba		137	0.152752	831.046	ug/L	0.003				
Ba		138	0.153201	5233.749	ug/L	0				
Tb		159	659867.6	ug/L						
Ho		165	621890.19	ug/L						
Hg		200	0.004529	30.334	ug/L	0.002				
Hg		202	0.003135	38.334	ug/L	0				
Tl		205	0.015854	841.047	ug/L	0.001				
Pb		208	0.056066	2921.216	ug/L	0.001				
Bi		209	435632.09	ug/L						
Se		77	-0.606642	676.025	mg/L	0.135				
Se		78	-2.208224	14530.7	mg/L	0.151				
Se		82	0.249254	39.75	mg/L	0.213				
QC	Calculated	Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery	
|-	Li									
|	Be									
|	B									
|	B									
|	C									
|	Na									
|	Mg									
|	Mg									
|	Al									
|	Si									
|	P									
|	S									
|	Cl									
|	K									
|	Ca									
|>	Sc	83.191								
|	Ti									
|	Ti									
|	V									
|	ClO									
|	Cr									

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.322
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.907
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.801
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time Tuesday August 30 2011 12:31:51
Autosampl Position: 142
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.18895
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6295.517		ug/L						
Be	9	-0.016771	8.333	ug/L	0.011					
B	10	0.037037	75.668	ug/L	0.111					
B	11	0.190649	357.344	ug/L	0.01					
C	12	349592.95		ug/L						
Na	23	7.715582	53774.11	ug/L	0.608					
Mg	24	0.918732	3671.122	ug/L	0.222					
Mg	25	0.87935	520.068	ug/L	0.408					
Al	27	5.379786	33809.47	ug/L	0.01					
Si	28	57419.863		ug/L						
P	31	4.464968	8948.63	ug/L	0.003					
S	32	90898537		ug/L						
Cl	35	8641759.1		ug/L						
K	39	6.454906	859593.7	ug/L	1.495					
Ca	44	-79.31459	27497.61	ug/L	3.34					
Sc	45	158875.05		ug/L						
Ti	47	-0.04511	163.003	ug/L	0.004					
Ti	48	0.414292	-639.794	ug/L	0.129					
V	51	0.061459	32316.33	ug/L	0.007					
ClO	51	32723.454		ug/L						
Cr	52	0.156831	8035.17	ug/L	0.005					
Cr	53	-0.091824	10577.92	ug/L	0.018					
Fe	54	11.357788	53495.43	ug/L	5.35					
Mn	55	-0.140604	1744.519	ug/L	0.018					
Fe	56	44.154749	3056572	ug/L	1.866					
Fe	57	4.290381	9659.428	ug/L	0.942					
Co	59	0.012162	225.338	ug/L	0.006					
Ni	60	0.084463	258.34	ug/L	0.005					
Ni	62	0.092687	76.668	ug/L	0.029					
Cu	63	0.179257	1059.406	ug/L	0.002					
Zn	64	0.654896	2561.266	ug/L	0.041					
Cu	65	0.173257	493.685	ug/L	0.008					
Zn	66	0.664761	1532.811	ug/L	0.003					
Zn	68	0.583199	1125.414	ug/L	0.008					
Ge	72	145482.18		ug/L						
As	75	0.013011	-158.319	ug/L	0.015					
Se	74	58.031243	15178.91	mg/L	48.868					
ArCl	77	656.364		ug/L						

Br	79	1940.893	ug/L						
Br	81	23326.138	ug/L						
Y	89	398560.42	ug/L						
Mo	95	0.310154	1258.433	ug/L	0.002				
Rh	103	419622.76	ug/L						
Ag	107	0.324665	4625.223	ug/L	0.014				
Ag	109	0.326834	4438.128	ug/L	0.019				
Cd	111	0.011124	63.001	ug/L	0.006				
Cd	114	-0.04014	139.002	ug/L	0.001				
In	115	545685.18	ug/L						
Sb	121	0.805962	9358.575	ug/L	0.015				
Sb	123	0.804444	7179.848	ug/L	0.037				
Ba	137	0.019094	156.003	ug/L	0.005				
Ba	138	0.018193	876.216	ug/L	0.004				
Tb	159	651482.29	ug/L						
Ho	165	623481.98	ug/L						
Hg	200	0.000777	22	ug/L	0				
Hg	202	-0.002974	20.334	ug/L	0.001				
Tl	205	0.005054	531.354	ug/L	0.003				
Pb	208	0.03666	2152.787	ug/L	0				
Bi	209	452821.88	ug/L						
Se	77	-1.117493	612.021	mg/L	0.557				
Se	78	-2.43679	14434.63	mg/L	0.682				
Se	82	0.297142	49.104	mg/L	0.01				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	87.925							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	82.62
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.018
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.036
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time Tuesday August 30 2011 12:38:19
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 1.18896
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8274.634		ug/L						
Be	9	0.007704	16.667	ug/L	0.031					
B	10	-0.230214	58.334	ug/L	0.41					
B	11	0.060367	322.676	ug/L	0.395					
C	12	366003.62		ug/L						
Na	23	23.712562	143744.7	ug/L	17.515					
Mg	24	2.644263	9837.598	ug/L	2.172					
Mg	25	2.658765	1443.614	ug/L	1.975					
Al	27	0.793864	8425.432	ug/L	1.016					
Si	28	89003.123		ug/L						
P	31	23.039666	15091.41	ug/L	11.678					
S	32	73176161		ug/L						
Cl	35	5904223.1		ug/L						
K	39	-6.296823	782457.6	ug/L	25.169					
Ca	44	-79.69358	28711.78	ug/L	23.95					
Sc	45	168694.19		ug/L						
Ti	47	-0.062795	157.003	ug/L	0.064					
Ti	48	0.340882	-1259.08	ug/L	0.034					
V	51	-0.515693	27784.93	ug/L	0.869					
ClO	51	28631.605		ug/L						
Cr	52	0.033107	7302.729	ug/L	0.289					
Cr	53	-2.004181	8982.961	ug/L	2.742					
Fe	54	135.81627	136160.4	ug/L	140.292					
Mn	55	-0.058614	2948.18	ug/L	0.058					
Fe	56	-21.08198	2473282	ug/L	120.98					
Fe	57	-2.174484	8438.272	ug/L	14.254					
Co	59	0.031051	422.683	ug/L	0.03					
Ni	60	0.039912	157.003	ug/L	0.039					
Ni	62	0.047619	63.334	ug/L	0.049					
Cu	63	0.075596	555.024	ug/L	0.056					
Zn	64	0.029944	1052.196	ug/L	0.145					
Cu	65	0.069395	248.006	ug/L	0.051					
Zn	66	0.004314	596.693	ug/L	0.169					
Zn	68	-0.00811	524.687	ug/L	0.16					
Ge	72	178721.66		ug/L						
As	75	0.514217	856.919	ug/L	0.439					
Se	74	5.174251	22787.5	mg/L	33.592					
ArCl	77	466.351		ug/L						

Br	79	1615.495	ug/L				
Br	81	19697.926	ug/L				
Y	89	521260.01	ug/L				
Mo	95	0.359621	1567.843	ug/L	0.318		
Rh	103	525603.42	ug/L				
Ag	107	0.182103	3154.026	ug/L	0.187		
Ag	109	0.190707	3093.35	ug/L	0.201		
Cd	111	0.02759	128.002	ug/L	0.032		
Cd	114	-0.022161	299.009	ug/L	0.034		
In	115	670012.62	ug/L				
Sb	121	0.502229	6869.704	ug/L	0.42		
Sb	123	0.50046	5271.811	ug/L	0.409		
Ba	137	0.044196	317.677	ug/L	0.047		
Ba	138	0.044332	1932.744	ug/L	0.045		
Tb	159	796836.52	ug/L				
Ho	165	758585.12	ug/L				
Hg	200	-0.002629	17	ug/L	0.001		
Hg	202	-0.003249	22.667	ug/L	0.002		
Tl	205	0.042018	1696.559	ug/L	0.053		
Pb	208	0.039974	2467.518	ug/L	0.049		
Bi	209	497909.34	ug/L				
Se	77	-2.19239	477.347	mg/L	1.746		
Se	78	-1.034903	15023.87	mg/L	0.667		
Se	82	-0.153456	-38.916	mg/L	0.383		

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.36							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	101.497
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	111.755
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	111.979
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time Tuesday August 30 2011 12:45:14
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 2.18897
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6356.888		ug/L						
Be	9	71.428749	23309.75	ug/L	0.464					
B	10	75.371616	5483.041	ug/L	1.228					
B	11	78.504151	27970.59	ug/L	1.711					
C	12	357835.08		ug/L						
Na	23	106.93828	599528.1	ug/L	1.836					
Mg	24	111.05961	391956	ug/L	3.167					
Mg	25	110.8029	56359.79	ug/L	1.395					
Al	27	108.68988	615231.4	ug/L	2.677					
Si	28	204335.38		ug/L						
P	31	3.007676	8631.705	ug/L	6.181					
S	32	87129613		ug/L						
Cl	35	8405047.2		ug/L						
K	39	1104.7632	10456280	ug/L	21.06					
Ca	44	21.022596	54494.95	ug/L	0.445					
Sc	45	160408.15		ug/L						
Ti	47	98.991732	70926.99	ug/L	0.654					
Ti	48	100.32545	739274.9	ug/L	1.3					
V	51	95.445812	976753.3	ug/L	0.551					
ClO	51	989685.55		ug/L						
Cr	52	96.654689	811953.9	ug/L	1.51					
Cr	53	93.046887	106896.2	ug/L	0.613					
Fe	54	118.64221	115103.5	ug/L	2.577					
Mn	55	95.042329	1260742	ug/L	0.549					
Fe	56	155.73638	4221312	ug/L	3.227					
Fe	57	108.1461	34425.16	ug/L	0.32					
Co	59	94.738009	959574.4	ug/L	0.088					
Ni	60	87.831282	209536	ug/L	0.102					
Ni	62	89.325865	32224.33	ug/L	0.623					
Cu	63	94.500133	479287.2	ug/L	0.103					
Zn	64	85.151204	214227.5	ug/L	0.239					
Cu	65	94.393775	232063.2	ug/L	0.248					
Zn	66	85.355478	125425.6	ug/L	0.94					
Zn	68	84.079379	89748.4	ug/L	0.509					
Ge	72	151031.04		ug/L						
As	75	102.66873	161942.8	ug/L	1.289					
Se	74	1.561028	19159.95	mg/L	69.214					
ArCl	77	12364.196		ug/L						

Br	79	2257.97	ug/L			
Br	81	23301.726	ug/L			
Y	89	402690.97	ug/L			
Mo	95	97.680365	379113.8	ug/L	4.089	
Rh	103	425748	ug/L			
Ag	107	42.411968	540414.2	ug/L	2.656	
Ag	109	42.605316	521834.3	ug/L	1.43	
Cd	111	96.007348	318048	ug/L	1.664	
Cd	114	98.064695	752212.9	ug/L	2.048	
In	115	557043.33	ug/L			
Sb	121	90.473957	982919.4	ug/L	4.617	
Sb	123	91.168545	762084.6	ug/L	6.316	
Ba	137	102.57539	551758.4	ug/L	1.601	
Ba	138	108.73106	3733589	ug/L	2.226	
Tb	159	656339.61	ug/L			
Ho	165	636164.38	ug/L			
Hg	200	0.954199	2216.292	ug/L	0.016	
Hg	202	0.940733	2874.483	ug/L	0.016	
Tl	205	107.68258	3169623	ug/L	1.61	
Pb	208	100.85021	4116688	ug/L	1.129	
Bi	209	483484.18	ug/L			
Se	77	90.734043	12120.08	mg/L	2.321	
Se	78	87.534917	52251.15	mg/L	0.926	
Se	82	84.310527	16460.28	mg/L	1.311	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	70.722							
|	B	75.146							
|	B	78.269							
|	C								
|	Na	105.566							
|	Mg	109.96							
|	Mg	109.706							
|	Al	108.257							
|	Si								
|	P								
|	S								
|	Cl								
|	K	110.146							
|	Ca	20.835							
|>	Sc	88.774							
|	Ti	98.992							
|	Ti	100.325							
|	V	95.066							
|	ClO								
|	Cr	95.698							

	Cr	92.126
	Fe	117.935
	Mn	94.664
	Fe	154.808
	Fe	107.501
	Co	94.173
	Ni	87.134
	Ni	88.617
	Cu	94.595
	Zn	84.559
	Cu	94.488
	Zn	84.762
-	Zn	83.495
>	Ge	85.771
	As	103.288
	Se	1.558
	ArCl	
	Br	
	Br	
	Y	
-	Mo	97.388
-	Rh	
	Ag	42.075
	Ag	42.267
	Cd	95.53
	Cd	97.577
>	In	92.912
	Sb	90.203
	Sb	90.896
	Ba	101.862
-	Ba	107.975
-	Tb	
>	Ho	93.908
	Hg	95.42
	Hg	94.073
	Tl	107.683
	Pb	100.85
-	Bi	
	Se	90.553
	Se	87.36
	Se	84.142

Sample ID: QC Std 5
Sample Date/Time Tuesday August 30 2011 12:52:09
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 5.18898
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6339.543		ug/L						
Be	9	31.291633	10126.07	ug/L	0.213					
B	10	127.8131	9162.04	ug/L	0.548					
B	11	129.58254	45554.98	ug/L	0.512					
C	12	355520.43		ug/L						
Na	23	7.21339	51095.11	ug/L	0.322					
Mg	24	0.510556	2250.506	ug/L	0.085					
Mg	25	0.458483	310.036	ug/L	0.039					
Al	27	193.23589	1080588	ug/L	5.622					
Si	28	102039.65		ug/L						
P	31	1.075957	8017.697	ug/L	4.061					
S	32	86870135		ug/L						
Cl	35	7999546.3		ug/L						
K	39	5.039237	847674.7	ug/L	1.744					
Ca	44	-81.17074	27022.8	ug/L	1.043					
Sc	45	158936.07		ug/L						
Ti	47	0.288841	399.013	ug/L	0.101					
Ti	48	0.66417	1195.975	ug/L	0.091					
V	51	24.304523	270074	ug/L	0.196					
ClO	51	277375.71		ug/L						
Cr	52	48.251706	404955.3	ug/L	0.896					
Cr	53	45.360914	57104.36	ug/L	0.235					
Fe	54	208.68296	164752.7	ug/L	22.413					
Mn	55	102.80323	1350774	ug/L	1.276					
Fe	56	247.02178	5102776	ug/L	1.808					
Fe	57	189.87019	53351.5	ug/L	4.651					
Co	59	22.984338	230723.8	ug/L	0.321					
Ni	60	178.94135	422827.6	ug/L	5.861					
Ni	62	180.08206	64318.7	ug/L	2.483					
Cu	63	74.254311	373152.7	ug/L	0.934					
Zn	64	88.788068	221266.4	ug/L	1.312					
Cu	65	73.942859	180108.8	ug/L	1.572					
Zn	66	88.805833	129273	ug/L	0.16					
Zn	68	90.725871	95904.17	ug/L	1.487					
Ge	72	151502.76		ug/L						
As	75	43.797123	69191.06	ug/L	0.701					
Se	74	54.316016	16072.78	mg/L	20.628					
ArCl	77	19039.441		ug/L						

Br	79	2034.917	ug/L				
Br	81	22847.251	ug/L				
Y	89	401823.85	ug/L				
Mo	95	42.857047	166809	ug/L	2.059		
Rh	103	419108.96	ug/L				
Ag	107	45.739129	585003.5	ug/L	2.022		
Ag	109	49.153108	603159.6	ug/L	2.541		
Cd	111	22.19547	73701.62	ug/L	0.841		
Cd	114	22.59975	174067.1	ug/L	0.844		
In	115	558445.42	ug/L				
Sb	121	49.30418	537289.2	ug/L	1.921		
Sb	123	49.142768	412117.4	ug/L	1.948		
Ba	137	144.29928	777643.5	ug/L	6.875		
Ba	138	153.89229	5295371	ug/L	5.76		
Tb	159	657683.45	ug/L				
Ho	165	634540.44	ug/L				
Hg	200	1.017894	2356.329	ug/L	0.023		
Hg	202	1.019051	3102.894	ug/L	0.008		
Tl	205	13.733538	403564.8	ug/L	0.295		
Pb	208	104.93768	4272785	ug/L	0.835		
Bi	209	462118	ug/L				
Se	77	144.59974	18868.9	mg/L	1.734		
Se	78	140.48638	74507.48	mg/L	2.579		
Se	82	137.46309	26843.1	mg/L	2.014		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	73.455							
|	B	79.883							
|	B	80.989							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	109.793							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	87.959							
|	Ti								
|	Ti								
|	V	97.609							
|	ClO								
|	Cr	98.073							

	Cr	92.197
	Fe	116.583
	Mn	96.984
	Fe	138.001
	Fe	106.073
	Co	98.645
	Ni	87.716
	Ni	88.276
	Cu	94.954
	Zn	84.56
	Cu	94.556
	Zn	84.577
-	Zn	86.406
>	Ge	86.039
	As	111.16
	Se	33.948
	ArCl	
	Br	
	Br	
	Y	
-	Mo	102.284
-	Rh	
	Ag	90.933
	Ag	97.72
	Cd	95.67
	Cd	97.413
>	In	93.146
	Sb	106.03
	Sb	105.683
	Ba	102.34
-	Ba	109.143
-	Tb	
>	Ho	93.668
	Hg	101.789
	Hg	101.905
	Tl	96.715
	Pb	100.902
-	Bi	
	Se	90.375
	Se	87.804
	Se	85.914

Sample ID: QC Std 6
Sample Date/Time Tuesday August 30 2011 12:59:03
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata Std 6.18899
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6035.336		ug/L						
Be	9	-0.020244	8.333	ug/L	0.001					
B	10	0.301026	108.668	ug/L	0.12					
B	11	0.430021	507.686	ug/L	0.09					
C	12	361229.62		ug/L						
Na	23	9912.1189	62135789	ug/L	143.064					
Mg	24	10056.709	40434124	ug/L	122.004					
Mg	25	10141.327	5875446	ug/L	19.594					
Al	27	10648.316	68318729	ug/L	186.548					
Si	28	52157.785		ug/L						
P	31	11088.517	3501824	ug/L	171.273					
S	32	83344472		ug/L						
Cl	35	7185516.3		ug/L						
K	39	9419.9553	94718481	ug/L	332.539					
Ca	44	9412.2118	2915395	ug/L	206.079					
Sc	45	182961.45		ug/L						
Ti	47	23.76235	19588.95	ug/L	0.674					
Ti	48	7.172596	56341.14	ug/L	1.15					
V	51	-0.823284	27226.99	ug/L	0.019					
ClO	51	28132.409		ug/L						
Cr	52	0.03751	8119.834	ug/L	0.01					
Cr	53	-2.804406	8985.528	ug/L	0.006					
Fe	54	10066.116	6590092	ug/L	105.843					
Mn	55	-0.150789	1856.877	ug/L	0.017					
Fe	56	9986.9793	1.19E+08	ug/L	134.018					
Fe	57	10554.053	2869637	ug/L	135.242					
Co	59	0.026796	429.014	ug/L	0					
Ni	60	0.230426	694.7	ug/L	0.006					
Ni	62	0.03742	65.668	ug/L	0.001					
Cu	63	0.201847	1350.447	ug/L	0.011					
Zn	64	0.43353	2318.127	ug/L	0.031					
Cu	65	0.121533	423.347	ug/L	0.007					
Zn	66	0.357804	1253.099	ug/L	0.004					
Zn	68	0.289235	940.058	ug/L	0.031					
Ge	72	149638.97		ug/L						
As	75	0.102034	-24.677	ug/L	0.061					
Se	74	122.6175	11822.21	mg/L	16.263					
ArCl	77	619.027		ug/L						

Br	79	2285.979	ug/L						
Br	81	22568.539	ug/L						
Y	89	397247.05	ug/L						
Mo	95	0.399806	1637.165	ug/L	0.055				
Rh	103	400242.26	ug/L						
Ag	107	0.383328	5370.984	ug/L	0.052				
Ag	109	0.38092	5100.159	ug/L	0.053				
Cd	111	0.011761	65.334	ug/L	0.001				
Cd	114	-0.035543	174.003	ug/L	0.002				
In	115	547032.4	ug/L						
Sb	121	1.022797	11694.67	ug/L	0.102				
Sb	123	1.000609	8809.003	ug/L	0.093				
Ba	137	0.056858	356.011	ug/L	0.004				
Ba	138	0.059152	2260.503	ug/L	0.001				
Tb	159	648450.06	ug/L						
Ho	165	625095.71	ug/L						
Hg	200	0.012995	49.667	ug/L	0.002				
Hg	202	0.011597	63.668	ug/L	0.001				
Tl	205	0.010832	699.701	ug/L	0.002				
Pb	208	0.041088	2335.474	ug/L	0.004				
Bi	209	451521.95	ug/L						
Se	77	-1.106851	613.354	mg/L	0.151				
Se	78	-2.685876	14329.94	mg/L	0.172				
Se	82	0.284503	46.635	mg/L	0.06				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	99.121							
|	Mg	100.567							
|	Mg	101.413							
|	Al	106.483							
|	Si								
|	P	110.885							
|	S								
|	Cl								
|	K	94.2							
|	Ca	94.122							
|>	Sc	101.256							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

|	Cr	
|	Fe	100.661
|	Mn	
|	Fe	99.87
|	Fe	105.541
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	84.981
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	91.242
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	92.274
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

eastern analytical, inc.

professional laboratory services

Metals Analysis
Raw Data
August 31, 2011

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

Sample ID: Blank
Sample Date/Time: Wednesday August 31 2011 9:17:37
Autosampl Position: 1
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\Blank.18990
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7261.569						ug/L		
Be	9	4						ug/L		
B	10	51.334						ug/L		
B	11	236.672						ug/L		
C	12	379492.72						ug/L		
Na	23	22510.082						ug/L		
Mg	24	743.44						ug/L		
Mg	25	86.676						ug/L		
Al	27	3471.014						ug/L		
Si	28	65028.291						ug/L		
P	31	7400.422						ug/L		
S	32	75099544						ug/L		
Cl	35	6793990.9						ug/L		
K	39	716272.86						ug/L		
Ca	44	33193.811						ug/L		
Sc	45	128611.63						ug/L		
Ti	47	158.336						ug/L		
Ti	48	-2447.638						ug/L		
V	51	20543.392						ug/L		
ClO	51	21137.092						ug/L		
Cr	52	5662.2						ug/L		
Cr	53	6689.194						ug/L		
Fe	54	39523.247						ug/L		
Mn	55	1103.745						ug/L		
Fe	56	1671577.3						ug/L		
Fe	57	6366.199						ug/L		
Co	59	114.669						ug/L		
Ni	60	61.667						ug/L		
Ni	62	34.667						ug/L		
Cu	63	162.003						ug/L		
Zn	64	924.212						ug/L		
Cu	65	52.334						ug/L		
Zn	66	531.354						ug/L		
Zn	68	436.682						ug/L		
Ge	72	130878.05						ug/L		
As	75	5.591						ug/L		
Se	74	10961.957						mg/L		
ArCl	77	434.348						ug/L		

Br	79	2102.598	ug/L
Br	81	17311.975	ug/L
Y	89	354689.75	ug/L
Mo	95	100.668	ug/L
Rh	103	342572.72	ug/L
Ag	107	488.351	ug/L
Ag	109	457.683	ug/L
Cd	111	20	ug/L
Cd	114	61.667	ug/L
In	115	463996.69	ug/L
Sb	121	844.381	ug/L
Sb	123	630.641	ug/L
Ba	137	64.668	ug/L
Ba	138	268.771	ug/L
Tb	159	561582.96	ug/L
Ho	165	546137.82	ug/L
Hg	200	17	ug/L
Hg	202	18.334	ug/L
Tl	205	272.34	ug/L
Pb	208	541.678	ug/L
Bi	209	403741.29	ug/L
Se	77	461.345	mg/L
Se	78	12423.581	mg/L
Se	82	30.75	mg/L

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho
| Hg
| Hg
| Tl
| Pb
|- Bi
  Se
  Se
  Se

Sample ID: Standard 1
Sample Date/Time: Wednesday August 31 2011 9:24:01
Autosampl Position: 2
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 1.18991
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7082.758						ug/L		
Be	9	7.333						ug/L		
B	10	46.667						ug/L		
B	11	231.005						ug/L		
C	12	388666.06						ug/L		
Na	23	23171.808						ug/L		
Mg	24	1363.573						ug/L		
Mg	25	146.683						ug/L		
Al	27	5712.37						ug/L		
Si	28	69048.12						ug/L		
P	31	6956.692						ug/L		
S	32	74077848						ug/L		
Cl	35	6684250.4						ug/L		
K	39	716386.16						ug/L		
Ca	44	34277.924						ug/L		
Sc	45	131438.03						ug/L		
Ti	47	174.337						ug/L		
Ti	48	-2302.804						ug/L		
V	51	21057.241						ug/L		
ClO	51	21748.212						ug/L		
Cr	52	5600.8						ug/L		
Cr	53	6858.655						ug/L		
Fe	54	38616.899						ug/L		
Mn	55	1112.079						ug/L		
Fe	56	1597335.5						ug/L		
Fe	57	6199.401						ug/L		
Co	59	103.335						ug/L		
Ni	60	74.668						ug/L		
Ni	62	34.667						ug/L		
Cu	63	2624.405						ug/L		
Zn	64	2336.354						ug/L		
Cu	65	1273.435						ug/L		
Zn	66	1407.79						ug/L		
Zn	68	1082.409						ug/L		
Ge	72	131535.44						ug/L		
As	75	-104.703						ug/L		
Se	74	7869.208						mg/L		
ArCl	77	442.349						ug/L		

Br	79	2140.274	ug/L						
Br	81	17582.162	ug/L						
Y	89	355343.83	ug/L						
Mo	95	102.002	ug/L						
Rh	103	347903.64	ug/L						
Ag	107	392.346	ug/L						
Ag	109	366.678	ug/L						
Cd	111	20	ug/L						
Cd	114	58.334	ug/L						
In	115	454531.72	ug/L						
Sb	121	720.702	ug/L						
Sb	123	585.05	ug/L						
Ba	137	65.334	ug/L						
Ba	138	301.354	ug/L						
Tb	159	556444.01	ug/L						
Ho	165	527046.53	ug/L						
Hg	200	0.1	217.338	ug/L	0.013				
Hg	202	0.1	266.673	ug/L	0.001				
Tl	205	267.34	ug/L						
Pb	208	1392.389	ug/L						
Bi	209	396509.21	ug/L						
Se	77	409.343	mg/L						
Se	78	12070.822	mg/L						
Se	82	2.009	mg/L						

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho
| Hg
| Hg
| Tl
| Pb
|- Bi
  Se
  Se
  Se

Sample ID: Standard 2
Sample Date/Time: Wednesday August 31 2011 9:30:27
Autosampl Position: 3
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 2.18992
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7112.116						ug/L		
Be	9	9.333						ug/L		
B	10	52.667						ug/L		
B	11	215.005						ug/L		
C	12	375230.83						ug/L		
Na	23	33063.325						ug/L		
Mg	24	1253.546						ug/L		
Mg	25	193.355						ug/L		
Al	27	7533.875						ug/L		
Si	28	73876.317						ug/L		
P	31	6082.643						ug/L		
S	32	71197638						ug/L		
Cl	35	6746899.6						ug/L		
K	39	707771.22						ug/L		
Ca	44	34187.575						ug/L		
Sc	45	130496.61						ug/L		
Ti	47	156.003						ug/L		
Ti	48	-2214.03						ug/L		
V	51	21480.241						ug/L		
ClO	51	22304.558						ug/L		
Cr	52	5783.536						ug/L		
Cr	53	7135.871						ug/L		
Fe	54	39121.724						ug/L		
Mn	55	1083.409						ug/L		
Fe	56	1607472.4						ug/L		
Fe	57	6406.244						ug/L		
Co	59	105.668						ug/L		
Ni	60	78.001						ug/L		
Ni	62	46.334						ug/L		
Cu	63	874.384						ug/L		
Zn	64	2427.595						ug/L		
Cu	65	420.014						ug/L		
Zn	66	1463.132						ug/L		
Zn	68	1133.415						ug/L		
Ge	72	127422.17						ug/L		
As	75	-82.757						ug/L		
Se	74	10847.201						mg/L		
ArCl	77	451.682						ug/L		

Br	79	2133.273	ug/L						
Br	81	17553.445	ug/L						
Y	89	352762.76	ug/L						
Mo	95	103.002	ug/L						
Rh	103	341066.22	ug/L						
Ag	107	390.012	ug/L						
Ag	109	345.01	ug/L						
Cd	111	27.667	ug/L						
Cd	114	61.667	ug/L						
In	115	448901.73	ug/L						
Sb	121	746.038	ug/L						
Sb	123	544.841	ug/L						
Ba	137	156.336	ug/L						
Ba	138	847.117	ug/L						
Tb	159	543502.61	ug/L						
Ho	165	525050.19	ug/L						
Hg	200	0.999353	1896.884	ug/L	0.03				
Hg	202	0.999729	2432.35	ug/L	0.02				
Tl	205	265.007	ug/L						
Pb	208	1152.707	ug/L						
Bi	209	390251.67	ug/L						
Se	77	436.01	mg/L						
Se	78	12116.175	mg/L						
Se	82	13.666	mg/L						

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho
| Hg
| Hg
| Tl
| Pb
|- Bi
  Se
  Se
  Se

Sample ID: Standard 3
Sample Date/Time: Wednesday August 31 2011 9:36:53
Autosampl Position: 4
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 3.18993
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7192.179						ug/L		
Be	9	9						ug/L		
B	10	49.334						ug/L		
B	11	231.005						ug/L		
C	12	499922.97						ug/L		
Na	23	21835.041						ug/L		
Mg	24	1326.896						ug/L		
Mg	25	196.689						ug/L		
Al	27	7764.092						ug/L		
Si	28	75230.882						ug/L		
P	31	6359.542						ug/L		
S	32	75122249						ug/L		
Cl	35	6687174.1						ug/L		
K	39	707951.37						ug/L		
Ca	44	31761.892						ug/L		
Sc	45	133514.63						ug/L		
Ti	47	174.003						ug/L		
Ti	48	-2180.93						ug/L		
V	51	22130.796						ug/L		
ClO	51	22675.146						ug/L		
Cr	52	5600.849						ug/L		
Cr	53	7159.557						ug/L		
Fe	54	38879.116						ug/L		
Mn	55	1008.399						ug/L		
Fe	56	1588438.8						ug/L		
Fe	57	6476.293						ug/L		
Co	59	106.335						ug/L		
Ni	60	66.668						ug/L		
Ni	62	34.334						ug/L		
Cu	63	167.337						ug/L		
Zn	64	2608.714						ug/L		
Cu	65	72.001						ug/L		
Zn	66	1615.493						ug/L		
Zn	68	1161.086						ug/L		
Ge	72	127313.41						ug/L		
As	75	-97.03						ug/L		
Se	74	10404.497						mg/L		
ArCl	77	445.349						ug/L		

Br	79	2126.27	ug/L						
Br	81	17269.228	ug/L						
Y	89	347512.77	ug/L						
Mo	95	94.668	ug/L						
Rh	103	339519.99	ug/L						
Ag	107	326.009	ug/L						
Ag	109	312.009	ug/L						
Cd	111	21.334	ug/L						
Cd	114	49.667	ug/L						
In	115	445757.65	ug/L						
Sb	121	691.7	ug/L						
Sb	123	515.045	ug/L						
Ba	137	65.001	ug/L						
Ba	138	274.46	ug/L						
Tb	159	552654.53	ug/L						
Ho	165	524622.41	ug/L						
Hg	200	4.995333	9197.41	ug/L	0.094				
Hg	202	5.000745	12130.88	ug/L	0.127				
Tl	205	253.006	ug/L						
Pb	208	540.678	ug/L						
Bi	209	408694.75	ug/L						
Se	77	429.344	mg/L						
Se	78	12121.353	mg/L						
Se	82	3.29	mg/L						

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho
| Hg
| Hg
| Tl
| Pb
|- Bi
  Se
  Se
  Se

Sample ID: Standard 4
Sample Date/Time: Wednesday August 31 2011 9:43:19
Autosampl Position: 9
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 4.18994
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7000.027		ug/L						
Be	9	0.5	117.002	ug/L	0.054					
B	10	0.5	80.001	ug/L	0.03					
B	11	0.5	351.01	ug/L	0.005					
C	12	446439.52		ug/L						
Na	23	25755.676		ug/L						
Mg	24	2640.648		ug/L						
Mg	25	393.381		ug/L						
Al	27	8718.383		ug/L						
Si	28	68574.575		ug/L						
P	31	7323.714		ug/L						
S	32	73954596		ug/L						
Cl	35	6465239.3		ug/L						
K	39	699940.79		ug/L						
Ca	44	31022.606		ug/L						
Sc	45	132159.23		ug/L						
Ti	47	0.5	457.683	ug/L	0.002					
Ti	48	0.5	696.345	ug/L	0.008					
V	51	0.5	25334.19	ug/L	0.166					
ClO	51	26257.814		ug/L						
Cr	52	0.5	8621.312	ug/L	0.023					
Cr	53	0.5	7636.95	ug/L	0.211					
Fe	54	38168.731		ug/L						
Mn	55	0.5	5957.011	ug/L	0.015					
Fe	56	1592166.9		ug/L						
Fe	57	6536.337		ug/L						
Co	59	0.5	3655.438	ug/L	0.002					
Ni	60	0.5	853.382	ug/L	0.028					
Ni	62	0.5	155.67	ug/L	0.031					
Cu	63	0.5	2439.352	ug/L	0.009					
Zn	64	0.5	2732.312	ug/L	0.006					
Cu	65	0.5	1181.755	ug/L	0.002					
Zn	66	0.5	1621.494	ug/L	0.016					
Zn	68	0.5	1228.095	ug/L	0.036					
Ge	72	124687.95		ug/L						
As	75	0.5	514.636	ug/L	0.045					
Se	74	0.5	12091.66	mg/L	0.431					
ArCl	77	481.351		ug/L						

Br	79	2113.6	ug/L						
Br	81	18009.004	ug/L						
Y	89	352293.91	ug/L						
Mo	95	0.5	1652.5	ug/L	0.001				
Rh	103	331054.85	ug/L						
Ag	107	0.5	4326.075	ug/L	0.04				
Ag	109	0.5	4103.301	ug/L	0.022				
Cd	111	0.5	1213.76	ug/L	0.001				
Cd	114	0.5	2849.475	ug/L	0.01				
In	115	433679.41	ug/L						
Sb	121	0.5	4378.099	ug/L	0.03				
Sb	123	0.5	3252.973	ug/L	0.008				
Ba	137	0.5	2117.601	ug/L	0.015				
Ba	138	0.5	13366.42	ug/L	0.008				
Tb	159	533668.1	ug/L						
Ho	165	516921.75	ug/L						
Hg	200	0.029638	69.668	ug/L	0.009				
Hg	202	0.030903	91.001	ug/L	0.008				
Tl	205	0.5	11448.32	ug/L	0.003				
Pb	208	0.5	16291.6	ug/L	0.014				
Bi	209	394076.68	ug/L						
Se	77	0.5	453.345	mg/L	0.236				
Se	78	0.5	12698.1	mg/L	0.096				
Se	82	0.5	63.615	mg/L	0.014				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho
| Hg
| Hg
| Tl
| Pb
|- Bi
  Se
  Se
  Se

Sample ID: Standard 5
Sample Date/Time: Wednesday August 31 2011 9:49:46
Autosampl Position: 10
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 5.18995
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7310.939		ug/L						
Be	9	5.001305	1143.417	ug/L	0.053					
B	10	4.996132	300.675	ug/L	0.158					
B	11	5.006941	1472.801	ug/L	0.125					
C	12	448022.38		ug/L						
Na	23	45005.619		ug/L						
Mg	24	16125.92		ug/L						
Mg	25	2280.515		ug/L						
Al	27	26895.778		ug/L						
Si	28	63493.964		ug/L						
P	31	7280.366		ug/L						
S	32	73370769		ug/L						
Cl	35	6693961.1		ug/L						
K	39	733682.28		ug/L						
Ca	44	31511.012		ug/L						
Sc	45	130017.85		ug/L						
Ti	47	4.994241	2759.781	ug/L	0.306					
Ti	48	4.992934	25174.87	ug/L	0.072					
V	51	4.995399	58918.57	ug/L	0.019					
ClO	51	60791.207		ug/L						
Cr	52	5.004606	36141.56	ug/L	0.108					
Cr	53	4.963391	11084.53	ug/L	0.125					
Fe	54	41714.941		ug/L						
Mn	55	5.001652	50218.53	ug/L	0.086					
Fe	56	1656205.3		ug/L						
Fe	57	7183.556		ug/L						
Co	59	5.001913	36316.77	ug/L	0.037					
Ni	60	4.999074	7696.334	ug/L	0.027					
Ni	62	4.998294	1177.421	ug/L	0.005					
Cu	63	4.988835	18404.46	ug/L	0.056					
Zn	64	4.963905	11046.71	ug/L	0.024					
Cu	65	4.98677	8803.35	ug/L	0.181					
Zn	66	4.96212	6513.064	ug/L	0.073					
Zn	68	4.96234	4784.973	ug/L	0.043					
Ge	72	126429.08		ug/L						
As	75	5.008379	6217.789	ug/L	0.024					
Se	74	4.80568	13865.8	mg/L	1.103					
ArCl	77	896.72		ug/L						

Br		79	2144.941	ug/L					
Br		81	17145.346	ug/L					
Y		89	355705.08	ug/L					
Mo		95	4.997664	15169.46	ug/L	0.025			
Rh		103	337710.43	ug/L					
Ag		107	5.003742	44188.25	ug/L	0.009			
Ag		109	5.004976	43114.12	ug/L	0.042			
Cd		111	4.997601	11918.26	ug/L	0.096			
Cd		114	4.997326	27715.46	ug/L	0.024			
In		115	452802.73	ug/L					
Sb		121	4.998062	36892.78	ug/L	0.07			
Sb		123	4.999797	28315.39	ug/L	0.052			
Ba		137	4.995991	19931.02	ug/L	0.061			
Ba		138	4.997509	130613.4	ug/L	0.076			
Tb		159	553228.62	ug/L					
Ho		165	536343.76	ug/L					
Hg		200	0.009958	35.334	ug/L	0.003			
Hg		202	0.008496	39	ug/L	0.001			
Tl		205	4.99787	111548	ug/L	0.115			
Pb		208	4.997603	156672.5	ug/L	0.094			
Bi		209	402929.19	ug/L					
Se		77	5.058525	936.048	mg/L	0.442			
Se		78	4.969847	14125.71	mg/L	1.869			
Se		82	5.026264	726.702	mg/L	0.153			
QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho
| Hg
| Hg
| Tl
| Pb
|- Bi
  Se
  Se
  Se

Sample ID: Standard 6
Sample Date/Time: Wednesday August 31 2011 9:56:12
Autosampl Position: 11
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 6.18996
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7265.575		ug/L						
Be	9	20.067615	4724.942	ug/L	0.445					
B	10	20.079384	1093.077	ug/L	0.581					
B	11	20.024882	5150.177	ug/L	0.302					
C	12	656984.96		ug/L						
Na	23	109705.6		ug/L						
Mg	24	62896.438		ug/L						
Mg	25	8394.722		ug/L						
Al	27	97779.425		ug/L						
Si	28	62624.575		ug/L						
P	31	7113.496		ug/L						
S	32	74541666		ug/L						
Cl	35	6478447.9		ug/L						
K	39	831858.8		ug/L						
Ca	44	35720.272		ug/L						
Sc	45	127043.01		ug/L						
Ti	47	20.031482	10599.28	ug/L	0.871					
Ti	48	20.020143	107617.6	ug/L	0.9					
V	51	20.003747	169975.7	ug/L	0.534					
ClO	51	171148.62		ug/L						
Cr	52	20.046965	129236.5	ug/L	0.046					
Cr	53	19.844354	21633.93	ug/L	0.667					
Fe	54	46951.295		ug/L						
Mn	55	20.05464	202089.6	ug/L	0.771					
Fe	56	1784085.8		ug/L						
Fe	57	10320.219		ug/L						
Co	59	20.027272	144840.1	ug/L	0.393					
Ni	60	20.047541	31142.23	ug/L	0.173					
Ni	62	20.070667	4781.638	ug/L	0.308					
Cu	63	20.031048	73518.14	ug/L	0.402					
Zn	64	19.842763	36031.65	ug/L	0.377					
Cu	65	20.042062	35602.27	ug/L	0.143					
Zn	66	19.86096	21575.45	ug/L	0.359					
Zn	68	19.829649	15373.48	ug/L	0.256					
Ge	72	125384.08		ug/L						
As	75	19.991097	24425.25	ug/L	0.147					
Se	74	6.212995	10856.54	mg/L	38.385					
ArCl	77	2365.331		ug/L						

Br	79	2091.595	ug/L						
Br	81	17136.315	ug/L						
Y	89	339594.01	ug/L						
Mo	95	20.052149	62655.53	ug/L	0.446				
Rh	103	332355.16	ug/L						
Ag	107	20.067474	181798.6	ug/L	0.527				
Ag	109	20.064151	176888.6	ug/L	0.279				
Cd	111	20.037163	48146.31	ug/L	0.691				
Cd	114	20.052755	113469.6	ug/L	0.3				
In	115	443487.56	ug/L						
Sb	121	20.07224	151292.2	ug/L	0.191				
Sb	123	20.070026	115880.7	ug/L	0.159				
Ba	137	20.051807	81495.15	ug/L	0.326				
Ba	138	20.010389	515518.6	ug/L	0.695				
Tb	159	541355.95	ug/L						
Ho	165	522286.38	ug/L						
Hg	200	0.004422	24.334	ug/L	0.001				
Hg	202	0.00491	29.334	ug/L	0.003				
Tl	205	20.044267	450755.7	ug/L	0.238				
Pb	208	20.039788	630115	ug/L	0.5				
Bi	209	388068.71	ug/L						
Se	77	19.91975	2218.938	mg/L	0.599				
Se	78	19.800486	18279.64	mg/L	0.423				
Se	82	19.908337	2600.729	mg/L	0.706				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
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| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho
| Hg
| Hg
| Tl
| Pb
|- Bi
  Se
  Se
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Sample ID: Standard 7
Sample Date/Time: Wednesday August 31 2011 10:02:40
Autosampl Position: 12
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 7.18997
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7435.043		ug/L						
Be	9	0.010551	6.667	ug/L	0					
B	10	-0.127745	45.667	ug/L	0.186					
B	11	0.004119	243.339	ug/L	0.028					
C	12	454603.95		ug/L						
Na	23	100	455040.5	ug/L	2.044					
Mg	24	100	295024.9	ug/L	2.602					
Mg	25	100	42034.57	ug/L	4.076					
Al	27	100	449282.2	ug/L	1.049					
Si	28	53975.142		ug/L						
P	31	100	30949.02	ug/L	1.995					
S	32	71810655		ug/L						
Cl	35	6417730.4		ug/L						
K	39	100	1312663	ug/L	2.018					
Ca	44	100	50746.31	ug/L	3.152					
Sc	45	131661.22		ug/L						
Ti	47	0.400096	378.345	ug/L	0.019					
Ti	48	0.311864	-728.646	ug/L	0.011					
V	51	0.127751	22021.87	ug/L	0.06					
ClO	51	22500.369		ug/L						
Cr	52	-0.05474	5446.589	ug/L	0.005					
Cr	53	0.553921	7282.655	ug/L	0.053					
Fe	54	100	88785.07	ug/L	6.108					
Mn	55	-0.014774	976.396	ug/L	0.001					
Fe	56	100	3053298	ug/L	1.208					
Fe	57	100	24726.13	ug/L	9.113					
Co	59	-0.002142	101.335	ug/L	0.001					
Ni	60	0.000544	64.001	ug/L	0.002					
Ni	62	0.00213	36	ug/L	0.046					
Cu	63	0.148355	729.037	ug/L	0.009					
Zn	64	0.176934	1270.842	ug/L	0.074					
Cu	65	0.136755	305.008	ug/L	0.014					
Zn	66	0.229407	796.043	ug/L	0.06					
Zn	68	0.21335	613.694	ug/L	0.04					
Ge	72	127905.76		ug/L						
As	75	0.030634	43.064	ug/L	0.039					
Se	74	-6.329057	10325.6	mg/L	30.588					
ArCl	77	422.681		ug/L						

Br		79	2133.939	ug/L					
Br		81	17615.233	ug/L					
Y		89	353442.34	ug/L					
Mo		95	0.112642	456.349	ug/L	0.014			
Rh		103	329466.86	ug/L					
Ag		107	0.043421	876.384	ug/L	0.008			
Ag		109	0.044638	846.715	ug/L	0.017			
Cd		111	0.001971	24.334	ug/L	0.003			
Cd		114	-0.00152	51.334	ug/L	0.001			
In		115	452283.08	ug/L					
Sb		121	0.460616	4344.751	ug/L	0.04			
Sb		123	0.453123	3269.483	ug/L	0.035			
Ba		137	0.000231	64.001	ug/L	0.002			
Ba		138	0.001604	304.142	ug/L	0			
Tb		159	537902.44	ug/L					
Ho		165	517028.8	ug/L					
Hg		200	0.003468	22.334	ug/L	0.003			
Hg		202	0.005133	29.667	ug/L	0.003			
Tl		205	0.001082	281.674	ug/L	0.001			
Pb		208	0.008688	782.354	ug/L	0.003			
Bi		209	413061.46	ug/L					
Se		77	-0.196456	444.011	mg/L	0.791			
Se		78	-0.179745	12370.42	mg/L	1.113			
Se		82	0.034054	35.146	mg/L	0.22			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
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| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho
| Hg
| Hg
| Tl
| Pb
|- Bi
  Se
  Se
  Se

Sample ID: Standard 8
Sample Date/Time: Wednesday August 31 2011 10:09:07
Autosampl Position: 13
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 8.18998
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7404.348		ug/L						
Be	9	0.011033	7.333	ug/L	0.01					
B	10	-0.147648	48.001	ug/L	0.066					
B	11	-0.115683	229.005	ug/L	0.081					
C	12	424449.4		ug/L						
Na	23	1000.5595	4952783	ug/L	57.598					
Mg	24	1000.1458	3216256	ug/L	29.494					
Mg	25	999.2041	418329.3	ug/L	34.014					
Al	27	1000.5908	5107985	ug/L	10.802					
Si	28	53572.733		ug/L						
P	31	999.68422	252096.3	ug/L	2.292					
S	32	72877760		ug/L						
Cl	35	6160659.9		ug/L						
K	39	1001.5917	8221357	ug/L	20.414					
Ca	44	1001.5535	250582.1	ug/L	49.181					
Sc	45	141794.81		ug/L						
Ti	47	2.621412	1699.843	ug/L	0.102					
Ti	48	1.06807	3861.56	ug/L	0.088					
V	51	-0.127367	21578.8	ug/L	0.076					
ClO	51	22118.763		ug/L						
Cr	52	-0.123034	5395.514	ug/L	0.002					
Cr	53	-0.350677	7075.824	ug/L	0.302					
Fe	54	999.22315	525967.1	ug/L	37.991					
Mn	55	-0.010053	1104.745	ug/L	0.003					
Fe	56	994.23924	10957892	ug/L	30.784					
Fe	57	999.95303	202075.6	ug/L	53.219					
Co	59	0.00007	127.002	ug/L	0					
Ni	60	0.02554	112.002	ug/L	0.011					
Ni	62	0.006664	40	ug/L	0.008					
Cu	63	0.305649	1428.793	ug/L	0.015					
Zn	64	0.70274	2406.722	ug/L	0.031					
Cu	65	0.305975	663.698	ug/L	0.01					
Zn	66	0.745972	1467.467	ug/L	0.08					
Zn	68	0.763684	1123.081	ug/L	0.084					
Ge	72	126161.43		ug/L						
As	75	-0.090322	-105.556	ug/L	0.011					
Se	74	25.640871	12027.84	mg/L	11.353					
ArCl	77	440.682		ug/L						

Br		79	2050.252	ug/L					
Br		81	18038.746	ug/L					
Y		89	342203.41	ug/L					
Mo		95	0.039923	222.338	ug/L	0.001			
Rh		103	327896.76	ug/L					
Ag		107	0.003563	501.352	ug/L	0			
Ag		109	0.003705	472.35	ug/L	0.001			
Cd		111	0.001151	22	ug/L	0.001			
Cd		114	0.000947	64.668	ug/L	0.001			
In		115	445630.11	ug/L					
Sb		121	0.149785	1939.226	ug/L	0			
Sb		123	0.160995	1534.752	ug/L	0.005			
Ba		137	0.008164	95.335	ug/L	0.003			
Ba		138	0.010279	524.198	ug/L	0			
Tb		159	535695.87	ug/L					
Ho		165	514767.61	ug/L					
Hg		200	0.002021	19.667	ug/L	0.002			
Hg		202	0.004511	28	ug/L	0.001			
Tl		205	-0.000708	241.006	ug/L	0			
Pb		208	0.032995	1532.398	ug/L	0			
Bi		209	405413.7	ug/L					
Se		77	-0.272018	437.344	mg/L	0.128			
Se		78	-0.585379	12250.45	mg/L	0.227			
Se		82	-0.389112	-19.481	mg/L	0.341			
QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
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| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho
| Hg
| Hg
| Tl
| Pb
|- Bi
  Se
  Se
  Se

Sample ID: Standard 9
Sample Date/Time: Wednesday August 31 2011 10:15:33
Autosampl Position: 14
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ 9.18999
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7395.007		ug/L						
Be	9	0.008712	7.333	ug/L	0.01					
B	10	-0.118799	54.667	ug/L	0.051					
B	11	-0.102516	256.34	ug/L	0.028					
C	12	432179.97		ug/L						
Na	23	4982.8816	24939148	ug/L	14.801					
Mg	24	4980.0714	16037583	ug/L	146.054					
Mg	25	5000.2837	2304092	ug/L	311.407					
Al	27	4978.8582	25300998	ug/L	131.643					
Si	28	52985.941		ug/L						
P	31	4980.6536	1229246	ug/L	118.626					
S	32	68333644		ug/L						
Cl	35	6022518.4		ug/L						
K	39	4972.7209	36626351	ug/L	272.676					
Ca	44	4978.7827	1100115	ug/L	22.037					
Sc	45	156045.59		ug/L						
Ti	47	11.208923	7369.393	ug/L	0.376					
Ti	48	4.309462	26104.55	ug/L	0.366					
V	51	-0.423318	21022.16	ug/L	0.104					
ClO	51	21631.589		ug/L						
Cr	52	-0.158338	5669.846	ug/L	0.007					
Cr	53	-1.170475	7025.784	ug/L	0.116					
Fe	54	4993.852	2622791	ug/L	150.944					
Mn	55	0.005956	1412.124	ug/L	0.003					
Fe	56	4978.5875	47445587	ug/L	110.804					
Fe	57	4980.27	981900.1	ug/L	138.764					
Co	59	0.007891	209.338	ug/L	0.001					
Ni	60	0.090931	247.673	ug/L	0.014					
Ni	62	0.012196	45.667	ug/L	0.017					
Cu	63	0.140532	828.713	ug/L	0.002					
Zn	64	11.986045	27173.77	ug/L	0.311					
Cu	65	0.120916	326.676	ug/L	0.011					
Zn	66	11.92571	16165.19	ug/L	0.476					
Zn	68	11.93617	11575.81	ug/L	0.242					
Ge	72	127064.58		ug/L						
As	75	-0.064161	-74.108	ug/L	0.013					
Se	74	25.712852	12105.27	mg/L	41.987					
ArCl	77	442.349		ug/L						

Br		79	2085.927	ug/L					
Br		81	17873.734	ug/L					
Y		89	338550.56	ug/L					
Mo		95	0.023938	173.337	ug/L	0.004			
Rh		103	320071.14	ug/L					
Ag		107	0.014794	612.693	ug/L	0.004			
Ag		109	0.013084	563.69	ug/L	0.001			
Cd		111	0.00741	37.667	ug/L	0.001			
Cd		114	0.004366	85.335	ug/L	0			
In		115	452452.58	ug/L					
Sb		121	0.07908	1428.126	ug/L	0.002			
Sb		123	0.085993	1118.935	ug/L	0.002			
Ba		137	0.017124	134.002	ug/L	0.003			
Ba		138	0.019974	786.981	ug/L	0.002			
Tb		159	527177.47	ug/L					
Ho		165	510763.58	ug/L					
Hg		200	0.005468	25.667	ug/L	0.001			
Hg		202	0.006458	32.334	ug/L	0.002			
Tl		205	-0.000303	248.006	ug/L	0			
Pb		208	0.030243	1435.725	ug/L	0.001			
Bi		209	417163.08	ug/L					
Se		77	-0.589372	409.343	mg/L	0.15			
Se		78	-0.780594	12192.72	mg/L	0.012			
Se		82	-0.500795	-33.898	mg/L	0.081			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc								
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

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| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho
| Hg
| Hg
| Tl
| Pb
|- Bi
  Se
  Se
  Se

Sample ID: QC Std 1
Sample Date/Time: Wednesday August 31 2011 10:21:59
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.19
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7461.73		ug/L						
Be	9	0.008006	6.333	ug/L	0.001					
B	10	-0.030599	53.334	ug/L	0.049					
B	11	-0.153749	213.005	ug/L	0.071					
C	12	381805		ug/L						
Na	23	-0.904877	20104.22	ug/L	0.255					
Mg	24	0.052033	946.811	ug/L	0.041					
Mg	25	0.106288	136.681	ug/L	0.069					
Al	27	-0.01437	3654.433	ug/L	0.005					
Si	28	50910.915		ug/L						
P	31	-5.050547	6860.002	ug/L	5.78					
S	32	71197638		ug/L						
Cl	35	6596698.2		ug/L						
K	39	-13.718676	679969.2	ug/L	3.147					
Ca	44	-44.216993	27233.45	ug/L	6.315					
Sc	45	137813.44		ug/L						
Ti	47	-0.036294	149.003	ug/L	0.012					
Ti	48	0.152955	-1714.64	ug/L	0.038					
V	51	-0.060178	21492.95	ug/L	0.21					
ClO	51	22090.038		ug/L						
Cr	52	-0.102757	5372.012	ug/L	0.063					
Cr	53	-0.180692	7011.107	ug/L	0.538					
Fe	54	4.721216	44521.7	ug/L	2.367					
Mn	55	-0.029994	858.383	ug/L	0.009					
Fe	56	-15.201214	1667933	ug/L	4.919					
Fe	57	4.34547	7563.902	ug/L	2.72					
Co	59	-0.004106	90.668	ug/L	0					
Ni	60	-0.004341	58.667	ug/L	0.004					
Ni	62	0.008967	39.334	ug/L	0.024					
Cu	63	-0.006022	149.336	ug/L	0.004					
Zn	64	-0.030247	931.319	ug/L	0.026					
Cu	65	0.000112	56.334	ug/L	0.001					
Zn	66	-0.012138	554.356	ug/L	0.05					
Zn	68	-0.018553	452.349	ug/L	0.027					
Ge	72	128642.51		ug/L						
As	75	-0.11182	-134.826	ug/L	0.027					
Se	74	58.314412	14155.84	mg/L	46.476					
ArCl	77	471.017		ug/L						

Br	79	1957.232	ug/L						
Br	81	17620.931	ug/L						
Y	89	361273.03	ug/L						
Mo	95	0.001469	103.668	ug/L	0.001				
Rh	103	340413.68	ug/L						
Ag	107	-0.014759	341.677	ug/L	0.007				
Ag	109	-0.015415	309.342	ug/L	0.009				
Cd	111	0.003676	28.667	ug/L	0				
Cd	114	-0.002371	46.667	ug/L	0.001				
In	115	454831.12	ug/L						
Sb	121	0.015628	947.726	ug/L	0.005				
Sb	123	0.016062	712.769	ug/L	0.002				
Ba	137	-0.003049	50.667	ug/L	0.002				
Ba	138	-0.001344	227.912	ug/L	0				
Tb	159	545179.89	ug/L						
Ho	165	531953.19	ug/L						
Hg	200	0.000058	16.667	ug/L	0				
Hg	202	0.001009	20.334	ug/L	0.001				
Tl	205	-0.002108	217.005	ug/L	0				
Pb	208	-0.000946	497.344	ug/L	0.001				
Bi	209	424564.56	ug/L						
Se	77	-0.241794	440.011	mg/L	0.214				
Se	78	-1.249644	12054	mg/L	1.69				
Se	82	-0.42825	-24.534	mg/L	0.332				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	107.155							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.292
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	98.025
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	97.403
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time: Wednesday August 31 2011 10:28:54
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.19001
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7751.304		ug/L						
Be	9	93.359953	24515.59	ug/L	2.058					
B	10	99.69877	5834.93	ug/L	2.683					
B	11	98.721871	27318.26	ug/L	2.515					
C	12	402914.3		ug/L						
Na	23	98.56025	472592.5	ug/L	3.074					
Mg	24	105.80662	310555.9	ug/L	2.493					
Mg	25	104.51187	43883.39	ug/L	4.163					
Al	27	101.27011	471613.4	ug/L	1.372					
Si	28	171384.97		ug/L						
P	31	-2.441354	7607.295	ug/L	4.544					
S	32	73568622		ug/L						
Cl	35	6343177.8		ug/L						
K	39	1152.4751	8324166	ug/L	52.711					
Ca	44	60.388254	48279.35	ug/L	7.09					
Sc	45	141840.87		ug/L						
Ti	47	94.834223	55376.04	ug/L	2.937					
Ti	48	94.672226	578252.3	ug/L	3.591					
V	51	87.739966	755658.2	ug/L	2.073					
ClO	51	776630.26		ug/L						
Cr	52	91.0548	633129.5	ug/L	1.951					
Cr	53	88.399907	82098.27	ug/L	4.011					
Fe	54	106.96844	93718.78	ug/L	4.323					
Mn	55	89.176332	999110.1	ug/L	2.847					
Fe	56	157.51117	3149474	ug/L	5.881					
Fe	57	111.95228	26932.53	ug/L	0.298					
Co	59	90.669029	731656.1	ug/L	1.619					
Ni	60	90.429057	156603.1	ug/L	0.369					
Ni	62	90.23971	23871.54	ug/L	0.326					
Cu	63	89.087735	364459.6	ug/L	1.061					
Zn	64	85.353022	169664	ug/L	2.013					
Cu	65	89.840218	177974.5	ug/L	0.723					
Zn	66	86.214318	102595.7	ug/L	2.329					
Zn	68	87.14722	73777.61	ug/L	3.299					
Ge	72	133915.24		ug/L						
As	75	100.23073	130762.8	ug/L	0.972					
Se	74	-46.494135	8410.25	mg/L	25.271					
ArCl	77	9885.805		ug/L						

Br	79	1302.773	ug/L			
Br	81	16696.491	ug/L			
Y	89	355249.54	ug/L			
Mo	95	92.649611	308709.5	ug/L	3.918	
Rh	103	344383.4	ug/L			
Ag	107	86.214708	816155.6	ug/L	8.094	
Ag	109	81.99708	757991.3	ug/L	8.336	
Cd	111	98.532983	248136.1	ug/L	2.665	
Cd	114	96.482183	571967.4	ug/L	2.696	
In	115	464952.55	ug/L			
Sb	121	94.620262	743200.1	ug/L	9.016	
Sb	123	93.873842	564756.8	ug/L	11.338	
Ba	137	97.493682	414959.3	ug/L	3.881	
Ba	138	103.80737	2802051	ug/L	3.964	
Tb	159	562832.59	ug/L			
Ho	165	542256.36	ug/L			
Hg	200	1.068997	2046.584	ug/L	0.053	
Hg	202	1.030688	2598.397	ug/L	0.011	
Tl	205	114.72314	2676681	ug/L	3.215	
Pb	208	99.359127	3241365	ug/L	1.798	
Bi	209	439618.83	ug/L			
Se	77	102.81394	9532.996	mg/L	0.128	
Se	78	101.0928	42322.09	mg/L	1.83	
Se	82	105.26229	13619.12	mg/L	1.018	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	92.436							
|	B	99.401							
|	B	98.427							
|	C								
|	Na	97.295							
|	Mg	104.759							
|	Mg	103.477							
|	Al	100.867							
|	Si								
|	P								
|	S								
|	Cl								
|	K	114.903							
|	Ca	59.85							
|>	Sc	110.286							
|	Ti	94.834							
|	Ti	94.672							
|	V	87.39							
|	ClO								
|	Cr	90.153							

	Cr	87.525
	Fe	106.33
	Mn	88.821
	Fe	156.572
	Fe	111.285
	Co	90.128
	Ni	89.711
	Ni	89.524
	Cu	89.177
	Zn	84.76
	Cu	89.93
	Zn	85.615
-	Zn	86.541
>	Ge	102.321
	As	100.836
	Se	-46.401
	ArCl	
	Br	
	Br	
	Y	
-	Mo	92.372
-	Rh	
	Ag	85.53
	Ag	81.346
	Cd	98.043
	Cd	96.002
>	In	100.206
	Sb	94.337
	Sb	93.593
	Ba	96.816
-	Ba	103.086
-	Tb	
>	Ho	99.289
	Hg	106.9
	Hg	103.069
	Tl	114.723
	Pb	99.359
-	Bi	
	Se	102.609
	Se	100.891
	Se	105.052

Sample ID: QC Std 3
Sample Date/Time: Wednesday August 31 2011 10:35:49
Autosampl Position: 15
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 3.19002
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7392.341		ug/L						
Be	9	1.062541	269.007	ug/L	0.068					
B	10	184.3594	10199.49	ug/L	7.271					
B	11	175.62984	45946.05	ug/L	10.423					
C	12	395935.25		ug/L						
Na	23	4.643713	43612.06	ug/L	0.012					
Mg	24	0.303173	1620.307	ug/L	0.053					
Mg	25	0.385085	243.361	ug/L	0.211					
Al	27	347.03021	1525638	ug/L	10.026					
Si	28	108710.3		ug/L						
P	31	-6.057391	6476.317	ug/L	4.505					
S	32	68275262		ug/L						
Cl	35	6517133.7		ug/L						
K	39	-10.090099	687472.1	ug/L	0.649					
Ca	44	-45.280014	26431.03	ug/L	7.277					
Sc	45	134686.51		ug/L						
Ti	47	0.256837	308.008	ug/L	0.042					
Ti	48	0.405653	-195.459	ug/L	0.067					
V	51	79.614929	653124.3	ug/L	1.869					
ClO	51	668523.76		ug/L						
Cr	52	2.522806	22423.75	ug/L	0.043					
Cr	53	2.415876	8941.487	ug/L	0.563					
Fe	54	87.155914	80187.62	ug/L	1.015					
Mn	55	21.253642	227034.6	ug/L	0.36					
Fe	56	147.40006	2910487	ug/L	15.417					
Fe	57	96.446547	22954.57	ug/L	0.923					
Co	59	0.037776	409.68	ug/L	0.002					
Ni	60	28.163562	46354.34	ug/L	0.382					
Ni	62	27.453701	6921.37	ug/L	0.146					
Cu	63	210.75015	818466.2	ug/L	3.151					
Zn	64	91.907336	173424	ug/L	1.434					
Cu	65	212.81068	400248.7	ug/L	1.711					
Zn	66	93.227291	105313.2	ug/L	1.807					
Zn	68	99.065024	79601.8	ug/L	0.563					
Ge	72	125547.66		ug/L						
As	75	8.381594	10257.32	ug/L	0.023					
Se	74	57.80154	13811.93	mg/L	69.302					
ArCl	77	1335.111		ug/L						

Br	79	1558.483	ug/L						
Br	81	17302.321	ug/L						
Y	89	342733.7	ug/L						
Mo	95	4.868644	15304.36	ug/L	0.106				
Rh	103	327534.42	ug/L						
Ag	107	11.155773	103216.7	ug/L	0.802				
Ag	109	11.051078	99511.82	ug/L	0.515				
Cd	111	9.23566	22648.07	ug/L	0.061				
Cd	114	9.339769	53936.13	ug/L	0.049				
In	115	452217.32	ug/L						
Sb	121	9.218864	71295.65	ug/L	0.066				
Sb	123	9.069372	53734.26	ug/L	0.059				
Ba	137	282.91778	1171596	ug/L	6.553				
Ba	138	300.51009	7892538	ug/L	5.954				
Tb	159	529680.87	ug/L						
Ho	165	509447.3	ug/L						
Hg	200	1.077882	1939.56	ug/L	0.002				
Hg	202	1.062049	2515.04	ug/L	0.009				
Tl	205	1.595751	35232.49	ug/L	0.037				
Pb	208	10.736429	329478.7	ug/L	0.359				
Bi	209	415140.97	ug/L						
Se	77	8.977014	1253.42	mg/L	0.855				
Se	78	8.28267	14873.21	mg/L	2.459				
Se	82	8.923337	1182.668	mg/L	0.428				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	96.245							
|	B	108.702							
|	B	103.555							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	101.471							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	104.723							
|	Ti								
|	Ti								
|	V	91.302							
|	ClO								
|	Cr	92.073							

	Cr	88.171
	Fe	107.335
	Mn	95.737
	Fe	181.527
	Fe	118.777
	Co	
	Ni	95.794
	Ni	93.38
	Cu	92.434
	Zn	88.034
	Cu	93.338
	Zn	89.298
-	Zn	94.89
>	Ge	95.927
	As	99.308
	Se	636.581
	ArCl	
	Br	
	Br	
	Y	
-	Mo	103.588
-	Rh	
	Ag	102.159
	Ag	101.2
	Cd	94.049
	Cd	95.11
>	In	97.461
	Sb	136.374
	Sb	134.162
	Ba	98.235
-	Ba	104.344
-	Tb	
>	Ho	93.282
	Hg	107.788
	Hg	106.205
	Tl	105.679
	Pb	102.447
-	Bi	
	Se	98.866
	Se	91.219
	Se	98.275

Sample ID: QC Std 5
Sample Date/Time: Wednesday August 31 2011 10:42:43
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.19003
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7729.952		ug/L						
Be	9	39.686374	10097.37	ug/L	1.656					
B	10	167.57472	9459.683	ug/L	11.167					
B	11	164.35944	43880.78	ug/L	9.159					
C	12	386419.62		ug/L						
Na	23	2.445502	34820.04	ug/L	0.122					
Mg	24	0.099012	1073.504	ug/L	0.045					
Mg	25	0.166445	160.017	ug/L	0.036					
Al	27	176.29144	792833	ug/L	2.031					
Si	28	92982.566		ug/L						
P	31	-5.035037	6836.62	ug/L	4.16					
S	32	70263515		ug/L						
Cl	35	6617424.6		ug/L						
K	39	-14.15314	675484.9	ug/L	3.433					
Ca	44	-48.427401	26380.86	ug/L	4.948					
Sc	45	137457.24		ug/L						
Ti	47	0.112508	233.005	ug/L	0.033					
Ti	48	0.237218	-1202.83	ug/L	0.02					
V	51	22.598463	204881.1	ug/L	0.615					
ClO	51	208690.81		ug/L						
Cr	52	44.853226	305168.3	ug/L	1.968					
Cr	53	43.492622	42757.76	ug/L	2.686					
Fe	54	184.26144	125954.4	ug/L	0.901					
Mn	55	96.795665	1050684	ug/L	3.049					
Fe	56	235.31864	3676745	ug/L	10.285					
Fe	57	193.54832	40129.07	ug/L	13.208					
Co	59	21.856902	170928.4	ug/L	0.974					
Ni	60	186.93764	313518.3	ug/L	5.819					
Ni	62	186.28018	47696.27	ug/L	5.132					
Cu	63	69.968358	277366.6	ug/L	1.604					
Zn	64	89.578254	172476	ug/L	2.543					
Cu	65	71.223684	136715.4	ug/L	1.383					
Zn	66	92.661468	106787.6	ug/L	3.299					
Zn	68	93.454695	76662.09	ug/L	0.493					
Ge	72	128776.59		ug/L						
As	75	43.349703	54375.13	ug/L	1.137					
Se	74	57.971622	14219.44	mg/L	78.908					
ArCl	77	15581.831		ug/L						

Br	79	1580.821	ug/L			
Br	81	17973.265	ug/L			
Y	89	350773.05	ug/L			
Mo	95	40.59849	130095.7	ug/L	2.312	
Rh	103	348042.64	ug/L			
Ag	107	49.177015	455616.6	ug/L	5.042	
Ag	109	44.211847	397912.8	ug/L	2.279	
Cd	111	22.927878	56346.65	ug/L	0.626	
Cd	114	22.617873	130882.1	ug/L	0.329	
In	115	453539.52	ug/L			
Sb	121	50.560927	388176.8	ug/L	2.88	
Sb	123	51.085451	300616.6	ug/L	1.569	
Ba	137	136.15421	565561.2	ug/L	2.111	
Ba	138	147.72292	3891107	ug/L	3.356	
Tb	159	533741.56	ug/L			
Ho	165	523452.57	ug/L			
Hg	200	1.043863	1930.558	ug/L	0.008	
Hg	202	1.065133	2591.729	ug/L	0.014	
Tl	205	14.325507	322954	ug/L	0.263	
Pb	208	101.90386	3209612	ug/L	0.907	
Bi	209	420214.55	ug/L			
Se	77	169.92509	15454.46	mg/L	0.749	
Se	78	162.4639	60472.78	mg/L	5.232	
Se	82	168.38429	21767.58	mg/L	2.013	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	93.161							
|	B	104.734							
|	B	102.725							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	100.166							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	106.878							
|	Ti								
|	Ti								
|	V	90.757							
|	ClO								
|	Cr	91.165							

	Cr	88.4
	Fe	102.939
	Mn	91.317
	Fe	131.463
	Fe	108.128
	Co	93.806
	Ni	91.636
	Ni	91.314
	Cu	89.474
	Zn	85.313
	Cu	91.079
	Zn	88.249
-	Zn	89.004
>	Ge	98.394
	As	110.025
	Se	36.232
	ArCl	
	Br	
	Br	
	Y	
-	Mo	96.894
-	Rh	
	Ag	97.767
	Ag	87.896
	Cd	98.827
	Cd	97.491
>	In	97.746
	Sb	108.733
	Sb	109.861
	Ba	96.563
-	Ba	104.768
-	Tb	
>	Ho	95.846
	Hg	104.386
	Hg	106.513
	Tl	100.884
	Pb	97.984
-	Bi	
	Se	106.203
	Se	101.54
	Se	105.24

Sample ID: QC Std 6
Sample Date/Time: Wednesday August 31 2011 10:49:38
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.19004
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7500.426		ug/L						
Be	9	0.013815	8.667	ug/L	0.015					
B	10	0.886945	117.669	ug/L	0.147					
B	11	0.91855	560.023	ug/L	0.044					
C	12	373689.6		ug/L						
Na	23	9994.2338	49549274	ug/L	372.518					
Mg	24	9967.3973	31814017	ug/L	479.702					
Mg	25	10094.67	4612195	ug/L	486.536					
Al	27	10069.334	50736996	ug/L	281.893					
Si	28	67069.905		ug/L						
P	31	10881.203	2649424	ug/L	792.387					
S	32	68443923		ug/L						
Cl	35	5711778.4		ug/L						
K	39	10211.88	73713981	ug/L	230.037					
Ca	44	10606.544	2278136	ug/L	326.531					
Sc	45	154800.51		ug/L						
Ti	47	22.791732	14677.01	ug/L	0.182					
Ti	48	7.419537	46799.12	ug/L	0.212					
V	51	-0.533162	19829.14	ug/L	0.152					
ClO	51	20295.841		ug/L						
Cr	52	-0.129913	5827.998	ug/L	0.057					
Cr	53	-1.615694	6552.426	ug/L	0.329					
Fe	54	9940.2509	5122487	ug/L	867.606					
Mn	55	0.018431	1557.484	ug/L	0.012					
Fe	56	10016.058	92479408	ug/L	870.62					
Fe	57	9751.014	1896817	ug/L	737.865					
Co	59	0.022943	339.676	ug/L	0.002					
Ni	60	0.219937	489.351	ug/L	0.008					
Ni	62	0.062634	59.667	ug/L	0.015					
Cu	63	0.174708	974.729	ug/L	0					
Zn	64	0.584442	2369.057	ug/L	0.072					
Cu	65	0.126276	335.01	ug/L	0.017					
Zn	66	0.571394	1376.118	ug/L	0.045					
Zn	68	0.54289	1022.401	ug/L	0.074					
Ge	72	129096.9		ug/L						
As	75	-0.056747	-66.107	ug/L	0.033					
Se	74	-36.839807	8632.693	mg/L	77.621					
ArCl	77	492.685		ug/L						

Br	79	1783.194	ug/L						
Br	81	17386.117	ug/L						
Y	89	354200.36	ug/L						
Mo	95	0.273906	979.73	ug/L	0.031				
Rh	103	327996.7	ug/L						
Ag	107	0.275217	2982.187	ug/L	0.012				
Ag	109	0.279754	2924.5	ug/L	0.005				
Cd	111	0.012106	48.667	ug/L	0.001				
Cd	114	0.011897	127.335	ug/L	0				
In	115	447417.37	ug/L						
Sb	121	0.642863	5679.502	ug/L	0.035				
Sb	123	0.639687	4317.672	ug/L	0.03				
Ba	137	0.060613	310.675	ug/L	0.001				
Ba	138	0.065338	1956.921	ug/L	0.001				
Tb	159	535842.44	ug/L						
Ho	165	515525.12	ug/L						
Hg	200	0.01751	47.667	ug/L	0				
Hg	202	0.017103	58.001	ug/L	0.002				
Tl	205	0.006822	408.347	ug/L	0.001				
Pb	208	0.049338	2041.445	ug/L	0.001				
Bi	209	416319.1	ug/L						
Se	77	0.272022	485.347	mg/L	1.026				
Se	78	-1.892451	11863.88	mg/L	0.048				
Se	82	0.04075	36.01	mg/L	0.283				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	99.942							
|	Mg	99.674							
|	Mg	100.947							
|	Al	100.693							
|	Si								
|	P	108.812							
|	S								
|	Cl								
|	K	102.119							
|	Ca	106.065							
|>	Sc	120.363							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	99.403
	Mn	
	Fe	100.161
	Fe	97.51
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	98.639
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.427
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.395
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 10:56:33
Autosampl Position: 16
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19005
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7643.212		ug/L						
Be	9	0.014321	7.333	ug/L	0.013					
B	10	1.461144	127.335	ug/L	0.033					
B	11	1.399129	581.024	ug/L	0.06					
C	12	395308.6		ug/L						
Na	23	8.63374	57793.68	ug/L	1.496					
Mg	24	2.305965	6829.93	ug/L	0.232					
Mg	25	2.316392	963.482	ug/L	0.608					
Al	27	17.949817	78331.01	ug/L	3.519					
Si	28	73331.958		ug/L						
P	31	-4.128295	6529.67	ug/L	1.671					
S	32	66942191		ug/L						
Cl	35	7942298.3		ug/L						
K	39	-1.244873	704374.7	ug/L	2.518					
Ca	44	-28.259356	28059.38	ug/L	1.354					
Sc	45	127820.51		ug/L						
Ti	47	0.089826	204.338	ug/L	0.029					
Ti	48	0.21125	-1263.28	ug/L	0.011					
V	51	0.430025	23645.29	ug/L	0.127					
ClO	51	24273.94		ug/L						
Cr	52	-0.068221	5203.761	ug/L	0.004					
Cr	53	1.524211	7807.096	ug/L	0.315					
Fe	54	18.105352	46975.17	ug/L	10.328					
Mn	55	0.022178	1322.11	ug/L	0.014					
Fe	56	-6.199958	1615114	ug/L	2.058					
Fe	57	13.587135	8511.519	ug/L	4.015					
Co	59	-0.001383	104.002	ug/L	0.001					
Ni	60	0.3775	652.031	ug/L	0.113					
Ni	62	0.34256	116.002	ug/L	0.006					
Cu	63	0.048837	341.343	ug/L	0.009					
Zn	64	2.618635	5592.129	ug/L	0.53					
Cu	65	0.060545	160.336	ug/L	0.014					
Zn	66	2.696267	3408.012	ug/L	0.378					
Zn	68	2.775232	2542.052	ug/L	0.482					
Ge	72	123278.33		ug/L						
As	75	-0.043195	-46.415	ug/L	0.021					
Se	74	-5.479462	10019.69	mg/L	0.049					
ArCl	77	515.686		ug/L						

Br	79	1079.742	ug/L						
Br	81	15334.743	ug/L						
Y	89	337856.98	ug/L						
Mo	95	0.089971	370.678	ug/L	0.005				
Rh	103	327019.35	ug/L						
Ag	107	0.105102	1406.124	ug/L	0.019				
Ag	109	0.170895	1928.584	ug/L	0.112				
Cd	111	-0.000122	18.667	ug/L	0.001				
Cd	114	0.001642	67.668	ug/L	0.001				
In	115	439950.33	ug/L						
Sb	121	0.270306	2811.13	ug/L	0.015				
Sb	123	0.266716	2117.96	ug/L	0.005				
Ba	137	0.014219	118.669	ug/L	0.004				
Ba	138	0.017122	692.836	ug/L	0.005				
Tb	159	527738.07	ug/L						
Ho	165	513693.72	ug/L						
Hg	200	0.00836	31	ug/L	0.005				
Hg	202	0.011405	44.334	ug/L	0.004				
Tl	205	0.000685	271.34	ug/L	0.001				
Pb	208	0.023466	1234.378	ug/L	0.003				
Bi	209	393716.05	ug/L						
Se	77	0.68005	521.348	mg/L	0.449				
Se	78	-1.774396	11898.8	mg/L	0.054				
Se	82	-0.077629	20.728	mg/L	0.093				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.385							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.193
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.818
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.059
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 11:03:03
Autosampl Position: 18
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19006
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7436.374		ug/L						
Be	9	0.012726	7	ug/L	0.009					
B	10	0.467033	75.001	ug/L	0.071					
B	11	0.375723	326.676	ug/L	0.02					
C	12	393759.06		ug/L						
Na	23	-0.359478	20799.19	ug/L	0.078					
Mg	24	0.57753	2260.513	ug/L	0.139					
Mg	25	0.501721	276.699	ug/L	0.282					
Al	27	0.455606	5325.429	ug/L	0.032					
Si	28	62060.632		ug/L						
P	31	-5.441281	6222.753	ug/L	2.758					
S	32	69154245		ug/L						
Cl	35	6717402.3		ug/L						
K	39	-6.057084	672719.2	ug/L	3.369					
Ca	44	-41.375002	25628.64	ug/L	8.288					
Sc	45	127249.2		ug/L						
Ti	47	-0.007175	153.003	ug/L	0.008					
Ti	48	0.128759	-1710.79	ug/L	0.015					
V	51	0.277116	22368.39	ug/L	0.216					
ClO	51	23056.106		ug/L						
Cr	52	-0.060336	5222.227	ug/L	0.055					
Cr	53	0.975684	7347.042	ug/L	0.706					
Fe	54	-0.744979	38744.35	ug/L	5.184					
Mn	55	-0.036572	724.703	ug/L	0					
Fe	56	-10.609002	1573394	ug/L	9.583					
Fe	57	2.722954	6719.824	ug/L	3.913					
Co	59	-0.005281	75.334	ug/L	0.001					
Ni	60	-0.001112	59.334	ug/L	0.001					
Ni	62	0.004501	35.334	ug/L	0.006					
Cu	63	-0.007136	134.002	ug/L	0.001					
Zn	64	-0.010573	895.958	ug/L	0.007					
Cu	65	0.001484	54.001	ug/L	0.011					
Zn	66	0.043015	571.357	ug/L	0.002					
Zn	68	-0.013138	422.681	ug/L	0.033					
Ge	72	118748.1		ug/L						
As	75	-0.166095	-186.998	ug/L	0.006					
Se	74	23.670288	11180.14	mg/L	56.374					
ArCl	77	493.018		ug/L						

Br	79	1511.141	ug/L						
Br	81	16257.697	ug/L						
Y	89	328573.77	ug/L						
Mo	95	0.034697	193.671	ug/L	0.005				
Rh	103	314888.74	ug/L						
Ag	107	0.005385	489.018	ug/L	0.001				
Ag	109	0.00288	439.015	ug/L	0.005				
Cd	111	-0.000498	17	ug/L	0.001				
Cd	114	-0.002469	42.667	ug/L	0.001				
In	115	420745.61	ug/L						
Sb	121	0.101924	1490.471	ug/L	0.01				
Sb	123	0.101596	1125.482	ug/L	0.011				
Ba	137	-0.002069	50.667	ug/L	0				
Ba	138	0.000089	245.89	ug/L	0				
Tb	159	515351.39	ug/L						
Ho	165	489069.62	ug/L						
Hg	200	0.000651	16.334	ug/L	0.001				
Hg	202	0.00617	30.334	ug/L	0.003				
Tl	205	-0.001249	217.671	ug/L	0.001				
Pb	208	-0.000329	475.343	ug/L	0.001				
Bi	209	389452.7	ug/L						
Se	77	0.045338	465.345	mg/L	0.663				
Se	78	-2.014195	11827.88	mg/L	0.32				
Se	82	-0.243214	-0.647	mg/L	0.011				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.941							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.732
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.679
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.551
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LLCS
Sample Date/Time: Wednesday August 31 2011 11:09:28
Autosampl Position: 19
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LLCS.19007
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7412.354		ug/L						
Be	9	0.137116	34	ug/L	0.02					
B	10	0.355746	65.001	ug/L	0.112					
B	11	0.302747	289.674	ug/L	0.03					
C	12	427415.47		ug/L						
Na	23	10.832199	62359.36	ug/L	0.285					
Mg	24	11.912999	30055.96	ug/L	0.585					
Mg	25	11.462452	4124.682	ug/L	0.688					
Al	27	11.596081	48346.41	ug/L	0.066					
Si	28	62429.891		ug/L						
P	31	14.127458	9532.644	ug/L	4.578					
S	32	71256020		ug/L						
Cl	35	6517238.1		ug/L						
K	39	13.130979	737572.5	ug/L	1.553					
Ca	44	-16.993333	28052.69	ug/L	6.726					
Sc	45	119462.6		ug/L						
Ti	47	0.152152	221.672	ug/L	0.004					
Ti	48	0.210369	-1185.34	ug/L	0.01					
V	51	0.546396	22930.46	ug/L	0.045					
ClO	51	23386.949		ug/L						
Cr	52	0.074142	5688.213	ug/L	0.022					
Cr	53	1.574607	7336.034	ug/L	0.178					
Fe	54	13.343065	41976.56	ug/L	1.054					
Mn	55	0.068368	1669.17	ug/L	0.007					
Fe	56	13.370951	1645918	ug/L	2.362					
Fe	57	17.951372	8601.594	ug/L	0.609					
Co	59	0.095551	756.039	ug/L	0.002					
Ni	60	0.095476	196.337	ug/L	0.011					
Ni	62	0.111071	57.001	ug/L	0.044					
Cu	63	0.110554	531.021	ug/L	0.007					
Zn	64	0.114083	1047.805	ug/L	0.035					
Cu	65	0.106105	225.672	ug/L	0.005					
Zn	66	0.132651	625.694	ug/L	0.009					
Zn	68	0.132499	499.352	ug/L	0.024					
Ge	72	118245.87		ug/L						
As	75	0.032505	43.369	ug/L	0.042					
Se	74	44.627617	12267.38	mg/L	26.079					
ArCl	77	452.016		ug/L						

Br	79	1964.565	ug/L						
Br	81	17241.532	ug/L						
Y	89	326574.57	ug/L						
Mo	95	0.128113	468.017	ug/L	0.003				
Rh	103	314674.9	ug/L						
Ag	107	0.0752	1084.742	ug/L	0.001				
Ag	109	0.071797	1011.4	ug/L	0.002				
Cd	111	0.100692	247.006	ug/L	0.001				
Cd	114	0.097655	578.358	ug/L	0.003				
In	115	419585.93	ug/L						
Sb	121	0.164912	1933.225	ug/L	0.004				
Sb	123	0.160148	1440.699	ug/L	0.003				
Ba	137	0.101187	447.349	ug/L	0				
Ba	138	0.101631	2720.001	ug/L	0.002				
Tb	159	502979.81	ug/L						
Ho	165	489574.25	ug/L						
Hg	200	0.114141	211.005	ug/L	0.001				
Hg	202	0.11145	268.34	ug/L	0.015				
Tl	205	0.100187	2354.995	ug/L	0.004				
Pb	208	0.101359	3470.963	ug/L	0.001				
Bi	209	372858	ug/L						
Se	77	-0.090673	453.345	mg/L	0.299				
Se	78	-1.426662	12001.64	mg/L	0.713				
Se	82	-0.142104	12.405	mg/L	0.008				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.886							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.348
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.429
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.643
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: ICSA
Sample Date/Time: Wednesday August 31 2011 11:15:54
Autosampl Position: 20
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\ICSA.19008
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7597.84		ug/L						
Be	9	0.218082	68.001	ug/L	0.03					
B	10	0.28448	80.001	ug/L	0.071					
B	11	0.261572	363.344	ug/L	0.132					
C	12	2713146.6		ug/L						
Na	23	44432.068	2.21E+08	ug/L	4070.462					
Mg	24	43746.971	1.4E+08	ug/L	4253.201					
Mg	25	43553.486	19945892	ug/L	4157.581					
Al	27	43498.691	2.19E+08	ug/L	5272.915					
Si	28	97728.964		ug/L						
P	31	48256.63	11751204	ug/L	4916.48					
S	32	84210481		ug/L						
Cl	35	13194441		ug/L						
K	39	45593.602	3.26E+08	ug/L	6037.061					
Ca	44	47491.084	10075815	ug/L	5125.544					
Sc	45	155570.67		ug/L						
Ti	47	95.55196	60944.97	ug/L	10.513					
Ti	48	38.116199	253856.2	ug/L	0.655					
V	51	0.814059	32168.16	ug/L	0.388					
ClO	51	33563.227		ug/L						
Cr	52	-0.051253	6440.658	ug/L	0.07					
Cr	53	2.858031	10689.73	ug/L	1.412					
Fe	54	45822.023	23528414	ug/L	3983.859					
Mn	55	0.430262	6593.456	ug/L	0.049					
Fe	56	45016.96	4.1E+08	ug/L	4068.783					
Fe	57	51798.503	10081676	ug/L	3937.746					
Co	59	0.298442	2773.451	ug/L	0.019					
Ni	60	3.233446	6196.84	ug/L	0.223					
Ni	62	2.972592	900.72	ug/L	0.201					
Cu	63	3.030496	13760.88	ug/L	0.156					
Zn	64	10.80196	24455.52	ug/L	0.888					
Cu	65	3.081572	6738.898	ug/L	0.211					
Zn	66	8.504477	11657.26	ug/L	0.484					
Zn	68	8.08677	7971.24	ug/L	0.533					
Ge	72	124725.83		ug/L						
As	75	0.337747	414.477	ug/L	0.186					
Se	74	-71.369608	6396.78	mg/L	65.546					
ArCl	77	939.058		ug/L						

Br	79	24262.302	ug/L						
Br	81	39455.609	ug/L						
Y	89	332923.07	ug/L						
Mo	95	0.382045	1281.103	ug/L	0.027				
Rh	103	299212.3	ug/L						
Ag	107	0.228086	2445.354	ug/L	0.011				
Ag	109	0.224611	2333.657	ug/L	0.009				
Cd	111	0.339858	807.377	ug/L	0.027				
Cd	114	0.339363	1912.554	ug/L	0.005				
In	115	428738.89	ug/L						
Sb	121	0.812143	6666.177	ug/L	0.006				
Sb	123	0.822073	5148.213	ug/L	0.004				
Ba	137	0.454873	1845.539	ug/L	0.012				
Ba	138	0.455865	11599.61	ug/L	0.008				
Tb	159	519753.44	ug/L						
Ho	165	503673.25	ug/L						
Hg	200	0.030811	70.001	ug/L	0.005				
Hg	202	0.030278	87.335	ug/L	0.001				
Tl	205	0.284272	6412.658	ug/L	0.003				
Pb	208	0.46228	14506.69	ug/L	0.006				
Bi	209	379256.11	ug/L						
Se	77	5.092923	910.712	mg/L	0.278				
Se	78	-3.029738	11527.53	mg/L	0.445				
Se	82	0.198346	56.354	mg/L	0.049				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	120.962							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.299
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.401
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.225
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: ICSAB
Sample Date/Time: Wednesday August 31 2011 11:22:20
Autosampl Position: 21
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\ICSAB.19009
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8043.559		ug/L						
Be	9	9.799148	2414.011	ug/L	0.162					
B	10	9.785744	584.358	ug/L	0.038					
B	11	9.338161	2641.744	ug/L	0.308					
C	12	2691989.9		ug/L						
Na	23	50237.275	2.14E+08	ug/L	818.91					
Mg	24	49942.022	1.37E+08	ug/L	1521.448					
Mg	25	50080.441	19657965	ug/L	903.084					
Al	27	49334.219	2.13E+08	ug/L	1682.405					
Si	28	100145.2		ug/L						
P	31	57205.166	11941808	ug/L	727.077					
S	32	85663560		ug/L						
Cl	35	13275154		ug/L						
K	39	52088.423	3.2E+08	ug/L	728.017					
Ca	44	54281.389	9870499	ug/L	1421.506					
Sc	45	132842.25		ug/L						
Ti	47	120.17767	65703.62	ug/L	1.528					
Ti	48	52.588293	299887.1	ug/L	2.593					
V	51	9.810973	97987.72	ug/L	0.41					
ClO	51	102112.87		ug/L						
Cr	52	8.255187	59090.29	ug/L	0.043					
Cr	53	13.024618	17223.81	ug/L	0.309					
Fe	54	51959.798	22852727	ug/L	1842.771					
Mn	55	8.494898	90199.2	ug/L	0.034					
Fe	56	52245.752	4.08E+08	ug/L	726.496					
Fe	57	59143.931	9857442	ug/L	1704.461					
Co	59	8.372095	63393.58	ug/L	0.048					
Ni	60	11.531194	18759.53	ug/L	0.085					
Ni	62	11.028843	2763.781	ug/L	0.164					
Cu	63	11.146359	42858.55	ug/L	0.009					
Zn	64	19.972507	37923.65	ug/L	0.116					
Cu	65	11.167886	20768.57	ug/L	0.08					
Zn	66	17.512135	19959.42	ug/L	0.18					
Zn	68	17.35805	14129.45	ug/L	0.02					
Ge	72	124624.43		ug/L						
As	75	9.303521	11300.97	ug/L	0.038					
Se	74	-75.905913	6162.351	mg/L	25.046					
ArCl	77	1745.852		ug/L						

Br	79	25083.878	ug/L						
Br	81	40280.936	ug/L						
Y	89	333046.26	ug/L						
Mo	95	9.84463	30621.46	ug/L	0.085				
Rh	103	307538.05	ug/L						
Ag	107	9.035779	79990.52	ug/L	0.239				
Ag	109	8.894472	76629.09	ug/L	0.013				
Cd	111	9.380741	21972.41	ug/L	0.114				
Cd	114	9.150825	50477.28	ug/L	0.032				
In	115	431958.96	ug/L						
Sb	121	11.42157	84176.8	ug/L	0.034				
Sb	123	11.511417	64994.22	ug/L	0.001				
Ba	137	9.474359	37542.07	ug/L	0.086				
Ba	138	9.580576	240655.5	ug/L	0.039				
Tb	159	529625.8	ug/L						
Ho	165	511427.3	ug/L						
Hg	200	1.006172	1817.2	ug/L	0.049				
Hg	202	0.983511	2337.324	ug/L	0.057				
Tl	205	9.184904	202266.1	ug/L	0.39				
Pb	208	9.217422	283923.1	ug/L	0.377				
Bi	209	367978.12	ug/L						
Se	77	15.521358	1830.851	mg/L	1.261				
Se	78	5.020444	13908.39	mg/L	0.872				
Se	82	9.490313	1255.86	mg/L	0.348				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.289							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.222
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.095
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.644
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 5ppm LRC-flush
Sample Date/Time: Wednesday August 31 2011 11:28:46
Autosampl Position: 22
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ LRC-flush.19010
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8361.177		ug/L						
Be	9	0.013072	7	ug/L	0.014					
B	10	0.96455	100.335	ug/L	0.002					
B	11	0.819572	433.015	ug/L	0.082					
C	12	400699.63		ug/L						
Na	23	6.023699	46540.15	ug/L	0.256					
Mg	24	2.464341	7163.547	ug/L	0.234					
Mg	25	2.413658	986.82	ug/L	0.615					
Al	27	2.780671	14863.7	ug/L	0.411					
Si	28	72975.667		ug/L						
P	31	-0.692934	7136.892	ug/L	6.594					
S	32	72170682		ug/L						
Cl	35	7423510.8		ug/L						
K	39	1.715577	714302.8	ug/L	2.103					
Ca	44	-35.556656	26504.56	ug/L	2.567					
Sc	45	126465.57		ug/L						
Ti	47	0.029459	171.003	ug/L	0.016					
Ti	48	0.196622	-1330.6	ug/L	0					
V	51	0.816526	26283.87	ug/L	0.018					
ClO	51	27104.961		ug/L						
Cr	52	-0.069369	5141.896	ug/L	0.008					
Cr	53	2.621369	8553.775	ug/L	0.209					
Fe	54	22.523623	48269.89	ug/L	11.883					
Mn	55	-0.019936	886.385	ug/L	0.001					
Fe	56	4.827633	1679233	ug/L	11.254					
Fe	57	25.98693	10380.3	ug/L	2.503					
Co	59	-0.003671	86.335	ug/L	0					
Ni	60	0.049701	137.336	ug/L	0.005					
Ni	62	0.063432	49.001	ug/L	0.059					
Cu	63	0.051126	345.677	ug/L	0.006					
Zn	64	0.848018	2403.16	ug/L	0.023					
Cu	65	0.068068	171.67	ug/L	0.004					
Zn	66	0.843206	1412.457	ug/L	0.091					
Zn	68	0.858057	1073.074	ug/L	0.016					
Ge	72	122540.36		ug/L						
As	75	-0.125773	-144.962	ug/L	0.021					
Se	74	79.271962	14663.89	mg/L	33.552					
ArCl	77	521.354		ug/L						

Br	79	1856.542	ug/L						
Br	81	17037.128	ug/L						
Y	89	339544.96	ug/L						
Mo	95	0.054466	260.34	ug/L	0.003				
Rh	103	335764.37	ug/L						
Ag	107	0.055472	956.06	ug/L	0.009				
Ag	109	0.051555	879.718	ug/L	0.01				
Cd	111	0.005673	32.334	ug/L	0.002				
Cd	114	0.004734	84.668	ug/L	0				
In	115	438122.76	ug/L						
Sb	121	0.081264	1399.122	ug/L	0.001				
Sb	123	0.092665	1121.736	ug/L	0.014				
Ba	137	0.025159	162.003	ug/L	0.001				
Ba	138	0.027302	948.477	ug/L	0.001				
Tb	159	543627.12	ug/L						
Ho	165	516004.44	ug/L						
Hg	200	0.007324	29.334	ug/L	0.002				
Hg	202	0.009807	40.667	ug/L	0.001				
Tl	205	0.005396	377.012	ug/L	0.001				
Pb	208	0.026363	1329.718	ug/L	0.002				
Bi	209	404510.69	ug/L						
Se	77	0.423141	498.68	mg/L	0.171				
Se	78	-2.555336	11667.83	mg/L	0.536				
Se	82	-0.155095	10.728	mg/L	0.062				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.331							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.629
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.424
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	94.482
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 11:35:12
Autosampl Position: 23
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19011
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8082.262		ug/L						
Be	9	0.02298	9.333	ug/L	0.004					
B	10	0.948296	99.668	ug/L	0.056					
B	11	0.842049	439.348	ug/L	0.001					
C	12	399176.61		ug/L						
Na	23	6.012624	46577.06	ug/L	0.45					
Mg	24	1.43706	4491.56	ug/L	0.082					
Mg	25	1.285781	566.741	ug/L	0.034					
Al	27	2.176388	12399.69	ug/L	0.059					
Si	28	77607.622		ug/L						
P	31	-5.976746	6102.669	ug/L	3.004					
S	32	68992071		ug/L						
Cl	35	7576270.4		ug/L						
K	39	-0.347812	703551.6	ug/L	1.514					
Ca	44	-31.838701	27196.67	ug/L	0.427					
Sc	45	126696.77		ug/L						
Ti	47	0.015397	164.003	ug/L	0.011					
Ti	48	0.177907	-1435.65	ug/L	0					
V	51	0.798464	26195.95	ug/L	0.067					
ClO	51	27428.614		ug/L						
Cr	52	-0.042104	5318.731	ug/L	0.011					
Cr	53	2.77797	8687.237	ug/L	0.356					
Fe	54	14.204676	44880.08	ug/L	2.885					
Mn	55	-0.0126	961.394	ug/L	0.002					
Fe	56	-1.982555	1632027	ug/L	1.236					
Fe	57	18.187033	9162.205	ug/L	3.091					
Co	59	0.004441	145.003	ug/L	0.001					
Ni	60	0.472829	792.043	ug/L	0.039					
Ni	62	0.494832	151.003	ug/L	0.166					
Cu	63	0.098414	519.02	ug/L	0.006					
Zn	64	1.581582	3702.5	ug/L	0.009					
Cu	65	0.107057	241.006	ug/L	0.012					
Zn	66	1.569358	2182.617	ug/L	0.028					
Zn	68	1.567773	1608.492	ug/L	0.02					
Ge	72	127276.78		ug/L						
As	75	-0.183482	-221.879	ug/L	0.134					
Se	74	41.743943	13069.02	mg/L	54.587					
ArCl	77	549.356		ug/L						

Br	79	1557.149	ug/L						
Br	81	16254.369	ug/L						
Y	89	355945.29	ug/L						
Mo	95	0.149097	570.024	ug/L	0.011				
Rh	103	348132.58	ug/L						
Ag	107	0.058634	1006.399	ug/L	0.004				
Ag	109	0.061455	987.397	ug/L	0.001				
Cd	111	0.009903	43.334	ug/L	0.002				
Cd	114	0.008663	109.002	ug/L	0.002				
In	115	447731.26	ug/L						
Sb	121	0.230354	2558.052	ug/L	0.002				
Sb	123	0.229337	1938.669	ug/L	0.01				
Ba	137	0.028196	178.004	ug/L	0.003				
Ba	138	0.028076	989.475	ug/L	0.001				
Tb	159	547050.78	ug/L						
Ho	165	527044.16	ug/L						
Hg	200	0.00793	31	ug/L	0.005				
Hg	202	0.009602	41.001	ug/L	0.004				
Tl	205	0.0116	525.687	ug/L	0.002				
Pb	208	0.029883	1470.061	ug/L	0.001				
Bi	209	405804.25	ug/L						
Se	77	0.377807	494.68	mg/L	0.919				
Se	78	-4.017031	11235.53	mg/L	0.536				
Se	82	-0.069397	21.791	mg/L	0.066				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.511							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.248
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.494
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	96.504
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.06
Sample Date/Time: Wednesday August 31 2011 11:41:38
Autosampl Position: 28
Sample Description Ag redigest
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102455.06.19012
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8147.651		ug/L						
Be	9	0.042467	19	ug/L	0.024					
B	10	221.94729	15734.76	ug/L	5.223					
B	11	210.39751	70555.47	ug/L	0.743					
C	12	608789.45		ug/L						
Na	23	68008.91	3.76E+08	ug/L	105.055					
Mg	24	20928.703	74626292	ug/L	183.925					
Mg	25	20709.096	10568365	ug/L	455.653					
Al	27	2.802183	20421.62	ug/L	0.097					
Si	28	27844901		ug/L						
P	31	306.96114	93214.98	ug/L	6.736					
S	32	77357007		ug/L						
Cl	35	4498785.8		ug/L						
K	39	19767.291	1.58E+08	ug/L	273.609					
Ca	44	47334.657	11198038	ug/L	85.898					
Sc	45	172717.41		ug/L						
Ti	47	2.391627	1908.553	ug/L	0.045					
Ti	48	28.359451	208871.5	ug/L	3.537					
V	51	-0.487586	22624.34	ug/L	0.044					
ClO	51	23554.043		ug/L						
Cr	52	-0.099269	6770.474	ug/L	0.021					
Cr	53	-2.130697	6788.935	ug/L	0.024					
Fe	54	16313.211	9366076	ug/L	57.892					
Mn	55	1376.5933	18765322	ug/L	1.597					
Fe	56	16639.325	1.7E+08	ug/L	106.265					
Fe	57	19307.819	4190437	ug/L	153.202					
Co	59	0.697048	7003.1	ug/L	0.004					
Ni	60	5.437321	11544.11	ug/L	0.016					
Ni	62	4.595167	1523.81	ug/L	0.31					
Cu	63	0.584548	3128.236	ug/L	0.007					
Zn	64	1.064708	3802.693	ug/L	0.049					
Cu	65	0.121976	364.344	ug/L	0.007					
Zn	66	0.912946	2029.58	ug/L	0.031					
Zn	68	3.32843	3996.919	ug/L	0.054					
Ge	72	130021.9		ug/L						
As	75	76.249131	96587.23	ug/L	1.291					
Se	74	38.569789	13184.07	mg/L	121.38					
ArCl	77	500.685		ug/L						

Br	79	162175.8	ug/L						
Br	81	189819.48	ug/L						
Y	89	367589.29	ug/L						
Mo	95	1.515811	5003.76	ug/L	0.011				
Rh	103	334510.01	ug/L						
Ag	107	-0.012467	372.011	ug/L	0.002				
Ag	109	-0.01365	333.343	ug/L	0.001				
Cd	111	0.004765	32	ug/L	0.002				
Cd	114	0.005806	96.335	ug/L	0				
In	115	465551.19	ug/L						
Sb	121	0.033766	1112.079	ug/L	0.005				
Sb	123	0.033915	836.648	ug/L	0.005				
Ba	137	126.9219	540693.9	ug/L	6.564				
Ba	138	137.8545	3725197	ug/L	5.575				
Tb	159	562893.41	ug/L						
Ho	165	549049.14	ug/L						
Hg	200	0.036809	87.668	ug/L	0.005				
Hg	202	0.025744	83.335	ug/L	0.006				
Tl	205	-0.001179	246.006	ug/L	0				
Pb	208	0.021996	1269.38	ug/L	0.002				
Bi	209	390151.48	ug/L						
Se	77	0.468478	502.681	mg/L	0.449				
Se	78	-3.134079	11496.67	mg/L	1.323				
Se	82	2.785562	390.339	mg/L	0.925				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	134.294							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	99.346
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	100.335
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	100.533
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05 MS
Sample Date/Time: Wednesday August 31 2011 11:48:03
Autosampl Position: 29
Sample Description Aqtot predigestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MS.19013
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8338.489		ug/L						
Be	9	886.84932	256680.4	ug/L	28.898					
B	10	248.026	15910.74	ug/L	7.693					
B	11	243.82514	73948.7	ug/L	9.045					
C	12	1083600.8		ug/L						
Na	23	86218.055	4.31E+08	ug/L	5568.433					
Mg	24	33558.371	1.08E+08	ug/L	2184.53					
Mg	25	33343.493	15396314	ug/L	1585.711					
Al	27	10727.691	54566855	ug/L	733.578					
Si	28	28201590		ug/L						
P	31	11427.949	2811113	ug/L	861.181					
S	32	76669389		ug/L						
Cl	35	10192448		ug/L						
K	39	33143.519	2.4E+08	ug/L	815.583					
Ca	44	63947.321	13673243	ug/L	2854.886					
Sc	45	156480.29		ug/L						
Ti	47	25.502927	16562.25	ug/L	0.653					
Ti	48	39.542253	264906.7	ug/L	0.423					
V	51	899.55439	8309641	ug/L	29.258					
ClO	51	8534036.3		ug/L						
Cr	52	883.61553	6713750	ug/L	25.911					
Cr	53	738.32389	696195.1	ug/L	26.878					
Fe	54	29790.297	15419621	ug/L	2367.292					
Mn	55	2398.7725	29583450	ug/L	109.274					
Fe	56	30120.995	2.77E+08	ug/L	1390.242					
Fe	57	33885.94	6649706	ug/L	1202.137					
Co	59	871.74988	7750444	ug/L	38.942					
Ni	60	743.8972	1419154	ug/L	27.645					
Ni	62	744.88888	216803.9	ug/L	32.437					
Cu	63	768.3415	3460811	ug/L	42.929					
Zn	64	819.40426	1785951	ug/L	26.324					
Cu	65	703.90869	1536803	ug/L	19.191					
Zn	66	841.07868	1098132	ug/L	18					
Zn	68	852.69102	791055.7	ug/L	34.656					
Ge	72	123916.15		ug/L						
As	75	1093.0239	1319569	ug/L	22.873					
Se	74	145.68092	18549.85	mg/L	7.546					
ArCl	77	95017.993		ug/L						

Br	79	186924.04	ug/L						
Br	81	215513.47	ug/L						
Y	89	337135.89	ug/L						
Mo	95	1216.1828	3749863	ug/L	0.427				
Rh	103	311676.79	ug/L						
Ag	107	55.337055	483870	ug/L	0.678				
Ag	109	54.929791	467326.3	ug/L	1.103				
Cd	111	1144.7959	2658912	ug/L	3.818				
Cd	114	1114.3571	6093055	ug/L	1.442				
In	115	428661.26	ug/L						
Sb	121	1363.2885	9878099	ug/L	6.463				
Sb	123	1355.5364	7526149	ug/L	13.535				
Ba	137	1230.5937	4830980	ug/L	15.363				
Ba	138	1253.5797	31210569	ug/L	15.926				
Tb	159	506012.74	ug/L						
Ho	165	498845.67	ug/L						
Hg	200	1.117657	1969.233	ug/L	0.012				
Hg	202	1.095267	2537.046	ug/L	0.043				
Tl	205	1174.7987	25204896	ug/L	31.129				
Pb	208	1143.5457	34299980	ug/L	28.673				
Bi	209	368159.36	ug/L						
Se	77	1046.5497	92802.26	mg/L	38.904				
Se	78	1031.7001	317552.1	mg/L	2.375				
Se	82	1052.4167	135887.9	mg/L	14.659				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	121.669							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	94.681
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.385
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.341
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05 MSD
Sample Date/Time: Wednesday August 31 2011 11:54:28
Autosampl Position: 30
Sample Description Aqtot predigestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MSD.19014
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7728.618		ug/L						
Be	9	950.33031	253511.4	ug/L	12.327					
B	10	259.82859	15357.45	ug/L	5.67					
B	11	254.05661	70997.89	ug/L	8.962					
C	12	1106297.6		ug/L						
Na	23	90370.458	4.17E+08	ug/L	4777.183					
Mg	24	35794.012	1.06E+08	ug/L	824.936					
Mg	25	35875.597	15267655	ug/L	2020.19					
Al	27	10931.417	51280528	ug/L	585.385					
Si	28	27347186		ug/L						
P	31	12068.157	2739530	ug/L	4.608					
S	32	74930883		ug/L						
Cl	35	10355649		ug/L						
K	39	34624.304	2.31E+08	ug/L	2330.985					
Ca	44	69365.809	13664845	ug/L	4172.13					
Sc	45	144104.09		ug/L						
Ti	47	26.070277	15598.86	ug/L	0.108					
Ti	48	35.574658	219771.7	ug/L	9.264					
V	51	957.29939	8148196	ug/L	20.615					
ClO	51	8418957.8		ug/L						
Cr	52	943.21701	6603714	ug/L	19.019					
Cr	53	785.19577	682012.4	ug/L	8.977					
Fe	54	31552.237	15075190	ug/L	360.342					
Mn	55	2528.4728	28748709	ug/L	58.599					
Fe	56	31336.623	2.66E+08	ug/L	682.413					
Fe	57	35144.685	6354552	ug/L	1605.49					
Co	59	926.79324	7596037	ug/L	25.28					
Ni	60	766.8882	1348456	ug/L	18.223					
Ni	62	769.86001	206587	ug/L	10.895					
Cu	63	814.80766	3384538	ug/L	21.313					
Zn	64	762.37597	1531675	ug/L	4.955					
Cu	65	749.91842	1508669	ug/L	14.652					
Zn	66	775.94048	933413.9	ug/L	14.481					
Zn	68	782.98209	669538.6	ug/L	26.962					
Ge	72	112251.56		ug/L						
As	75	1167.8932	1277163	ug/L	5.306					
Se	74	169.50216	17988.04	mg/L	54.484					
ArCl	77	89113.299		ug/L						

Br	79	183874.35		ug/L			
Br	81	210421.76		ug/L			
Y	89	310177.47		ug/L			
Mo	95	1301.2232	3634229	ug/L	6.282		
Rh	103	282696.62		ug/L			
Ag	107	57.084459	449236.9	ug/L	1.211		
Ag	109	56.020508	429002.2	ug/L	1.013		
Cd	111	1249.3729	2611412	ug/L	28.298		
Cd	114	1221.1323	6008608	ug/L	22.656		
In	115	385827.91		ug/L			
Sb	121	1480.8014	9655600	ug/L	39.247		
Sb	123	1476.1141	7376883	ug/L	13.096		
Ba	137	1342.3683	4743256	ug/L	19.355		
Ba	138	1362.8648	30539738	ug/L	27.631		
Tb	159	480001.29		ug/L			
Ho	165	466276.28		ug/L			
Hg	200	1.148173	1889.882	ug/L	0.012		
Hg	202	1.143243	2476.029	ug/L	0.047		
Tl	205	1222.3626	24519815	ug/L	51.314		
Pb	208	1196.6483	33562396	ug/L	28.671		
Bi	209	335302.81		ug/L			
Se	77	1009.3207	89517.41	mg/L	28.207		
Se	78	986.29686	304123.9	mg/L	12.263		
Se	82	998.99932	128992.2	mg/L	9.823		

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	112.046							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	85.768
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.153
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	85.377
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05 MS
Sample Date/Time: Wednesday August 31 2011 12:00:53
Autosampl Position: 31
Sample Description Aqtot postdigestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MS.19015
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7655.222		ug/L						
Be	9	1009.0528	263771.5	ug/L	17.487					
B	10	245.45856	14218.59	ug/L	9.825					
B	11	238.45356	65311.58	ug/L	12.829					
C	12	30506681		ug/L						
Na	23	88274.308	3.99E+08	ug/L	4506.876					
Mg	24	36078.26	1.05E+08	ug/L	847.644					
Mg	25	35688.147	14886232	ug/L	1716.351					
Al	27	11880.493	54626550	ug/L	501.207					
Si	28	26473828		ug/L						
P	31	14254.475	3167722	ug/L	902.821					
S	32	73815126		ug/L						
Cl	35	3292997.8		ug/L						
K	39	34125.854	2.23E+08	ug/L	1942.696					
Ca	44	65037.112	12562687	ug/L	1748.54					
Sc	45	141211.1		ug/L						
Ti	47	27.711399	16236.98	ug/L	0.153					
Ti	48	35.212882	212544.3	ug/L	0.468					
V	51	998.56019	8328346	ug/L	20.346					
ClO	51	8562686.2		ug/L						
Cr	52	995.38466	6828783	ug/L	24.994					
Cr	53	828.96493	705092.5	ug/L	22.694					
Fe	54	31196.265	14598615	ug/L	1498.662					
Mn	55	2541.8286	28316927	ug/L	113.842					
Fe	56	30875.755	2.57E+08	ug/L	1292.563					
Fe	57	35482.033	6287435	ug/L	1627.712					
Co	59	989.0463	7942951	ug/L	43.805					
Ni	60	823.39439	1418642	ug/L	32.565					
Ni	62	823.67037	216515.2	ug/L	47.535					
Cu	63	876.28303	3566336	ug/L	43.809					
Zn	64	843.70128	1660701	ug/L	20.744					
Cu	65	780.62467	1538812	ug/L	26.087					
Zn	66	855.49474	1008406	ug/L	19.733					
Zn	68	861.51424	721938	ug/L	27.222					
Ge	72	114292.67		ug/L						
As	75	1428.1079	1590008	ug/L	31.882					
Se	74	228.72586	21403.05	mg/L	10.031					
ArCl	77	124236.94		ug/L						

Br	79	147319.87	ug/L			
Br	81	170480.02	ug/L			
Y	89	304673.47	ug/L			
Mo	95	1305.8088	3712274	ug/L	86.317	
Rh	103	288147.47	ug/L			
Ag	107	1211.7629	9477124	ug/L	62.055	
Ag	109	1191.3261	9068568	ug/L	44.679	
Cd	111	1314.994	2733484	ug/L	80.331	
Cd	114	1263.9717	6186897	ug/L	54.4	
In	115	384023.54	ug/L			
Sb	121	1432.4006	9284681	ug/L	128.112	
Sb	123	1418.4465	7046305	ug/L	118.274	
Ba	137	1354.2317	4758333	ug/L	86.559	
Ba	138	1384.987	30862593	ug/L	89.597	
Tb	159	481242.95	ug/L			
Ho	165	463548.49	ug/L			
Hg	200	1.234051	2018.245	ug/L	0.075	
Hg	202	1.192417	2567.389	ug/L	0.065	
Tl	205	1270.6417	25346659	ug/L	39.684	
Pb	208	1225.4843	34176120	ug/L	16.078	
Bi	209	324727.15	ug/L			
Se	77	1372.9751	121604	mg/L	16.092	
Se	78	1341.8275	409273.2	mg/L	12.073	
Se	82	1417.5066	183017.5	mg/L	8.162	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	109.797							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.328
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	82.764
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	84.878
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05 MSD
Sample Date/Time: Wednesday August 31 2011 12:07:18
Autosampl Position: 32
Sample Description Aqtot postdigestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MSD.19016
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7672.57		ug/L						
Be	9	951.86759	256026.1	ug/L	31.619					
B	10	220.38136	13141.29	ug/L	10.578					
B	11	217.45193	61357.41	ug/L	0.971					
C	12	28326900		ug/L						
Na	23	81437.093	3.79E+08	ug/L	3123.114					
Mg	24	34127.812	1.02E+08	ug/L	313.007					
Mg	25	33717.31	14480375	ug/L	215.391					
Al	27	11725.395	55512539	ug/L	22.795					
Si	28	25230650		ug/L						
P	31	13658.009	3125506	ug/L	163.246					
S	32	75881223		ug/L						
Cl	35	3170675.3		ug/L						
K	39	32254.59	2.17E+08	ug/L	118.314					
Ca	44	59370.338	11803325	ug/L	2324.553					
Sc	45	145343.74		ug/L						
Ti	47	27.625962	16658.08	ug/L	0.475					
Ti	48	39.262891	244277.5	ug/L	0.711					
V	51	984.31296	8447347	ug/L	35.855					
ClO	51	8749905		ug/L						
Cr	52	967.33657	6831117	ug/L	11.262					
Cr	53	792.83194	694369.7	ug/L	17.932					
Fe	54	28856.518	13907941	ug/L	9.474					
Mn	55	2382.1954	27318427	ug/L	45.848					
Fe	56	28629.552	2.45E+08	ug/L	268.397					
Fe	57	32714.617	5968294	ug/L	512.41					
Co	59	950.30861	7858494	ug/L	3.045					
Ni	60	805.66858	1428755	ug/L	18.481					
Ni	62	798.12692	216024.5	ug/L	6.121					
Cu	63	847.60321	3551938	ug/L	2.383					
Zn	64	829.68175	1681077	ug/L	6.803					
Cu	65	768.18003	1558729	ug/L	11.112					
Zn	66	835.74982	1013896	ug/L	16.7					
Zn	68	837.60179	722302.9	ug/L	29.158					
Ge	72	117406.62		ug/L						
As	75	1368.6734	1565472	ug/L	15.18					
Se	74	173.58014	19064.82	mg/L	36.067					
ArCl	77	120483.71		ug/L						

Br	79	136432.15	ug/L						
Br	81	161660.41	ug/L						
Y	89	310460.79	ug/L						
Mo	95	1244.8592	3636941	ug/L	29.382				
Rh	103	294084.71	ug/L						
Ag	107	1136.0778	9296963	ug/L	38.382				
Ag	109	1135.7892	9044774	ug/L	1.56				
Cd	111	1246.9758	2712691	ug/L	29.986				
Cd	114	1240.5751	6353090	ug/L	10.371				
In	115	401491.56	ug/L						
Sb	121	1388.913	9425737	ug/L	84.124				
Sb	123	1378.8783	7171044	ug/L	44.228				
Ba	137	1289.5802	4742382	ug/L	10.73				
Ba	138	1316.8044	30710838	ug/L	10.491				
Tb	159	484237.44	ug/L						
Ho	165	459396.71	ug/L						
Hg	200	1.217874	1973.901	ug/L	0.051				
Hg	202	1.208121	2578.058	ug/L	0.011				
Tl	205	1269.4766	25094507	ug/L	32.433				
Pb	208	1220.3912	33726650	ug/L	22.801				
Bi	209	332992.56	ug/L						
Se	77	1331.0108	117901.3	mg/L	41.133				
Se	78	1327.7548	405111.1	mg/L	39.9				
Se	82	1360.06	175601.7	mg/L	9.543				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	113.01							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.707
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.529
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	84.117
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 12:13:44
Autosampl Position: 33
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19017
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7120.122		ug/L						
Be	9	0.118251	29	ug/L	0.004					
B	10	3.494349	212.005	ug/L	0.252					
B	11	3.661371	1034.736	ug/L	0.37					
C	12	694336.31		ug/L						
Na	23	32.896799	142519.6	ug/L	0.258					
Mg	24	4.778854	12112.62	ug/L	0.142					
Mg	25	4.72555	1696.995	ug/L	0.109					
Al	27	73.108087	279330.1	ug/L	2.638					
Si	28	89783.472		ug/L						
P	31	10.330484	8544.882	ug/L	4.839					
S	32	76786154		ug/L						
Cl	35	7787346		ug/L						
K	39	29.151622	801601.7	ug/L	0.852					
Ca	44	-8.128138	28634.55	ug/L	4.308					
Sc	45	115953.6		ug/L						
Ti	47	0.102966	191.671	ug/L	0.021					
Ti	48	0.223175	-1086.14	ug/L	0.013					
V	51	0.90156	24668.35	ug/L	0.181					
ClO	51	25573.85		ug/L						
Cr	52	-0.009001	5053.586	ug/L	0.012					
Cr	53	2.558301	7796.42	ug/L	0.456					
Fe	54	51.398587	55342.48	ug/L	2.575					
Mn	55	0.27873	3547.396	ug/L	0.019					
Fe	56	25.792998	1682441	ug/L	7.533					
Fe	57	53.731527	13568.24	ug/L	11.495					
Co	59	0.094625	727.703	ug/L	0.002					
Ni	60	0.184979	317.342	ug/L	0.002					
Ni	62	0.205444	75.668	ug/L	0.026					
Cu	63	0.434041	1598.157	ug/L	0.032					
Zn	64	6.831515	11876.03	ug/L	0.359					
Cu	65	0.417923	724.37	ug/L	0.035					
Zn	66	6.92556	7183.918	ug/L	0.446					
Zn	68	7.076747	5262.243	ug/L	0.144					
Ge	72	116867.73		ug/L						
As	75	0.600178	688.55	ug/L	0.099					
Se	74	67.211024	13340.83	mg/L	31.518					
ArCl	77	537.688		ug/L						

Br	79	2631.074	ug/L						
Br	81	15184.171	ug/L						
Y	89	311345.86	ug/L						
Mo	95	3.912031	11468.42	ug/L	0.541				
Rh	103	313394.73	ug/L						
Ag	107	1.717449	14446.71	ug/L	0.248				
Ag	109	1.660487	13592.34	ug/L	0.195				
Cd	111	0.072907	175.67	ug/L	0.002				
Cd	114	0.07363	429.681	ug/L	0.007				
In	115	401006.13	ug/L						
Sb	121	11.346695	77561.71	ug/L	1.813				
Sb	123	11.393836	59666.83	ug/L	1.81				
Ba	137	0.120238	497.352	ug/L	0.007				
Ba	138	0.105616	2691.94	ug/L	0.004				
Tb	159	490364.69	ug/L						
Ho	165	482366.25	ug/L						
Hg	200	0.015584	41.334	ug/L	0.001				
Hg	202	0.01732	54.667	ug/L	0.007				
Tl	205	0.167661	3719.465	ug/L	0.011				
Pb	208	0.194169	6109.209	ug/L	0.021				
Bi	209	367954.61	ug/L						
Se	77	0.831172	534.682	mg/L	0.363				
Se	78	-5.413563	10822.5	mg/L	0.084				
Se	82	1.130303	176.661	mg/L	0.302				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.158							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.295
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.424
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.323
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05 MS
Sample Date/Time: Wednesday August 31 2011 12:29:20
Autosampl Position: 31
Sample Description Aqtot postdigestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MS.19018
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7469.734		ug/L						
Be	9	856.20951	248959.5	ug/L	78.081					
B	10	207.50937	13361.29	ug/L	27.31					
B	11	203.49532	62037.28	ug/L	20.406					
C	12	21153295		ug/L						
Na	23	76464.391	3.84E+08	ug/L	9523.594					
Mg	24	30573.879	99183897	ug/L	2327.139					
Mg	25	30812.178	14290813	ug/L	3289.479					
Al	27	10507.053	53721710	ug/L	1095.455					
Si	28	24908713		ug/L						
P	31	12139.742	3004076	ug/L	1034.058					
S	32	81284861		ug/L						
Cl	35	8755432.5		ug/L						
K	39	29667.654	2.16E+08	ug/L	1985.282					
Ca	44	57935.737	12458746	ug/L	4690.617					
Sc	45	157628.47		ug/L						
Ti	47	26.058468	17035.47	ug/L	0.788					
Ti	48	25.884649	172284.2	ug/L	4.756					
V	51	878.68935	8156343	ug/L	76.815					
ClO	51	8347809.1		ug/L						
Cr	52	861.82175	6581580	ug/L	67					
Cr	53	723.20324	686552.1	ug/L	34.447					
Fe	54	26088.863	13593241	ug/L	2296.995					
Mn	55	2141.2068	26561318	ug/L	152.084					
Fe	56	25937.434	2.4E+08	ug/L	2964.537					
Fe	57	29408.5	5805839	ug/L	1862.941					
Co	59	859.7921	7689103	ug/L	59.589					
Ni	60	713.45669	1369347	ug/L	42.147					
Ni	62	713.27734	208707.3	ug/L	58.922					
Cu	63	750.71167	3398974	ug/L	71.039					
Zn	64	720.277	1577078	ug/L	67.977					
Cu	65	689.8153	1512397	ug/L	67.039					
Zn	66	719.73855	943926	ug/L	63.896					
Zn	68	737.27692	687189.1	ug/L	72.593					
Ge	72	121075.66		ug/L						
As	75	1228.2464	1448657	ug/L	20.115					
Se	74	112.10893	16283.46	mg/L	4.248					
ArCl	77	112482.57		ug/L						

Br	79	138723.22	ug/L						
Br	81	161926.32	ug/L						
Y	89	325906.98	ug/L						
Mo	95	1209.3708	3642747	ug/L	32.51				
Rh	103	297469.36	ug/L						
Ag	107	1041.7454	8655654	ug/L	45.143				
Ag	109	1031.676	8338090	ug/L	61.911				
Cd	111	1167.6842	2579991	ug/L	32.666				
Cd	114	1153.6286	6001251	ug/L	23.952				
In	115	408028.66	ug/L						
Sb	121	1364.7234	9398443	ug/L	93.213				
Sb	123	1345.3008	7100651	ug/L	82.988				
Ba	137	1238.0083	4623091	ug/L	43.866				
Ba	138	1273.8158	30166022	ug/L	48.712				
Tb	159	503580.38	ug/L						
Ho	165	483255.21	ug/L						
Hg	200	1.115246	1902.885	ug/L	0.027				
Hg	202	1.125871	2528.043	ug/L	0.022				
Tl	205	1171.88	24368147	ug/L	32.483				
Pb	208	1138.216	33087879	ug/L	31.298				
Bi	209	355602.96	ug/L						
Se	77	1245.6157	110366.6	mg/L	56.781				
Se	78	1199.5371	367190.4	mg/L	15.225				
Se	82	1210.9624	156354.6	mg/L	18.763				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	122.562							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.51
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.938
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.486
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102455.05 MSD
Sample Date/Time: Wednesday August 31 2011 12:35:45
Autosampl Position: 32
Sample Description Aqtot postdigestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MSD.19019
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7366.984		ug/L						
Be	9	907.28806	252061.4	ug/L	40.164					
B	10	218.61373	13464.44	ug/L	13.097					
B	11	216.73497	63121.74	ug/L	12.389					
C	12	19613144		ug/L						
Na	23	82549.196	3.97E+08	ug/L	4953.292					
Mg	24	32543.688	1.01E+08	ug/L	1930.741					
Mg	25	32984.698	14625533	ug/L	1558.824					
Al	27	11286.659	55170082	ug/L	451.616					
Si	28	25323796		ug/L						
P	31	12427.241	2937261	ug/L	562.827					
S	32	83376906		ug/L						
Cl	35	8859795.6		ug/L						
K	39	31062.406	2.16E+08	ug/L	1935.319					
Ca	44	62136.961	12757644	ug/L	3120.202					
Sc	45	150162.66		ug/L						
Ti	47	27.929501	17393.46	ug/L	0.809					
Ti	48	27.674955	177195.1	ug/L	1.833					
V	51	940.93262	8343554	ug/L	31.173					
ClO	51	8603979.2		ug/L						
Cr	52	935.93236	6823548	ug/L	53.012					
Cr	53	763.84604	691117.9	ug/L	37.623					
Fe	54	29034.234	14444096	ug/L	1636.397					
Mn	55	2313.7611	27399686	ug/L	109.566					
Fe	56	28377.204	2.51E+08	ug/L	1771.844					
Fe	57	32553.912	6132343	ug/L	1610.232					
Co	59	931.6499	7952729	ug/L	47.547					
Ni	60	761.34004	1394312	ug/L	35.143					
Ni	62	757.59158	211785.7	ug/L	20.002					
Cu	63	797.81401	3451555	ug/L	39.076					
Zn	64	760.18801	1590346	ug/L	37.364					
Cu	65	722.9328	1514675	ug/L	34.919					
Zn	66	764.52392	957873.2	ug/L	33.664					
Zn	68	781.5576	696126.8	ug/L	38.874					
Ge	72	116959.69		ug/L						
As	75	1260.9016	1436371	ug/L	38.09					
Se	74	121.19419	16201.01	mg/L	23.394					
ArCl	77	109887		ug/L						

Br	79	139155.1	ug/L			
Br	81	165809.43	ug/L			
Y	89	305649.32	ug/L			
Mo	95	1280.5744	3725301	ug/L	54.058	
Rh	103	291446.55	ug/L			
Ag	107	1079.4081	8716884	ug/L	28.374	
Ag	109	1088.6733	8554795	ug/L	32.089	
Cd	111	1251.0915	2685794	ug/L	31.4	
Cd	114	1216.8667	6149367	ug/L	33.023	
In	115	396283.71	ug/L			
Sb	121	1455.9199	9747327	ug/L	91.242	
Sb	123	1448.7299	7432118	ug/L	99.742	
Ba	137	1303.6232	4730289	ug/L	45.03	
Ba	138	1343.2959	30920841	ug/L	8.239	
Tb	159	485128.01	ug/L			
Ho	165	471787.16	ug/L			
Hg	200	1.16271	1934.225	ug/L	0.086	
Hg	202	1.161601	2543.715	ug/L	0.072	
Tl	205	1204.6647	24438823	ug/L	64.284	
Pb	208	1193.5427	33857399	ug/L	46.347	
Bi	209	351322.85	ug/L			
Se	77	1216.0311	107756.2	mg/L	11.05	
Se	78	1192.8241	365205	mg/L	27.048	
Se	82	1214.2171	156774.8	mg/L	25.787	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	116.757							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.365
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.407
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.386
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 12:42:11
Autosampl Position: 33
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19020
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7018.708		ug/L						
Be	9	0.09993	26	ug/L	0.014					
B	10	3.160138	203.338	ug/L	0.368					
B	11	3.055624	931.391	ug/L	0.288					
C	12	619214.77		ug/L						
Na	23	27.257388	125942.3	ug/L	0.219					
Mg	24	4.354211	11488.4	ug/L	0.192					
Mg	25	4.207213	1573.627	ug/L	0.259					
Al	27	56.5069	224389.2	ug/L	0.62					
Si	28	93379.811		ug/L						
P	31	-1.686844	6589.716	ug/L	2.435					
S	32	77379711		ug/L						
Cl	35	7556274.9		ug/L						
K	39	20.747085	784005.3	ug/L	0.738					
Ca	44	-22.859443	27256.86	ug/L	2.523					
Sc	45	120143.55		ug/L						
Ti	47	0.052628	174.003	ug/L	0.025					
Ti	48	0.241308	-1032.32	ug/L	0.01					
V	51	0.778316	24691.07	ug/L	0.109					
ClO	51	25212.165		ug/L						
Cr	52	0.062587	5653.203	ug/L	0.019					
Cr	53	2.312345	7902.512	ug/L	0.321					
Fe	54	34.601429	50667.3	ug/L	1.202					
Mn	55	0.258353	3480.701	ug/L	0.001					
Fe	56	18.897484	1694008	ug/L	3.483					
Fe	57	35.33862	11274.79	ug/L	2.268					
Co	59	0.090711	726.703	ug/L	0.006					
Ni	60	0.183292	326.342	ug/L	0.001					
Ni	62	0.152466	66.334	ug/L	0.064					
Cu	63	0.365226	1417.458	ug/L	0.026					
Zn	64	5.638389	10301.76	ug/L	0.018					
Cu	65	0.342984	624.361	ug/L	0.005					
Zn	66	5.700513	6209.182	ug/L	0.172					
Zn	68	5.575575	4380.432	ug/L	0.139					
Ge	72	118974.94		ug/L						
As	75	0.425547	498.823	ug/L	0.044					
Se	74	-16.706981	9041.339	mg/L	46.071					
ArCl	77	515.353		ug/L						

Br	79	2015.577	ug/L						
Br	81	17089.567	ug/L						
Y	89	329505.35	ug/L						
Mo	95	2.958115	8855.086	ug/L	0.235				
Rh	103	314970.28	ug/L						
Ag	107	1.63092	14291.71	ug/L	0.024				
Ag	109	1.618995	13792.26	ug/L	0.018				
Cd	111	0.075773	189.004	ug/L	0.002				
Cd	114	0.072364	440.015	ug/L	0.001				
In	115	416682.12	ug/L						
Sb	121	8.504878	60717.27	ug/L	0.929				
Sb	123	8.490659	46427.37	ug/L	0.737				
Ba	137	0.113243	490.351	ug/L	0.003				
Ba	138	0.107731	2847.693	ug/L	0.006				
Tb	159	505679.53	ug/L						
Ho	165	492592.92	ug/L						
Hg	200	0.016676	44.001	ug/L	0.004				
Hg	202	0.014216	48.667	ug/L	0.006				
Tl	205	0.150735	3440.352	ug/L	0.002				
Pb	208	0.163045	5318.327	ug/L	0.005				
Bi	209	373433.87	ug/L						
Se	77	0.362693	493.347	mg/L	0.342				
Se	78	-2.010223	11829.05	mg/L	0.966				
Se	82	0.580198	105.648	mg/L	0.081				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.416							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.905
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.803
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.196
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 12:48:37
Autosampl Position: 34
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19021
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7113.449		ug/L						
Be	9	0.050532	15.333	ug/L	0.003					
B	10	1.869936	143.003	ug/L	0.212					
B	11	1.959439	692.033	ug/L	0.029					
C	12	471617.29		ug/L						
Na	23	17.709052	91295.25	ug/L	0.044					
Mg	24	2.442701	6909.984	ug/L	0.11					
Mg	25	2.213142	886.799	ug/L	0.133					
Al	27	26.415726	109132.4	ug/L	0.608					
Si	28	90450.091		ug/L						
P	31	3.865634	7827.51	ug/L	4.579					
S	32	77477016		ug/L						
Cl	35	7654895.1		ug/L						
K	39	14.858197	769017.3	ug/L	2.375					
Ca	44	-29.497688	26788.76	ug/L	0.198					
Sc	45	122968.81		ug/L						
Ti	47	0.15347	228.672	ug/L	0.063					
Ti	48	0.276777	-867.667	ug/L	0.014					
V	51	0.695429	24674.37	ug/L	0.133					
ClO	51	25155.037		ug/L						
Cr	52	0.002431	5427.698	ug/L	0.017					
Cr	53	2.139224	7962.899	ug/L	0.269					
Fe	54	13.923301	43454.13	ug/L	2.364					
Mn	55	0.095683	1983.57	ug/L	0.005					
Fe	56	1.284962	1607120	ug/L	8.397					
Fe	57	16.407754	8614.943	ug/L	2.161					
Co	59	0.055379	497.019	ug/L	0.001					
Ni	60	0.264991	456.683	ug/L	0.003					
Ni	62	0.322149	107.002	ug/L	0.067					
Cu	63	0.251241	1045.737	ug/L	0.004					
Zn	64	4.619583	8799.569	ug/L	0.08					
Cu	65	0.252504	483.684	ug/L	0.009					
Zn	66	4.709976	5339.955	ug/L	0.141					
Zn	68	4.728001	3865.194	ug/L	0.262					
Ge	72	122467.39		ug/L						
As	75	0.149682	183.949	ug/L	0.06					
Se	74	-36.602265	8225.408	mg/L	31.259					
ArCl	77	513.353		ug/L						

Br	79	1568.484	ug/L						
Br	81	16533.867	ug/L						
Y	89	326521.08	ug/L						
Mo	95	1.162954	3638.098	ug/L	0.031				
Rh	103	320509.63	ug/L						
Ag	107	0.975664	8713.711	ug/L	0.226				
Ag	109	0.788271	6904.691	ug/L	0.009				
Cd	111	0.049314	129.002	ug/L	0.006				
Cd	114	0.044983	293.341	ug/L	0.004				
In	115	415387.34	ug/L						
Sb	121	2.839032	20686.38	ug/L	0.052				
Sb	123	2.841072	15847.7	ug/L	0.068				
Ba	137	0.08128	367.011	ug/L	0.004				
Ba	138	0.077191	2102.239	ug/L	0.005				
Tb	159	494470.94	ug/L						
Ho	165	480856.23	ug/L						
Hg	200	0.01645	42.667	ug/L	0.001				
Hg	202	0.0079	33.667	ug/L	0.001				
Tl	205	0.097634	2259.637	ug/L	0.004				
Pb	208	0.102644	3445.623	ug/L	0.003				
Bi	209	382102.83	ug/L						
Se	77	0.332468	490.68	mg/L	0.214				
Se	78	-3.979016	11246.78	mg/L	0.412				
Se	82	0.140812	48.927	mg/L	0.235				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.613							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.574
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.524
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.047
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time: Wednesday August 31 2011 12:55:04
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.19022
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7336.292		ug/L						
Be	9	0.025177	10	ug/L	0.001					
B	10	0.645088	85.335	ug/L	0.031					
B	11	0.638597	395.679	ug/L	0.019					
C	12	432888.52		ug/L						
Na	23	4.28282	40189.34	ug/L	0.036					
Mg	24	0.264691	1446.926	ug/L	0.014					
Mg	25	0.427775	250.029	ug/L	0.12					
Al	27	-0.050354	3260.911	ug/L	0.035					
Si	28	73819.461		ug/L						
P	31	-1.450081	7106.824	ug/L	2.584					
S	32	78949556		ug/L						
Cl	35	6672973.6		ug/L						
K	39	-0.849118	711546.6	ug/L	3.692					
Ca	44	-59.176085	22827.58	ug/L	0.963					
Sc	45	128717.12		ug/L						
Ti	47	-0.064508	124.335	ug/L	0.007					
Ti	48	0.16612	-1523.69	ug/L	0.007					
V	51	0.231379	22303.55	ug/L	0.119					
ClO	51	23108.585		ug/L						
Cr	52	-0.074567	5199.126	ug/L	0.022					
Cr	53	0.867791	7355.716	ug/L	0.513					
Fe	54	3.405036	41025.62	ug/L	3.993					
Mn	55	0.008947	1197.091	ug/L	0.012					
Fe	56	-7.266455	1617702	ug/L	5.869					
Fe	57	7.692105	7613.95	ug/L	0.487					
Co	59	0.019821	260.006	ug/L	0.001					
Ni	60	0.022468	97.001	ug/L	0.001					
Ni	62	0.030336	42.001	ug/L	0.011					
Cu	63	0.03485	291.341	ug/L	0.003					
Zn	64	0.020817	961.969	ug/L	0.015					
Cu	65	0.038558	121.669	ug/L	0					
Zn	66	0.027727	561.023	ug/L	0.041					
Zn	68	0.02017	452.016	ug/L	0.044					
Ge	72	122376.96		ug/L						
As	75	0.03373	46.254	ug/L	0.082					
Se	74	-17.092264	9305.145	mg/L	4.345					
ArCl	77	430.681		ug/L						

Br	79	2147.942	ug/L						
Br	81	17295.276	ug/L						
Y	89	340972.59	ug/L						
Mo	95	0.406036	1331.111	ug/L	0.025				
Rh	103	336530.06	ug/L						
Ag	107	0.305173	3250.019	ug/L	0.178				
Ag	109	0.149725	1767.524	ug/L	0.028				
Cd	111	0.008567	40	ug/L	0.001				
Cd	114	0.005138	88.668	ug/L	0				
In	115	446815.74	ug/L						
Sb	121	1.08246	8988.205	ug/L	0.068				
Sb	123	1.085502	6889.503	ug/L	0.075				
Ba	137	0.01655	130.002	ug/L	0.001				
Ba	138	0.013823	617.588	ug/L	0.002				
Tb	159	526014.49	ug/L						
Ho	165	508654.59	ug/L						
Hg	200	0.005168	25	ug/L	0.002				
Hg	202	0.003248	24.667	ug/L	0.001				
Tl	205	0.015172	586.358	ug/L	0.002				
Pb	208	0.00841	761.02	ug/L	0.002				
Bi	209	401716.51	ug/L						
Se	77	-0.196458	444.011	mg/L	0.064				
Se	78	-3.523115	11381.61	mg/L	0.247				
Se	82	-0.125159	14.593	mg/L	0.335				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	100.082							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.505
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	96.297
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.137
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time: Wednesday August 31 2011 13:01:59
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.19023
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7368.318		ug/L						
Be	9	99.593963	23515.28	ug/L	0.381					
B	10	106.14479	5582.769	ug/L	0.407					
B	11	104.74207	26049.54	ug/L	1.749					
C	12	425275.42		ug/L						
Na	23	110.45196	473546.8	ug/L	1.183					
Mg	24	108.60403	286624.2	ug/L	1.751					
Mg	25	108.7142	41049.9	ug/L	0.335					
Al	27	105.98247	443557.2	ug/L	3.597					
Si	28	181696.88		ug/L						
P	31	0.298784	7393.781	ug/L	5.966					
S	32	72949117		ug/L						
Cl	35	6105841.8		ug/L						
K	39	1236.7432	7981417	ug/L	29.19					
Ca	44	62.983732	43866.63	ug/L	1.431					
Sc	45	127510.7		ug/L						
Ti	47	97.807985	51355.17	ug/L	0.892					
Ti	48	98.702657	542299.2	ug/L	1.352					
V	51	91.908352	710802.5	ug/L	0.694					
ClO	51	742761.72		ug/L						
Cr	52	95.517433	596879.9	ug/L	2.212					
Cr	53	92.969982	77309.43	ug/L	0.182					
Fe	54	116.01575	88084.25	ug/L	1.605					
Mn	55	94.365032	950661.7	ug/L	0.725					
Fe	56	182.40238	3017550	ug/L	10.926					
Fe	57	121.05471	25668.76	ug/L	3.152					
Co	59	95.905784	695864.6	ug/L	0.868					
Ni	60	93.546896	145633.4	ug/L	1.477					
Ni	62	95.79805	22780.74	ug/L	0.605					
Cu	63	92.756121	341173	ug/L	0.824					
Zn	64	89.537079	159994.6	ug/L	0.223					
Cu	65	96.34406	171586.6	ug/L	0.05					
Zn	66	90.587125	96908.42	ug/L	0.107					
Zn	68	91.004748	69268.26	ug/L	0.371					
Ge	72	122164.69		ug/L						
As	75	101.99028	121387.4	ug/L	2.32					
Se	74	11.187354	10852.1	mg/L	13.479					
ArCl	77	9467.355		ug/L						

Br	79	1663.169	ug/L				
Br	81	16301.771	ug/L				
Y	89	338795.04	ug/L				
Mo	95	97.079989	295163.1	ug/L	3.704		
Rh	103	327654.54	ug/L				
Ag	107	75.241581	683300.6	ug/L	13.295		
Ag	109	67.007812	593154.6	ug/L	4.769		
Cd	111	99.248706	240036.1	ug/L	2.283		
Cd	114	97.72921	556179.7	ug/L	4.9		
In	115	446475.2	ug/L				
Sb	121	97.475234	735336.1	ug/L	9.315		
Sb	123	97.009536	560696.8	ug/L	10.282		
Ba	137	95.931519	392107.6	ug/L	4.041		
Ba	138	106.61569	2763874	ug/L	3.715		
Tb	159	527452.79	ug/L				
Ho	165	508960.65	ug/L				
Hg	200	1.072437	1927.891	ug/L	0.085		
Hg	202	1.064273	2518.041	ug/L	0.002		
Tl	205	118.11761	2587383	ug/L	0.544		
Pb	208	99.065432	3033914	ug/L	0.295		
Bi	209	400742.97	ug/L				
Se	77	98.13973	9120.573	mg/L	0.449		
Se	78	95.374214	40630.8	mg/L	1.268		
Se	82	99.149675	12830.04	mg/L	0.976		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	98.608							
|	B	105.827							
|	B	104.429							
|	C								
|	Na	109.035							
|	Mg	107.529							
|	Mg	107.638							
|	Al	105.56							
|	Si								
|	P								
|	S								
|	Cl								
|	K	123.304							
|	Ca	62.422							
|>	Sc	99.144							
|	Ti	97.808							
|	Ti	98.703							
|	V	91.542							
|	ClO								
|	Cr	94.572							

	Cr	92.049
	Fe	115.324
	Mn	93.989
	Fe	181.314
	Fe	120.333
	Co	95.334
	Ni	92.804
	Ni	95.038
	Cu	92.849
	Zn	88.915
	Cu	96.441
	Zn	89.957
-	Zn	90.372
>	Ge	93.342
	As	102.606
	Se	11.165
	ArCl	
	Br	
	Br	
	Y	
-	Mo	96.79
-	Rh	
	Ag	74.644
	Ag	66.476
	Cd	98.755
	Cd	97.243
>	In	96.224
	Sb	97.184
	Sb	96.719
	Ba	95.265
-	Ba	105.875
-	Tb	
>	Ho	93.193
	Hg	107.244
	Hg	106.427
	Tl	118.118
	Pb	99.065
-	Bi	
	Se	97.944
	Se	95.184
	Se	98.952

Sample ID: QC Std 5
Sample Date/Time: Wednesday August 31 2011 13:08:54
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.19024
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7290.923		ug/L						
Be	9	42.591472	10347.99	ug/L	1.456					
B	10	172.38476	9290.171	ug/L	9.918					
B	11	172.22807	43881.11	ug/L	10.71					
C	12	406980.99		ug/L						
Na	23	5.829067	47434.84	ug/L	0.639					
Mg	24	0.511934	2143.8	ug/L	0.04					
Mg	25	0.520576	290.034	ug/L	0.045					
Al	27	187.4442	803929.6	ug/L	11.455					
Si	28	107492.46		ug/L						
P	31	-3.003805	6936.677	ug/L	0.487					
S	32	77256459		ug/L						
Cl	35	6652351.5		ug/L						
K	39	-3.745187	707803.3	ug/L	4.807					
Ca	44	-57.457024	23582.92	ug/L	2.183					
Sc	45	131276.62		ug/L						
Ti	47	0.233625	288.007	ug/L	0.041					
Ti	48	0.448566	56.861	ug/L	0.053					
V	51	23.176563	199914.8	ug/L	1.763					
ClO	51	206756.8		ug/L						
Cr	52	47.089331	305563.9	ug/L	2.368					
Cr	53	46.136147	42897.07	ug/L	2.342					
Fe	54	196.36306	125577.1	ug/L	3.016					
Mn	55	98.854884	1024510	ug/L	3.349					
Fe	56	271.5899	3788587	ug/L	14.943					
Fe	57	201.93067	39707.16	ug/L	8.757					
Co	59	22.103455	165090	ug/L	0.663					
Ni	60	188.64362	301976.5	ug/L	9.22					
Ni	62	187.55528	45845.77	ug/L	6.949					
Cu	63	72.017671	272621.8	ug/L	1.509					
Zn	64	93.546758	171828.5	ug/L	5.58					
Cu	65	72.499416	132825.3	ug/L	3.008					
Zn	66	93.919634	103349.9	ug/L	2.959					
Zn	68	95.275922	74582.78	ug/L	3.3					
Ge	72	122640.38		ug/L						
As	75	44.515156	53183.39	ug/L	2.13					
Se	74	27.333861	11787.99	mg/L	6.739					
ArCl	77	15163.454		ug/L						

Br	79	1786.194	ug/L			
Br	81	16710.845	ug/L			
Y	89	335674.24	ug/L			
Mo	95	42.937958	131091.8	ug/L	2.417	
Rh	103	325951	ug/L			
Ag	107	46.893454	423102.8	ug/L	0.772	
Ag	109	46.630644	409370.3	ug/L	2.001	
Cd	111	23.457867	56221.26	ug/L	0.703	
Cd	114	23.125773	130487.7	ug/L	0.645	
In	115	442198.05	ug/L			
Sb	121	53.968601	404172.1	ug/L	1.055	
Sb	123	54.163023	310811.9	ug/L	1.537	
Ba	137	138.14007	559536	ug/L	2.882	
Ba	138	151.51552	3892101	ug/L	2.198	
Tb	159	517955.55	ug/L			
Ho	165	499729.03	ug/L			
Hg	200	1.137654	2007.242	ug/L	0.017	
Hg	202	1.101837	2559.052	ug/L	0.021	
Tl	205	15.205228	327252.2	ug/L	0.275	
Pb	208	106.65124	3206946	ug/L	0.329	
Bi	209	401439.11	ug/L			
Se	77	159.02701	14492.88	mg/L	4.174	
Se	78	158.59209	59327.68	mg/L	1.951	
Se	82	163.67847	21160.1	mg/L	4.063	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	99.98							
|	B	107.74							
|	B	107.643							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	106.502							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.072							
|	Ti								
|	Ti								
|	V	93.079							
|	ClO								
|	Cr	95.71							

	Cr	93.773
	Fe	109.7
	Mn	93.259
	Fe	151.726
	Fe	112.81
	Co	94.865
	Ni	92.472
	Ni	91.939
	Cu	92.094
	Zn	89.092
	Cu	92.71
	Zn	89.447
-	Zn	90.739
>	Ge	93.706
	As	112.983
	Se	17.084
	ArCl	
	Br	
	Br	
	Y	
-	Mo	102.477
-	Rh	
	Ag	93.228
	Ag	92.705
	Cd	101.111
	Cd	99.68
>	In	95.302
	Sb	116.062
	Sb	116.48
	Ba	97.972
-	Ba	107.458
-	Tb	
>	Ho	91.502
	Hg	113.765
	Hg	110.184
	Tl	107.079
	Pb	102.549
-	Bi	
	Se	99.392
	Se	99.12
	Se	102.299

Sample ID: QC Std 6
Sample Date/Time: Wednesday August 31 2011 13:15:48
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.19025
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7366.985		ug/L						
Be	9	0.029303	12	ug/L	0.003					
B	10	1.048459	116.335	ug/L	0.023					
B	11	1.070136	549.355	ug/L	0.006					
C	12	400754.42		ug/L						
Na	23	10917.235	49188720	ug/L	83.853					
Mg	24	10934.312	31722549	ug/L	284.025					
Mg	25	10969.819	4556251	ug/L	11.513					
Al	27	11060.001	50633317	ug/L	44.937					
Si	28	67177.326		ug/L						
P	31	12187.043	2697865	ug/L	366.801					
S	32	72517734		ug/L						
Cl	35	5849084.6		ug/L						
K	39	11185.336	73257925	ug/L	600.124					
Ca	44	10679.751	2083426	ug/L	738.065					
Sc	45	140550.2		ug/L						
Ti	47	23.404022	13675.08	ug/L	0.559					
Ti	48	9.738903	56604.78	ug/L	1.411					
V	51	-0.247473	20399.4	ug/L	0.05					
ClO	51	20844.413		ug/L						
Cr	52	-0.090728	5568.382	ug/L	0.011					
Cr	53	-0.945592	6517.067	ug/L	0.187					
Fe	54	11066.341	5182784	ug/L	755.602					
Mn	55	0.043705	1691.842	ug/L	0.018					
Fe	56	10970.877	91980022	ug/L	430.237					
Fe	57	10667.673	1886652	ug/L	532.301					
Co	59	0.040111	446.015	ug/L	0.001					
Ni	60	0.260716	514.686	ug/L	0.01					
Ni	62	0.037265	47.667	ug/L	0.025					
Cu	63	0.195033	967.394	ug/L	0.001					
Zn	64	0.716939	2413.508	ug/L	0.059					
Cu	65	0.142718	337.343	ug/L	0.008					
Zn	66	0.610748	1296.772	ug/L	0.034					
Zn	68	0.597234	975.062	ug/L	0.024					
Ge	72	122799.94		ug/L						
As	75	0.112848	140.482	ug/L	0.023					
Se	74	1.031234	10338.72	mg/L	8.688					
ArCl	77	441.682		ug/L						

Br		79	1859.877	ug/L					
Br		81	16910.897	ug/L					
Y		89	330346.37	ug/L					
Mo		95	0.442983	1449.131	ug/L	0.046			
Rh		103	311659.49	ug/L					
Ag		107	0.302713	3117.903	ug/L	0.032			
Ag		109	0.366013	3543.731	ug/L	0.065			
Cd		111	0.020348	66.001	ug/L	0.002			
Cd		114	0.018089	156.67	ug/L	0.001			
In		115	430983.1	ug/L					
Sb		121	1.227679	9738	ug/L	0.077			
Sb		123	1.236503	7492.388	ug/L	0.039			
Ba		137	0.058766	292.008	ug/L	0.001			
Ba		138	0.062153	1804.492	ug/L	0.003			
Tb		159	525970.35	ug/L					
Ho		165	504236.85	ug/L					
Hg		200	0.016019	44.001	ug/L	0.001			
Hg		202	0.016322	55.001	ug/L	0.006			
Tl		205	0.01702	620.694	ug/L	0.001			
Pb		208	0.049607	2005.44	ug/L	0.003			
Bi		209	394477.99	ug/L					
Se		77	-0.302242	434.677	mg/L	0.342			
Se		78	-4.430394	11113.28	mg/L	0.761			
Se		82	-0.027034	27.26	mg/L	0.231			
QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	109.172							
|	Mg	109.343							
|	Mg	109.698							
|	Al	110.6							
|	Si								
|	P	121.87							
|	S								
|	Cl								
|	K	111.853							
|	Ca	106.798							
|>	Sc	109.283							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	110.663
	Mn	
	Fe	109.709
	Fe	106.677
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	93.828
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.885
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.328
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 13:22:51
Autosampl Position: 35
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19026
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7298.929		ug/L						
Be	9	0.033881	11.333	ug/L	0.008					
B	10	0.630428	79.334	ug/L	0.245					
B	11	0.635766	370.345	ug/L	0.024					
C	12	389023.15		ug/L						
Na	23	2.699159	31547.8	ug/L	0.193					
Mg	24	0.266844	1360.24	ug/L	0.11					
Mg	25	0.249096	170.019	ug/L	0.046					
Al	27	51.517212	205733	ug/L	0.612					
Si	28	80456.059		ug/L						
P	31	1.339657	7193.567	ug/L	2.394					
S	32	71739299		ug/L						
Cl	35	6619774		ug/L						
K	39	4.949777	699495.6	ug/L	0.765					
Ca	44	-56.521511	21835.04	ug/L	2.185					
Sc	45	120659.53		ug/L						
Ti	47	0.017084	157.003	ug/L	0.002					
Ti	48	0.200361	-1250.03	ug/L	0.001					
V	51	0.351815	21769.59	ug/L	0.09					
ClO	51	22490.678		ug/L						
Cr	52	0.007886	5357.262	ug/L	0.025					
Cr	53	1.063536	7038.462	ug/L	0.445					
Fe	54	9.630662	40920.71	ug/L	0.08					
Mn	55	-0.014913	893.386	ug/L	0.002					
Fe	56	5.80923	1609024	ug/L	3.83					
Fe	57	19.374608	8901.914	ug/L	1.97					
Co	59	0.00681	154.336	ug/L	0					
Ni	60	0.014605	79.334	ug/L	0.003					
Ni	62	0.024247	38	ug/L	0.019					
Cu	63	0.019974	221.338	ug/L	0.005					
Zn	64	0.34825	1452.663	ug/L	0.01					
Cu	65	0.029781	99.335	ug/L	0.005					
Zn	66	0.36101	861.716	ug/L	0.036					
Zn	68	0.361901	668.698	ug/L	0.002					
Ge	72	119547.26		ug/L						
As	75	-0.008252	-6.477	ug/L	0.066					
Se	74	43.791654	12273.82	mg/L	78.073					
ArCl	77	447.015		ug/L						

Br	79	1724.848	ug/L						
Br	81	16946.283	ug/L						
Y	89	335140.63	ug/L						
Mo	95	0.189185	653.03	ug/L	0.022				
Rh	103	325273.93	ug/L						
Ag	107	0.097573	1285.437	ug/L	0.01				
Ag	109	0.110423	1344.116	ug/L	0.038				
Cd	111	0.006478	33	ug/L	0.002				
Cd	114	0.00414	78.334	ug/L	0.003				
In	115	422467.59	ug/L						
Sb	121	0.533189	4576.865	ug/L	0.012				
Sb	123	0.529185	3470.219	ug/L	0.007				
Ba	137	0.007964	89.668	ug/L	0.001				
Ba	138	0.007627	431.906	ug/L	0				
Tb	159	517600.95	ug/L						
Ho	165	503319.27	ug/L						
Hg	200	0.005866	26	ug/L	0.001				
Hg	202	0.009521	39	ug/L	0.001				
Tl	205	0.008187	428.348	ug/L	0				
Pb	208	0.00499	650.015	ug/L	0.001				
Bi	209	375704.67	ug/L						
Se	77	-0.4987	417.343	mg/L	0.406				
Se	78	-3.447468	11403.98	mg/L	1.077				
Se	82	-0.340131	-13.158	mg/L	0.096				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.817							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	91.342
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.05
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.16
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: BLK
Sample Date/Time: Wednesday August 31 2011 13:29:18
Autosampl Position: 36
Sample Description 8/23/2011 A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\BLK.19027
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7552.469		ug/L						
Be	9	0.016645	7.667	ug/L	0.002					
B	10	0.677052	83.668	ug/L	0.025					
B	11	0.632343	379.012	ug/L	0.035					
C	12	543704.75		ug/L						
Na	23	4.54793	39697.11	ug/L	0.162					
Mg	24	1.656784	4948.508	ug/L	0.033					
Mg	25	1.760364	726.769	ug/L	0.232					
Al	27	2.639582	13978.81	ug/L	0.137					
Si	28	66774.327		ug/L						
P	31	-1.492638	6823.287	ug/L	7.063					
S	32	74943857		ug/L						
Cl	35	10270342		ug/L						
K	39	2.419158	703160.1	ug/L	0.483					
Ca	44	-49.710371	23549.48	ug/L	2.866					
Sc	45	123781.07		ug/L						
Ti	47	0.023412	164.336	ug/L	0.015					
Ti	48	0.213207	-1213.71	ug/L	0.006					
V	51	1.11344	27882	ug/L	0.196					
ClO	51	28598.559		ug/L						
Cr	52	0.053145	5767.211	ug/L	0.043					
Cr	53	4.011717	9396.948	ug/L	0.33					
Fe	54	15.535332	44390	ug/L	1.861					
Mn	55	0.021553	1272.768	ug/L	0.001					
Fe	56	1.239978	1617626	ug/L	3.015					
Fe	57	11.280063	7880.877	ug/L	2.891					
Co	59	0.010116	181.67	ug/L	0.001					
Ni	60	0.517543	841.047	ug/L	0.015					
Ni	62	0.507688	150.336	ug/L	0.031					
Cu	63	0.034587	279.34	ug/L	0					
Zn	64	0.847239	2350.635	ug/L	0.008					
Cu	65	0.037782	115.669	ug/L	0					
Zn	66	0.909029	1450.13	ug/L	0.023					
Zn	68	0.848018	1043.07	ug/L	0.026					
Ge	72	119546.23		ug/L						
As	75	-0.049767	-52.8	ug/L	0.019					
Se	74	49.732355	12717.12	mg/L	97.605					
ArCl	77	596.359		ug/L						

Br	79	2081.593	ug/L						
Br	81	17273.235	ug/L						
Y	89	343898.56	ug/L						
Mo	95	0.155533	554.689	ug/L	0.014				
Rh	103	337156.98	ug/L						
Ag	107	0.101364	1372.786	ug/L	0.027				
Ag	109	0.100703	1313.443	ug/L	0.027				
Cd	111	0.003369	27	ug/L	0.001				
Cd	114	0.000149	59.334	ug/L	0.001				
In	115	440089.99	ug/L						
Sb	121	0.429622	3996.919	ug/L	0.016				
Sb	123	0.428593	3041.432	ug/L	0.016				
Ba	137	0.00827	94.668	ug/L	0.001				
Ba	138	0.009947	509.252	ug/L	0.001				
Tb	159	518778.5	ug/L						
Ho	165	494866.91	ug/L						
Hg	200	0.004381	23	ug/L	0.004				
Hg	202	0.004109	26	ug/L	0.001				
Tl	205	0.004847	350.01	ug/L	0.001				
Pb	208	0.006959	698.018	ug/L	0.001				
Bi	209	389377.38	ug/L						
Se	77	0.891621	540.016	mg/L	0.021				
Se	78	-3.874363	11277.73	mg/L	1.227				
Se	82	-0.176319	7.988	mg/L	0.107				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	96.244							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	91.342
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.848
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.612
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	Ag	LCS							
Sample	Date/Time:	Wednesday	August	31	2011	13:35:44				
Autosampl	Position:	37								
Sample	Description	8/23/2011	A							
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\ LCS.19028								
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7695.256		ug/L						
Be	9	0.013189	7	ug/L	0.002					
B	10	0.582572	80.334	ug/L	0.16					
B	11	0.566271	370.011	ug/L	0.127					
C	12	527472.06		ug/L						
Na	23	1.151389	26725.25	ug/L	0.328					
Mg	24	0.474362	1963.742	ug/L	0.049					
Mg	25	0.424129	243.361	ug/L	0.079					
Al	27	0.667114	6142.692	ug/L	0.112					
Si	28	65048.387		ug/L						
P	31	-4.050377	6452.94	ug/L	2.65					
S	32	76773180		ug/L						
Cl	35	6449211.6		ug/L						
K	39	-0.370559	700426.8	ug/L	0.866					
Ca	44	-51.441703	23706.57	ug/L	0.613					
Sc	45	126160.13		ug/L						
Ti	47	-0.028107	140.669	ug/L	0.024					
Ti	48	0.211557	-1246.12	ug/L	0.007					
V	51	0.351528	22762.69	ug/L	0.034					
ClO	51	23606.848		ug/L						
Cr	52	-0.027285	5385.54	ug/L	0.036					
Cr	53	1.314409	7548.209	ug/L	0.384					
Fe	54	-6.306458	36141.3	ug/L	0.409					
Mn	55	-0.037936	705.034	ug/L	0					
Fe	56	-6.997023	1587947	ug/L	2.71					
Fe	57	4.587063	6970.034	ug/L	0.414					
Co	59	0.002915	133.336	ug/L	0.001					
Ni	60	0.006801	71.001	ug/L	0.003					
Ni	62	0.002442	34.667	ug/L	0.05					
Cu	63	0.011505	200.671	ug/L	0.003					
Zn	64	1.176764	2974.677	ug/L	0.038					
Cu	65	0.024405	94.335	ug/L	0.001					
Zn	66	1.242444	1828.869	ug/L	0.036					
Zn	68	1.270175	1378.785	ug/L	0.025					
Ge	72	121325.8		ug/L						
As	75	-0.055595	-61.191	ug/L	0.046					
Se	74	39.401792	12328.62	mg/L	4.36					
ArCl	77	452.682		ug/L						

Br	79	1321.776	ug/L						
Br	81	16590.973	ug/L						
Y	89	340364.3	ug/L						
Mo	95	0.10886	421.681	ug/L	0.007				
Rh	103	333014.11	ug/L						
Ag	107	81.783379	742546.5	ug/L	1.461				
Ag	109	80.803393	713751.9	ug/L	2.63				
Cd	111	0.003263	27	ug/L	0.002				
Cd	114	-0.001837	48.667	ug/L	0.001				
In	115	445279.93	ug/L						
Sb	121	0.234628	2576.725	ug/L	0.005				
Sb	123	0.239858	1989.427	ug/L	0.011				
Ba	137	0.009092	99.002	ug/L	0.003				
Ba	138	0.009393	500.576	ug/L	0.001				
Tb	159	524580.7	ug/L						
Ho	165	509143.17	ug/L						
Hg	200	0.003054	21.334	ug/L	0.002				
Hg	202	0.003791	26	ug/L	0				
Tl	205	0.002475	308.008	ug/L	0.001				
Pb	208	0.001293	544.679	ug/L	0				
Bi	209	393760.57	ug/L						
Se	77	-0.317351	433.344	mg/L	1.218				
Se	78	-3.910486	11267.04	mg/L	0.078				
Se	82	-0.246039	-1.012	mg/L	0.052				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	98.094							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.701
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.966
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	93.226
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample	ID:	Ag	LCS							
Sample	Date/Time:	Wednesday	August	31	2011	13:45:12				
Autosampl	Position:	37								
Sample	Description	8/23/2011	A							
Batch	ID:									
Method	File:	C:\Elandata\Method\tim.mth								
Dataset	File:	C:\Elandata\	LCS.19029							
Concentrat	Results									

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7250.899		ug/L						
Be	9	0.015011	7	ug/L	0.007					
B	10	0.738515	83.335	ug/L	0.101					
B	11	0.518728	338.01	ug/L	0.111					
C	12	484593.77		ug/L						
Na	23	1.957741	28266.71	ug/L	0.171					
Mg	24	0.516057	1953.739	ug/L	0.021					
Mg	25	0.445704	236.693	ug/L	0.042					
Al	27	4.319131	19933.82	ug/L	0.045					
Si	28	57835.824		ug/L						
P	31	-6.601227	5608.963	ug/L	2.354					
S	32	74742762		ug/L						
Cl	35	7255088.9		ug/L						
K	39	4.412848	686317.2	ug/L	0.57					
Ca	44	-46.89495	23078.23	ug/L	1.854					
Sc	45	118889.7		ug/L						
Ti	47	0.012854	152.669	ug/L	0.049					
Ti	48	0.1891	-1289.47	ug/L	0.02					
V	51	0.606678	23239.9	ug/L	0.016					
ClO	51	24025.953		ug/L						
Cr	52	0.022345	5363.037	ug/L	0.018					
Cr	53	1.985837	7591.244	ug/L	0.104					
Fe	54	3.717753	37996.48	ug/L	0.311					
Mn	55	-0.025468	781.375	ug/L	0.002					
Fe	56	2.219654	1560615	ug/L	4.513					
Fe	57	5.46667	6699.805	ug/L	0.835					
Co	59	0.004684	137.669	ug/L	0.002					
Ni	60	0.015388	79.334	ug/L	0.001					
Ni	62	0.0269	38	ug/L	0.005					
Cu	63	0.006293	171.337	ug/L	0.002					
Zn	64	0.665043	1956.096	ug/L	0.038					
Cu	65	0.015638	74.334	ug/L	0.002					
Zn	66	0.71732	1202.758	ug/L	0.03					
Zn	68	0.693434	892.719	ug/L	0.008					
Ge	72	119816.93		ug/L						
As	75	-0.094066	-106.746	ug/L	0.096					
Se	74	13.097962	10676.71	mg/L	69.72					
ArCl	77	481.018		ug/L						

Br	79	1454.131	ug/L						
Br	81	16608.364	ug/L						
Y	89	327674.56	ug/L						
Mo	95	0.078574	327.009	ug/L	0.011				
Rh	103	316983.23	ug/L						
Ag	107	109.1485	958158.4	ug/L	0.775				
Ag	109	107.43044	917622.8	ug/L	1.442				
Cd	111	0.005036	30.334	ug/L	0.001				
Cd	114	0.001725	66.668	ug/L	0				
In	115	430518.96	ug/L						
Sb	121	0.172492	2039.917	ug/L	0.016				
Sb	123	0.170291	1535.583	ug/L	0.014				
Ba	137	0.007098	88.001	ug/L	0				
Ba	138	0.008048	450.57	ug/L	0				
Tb	159	513019.5	ug/L						
Ho	165	493214.43	ug/L						
Hg	200	1.06524	1855.875	ug/L	0.009				
Hg	202	1.066459	2445.02	ug/L	0.009				
Tl	205	0.004162	334.343	ug/L	0.001				
Pb	208	0.002765	571.346	ug/L	0.001				
Bi	209	375031.61	ug/L						
Se	77	-0.075561	454.678	mg/L	0.15				
Se	78	-2.562988	11665.57	mg/L	0.779				
Se	82	-0.115554	15.833	mg/L	0.124				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.441							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	91.549
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.785
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.31
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LCS
Sample Date/Time: Wednesday August 31 2011 13:51:39
Autosampl Position: 38
Sample Description 8/23/2011 A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LCS.19030
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7601.85		ug/L						
Be	9	955.43345	249296.7	ug/L	31.578					
B	10	0.621955	91.668	ug/L	0.36					
B	11	0.340196	352.01	ug/L	0.042					
C	12	1191985.1		ug/L						
Na	23	11362.659	51314374	ug/L	541.109					
Mg	24	11478.373	33407766	ug/L	189.599					
Mg	25	11514.959	4796618	ug/L	275.531					
Al	27	11541.632	52983386	ug/L	370.668					
Si	28	71621.496		ug/L						
P	31	11736.557	2606303	ug/L	295.757					
S	32	73805396		ug/L						
Cl	35	8774175		ug/L						
K	39	11663.467	76568683	ug/L	470.142					
Ca	44	12313.018	2402191	ug/L	756.011					
Sc	45	141038.78		ug/L						
Ti	47	23.301417	13651.38	ug/L	0.992					
Ti	48	8.391179	48592.92	ug/L	0.397					
V	51	950.05777	7909297	ug/L	38.064					
ClO	51	8050779.8		ug/L						
Cr	52	940.89548	6443213	ug/L	35.28					
Cr	53	783.84945	665691.3	ug/L	39.408					
Fe	54	11637.362	5457059	ug/L	1067.589					
Mn	55	949.81006	10555617	ug/L	67.96					
Fe	56	11813.512	99130152	ug/L	707.96					
Fe	57	10903.817	1933160	ug/L	545.455					
Co	59	939.02281	7520805	ug/L	75.728					
Ni	60	790.98725	1360027	ug/L	39.612					
Ni	62	797.36393	209248.2	ug/L	32.886					
Cu	63	840.41374	3412765	ug/L	51.81					
Zn	64	798.28218	1568474	ug/L	28.41					
Cu	65	776.44901	1527670	ug/L	32.437					
Zn	66	805.30272	947097	ug/L	44.366					
Zn	68	805.45628	673819.2	ug/L	27.444					
Ge	72	121086.42		ug/L						
As	75	984.68576	1161590	ug/L	7.463					
Se	74	190.36433	20579.11	mg/L	21.287					
ArCl	77	89935.241		ug/L						

Br	79	4082.958	ug/L			
Br	81	18997.356	ug/L			
Y	89	333947.15	ug/L			
Mo	95	1178.2356	3549904	ug/L	0.001	
Rh	103	308398.45	ug/L			
Ag	107	85.645662	745019	ug/L	0.901	
Ag	109	84.958278	719426.2	ug/L	2.283	
Cd	111	1112.843	2571783	ug/L	17.433	
Cd	114	1106.5165	6019053	ug/L	27.2	
In	115	426575.61	ug/L			
Sb	121	1259.677	9083252	ug/L	3.052	
Sb	123	1256.4451	6941968	ug/L	14.977	
Ba	137	1063.8582	4156032	ug/L	15.713	
Ba	138	1072.3778	26570349	ug/L	10.315	
Tb	159	509827.28	ug/L			
Ho	165	493604.05	ug/L			
Hg	200	1.078168	1879.88	ug/L	0.016	
Hg	202	1.046646	2402.008	ug/L	0.013	
Tl	205	1163.1335	24706411	ug/L	15.562	
Pb	208	1136.632	33751928	ug/L	18.849	
Bi	209	383635.87	ug/L			
Se	77	994.77696	88234.16	mg/L	13.508	
Se	78	966.17679	298173.3	mg/L	16.468	
Se	82	1015.45	131115.8	mg/L	2.287	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	109.663							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.519
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.935
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.381
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 13:58:05
Autosampl Position: 39
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19031
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7392.338		ug/L						
Be	9	0.099903	26	ug/L	0.004					
B	10	0.643058	79.668	ug/L	0.116					
B	11	0.714639	387.679	ug/L	0.087					
C	12	413711.37		ug/L						
Na	23	12.724808	70123.25	ug/L	0.596					
Mg	24	2.008619	5685.682	ug/L	0.123					
Mg	25	1.881701	750.106	ug/L	0.077					
Al	27	23.047858	93575.12	ug/L	0.04					
Si	28	52399.136		ug/L						
P	31	-4.981147	5982.566	ug/L	0.339					
S	32	70850585		ug/L						
Cl	35	6954111.8		ug/L						
K	39	7.446733	711438.2	ug/L	0.996					
Ca	44	-41.027354	24321.59	ug/L	1.901					
Sc	45	120327.1		ug/L						
Ti	47	0.012518	154.336	ug/L	0.013					
Ti	48	0.23755	-1052.9	ug/L	0.002					
V	51	0.552386	23136.98	ug/L	0.062					
ClO	51	23983.844		ug/L						
Cr	52	-0.010517	5235.914	ug/L	0.008					
Cr	53	1.661217	7450.461	ug/L	0.224					
Fe	54	13.125967	42201.51	ug/L	3.563					
Mn	55	0.086867	1857.542	ug/L	0					
Fe	56	-2.191679	1548430	ug/L	2.868					
Fe	57	17.319567	8568.23	ug/L	3.008					
Co	59	0.053958	476.684	ug/L	0.001					
Ni	60	0.116868	229.339	ug/L	0.005					
Ni	62	0.146745	65.334	ug/L	0.036					
Cu	63	0.243143	995.064	ug/L	0.003					
Zn	64	2.084948	4360.328	ug/L	0.02					
Cu	65	0.24686	463.683	ug/L	0.009					
Zn	66	2.128721	2634.408	ug/L	0.006					
Zn	68	2.124563	1925.223	ug/L	0.12					
Ge	72	116715.12		ug/L						
As	75	0.158156	184.845	ug/L	0.042					
Se	74	56.76645	12773.46	mg/L	53.565					
ArCl	77	516.353		ug/L						

Br	79	1407.123	ug/L						
Br	81	15811.229	ug/L						
Y	89	324621.6	ug/L						
Mo	95	2.183059	6429.033	ug/L	0.362				
Rh	103	316000.99	ug/L						
Ag	107	1.038975	9105.985	ug/L	0.041				
Ag	109	1.035767	8819.698	ug/L	0.017				
Cd	111	0.050302	129.336	ug/L	0.004				
Cd	114	0.045206	290.674	ug/L	0.001				
In	115	409668.55	ug/L						
Sb	121	5.878085	41437.29	ug/L	0.892				
Sb	123	5.936566	32050.24	ug/L	0.817				
Ba	137	0.064923	300.675	ug/L	0.005				
Ba	138	0.064995	1784.193	ug/L	0.004				
Tb	159	497423.61	ug/L						
Ho	165	476394.1	ug/L						
Hg	200	0.011699	34.334	ug/L	0.002				
Hg	202	0.01574	50.667	ug/L	0.004				
Tl	205	0.173023	3789.508	ug/L	0.032				
Pb	208	0.096771	3246.263	ug/L	0.001				
Bi	209	367506.25	ug/L						
Se	77	0.498702	505.347	mg/L	0.021				
Se	78	-3.22519	11469.72	mg/L	0.841				
Se	82	0.318987	71.928	mg/L	0.151				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.558							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.179
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.291
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.23
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: LCS
Sample Date/Time: Wednesday August 31 2011 14:05:18
Autosampl Position: 38
Sample Description 8/23/2011 A
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\LCS.19032
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7716.608		ug/L						
Be	9	1041.2597	247732.2	ug/L	11.964					
B	10	0.800669	93.335	ug/L	0.017					
B	11	0.452262	348.677	ug/L	0.089					
C	12	1291040.4		ug/L						
Na	23	12705.038	52326078	ug/L	154.886					
Mg	24	12697.491	33679397	ug/L	234.351					
Mg	25	12233.749	4645013	ug/L	222.442					
Al	27	12502.791	52329891	ug/L	12.559					
Si	28	70012.28		ug/L						
P	31	12834.495	2597117	ug/L	377.956					
S	32	71479820		ug/L						
Cl	35	8618126.4		ug/L						
K	39	12856.681	76882004	ug/L	424.016					
Ca	44	13306.806	2365935	ug/L	114.447					
Sc	45	128496.46		ug/L						
Ti	47	24.154907	12900.61	ug/L	0.375					
Ti	48	9.076487	47994.08	ug/L	1.43					
V	51	1027.0379	7794079	ug/L	35.173					
ClO	51	7857087.3		ug/L						
Cr	52	1006.079	6280946	ug/L	33.987					
Cr	53	851.51537	659012	ug/L	4.589					
Fe	54	12566.862	5376524	ug/L	252.796					
Mn	55	1031.4932	10461122	ug/L	0.924					
Fe	56	12910.166	98669478	ug/L	235.441					
Fe	57	12083.834	1953457	ug/L	58.998					
Co	59	1027.5431	7511662	ug/L	6.913					
Ni	60	857.47814	1344620	ug/L	22.887					
Ni	62	871.40598	208520.8	ug/L	15.223					
Cu	63	908.5315	3365850	ug/L	12.385					
Zn	64	848.86357	1520607	ug/L	14.174					
Cu	65	827.88103	1485315	ug/L	14.746					
Zn	66	855.52556	917848.7	ug/L	5.502					
Zn	68	868.37064	662376.4	ug/L	11.116					
Ge	72	117004.19		ug/L						
As	75	988.60995	1126670	ug/L	36.105					
Se	74	147.53025	17595.93	mg/L	52.338					
ArCl	77	88127.308		ug/L						

Br	79	4120.642		ug/L		
Br	81	18541.075		ug/L		
Y	89	324585.91		ug/L		
Mo	95	1172.4163	3413736	ug/L	24.783	
Rh	103	301741.98		ug/L		
Ag	107	253.8915	2149318	ug/L	8.412	
Ag	109	220.02672	1812739	ug/L	4.396	
Cd	111	1147.7634	2582902	ug/L	16.687	
Cd	114	1105.6089	5857212	ug/L	9.373	
In	115	415365		ug/L		
Sb	121	1250.0087	8778611	ug/L	29.463	
Sb	123	1244.2797	6695688	ug/L	16.443	
Ba	137	1061.9554	4039493	ug/L	22.981	
Ba	138	1076.2335	25961980	ug/L	29.03	
Tb	159	489262.06		ug/L		
Ho	165	472038.93		ug/L		
Hg	200	0.041925	84.001	ug/L	0.002	
Hg	202	0.046166	116.335	ug/L	0.006	
Tl	205	1218.7447	24754314	ug/L	19.896	
Pb	208	1192.5567	33863081	ug/L	17.964	
Bi	209	370597.43		ug/L		
Se	77	979.0022	86842.3	mg/L	26.365	
Se	78	951.2676	293763.9	mg/L	15.116	
Se	82	982.52899	126866	mg/L	9.683	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.91							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.399
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.519
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.432
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 14:11:44
Autosampl Position: 39
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19033
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7281.582		ug/L						
Be	9	0.082938	21	ug/L	0.004					
B	10	1.140721	98.335	ug/L	0.325					
B	11	0.797749	384.679	ug/L	0.038					
C	12	406370.98		ug/L						
Na	23	12.164993	64235.9	ug/L	0.501					
Mg	24	2.008275	5372.124	ug/L	0.095					
Mg	25	1.856605	700.097	ug/L	0.283					
Al	27	24.478479	93756.98	ug/L	0.369					
Si	28	53488.913		ug/L						
P	31	-1.330719	6302.825	ug/L	3.996					
S	32	69339123		ug/L						
Cl	35	7049912.8		ug/L						
K	39	13.158236	702500.8	ug/L	1.874					
Ca	44	-28.591478	24923.28	ug/L	0.235					
Sc	45	113758.06		ug/L						
Ti	47	0.045117	161.003	ug/L	0.034					
Ti	48	0.221778	-1073.5	ug/L	0.013					
V	51	0.788645	23449.78	ug/L	0.132					
ClO	51	24267.935		ug/L						
Cr	52	0.030355	5174.626	ug/L	0.032					
Cr	53	2.423633	7557.218	ug/L	0.654					
Fe	54	22.746982	43530.43	ug/L	6.826					
Mn	55	0.079037	1685.84	ug/L	0					
Fe	56	6.032975	1518450	ug/L	4.305					
Fe	57	19.782646	8454.779	ug/L	1.822					
Co	59	0.070349	556.689	ug/L	0.001					
Ni	60	0.133911	240.339	ug/L	0.012					
Ni	62	0.168283	66.334	ug/L	0.016					
Cu	63	0.261826	1002.065	ug/L	0.001					
Zn	64	2.203084	4308.914	ug/L	0.047					
Cu	65	0.258994	457.683	ug/L	0					
Zn	66	2.198354	2556.052	ug/L	0.094					
Zn	68	2.245621	1901.218	ug/L	0.079					
Ge	72	111071.93		ug/L						
As	75	0.278596	308.578	ug/L	0.186					
Se	74	-31.355878	7695.004	mg/L	53.712					
ArCl	77	490.352		ug/L						

Br	79	1404.789	ug/L						
Br	81	15429.905	ug/L						
Y	89	309773.43	ug/L						
Mo	95	2.679659	7482.162	ug/L	0.275				
Rh	103	311119.54	ug/L						
Ag	107	2.832898	23279	ug/L	0.042				
Ag	109	2.784624	22258.44	ug/L	0.04				
Cd	111	0.064628	155.67	ug/L	0.004				
Cd	114	0.057718	343.677	ug/L	0.012				
In	115	395991.01	ug/L						
Sb	121	8.084478	54876.44	ug/L	0.816				
Sb	123	8.04967	41859.57	ug/L	0.814				
Ba	137	0.084315	360.677	ug/L	0.011				
Ba	138	0.079124	2048.536	ug/L	0.005				
Tb	159	482134.87	ug/L						
Ho	165	462724.09	ug/L						
Hg	200	0.006532	25	ug/L	0.002				
Hg	202	0.00942	35.667	ug/L	0.002				
Tl	205	0.142606	3070.884	ug/L	0.009				
Pb	208	0.116688	3707.663	ug/L	0.005				
Bi	209	366817.6	ug/L						
Se	77	0.090673	469.345	mg/L	0.256				
Se	78	-4.922943	10967.61	mg/L	0.665				
Se	82	0.264437	64.886	mg/L	0.161				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	88.451							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	84.867
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.343
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	84.727
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 14:18:09
Autosampl Position: 40
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19034
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7415.023		ug/L						
Be	9	0.064215	17.667	ug/L	0.01					
B	10	0.561471	74.001	ug/L	0.04					
B	11	0.560299	344.01	ug/L	0.031					
C	12	398412.11		ug/L						
Na	23	4.161916	36292.59	ug/L	0.11					
Mg	24	1.177832	3541.044	ug/L	0.076					
Mg	25	1.169954	486.729	ug/L	0.227					
Al	27	7.554936	32133.24	ug/L	0.232					
Si	28	53016.093		ug/L						
P	31	-1.866517	6429.587	ug/L	1.818					
S	32	70451637		ug/L						
Cl	35	6784123.7		ug/L						
K	39	4.741532	681195.6	ug/L	1.195					
Ca	44	-42.96243	23475.95	ug/L	3.126					
Sc	45	117699.75		ug/L						
Ti	47	0.007232	148.336	ug/L	0.02					
Ti	48	0.20692	-1186.11	ug/L	0.006					
V	51	0.582084	22829.88	ug/L	0.158					
ClO	51	24149.609		ug/L						
Cr	52	-0.028128	5021.385	ug/L	0.009					
Cr	53	2.106173	7597.917	ug/L	0.394					
Fe	54	6.68867	38766.38	ug/L	2.404					
Mn	55	0.013502	1135.416	ug/L	0.002					
Fe	56	-5.949486	1488755	ug/L	1.196					
Fe	57	9.269006	7193.564	ug/L	0.568					
Co	59	0.025657	276.674	ug/L	0.002					
Ni	60	0.132419	246.672	ug/L	0.002					
Ni	62	0.153554	65.334	ug/L	0.034					
Cu	63	0.139362	621.361	ug/L	0.009					
Zn	64	1.818496	3826.804	ug/L	0.125					
Cu	65	0.14249	282.007	ug/L	0.006					
Zn	66	1.80043	2254.969	ug/L	0.08					
Zn	68	1.811778	1664.169	ug/L	0.098					
Ge	72	116789.52		ug/L						
As	75	0.107492	127.773	ug/L	0.047					
Se	74	19.170194	10782.64	mg/L	27.117					
ArCl	77	426.014		ug/L						

Br	79	1361.449	ug/L						
Br	81	15551.112	ug/L						
Y	89	328344.94	ug/L						
Mo	95	0.64998	1978.235	ug/L	0.015				
Rh	103	322660.89	ug/L						
Ag	107	1.92775	17007.06	ug/L	0.039				
Ag	109	1.928897	16542.2	ug/L	0.055				
Cd	111	0.011733	45.001	ug/L	0.002				
Cd	114	0.008175	100.002	ug/L	0				
In	115	421592.06	ug/L						
Sb	121	2.048611	15368.14	ug/L	0.057				
Sb	123	2.077745	11919.54	ug/L	0.013				
Ba	137	0.028817	170.003	ug/L	0.001				
Ba	138	0.030836	999.149	ug/L	0.002				
Tb	159	507355.93	ug/L						
Ho	165	488567.01	ug/L						
Hg	200	0.009047	30.667	ug/L	0.001				
Hg	202	0.006957	32	ug/L	0.003				
Tl	205	0.028512	843.048	ug/L	0				
Pb	208	0.04614	1841.093	ug/L	0.001				
Bi	209	373921.69	ug/L						
Se	77	-0.060448	456.011	mg/L	0.299				
Se	78	-5.222197	10879.1	mg/L	0.992				
Se	82	-0.074562	21.124	mg/L	0.396				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.516							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.235
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.861
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.459
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 14:24:35
Autosampl Position: 41
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19035
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7229.546		ug/L						
Be	9	0.01484	7	ug/L	0.015					
B	10	0.04999	50.001	ug/L	0.069					
B	11	0.171705	259.006	ug/L	0.056					
C	12	379079.63		ug/L						
Na	23	1.164294	25314.4	ug/L	0.115					
Mg	24	1.071231	3324.274	ug/L	0.085					
Mg	25	1.030423	443.388	ug/L	0.027					
Al	27	0.663985	5795.76	ug/L	0.013					
Si	28	48115.16		ug/L						
P	31	-5.502636	5825.792	ug/L	3.628					
S	32	71330620		ug/L						
Cl	35	6457042.7		ug/L						
K	39	0.464537	666441.9	ug/L	1.346					
Ca	44	57.75521	40159.18	ug/L	2.068					
Sc	45	119212.59		ug/L						
Ti	47	-0.035984	129.002	ug/L	0.06					
Ti	48	0.254712	-954.658	ug/L	0.003					
V	51	0.488563	22474.64	ug/L	0.035					
ClO	51	23256.959		ug/L						
Cr	52	-0.020863	5126.334	ug/L	0.044					
Cr	53	1.706759	7413.095	ug/L	0.087					
Fe	54	2.831433	37753.98	ug/L	1.651					
Mn	55	-0.014601	885.719	ug/L	0					
Fe	56	-4.723029	1516426	ug/L	1.82					
Fe	57	5.966538	6793.217	ug/L	0.438					
Co	59	0.012253	189.337	ug/L	0.002					
Ni	60	0.004663	64.001	ug/L	0.007					
Ni	62	0.0126	35	ug/L	0.06					
Cu	63	0.018287	213.005	ug/L	0.001					
Zn	64	1.119657	2716.174	ug/L	0.034					
Cu	65	0.024722	89.668	ug/L	0.001					
Zn	66	1.202672	1688.84	ug/L	0.003					
Zn	68	1.226907	1272.435	ug/L	0.012					
Ge	72	115944.02		ug/L						
As	75	-0.006089	-1.994	ug/L	0.025					
Se	74	12.494801	10363.81	mg/L	23.529					
ArCl	77	447.349		ug/L						

Br	79	1499.806	ug/L						
Br	81	16205.927	ug/L						
Y	89	323012.08	ug/L						
Mo	95	0.329121	1038.736	ug/L	0.012				
Rh	103	316444.36	ug/L						
Ag	107	1.420503	12681.63	ug/L	0.014				
Ag	109	1.422185	12338.83	ug/L	0.024				
Cd	111	0.005148	30	ug/L	0.001				
Cd	114	0.000951	61.334	ug/L	0.002				
In	115	422623.49	ug/L						
Sb	121	0.969588	7694.999	ug/L	0.012				
Sb	123	0.970621	5886.699	ug/L	0.041				
Ba	137	0.014514	115.002	ug/L	0.005				
Ba	138	0.015005	613.209	ug/L	0				
Tb	159	508452.41	ug/L						
Ho	165	477373.45	ug/L						
Hg	200	0.002874	19.667	ug/L	0				
Hg	202	0.003183	23	ug/L	0.002				
Tl	205	0.012965	504.352	ug/L	0				
Pb	208	0.004891	613.347	ug/L	0.002				
Bi	209	372462.39	ug/L						
Se	77	0.13601	473.346	mg/L	0.492				
Se	78	-3.838809	11288.24	mg/L	0.764				
Se	82	-0.124997	14.614	mg/L	0.07				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.692							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.589
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.083
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.409
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.01
Sample Date/Time: Wednesday August 31 2011 14:31:00
Autosampl Position: 42
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.01.19036
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7204.187		ug/L						
Be	9	0.036165	15.333	ug/L	0.011					
B	10	277.83505	17741.14	ug/L	7.266					
B	11	271.14342	81860.73	ug/L	9.378					
C	12	761491.93		ug/L						
Na	23	58830.339	2.93E+08	ug/L	3595.944					
Mg	24	24411.734	78434661	ug/L	990.63					
Mg	25	23507.469	10809904	ug/L	1168.691					
Al	27	28.734138	149917.7	ug/L	0.611					
Si	28	20395759		ug/L						
P	31	34.891282	17468.53	ug/L	6.338					
S	32	70837611		ug/L						
Cl	35	7780976.6		ug/L						
K	39	16728.029	1.21E+08	ug/L	940.332					
Ca	44	64492.753	13734189	ug/L	2546.09					
Sc	45	155758.59		ug/L						
Ti	47	2.484224	1779.525	ug/L	0.054					
Ti	48	32.21588	214849.1	ug/L	5.042					
V	51	1.051388	34513.08	ug/L	0.083					
ClO	51	36124.331		ug/L						
Cr	52	0.692403	12088.73	ug/L	0.032					
Cr	53	0.434156	8494.386	ug/L	0.568					
Fe	54	41644.247	21467734	ug/L	2110.867					
Mn	55	993.92572	12207515	ug/L	49.06					
Fe	56	42726.898	3.91E+08	ug/L	1642.424					
Fe	57	47949.309	9372227	ug/L	179.079					
Co	59	2.476163	22069.98	ug/L	0.068					
Ni	60	5.791597	11077.52	ug/L	0.189					
Ni	62	4.69932	1403.456	ug/L	0.276					
Cu	63	0.617121	2965.18	ug/L	0.028					
Zn	64	1.395662	4144.663	ug/L	0.088					
Cu	65	0.298153	710.702	ug/L	0.027					
Zn	66	1.168861	2160.945	ug/L	0.07					
Zn	68	2.799083	3112.564	ug/L	0.144					
Ge	72	119174.74		ug/L						
As	75	133.0885	154533.8	ug/L	1.905					
Se	74	-28.735138	8436.157	mg/L	31.362					
ArCl	77	746.705		ug/L						

Br	79	297983.08	ug/L						
Br	81	333958.33	ug/L						
Y	89	340798.75	ug/L						
Mo	95	0.839766	2581.726	ug/L	0.008				
Rh	103	304214.47	ug/L						
Ag	107	1.249877	11097.55	ug/L	0.014				
Ag	109	1.243595	10731.1	ug/L	0.003				
Cd	111	0.010277	41.334	ug/L	0.001				
Cd	114	0.014435	132.669	ug/L	0.004				
In	115	418343.88	ug/L						
Sb	121	0.848491	6760.583	ug/L	0.043				
Sb	123	0.838805	5113.498	ug/L	0.033				
Ba	137	98.26839	376600.2	ug/L	0.414				
Ba	138	108.1957	2629502	ug/L	0.597				
Tb	159	504834.98	ug/L						
Ho	165	491947.42	ug/L						
Hg	200	0.005457	24.667	ug/L	0.003				
Hg	202	0.004358	26.334	ug/L	0.003				
Tl	205	0.023913	751.039	ug/L	0.002				
Pb	208	0.066427	2452.822	ug/L	0.003				
Bi	209	348905.11	ug/L						
Se	77	2.705112	700.027	mg/L	0.492				
Se	78	-4.119633	11205.19	mg/L	0.263				
Se	82	4.912562	664.915	mg/L	0.114				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	121.108							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	91.058
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.161
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.078
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.02
Sample Date/Time: Wednesday August 31 2011 14:37:26
Autosampl Position: 43
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.02.19037
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7200.185		ug/L						
Be	9	0.011829	7.333	ug/L	0.006					
B	10	331.85806	18703.74	ug/L	14.725					
B	11	333.01153	88786.13	ug/L	8.847					
C	12	678162.93		ug/L						
Na	23	118328.22	5.21E+08	ug/L	4428.453					
Mg	24	16241.294	46099558	ug/L	694.26					
Mg	25	15561.802	6326548	ug/L	308.8					
Al	27	15.471817	73053.16	ug/L	0.204					
Si	28	14576544		ug/L						
P	31	13.93136	10924.32	ug/L	1.339					
S	32	75151440		ug/L						
Cl	35	8747288.1		ug/L						
K	39	9169.9211	58914787	ug/L	329.282					
Ca	44	39690.658	7479070	ug/L	1997.482					
Sc	45	137642.12		ug/L						
Ti	47	1.443423	982.73	ug/L	0.163					
Ti	48	24.242832	141387.2	ug/L	2.75					
V	51	0.585478	26730.55	ug/L	0.014					
ClO	51	27878.342		ug/L						
Cr	52	0.08768	6638.756	ug/L	0.041					
Cr	53	1.503573	8390.624	ug/L	0.103					
Fe	54	1275.6639	621735.3	ug/L	82.407					
Mn	55	2358.5978	25583564	ug/L	138.544					
Fe	56	1473.0956	13637134	ug/L	42.407					
Fe	57	1473.9099	260709	ug/L	114.534					
Co	59	4.46442	35020.69	ug/L	0.314					
Ni	60	6.002584	10133.41	ug/L	0.381					
Ni	62	5.242182	1379.785	ug/L	0.14					
Cu	63	1.881018	7624.606	ug/L	0.136					
Zn	64	2.8104	6372.383	ug/L	0.137					
Cu	65	1.115963	2197.288	ug/L	0.072					
Zn	66	2.754632	3727.801	ug/L	0.159					
Zn	68	3.698016	3485.37	ug/L	0.065					
Ge	72	117564.99		ug/L						
As	75	9.099596	10420.18	ug/L	0.409					
Se	74	-2.387519	9667.409	mg/L	63.737					
ArCl	77	798.71		ug/L						

Br	79	205870.29	ug/L						
Br	81	236948.18	ug/L						
Y	89	333767.01	ug/L						
Mo	95	13.950664	40880.12	ug/L	0.416				
Rh	103	302277.04	ug/L						
Ag	107	1.122329	10118.4	ug/L	0.022				
Ag	109	1.139555	9972.902	ug/L	0.048				
Cd	111	0.051128	135.336	ug/L	0.003				
Cd	114	0.039014	266.673	ug/L	0				
In	115	422928.6	ug/L						
Sb	121	0.512099	4430.457	ug/L	0.001				
Sb	123	0.516916	3406.364	ug/L	0.004				
Ba	137	45.367082	175803.3	ug/L	0.146				
Ba	138	45.656215	1121618	ug/L	1.495				
Tb	159	509373.9	ug/L						
Ho	165	494372.98	ug/L						
Hg	200	0.003591	21.667	ug/L	0.003				
Hg	202	0.005042	28	ug/L	0.004				
Tl	205	0.030224	889.386	ug/L	0.001				
Pb	208	0.056554	2171.789	ug/L	0.002				
Bi	209	354504.43	ug/L						
Se	77	3.022477	728.029	mg/L	0.812				
Se	78	-4.987493	10948.52	mg/L	0.056				
Se	82	3.705924	509.15	mg/L	0.037				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	107.022							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.828
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.149
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.522
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.03
Sample Date/Time: Wednesday August 31 2011 14:43:51
Autosampl Position: 44
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.03.19038
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7044.064		ug/L						
Be	9	0.043082	16.334	ug/L	0.008					
B	10	240.50475	14527.08	ug/L	1.159					
B	11	237.88473	67943.69	ug/L	1.206					
C	12	642931.82		ug/L						
Na	23	94157.112	4.44E+08	ug/L	1841.954					
Mg	24	11981.357	36395701	ug/L	334.15					
Mg	25	12071.399	5249493	ug/L	212.314					
Al	27	5.352759	29644.67	ug/L	0.34					
Si	28	19754845		ug/L						
P	31	233.35375	62403	ug/L	2.804					
S	32	76591545		ug/L						
Cl	35	8451375.1		ug/L						
K	39	7979.1797	54973905	ug/L	37.042					
Ca	44	25988.937	5257303	ug/L	669.079					
Sc	45	147179.31		ug/L						
Ti	47	1.90898	1334.445	ug/L	0.027					
Ti	48	13.151782	80779.41	ug/L	3.849					
V	51	0.290245	26022.12	ug/L	0.055					
ClO	51	26428.962		ug/L						
Cr	52	-0.147546	5423.885	ug/L	0.026					
Cr	53	0.51509	8107.362	ug/L	0.066					
Fe	54	8198.561	4032720	ug/L	256.74					
Mn	55	424.21322	4926784	ug/L	19.066					
Fe	56	8365.0066	73882101	ug/L	362.669					
Fe	57	7984.5316	1480492	ug/L	262.908					
Co	59	0.100076	968.395	ug/L	0.012					
Ni	60	4.162768	7545.873	ug/L	0.145					
Ni	62	3.880284	1103.078	ug/L	0.014					
Cu	63	0.779136	3490.705	ug/L	0.027					
Zn	64	0.7991	2697.046	ug/L	0.041					
Cu	65	0.128329	323.676	ug/L	0.004					
Zn	66	0.647695	1403.122	ug/L	0.038					
Zn	68	2.005909	2250.634	ug/L	0.052					
Ge	72	114114.44		ug/L						
As	75	5.026641	5592.988	ug/L	0.064					
Se	74	17.179445	10447.9	mg/L	13.405					
ArCl	77	716.035		ug/L						

Br	79	180079.25	ug/L						
Br	81	207860.63	ug/L						
Y	89	319613.55	ug/L						
Mo	95	3.063576	8784.999	ug/L	0.122				
Rh	103	306592.22	ug/L						
Ag	107	1.040237	9280.828	ug/L	0.043				
Ag	109	1.075163	9316.207	ug/L	0.015				
Cd	111	0.010891	42.667	ug/L	0.001				
Cd	114	0.007663	96.001	ug/L	0.002				
In	115	417427.07	ug/L						
Sb	121	0.387913	3489.372	ug/L	0.042				
Sb	123	0.380262	2619.205	ug/L	0.032				
Ba	137	67.736146	258684.1	ug/L	3.779				
Ba	138	68.139855	1649863	ug/L	4.448				
Tb	159	502100.73	ug/L						
Ho	165	485844.74	ug/L						
Hg	200	0.019936	49.001	ug/L	0.004				
Hg	202	0.014584	49.001	ug/L	0.001				
Tl	205	0.002575	296.008	ug/L	0.001				
Pb	208	0.021171	1100.37	ug/L	0.001				
Bi	209	352706.86	ug/L						
Se	77	2.901577	717.362	mg/L	0.983				
Se	78	-4.910897	10971.17	mg/L	0.357				
Se	82	3.075749	427.8	mg/L	0.227				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	114.437							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.191
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.963
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.96
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04
Sample Date/Time: Wednesday August 31 2011 14:50:17
Autosampl Position: 45
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.04.19039
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12476.557		ug/L						
Be	9	0.064107	21.334	ug/L	0.024					
B	10	268.50467	15756.13	ug/L	10.01					
B	11	271.07684	75279.19	ug/L	4.286					
C	12	9248563.9		ug/L						
Na	23	91891.091	4.22E+08	ug/L	893.636					
Mg	24	22943.183	67766239	ug/L	598.064					
Mg	25	22864.089	9668069	ug/L	454.775					
Al	27	4.45376	24605.72	ug/L	0.274					
Si	28	21023148		ug/L						
P	31	483.37547	116820.8	ug/L	21.339					
S	32	74629240		ug/L						
Cl	35	3297592.1		ug/L						
K	39	24113.137	1.6E+08	ug/L	26.885					
Ca	44	41082.403	8054487	ug/L	1490.023					
Sc	45	143140.05		ug/L						
Ti	47	2.652473	1735.85	ug/L	0.104					
Ti	48	19.086007	115622.2	ug/L	1.024					
V	51	-0.479469	18806.62	ug/L	0.1					
ClO	51	19615.001		ug/L						
Cr	52	-1.602438	-4843.43	ug/L	0.081					
Cr	53	-1.544041	6121.789	ug/L	0.373					
Fe	54	16310.282	7760508	ug/L	55.351					
Mn	55	3420.4645	38632597	ug/L	38.843					
Fe	56	16494.786	1.4E+08	ug/L	48.288					
Fe	57	18682.423	3361356	ug/L	312.76					
Co	59	4.062524	33199.85	ug/L	0.081					
Ni	60	11.1674	19569.24	ug/L	0.284					
Ni	62	10.335828	2791.123	ug/L	0.529					
Cu	63	0.809561	3519.383	ug/L	0.028					
Zn	64	2.279536	5570.837	ug/L	0.124					
Cu	65	0.197625	453.683	ug/L	0.013					
Zn	66	2.091208	3087.222	ug/L	0.093					
Zn	68	5.370871	5043.449	ug/L	0.207					
Ge	72	115853.68		ug/L						
As	75	19.576674	22095.05	ug/L	0.544					
Se	74	-0.576735	9678.312	mg/L	9.665					
ArCl	77	386.345		ug/L						

Br		79	298703.6	ug/L					
Br		81	333317.18	ug/L					
Y		89	311205.9	ug/L					
Mo		95	28.687169	82707.68	ug/L	2.663			
Rh		103	290502.18	ug/L					
Ag		107	0.383528	3523.729	ug/L	0.075			
Ag		109	0.383751	3416.022	ug/L	0.084			
Cd		111	0.094354	220.005	ug/L	0.003			
Cd		114	0.073334	424.014	ug/L	0.001			
In		115	396923.12	ug/L					
Sb		121	0.282534	2616.737	ug/L	0.033			
Sb		123	0.278424	1970.58	ug/L	0.013			
Ba		137	177.55777	645581.2	ug/L	0.398			
Ba		138	197.98802	4564657	ug/L	4.706			
Tb		159	491012.99	ug/L					
Ho		165	480608.33	ug/L					
Hg		200	0.052741	103.668	ug/L	0.006			
Hg		202	0.034654	93.001	ug/L	0.001			
Tl		205	0.155541	3456.025	ug/L	0.004			
Pb		208	0.064401	2338.137	ug/L	0.003			
Bi		209	321008.16	ug/L					
Se		77	-0.831165	388.008	mg/L	0.449			
Se		78	-4.448845	11107.82	mg/L	0.588			
Se		82	5.202012	702.28	mg/L	0.252			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	111.296							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge 88.52
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In 85.544
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho 88.001
| Hg
| Hg
| Tl
| Pb
|- Bi
Se
Se
Se

Sample ID: 102479.05
Sample Date/Time: Wednesday August 31 2011 14:56:43
Autosampl Position: 46
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.05.19040
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12699.531		ug/L						
Be	9	0.080648	25	ug/L	0.007					
B	10	280.02272	15919.09	ug/L	10.39					
B	11	277.26157	74544.79	ug/L	3.71					
C	12	816968.5		ug/L						
Na	23	97258.046	4.32E+08	ug/L	1968.557					
Mg	24	24125.014	69027380	ug/L	1019.966					
Mg	25	24005.971	9833288	ug/L	671.361					
Al	27	7.35998	36982.14	ug/L	0.16					
Si	28	20334995		ug/L						
P	31	523.33472	121931.1	ug/L	1.226					
S	32	78599260		ug/L						
Cl	35	9043201.1		ug/L						
K	39	24644.719	1.58E+08	ug/L	205.917					
Ca	44	42636.099	8098889	ug/L	837.764					
Sc	45	138642.64		ug/L						
Ti	47	2.679639	1695.175	ug/L	0.148					
Ti	48	21.399184	125790.4	ug/L	0.561					
V	51	0.446476	25783.46	ug/L	0.153					
ClO	51	26745.91		ug/L						
Cr	52	0.031229	6313.094	ug/L	0.019					
Cr	53	1.414981	8379.277	ug/L	0.211					
Fe	54	16982.826	7824496	ug/L	246.902					
Mn	55	3545.9699	38796367	ug/L	35.186					
Fe	56	17282.533	1.42E+08	ug/L	454.405					
Fe	57	19821.202	3452031	ug/L	622.31					
Co	59	4.062166	32158.44	ug/L	0.11					
Ni	60	11.882263	20170.22	ug/L	0.151					
Ni	62	11.081392	2897.491	ug/L	0.386					
Cu	63	0.897609	3762.149	ug/L	0.018					
Zn	64	3.433212	7627.303	ug/L	0.084					
Cu	65	0.294022	625.694	ug/L	0.006					
Zn	66	3.26305	4346.416	ug/L	0.152					
Zn	68	6.728094	6003.041	ug/L	0.171					
Ge	72	109004.56		ug/L						
As	75	19.803038	21033.2	ug/L	0.11					
Se	74	24.162761	10293.88	mg/L	39.169					
ArCl	77	734.704		ug/L						

Br	79	357439.14	ug/L						
Br	81	398838.61	ug/L						
Y	89	304410.52	ug/L						
Mo	95	35.023834	95050.63	ug/L	0.631				
Rh	103	282476.23	ug/L						
Ag	107	0.803966	6858.327	ug/L	0.095				
Ag	109	0.778633	6461.699	ug/L	0.09				
Cd	111	0.104747	240.672	ug/L	0.001				
Cd	114	0.080568	457.349	ug/L	0.001				
In	115	394204.7	ug/L						
Sb	121	0.442652	3665.442	ug/L	0.01				
Sb	123	0.44409	2802.013	ug/L	0.012				
Ba	137	179.60315	647861.6	ug/L	8.816				
Ba	138	197.70403	4523217	ug/L	8.713				
Tb	159	476897.74	ug/L						
Ho	165	458951.69	ug/L						
Hg	200	0.07224	130.336	ug/L	0.004				
Hg	202	0.05043	122.335	ug/L	0.002				
Tl	205	0.135858	2910.495	ug/L	0.005				
Pb	208	0.154832	4729.189	ug/L	0.003				
Bi	209	336278.38	ug/L						
Se	77	2.9318	720.029	mg/L	0.299				
Se	78	-5.14464	10902.04	mg/L	1.017				
Se	82	6.126126	821.575	mg/L	0.41				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	107.799							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	83.287
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.959
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	84.036
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.06
Sample Date/Time: Wednesday August 31 2011 15:03:10
Autosampl Position: 47
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.06.19041
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7193.512		ug/L						
Be	9	0.013153	6.667	ug/L	0.013					
B	10	3.265054	208.671	ug/L	0.747					
B	11	3.269884	982.73	ug/L	0.249					
C	12	576214.64		ug/L						
Na	23	290.16959	1140988	ug/L	1.641					
Mg	24	15.280717	38692.7	ug/L	0.279					
Mg	25	14.459811	5228.693	ug/L	0.131					
Al	27	1.598903	9522.606	ug/L	0.1					
Si	28	357798.47		ug/L						
P	31	-0.864455	6769.87	ug/L	2.217					
S	32	80214513		ug/L						
Cl	35	7054715.9		ug/L						
K	39	14.116611	749245.9	ug/L	2.149					
Ca	44	42.224149	38029.85	ug/L	0.363					
Sc	45	120462.23		ug/L						
Ti	47	0.031805	164.003	ug/L	0.013					
Ti	48	0.311933	-666.077	ug/L	0.007					
V	51	0.641674	23798.03	ug/L	0.078					
ClO	51	24353.827		ug/L						
Cr	52	-0.078923	4841.77	ug/L	0.003					
Cr	53	1.96891	7679.319	ug/L	0.027					
Fe	54	13.614611	42440.53	ug/L	0.354					
Mn	55	0.352512	4384.434	ug/L	0.013					
Fe	56	1.797747	1578380	ug/L	1.786					
Fe	57	19.605045	8921.939	ug/L	3.32					
Co	59	0.001163	115.335	ug/L	0.001					
Ni	60	0.081202	177.004	ug/L	0.021					
Ni	62	0.072235	48.667	ug/L	0.006					
Cu	63	0.083228	440.682	ug/L	0.007					
Zn	64	1.526773	3428.767	ug/L	0.065					
Cu	65	0.057216	145.336	ug/L	0.01					
Zn	66	1.559219	2064.922	ug/L	0.005					
Zn	68	1.541162	1510.474	ug/L	0.058					
Ge	72	117984.69		ug/L						
As	75	0.040312	51.217	ug/L	0.085					
Se	74	40.963256	12069	mg/L	7.956					
ArCl	77	413.014		ug/L						

Br	79	9217.786	ug/L						
Br	81	23579.842	ug/L						
Y	89	329545.9	ug/L						
Mo	95	0.248204	819.378	ug/L	0.003				
Rh	103	325795.64	ug/L						
Ag	107	0.980526	9029.248	ug/L	0.081				
Ag	109	0.974321	8718.936	ug/L	0.051				
Cd	111	0.003365	26.334	ug/L	0				
Cd	114	0.002054	68.334	ug/L	0				
In	115	429430.88	ug/L						
Sb	121	0.187528	2143.608	ug/L	0.018				
Sb	123	0.185776	1617.476	ug/L	0.012				
Ba	137	0.320757	1321.109	ug/L	0.013				
Ba	138	0.318148	8183.279	ug/L	0.01				
Tb	159	520188.97	ug/L						
Ho	165	502586.94	ug/L						
Hg	200	0.001913	19	ug/L	0.001				
Hg	202	0.000188	17.334	ug/L	0.002				
Tl	205	0.00252	305.008	ug/L	0.001				
Pb	208	0.018166	1047.7	ug/L	0				
Bi	209	379143.44	ug/L						
Se	77	-0.090673	453.345	mg/L	0.214				
Se	78	-4.67905	11039.74	mg/L	0.2				
Se	82	0.089007	42.24	mg/L	0.261				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.664							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.149
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	92.55
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	92.026
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.07
Sample Date/Time: Wednesday August 31 2011 15:09:37
Autosampl Position: 48
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.07.19042
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7209.528		ug/L						
Be	9	0.015528	8.667	ug/L	0.01					
B	10	247.83828	14679.66	ug/L	1.642					
B	11	250.45408	70127.49	ug/L	2.668					
C	12	749406.64		ug/L						
Na	23	59042.438	2.73E+08	ug/L	930.385					
Mg	24	14633.183	43591134	ug/L	349.678					
Mg	25	14211.087	6059899	ug/L	345.438					
Al	27	36.898393	177313.4	ug/L	0.927					
Si	28	14814468		ug/L						
P	31	163.95532	45444.57	ug/L	11.126					
S	32	77726764		ug/L						
Cl	35	7691336.1		ug/L						
K	39	12071.556	81139688	ug/L	112.352					
Ca	44	53661.481	10602154	ug/L	747.335					
Sc	45	144337.05		ug/L						
Ti	47	3.003288	1957.23	ug/L	0.005					
Ti	48	34.391522	212143	ug/L	0.742					
V	51	0.417722	26600.46	ug/L	0.075					
ClO	51	27558.316		ug/L						
Cr	52	0.05934	6771.593	ug/L	0.017					
Cr	53	0.459889	7902.847	ug/L	0.001					
Fe	54	23264.954	11142546	ug/L	259.204					
Mn	55	1881.6985	21428037	ug/L	59.984					
Fe	56	23508.293	2E+08	ug/L	926.805					
Fe	57	26160.132	4740009	ug/L	991.103					
Co	59	2.264843	18723.45	ug/L	0.038					
Ni	60	5.071514	9004.55	ug/L	0.082					
Ni	62	4.210235	1170.754	ug/L	0.093					
Cu	63	0.76612	3369.992	ug/L	0					
Zn	64	3.310831	7692.631	ug/L	0.142					
Cu	65	0.430726	926.723	ug/L	0.004					
Zn	66	2.93291	4128.312	ug/L	0.025					
Zn	68	3.941206	3863.193	ug/L	0.146					
Ge	72	120178.5		ug/L						
As	75	12.673542	14844.53	ug/L	0.192					
Se	74	-56.703879	6986.224	mg/L	25.638					
ArCl	77	626.695		ug/L						

Br	79	201638.38	ug/L						
Br	81	231043.82	ug/L						
Y	89	327714.42	ug/L						
Mo	95	0.248303	835.047	ug/L	0.012				
Rh	103	301696.35	ug/L						
Ag	107	0.640583	5806.915	ug/L	0.056				
Ag	109	0.626866	5526.068	ug/L	0.026				
Cd	111	0.011349	43.001	ug/L	0.003				
Cd	114	0.014292	130.002	ug/L	0.002				
In	115	412001.33	ug/L						
Sb	121	0.275193	2666.084	ug/L	0.001				
Sb	123	0.28628	2086.946	ug/L	0.011				
Ba	137	52.015824	196271.7	ug/L	1.545				
Ba	138	52.564028	1257429	ug/L	2.643				
Tb	159	509266.49	ug/L						
Ho	165	485785.56	ug/L						
Hg	200	0.00365	21.334	ug/L	0.003				
Hg	202	0.00774	33.667	ug/L	0				
Tl	205	0.004294	332.009	ug/L	0				
Pb	208	0.35784	10940.03	ug/L	0.001				
Bi	209	367331.7	ug/L						
Se	77	1.768138	617.354	mg/L	0.235				
Se	78	-4.992954	10946.9	mg/L	1.314				
Se	82	3.444544	475.408	mg/L	0.399				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	112.227							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	91.825
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.794
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.949
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.08
Sample Date/Time: Wednesday August 31 2011 15:16:04
Autosampl Position: 49
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.08.19043
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	8075.585		ug/L						
Be	9	0.110081	36.334	ug/L	0.025					
B	10	205.13011	13000.75	ug/L	1.388					
B	11	202.23217	60587.18	ug/L	7.319					
C	12	709976.45		ug/L						
Na	23	79561.554	3.93E+08	ug/L	2513.429					
Mg	24	17629.661	56141567	ug/L	848.764					
Mg	25	17379.529	7921213	ug/L	1086.042					
Al	27	3.813776	23332.23	ug/L	0.086					
Si	28	22443485		ug/L						
P	31	397.52961	105274	ug/L	13.149					
S	32	79040373		ug/L						
Cl	35	7537480.1		ug/L						
K	39	9366.3437	67524151	ug/L	73.658					
Ca	44	23339.068	4954082	ug/L	36.363					
Sc	45	154339.41		ug/L						
Ti	47	2.535458	1795.195	ug/L	0.178					
Ti	48	11.963398	76968.62	ug/L	0.101					
V	51	-0.006387	24587.45	ug/L	0.075					
ClO	51	25096.179		ug/L						
Cr	52	-0.181457	5435.633	ug/L	0.005					
Cr	53	-0.492123	7572.228	ug/L	0.225					
Fe	54	12982.88	6666641	ug/L	730.688					
Mn	55	360.65841	4392992	ug/L	9.203					
Fe	56	13574.561	1.24E+08	ug/L	737.895					
Fe	57	15342.184	2975895	ug/L	469.543					
Co	59	1.612765	14294.04	ug/L	0.05					
Ni	60	5.412237	10264.9	ug/L	0.186					
Ni	62	5.05884	1495.138	ug/L	0.111					
Cu	63	0.639253	3038.538	ug/L	0.01					
Zn	64	1.3283	3964.922	ug/L	0.028					
Cu	65	0.128687	340.01	ug/L	0.005					
Zn	66	1.194515	2174.949	ug/L	0.074					
Zn	68	2.454286	2770.45	ug/L	0.056					
Ge	72	118261.59		ug/L						
As	75	8.256621	9517.878	ug/L	0.036					
Se	74	-7.956884	9476.002	mg/L	26.428					
ArCl	77	638.029		ug/L						

Br	79	189010.29	ug/L						
Br	81	217881.51	ug/L						
Y	89	329358.4	ug/L						
Mo	95	4.236938	12558.13	ug/L	0.024				
Rh	103	302338.44	ug/L						
Ag	107	0.562232	5191.202	ug/L	0.02				
Ag	109	0.55311	4960.07	ug/L	0.011				
Cd	111	0.018308	59.001	ug/L	0.001				
Cd	114	0.014246	130.336	ug/L	0.003				
In	115	414771.04	ug/L						
Sb	121	0.226644	2343.325	ug/L	0.007				
Sb	123	0.222124	1756.927	ug/L	0.003				
Ba	137	67.910008	258077.1	ug/L	0.809				
Ba	138	67.658003	1630173	ug/L	0.895				
Tb	159	509269.06	ug/L						
Ho	165	485207.37	ug/L						
Hg	200	0.007041	27	ug/L	0.003				
Hg	202	0.004656	26.667	ug/L	0.002				
Tl	205	0.000718	257.006	ug/L	0				
Pb	208	0.034412	1484.395	ug/L	0.003				
Bi	209	365671.31	ug/L						
Se	77	2.357527	669.358	mg/L	1.154				
Se	78	-4.134255	11200.86	mg/L	0.319				
Se	82	3.615622	497.492	mg/L	0.23				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	120.004							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.36
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.391
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.843
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.09
Sample Date/Time: Wednesday August 31 2011 15:22:31
Autosampl Position: 50
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.09.19044
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7225.537		ug/L						
Be	9	0.018542	10.333	ug/L	0.004					
B	10	224.31811	14517.39	ug/L	5.713					
B	11	222.7896	68156.28	ug/L	10.919					
C	12	661409.81		ug/L						
Na	23	66832.341	3.38E+08	ug/L	1596.836					
Mg	24	21757.239	70812380	ug/L	513.775					
Mg	25	21186.744	9872237	ug/L	254.155					
Al	27	40.135853	210532.9	ug/L	1.759					
Si	28	28373567		ug/L						
P	31	247.36947	70304.51	ug/L	12.138					
S	32	78394920		ug/L						
Cl	35	8251158.8		ug/L						
K	39	21504.593	1.57E+08	ug/L	472.179					
Ca	44	47077.355	10163815	ug/L	1983.7					
Sc	45	157705.93		ug/L						
Ti	47	3.726588	2607.067	ug/L	0.039					
Ti	48	28.435449	191490	ug/L	4.614					
V	51	0.36276	28563.44	ug/L	0.02					
ClO	51	30002.067		ug/L						
Cr	52	-0.007058	6888.449	ug/L	0.006					
Cr	53	0.039594	8237.479	ug/L	0.179					
Fe	54	22932.919	12004395	ug/L	215.283					
Mn	55	977.48685	12161753	ug/L	32.879					
Fe	56	22829.434	2.13E+08	ug/L	145.097					
Fe	57	25846.347	5117740	ug/L	524.86					
Co	59	2.685462	24225.48	ug/L	0.084					
Ni	60	6.374598	12341.83	ug/L	0.127					
Ni	62	5.555187	1673.171	ug/L	0.184					
Cu	63	0.848222	4053.277	ug/L	0.037					
Zn	64	0.970515	3263.963	ug/L	0.068					
Cu	65	0.410107	966.394	ug/L	0.03					
Zn	66	0.807306	1713.179	ug/L	0.043					
Zn	68	2.003621	2409.01	ug/L	0.07					
Ge	72	121639.04		ug/L						
As	75	106.82654	126601.3	ug/L	0.107					
Se	74	-73.712222	6128.074	mg/L	57.513					
ArCl	77	688.7		ug/L						

Br	79	212336.79	ug/L						
Br	81	240577.16	ug/L						
Y	89	330147.65	ug/L						
Mo	95	2.784511	8521.077	ug/L	0.001				
Rh	103	301724.52	ug/L						
Ag	107	0.467435	4391.44	ug/L	0.024				
Ag	109	0.452482	4134.317	ug/L	0.022				
Cd	111	0.019372	61.334	ug/L	0.003				
Cd	114	0.014317	130.669	ug/L	0.003				
In	115	414817.56	ug/L						
Sb	121	0.18026	2016.577	ug/L	0.023				
Sb	123	0.188896	1576.76	ug/L	0.027				
Ba	137	64.100793	243514.1	ug/L	1.756				
Ba	138	64.113987	1544613	ug/L	1.653				
Tb	159	498963.82	ug/L						
Ho	165	485310.87	ug/L						
Hg	200	0.007631	28	ug/L	0.003				
Hg	202	0.008036	34.334	ug/L	0.001				
Tl	205	0.001497	273.674	ug/L	0.001				
Pb	208	0.297924	9170.917	ug/L	0.018				
Bi	209	356786.51	ug/L						
Se	77	2.735337	702.694	mg/L	0.064				
Se	78	-5.341616	10843.78	mg/L	0.697				
Se	82	3.480055	479.992	mg/L	0.216				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	122.622							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.941
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.401
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	88.862
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time: Wednesday August 31 2011 15:28:58
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.19045
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7076.089		ug/L						
Be	9	0.009669	6	ug/L	0.005					
B	10	2.61225	181.004	ug/L	0.503					
B	11	2.47016	814.712	ug/L	0.201					
C	12	401132.79		ug/L						
Na	23	11.887542	68329.33	ug/L	0.553					
Mg	24	0.309475	1496.94	ug/L	0.001					
Mg	25	0.323381	200.022	ug/L	0.051					
Al	27	-0.041685	3150.861	ug/L	0.02					
Si	28	53529.181		ug/L						
P	31	2.007368	7490.557	ug/L	5.668					
S	32	79692313		ug/L						
Cl	35	6610481		ug/L						
K	39	9.528068	738322.6	ug/L	6.01					
Ca	44	-72.51557	19562.98	ug/L	4.009					
Sc	45	123006.1		ug/L						
Ti	47	-0.038384	132.002	ug/L	0.004					
Ti	48	0.202423	-1262.37	ug/L	0.008					
V	51	0.388738	22427.2	ug/L	0.23					
ClO	51	23334.815		ug/L						
Cr	52	-0.079468	4932.174	ug/L	0.064					
Cr	53	1.294961	7336.033	ug/L	0.677					
Fe	54	18.101254	45246.87	ug/L	9.366					
Mn	55	0.002553	1081.409	ug/L	0.004					
Fe	56	-8.509653	1536770	ug/L	4.536					
Fe	57	15.451564	8464.785	ug/L	2.069					
Co	59	-0.004677	77.001	ug/L	0					
Ni	60	0.016467	83.668	ug/L	0.001					
Ni	62	0.025551	39	ug/L	0.002					
Cu	63	0.015047	208.338	ug/L	0					
Zn	64	-0.003395	876.763	ug/L	0.035					
Cu	65	0.006655	61.334	ug/L	0.004					
Zn	66	0.024064	532.354	ug/L	0.023					
Zn	68	0.029392	439.348	ug/L	0.015					
Ge	72	119450.42		ug/L						
As	75	0.103787	126.432	ug/L	0.055					
Se	74	12.904248	10718.61	mg/L	35.001					
ArCl	77	376.012		ug/L						

Br	79	10464.161	ug/L						
Br	81	25213.252	ug/L						
Y	89	327011.87	ug/L						
Mo	95	0.07291	309.008	ug/L	0.017				
Rh	103	316212.57	ug/L						
Ag	107	0.410662	4040.661	ug/L	0.151				
Ag	109	0.424723	4035.325	ug/L	0.156				
Cd	111	0.000379	19.334	ug/L	0.002				
Cd	114	-0.003063	40	ug/L	0.001				
In	115	426848.16	ug/L						
Sb	121	0.082742	1373.451	ug/L	0.003				
Sb	123	0.08423	1045.81	ug/L	0				
Ba	137	0.001046	63.668	ug/L	0.002				
Ba	138	0.00317	326.252	ug/L	0.001				
Tb	159	513732.63	ug/L						
Ho	165	488504.81	ug/L						
Hg	200	0.000085	15.333	ug/L	0.001				
Hg	202	-0.001347	13.333	ug/L	0.001				
Tl	205	0.000795	260.34	ug/L	0				
Pb	208	0.000001	484.343	ug/L	0.001				
Bi	209	385779.18	ug/L						
Se	77	-1.269413	349.34	mg/L	0.598				
Se	78	-4.724868	11026.19	mg/L	0.849				
Se	82	0.11959	46.188	mg/L	0.077				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	95.642							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	91.268
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.994
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.447
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time: Wednesday August 31 2011 15:35:53
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.19046
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7054.74		ug/L						
Be	9	99.623983	22925.77	ug/L	3.966					
B	10	101.66563	5211.546	ug/L	6.641					
B	11	102.98468	24966.82	ug/L	3.766					
C	12	392117.67		ug/L						
Na	23	112.30907	469098.7	ug/L	2.215					
Mg	24	112.57514	289630.3	ug/L	2.035					
Mg	25	110.43529	40654.77	ug/L	1.948					
Al	27	104.52963	426623.9	ug/L	1.711					
Si	28	160649.62		ug/L						
P	31	3.057521	7780.881	ug/L	8.881					
S	32	78586286		ug/L						
Cl	35	6308042.1		ug/L						
K	39	1236.958	7777051	ug/L	91.859					
Ca	44	55.381967	41458.47	ug/L	11.803					
Sc	45	124355.87		ug/L						
Ti	47	98.777963	50535.6	ug/L	5.174					
Ti	48	99.016715	530133.2	ug/L	4.8					
V	51	91.673223	691012.1	ug/L	3.931					
ClO	51	708094.66		ug/L						
Cr	52	95.442279	581363.3	ug/L	3.363					
Cr	53	92.138595	74742.74	ug/L	3.143					
Fe	54	114.66552	85355.79	ug/L	1.141					
Mn	55	93.035163	913697.5	ug/L	2.574					
Fe	56	181.54199	2935105	ug/L	11.175					
Fe	57	114.93894	24077.6	ug/L	0.443					
Co	59	94.755234	670313.6	ug/L	1.548					
Ni	60	94.031655	142685.5	ug/L	3.499					
Ni	62	94.62506	21932.65	ug/L	3.314					
Cu	63	93.089795	333716.8	ug/L	3.494					
Zn	64	92.385653	160847.3	ug/L	4.386					
Cu	65	92.354596	160271	ug/L	5.072					
Zn	66	90.365191	94230.12	ug/L	3.002					
Zn	68	91.992683	68256.64	ug/L	2.157					
Ge	72	118307.59		ug/L						
As	75	105.24453	121281.4	ug/L	3.465					
Se	74	44.555474	12279.2	mg/L	40.802					
ArCl	77	9036.246		ug/L						

Br	79	5008.096	ug/L			
Br	81	18773.552	ug/L			
Y	89	318729.38	ug/L			
Mo	95	95.235778	280352.7	ug/L	3.818	
Rh	103	309239.65	ug/L			
Ag	107	91.877203	780742	ug/L	4.245	
Ag	109	82.632576	682347.2	ug/L	11.957	
Cd	111	102.06257	230498.5	ug/L	3.227	
Cd	114	100.83391	536180.6	ug/L	1.877	
In	115	416955.14	ug/L			
Sb	121	100.46406	707821.3	ug/L	9.728	
Sb	123	100.51981	542720.5	ug/L	9.39	
Ba	137	102.40517	390995.1	ug/L	2.749	
Ba	138	110.86153	2684320	ug/L	3.023	
Tb	159	504603.83	ug/L			
Ho	165	481475.03	ug/L			
Hg	200	1.116136	1896.55	ug/L	0.036	
Hg	202	1.110453	2482.364	ug/L	0.06	
Tl	205	122.38351	2534442	ug/L	4.433	
Pb	208	102.12364	2956606	ug/L	4.016	
Bi	209	390239.78	ug/L			
Se	77	93.193468	8684.146	mg/L	1.241	
Se	78	90.646961	39232.7	mg/L	3.277	
Se	82	95.488171	12357.37	mg/L	0.428	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	98.638							
|	B	101.362							
|	B	102.677							
|	C								
|	Na	110.868							
|	Mg	111.461							
|	Mg	109.342							
|	Al	104.113							
|	Si								
|	P								
|	S								
|	Cl								
|	K	123.326							
|	Ca	54.888							
|>	Sc	96.691							
|	Ti	98.778							
|	Ti	99.017							
|	V	91.308							
|	ClO								
|	Cr	94.497							

	Cr	91.226
	Fe	113.982
	Mn	92.665
	Fe	180.459
	Fe	114.253
	Co	94.19
	Ni	93.285
	Ni	93.874
	Cu	93.183
	Zn	91.743
	Cu	92.447
	Zn	89.737
-	Zn	91.353
>	Ge	90.395
	As	105.88
	Se	44.467
	ArCl	
	Br	
	Br	
	Y	
-	Mo	94.951
-	Rh	
	Ag	91.148
	Ag	81.977
	Cd	101.555
	Cd	100.332
>	In	89.862
	Sb	100.164
	Sb	100.219
	Ba	101.693
-	Ba	110.091
-	Tb	
>	Ho	88.16
	Hg	111.614
	Hg	111.045
	Tl	122.384
	Pb	102.124
-	Bi	
	Se	93.007
	Se	90.466
	Se	95.298

Sample ID: QC Std 5
Sample Date/Time: Wednesday August 31 2011 15:42:47
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.19047
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6901.285		ug/L						
Be	9	45.993567	10077.35	ug/L	0.14					
B	10	182.73347	8882.095	ug/L	6.792					
B	11	176.87324	40656.82	ug/L	5.781					
C	12	379628.79		ug/L						
Na	23	11.440178	64068.02	ug/L	0.021					
Mg	24	0.556341	2043.774	ug/L	0.198					
Mg	25	0.744428	340.04	ug/L	0.076					
Al	27	203.32804	786653.3	ug/L	0.427					
Si	28	89403.061		ug/L						
P	31	1.426329	7073.465	ug/L	2.623					
S	32	76195841		ug/L						
Cl	35	6511390.9		ug/L						
K	39	11.627654	722279.4	ug/L	0.514					
Ca	44	-61.238194	20648.82	ug/L	1.977					
Sc	45	118302.11		ug/L						
Ti	47	0.273933	278.674	ug/L	0.003					
Ti	48	0.445252	29.152	ug/L	0.064					
V	51	25.554554	196985.5	ug/L	0.835					
ClO	51	202101.55		ug/L						
Cr	52	50.096007	292925.4	ug/L	0.455					
Cr	53	49.620288	41148.68	ug/L	1.388					
Fe	54	212.8769	119600.6	ug/L	3.127					
Mn	55	107.23244	1002134	ug/L	0.945					
Fe	56	302.00462	3626843	ug/L	0.688					
Fe	57	225.91381	39372.4	ug/L	8.496					
Co	59	24.256709	163368.6	ug/L	0.254					
Ni	60	207.46841	299601.5	ug/L	0.633					
Ni	62	202.69005	44679.66	ug/L	4.845					
Cu	63	78.662921	268457.5	ug/L	0.073					
Zn	64	100.09507	165838.9	ug/L	0.836					
Cu	65	78.857137	130302.9	ug/L	1.468					
Zn	66	100.08086	99273.6	ug/L	3.191					
Zn	68	103.36278	72934.48	ug/L	1.686					
Ge	72	113459.71		ug/L						
As	75	47.063064	52035.15	ug/L	0.928					
Se	74	47.916296	11956.33	mg/L	18.924					
ArCl	77	14442.274		ug/L						

Br	79	3832.847	ug/L						
Br	81	17201.098	ug/L						
Y	89	313706.43	ug/L						
Mo	95	44.36487	125360.9	ug/L	1.329				
Rh	103	310558.46	ug/L						
Ag	107	49.62606	416584.1	ug/L	2.763				
Ag	109	49.604764	405151.7	ug/L	3.05				
Cd	111	24.131765	53822.08	ug/L	1.058				
Cd	114	24.137612	126774.8	ug/L	0.573				
In	115	411715.45	ug/L						
Sb	121	55.625807	387757.1	ug/L	1.141				
Sb	123	55.935726	298670.2	ug/L	2.733				
Ba	137	145.00546	546701.7	ug/L	3.627				
Ba	138	159.64483	3816542	ug/L	5.844				
Tb	159	491718.89	ug/L						
Ho	165	480682.29	ug/L						
Hg	200	1.125437	1909.887	ug/L	0.051				
Hg	202	1.131401	2527.043	ug/L	0.01				
Tl	205	15.211493	314894.4	ug/L	0.192				
Pb	208	106.9829	3094176	ug/L	1.434				
Bi	209	375830.82	ug/L						
Se	77	150.9752	13782.44	mg/L	0.321				
Se	78	150.74961	57008.24	mg/L	3.516				
Se	82	159.60109	20633.75	mg/L	2.449				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	107.966							
|	B	114.208							
|	B	110.546							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	115.527							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	91.984							
|	Ti								
|	Ti								
|	V	102.629							
|	ClO								
|	Cr	101.821							

	Cr	100.854
	Fe	118.926
	Mn	101.163
	Fe	168.718
	Fe	126.209
	Co	104.106
	Ni	101.7
	Ni	99.358
	Cu	100.592
	Zn	95.329
	Cu	100.84
	Zn	95.315
-	Zn	98.441
>	Ge	86.691
	As	119.449
	Se	29.948
	ArCl	
	Br	
	Br	
	Y	
-	Mo	105.883
-	Rh	
	Ag	98.66
	Ag	98.618
	Cd	104.016
	Cd	104.041
>	In	88.732
	Sb	119.625
	Sb	120.292
	Ba	102.841
-	Ba	113.223
-	Tb	
>	Ho	88.015
	Hg	112.544
	Hg	113.14
	Tl	107.123
	Pb	102.868
-	Bi	
	Se	94.359
	Se	94.219
	Se	99.751

Sample ID: QC Std 6
Sample Date/Time: Wednesday August 31 2011 15:49:42
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.19048
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7061.408		ug/L						
Be	9	0.015021	8	ug/L	0.001					
B	10	1.358575	129.669	ug/L	0.009					
B	11	1.423434	624.028	ug/L	0.072					
C	12	381511.88		ug/L						
Na	23	11142.797	48510663	ug/L	230.979					
Mg	24	11075.368	31043473	ug/L	447.521					
Mg	25	11085.165	4449005	ug/L	219.96					
Al	27	11274.153	49873000	ug/L	262.416					
Si	28	51185.585		ug/L						
P	31	12385.304	2648369	ug/L	645.844					
S	32	74373005		ug/L						
Cl	35	5837859.9		ug/L						
K	39	11354.103	71837536	ug/L	510.406					
Ca	44	11905.078	2240472	ug/L	385.484					
Sc	45	135853.3		ug/L						
Ti	47	26.059516	14698.69	ug/L	0.214					
Ti	48	6.274534	34289.61	ug/L	0.207					
V	51	-0.183865	20219	ug/L	0.083					
ClO	51	20864.795		ug/L						
Cr	52	-0.082584	5435.231	ug/L	0.012					
Cr	53	-0.572956	6598.126	ug/L	0.312					
Fe	54	11176.059	5057130	ug/L	497.687					
Mn	55	0.030668	1496.472	ug/L	0.012					
Fe	56	11151.883	90276688	ug/L	721.717					
Fe	57	11007.885	1882252	ug/L	119.56					
Co	59	0.025742	320.009	ug/L	0.001					
Ni	60	0.235993	456.016	ug/L	0.017					
Ni	62	0.115987	66.001	ug/L	0.011					
Cu	63	0.189715	914.722	ug/L	0.009					
Zn	64	0.668172	2239.866	ug/L	0.043					
Cu	65	0.128102	298.008	ug/L	0.01					
Zn	66	0.632394	1277.436	ug/L	0.043					
Zn	68	0.597902	942.725	ug/L	0.033					
Ge	72	118928.95		ug/L						
As	75	0.016241	24.33	ug/L	0.052					
Se	74	21.882503	11122.48	mg/L	43.11					
ArCl	77	456.683		ug/L						

Br	79	3304.968	ug/L						
Br	81	17273.92	ug/L						
Y	89	323124.22	ug/L						
Mo	95	0.307837	1003.066	ug/L	0.031				
Rh	103	300872.47	ug/L						
Ag	107	0.464008	4423.815	ug/L	0.103				
Ag	109	0.447534	4151.012	ug/L	0.097				
Cd	111	0.016788	56.334	ug/L	0.002				
Cd	114	0.012163	121.002	ug/L	0.001				
In	115	419701.41	ug/L						
Sb	121	0.910737	7231.293	ug/L	0.064				
Sb	123	0.920899	5580.035	ug/L	0.042				
Ba	137	0.053086	262.673	ug/L	0.002				
Ba	138	0.056506	1619.845	ug/L	0.003				
Tb	159	502337.87	ug/L						
Ho	165	487666.36	ug/L						
Hg	200	0.016866	44.001	ug/L	0.006				
Hg	202	0.017007	54.667	ug/L	0.003				
Tl	205	0.009936	451.682	ug/L	0.002				
Pb	208	0.04295	1743.749	ug/L	0.003				
Bi	209	377186.33	ug/L						
Se	77	-0.755605	394.675	mg/L	0.47				
Se	78	-4.21727	11176.31	mg/L	1.557				
Se	82	-0.018722	28.333	mg/L	0.094				

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	111.428							
|	Mg	110.754							
|	Mg	110.852							
|	Al	112.742							
|	Si								
|	P	123.853							
|	S								
|	Cl								
|	K	113.541							
|	Ca	119.051							
|>	Sc	105.631							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	111.761
	Mn	
	Fe	111.519
	Fe	110.079
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.87
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.454
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.294
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.1
Sample Date/Time: Wednesday August 31 2011 15:56:37
Autosampl Position: 51
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.10.19049
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7264.234		ug/L						
Be	9	0.052258	19.667	ug/L	0.003					
B	10	325.28324	20519.34	ug/L	4.052					
B	11	326.18764	97299.95	ug/L	2.041					
C	12	669987.38		ug/L						
Na	23	98300.442	4.85E+08	ug/L	1442.254					
Mg	24	24005.041	76239444	ug/L	731.209					
Mg	25	24076.576	10948616	ug/L	155.783					
Al	27	91.940719	464931.3	ug/L	1.341					
Si	28	29043949		ug/L						
P	31	121.48239	38207.27	ug/L	3.909					
S	32	77587294		ug/L						
Cl	35	9423377.2		ug/L						
K	39	24577.135	1.75E+08	ug/L	530.552					
Ca	44	49870.112	10509226	ug/L	302.082					
Sc	45	153894.59		ug/L						
Ti	47	10.073127	6552.426	ug/L	0.117					
Ti	48	40.345985	265737.6	ug/L	0.888					
V	51	0.803348	31868.77	ug/L	0.037					
ClO	51	33286.184		ug/L						
Cr	52	0.175146	8081.392	ug/L	0.033					
Cr	53	0.604544	8560.116	ug/L	0.134					
Fe	54	10442.618	5360801	ug/L	294.978					
Mn	55	115.68499	1406179	ug/L	1.169					
Fe	56	10709.304	98371394	ug/L	50.689					
Fe	57	11288.885	2188764	ug/L	1349.491					
Co	59	0.403875	3672.445	ug/L	0.009					
Ni	60	7.047286	13304.53	ug/L	0.289					
Ni	62	6.398852	1873.879	ug/L	0.444					
Cu	63	1.165013	5360.301	ug/L	0.061					
Zn	64	2.920858	7366.965	ug/L	0.095					
Cu	65	0.517056	1173.421	ug/L	0.012					
Zn	66	2.583709	3952.565	ug/L	0.079					
Zn	68	4.720081	4829.331	ug/L	0.228					
Ge	72	116704.34		ug/L						
As	75	51.470789	58523.55	ug/L	0.716					
Se	74	-16.516296	8897.994	mg/L	22.473					
ArCl	77	818.045		ug/L						

Br	79	253736.36	ug/L						
Br	81	289519.02	ug/L						
Y	89	328472.87	ug/L						
Mo	95	2.332389	6862.658	ug/L	0.013				
Rh	103	302770.9	ug/L						
Ag	107	0.186218	2009.242	ug/L	0				
Ag	109	0.191177	1980.569	ug/L	0.004				
Cd	111	0.022936	69.334	ug/L	0.002				
Cd	114	0.021243	167.337	ug/L	0.001				
In	115	414443.2	ug/L						
Sb	121	0.413882	3653.104	ug/L	0.007				
Sb	123	0.428109	2861.801	ug/L	0.007				
Ba	137	108.0037	409966.2	ug/L	2.194				
Ba	138	120.11233	2891347	ug/L	2.557				
Tb	159	512258.86	ug/L						
Ho	165	492961.69	ug/L						
Hg	200	0.023769	56.334	ug/L	0.004				
Hg	202	0.018053	57.667	ug/L	0.001				
Tl	205	0.000602	258.673	ug/L	0				
Pb	208	0.275684	8663.045	ug/L	0.007				
Bi	209	356981.27	ug/L						
Se	77	2.826012	710.694	mg/L	0.321				
Se	78	-4.290863	11154.55	mg/L	0.555				
Se	82	4.708771	638.608	mg/L	0				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	119.658							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	89.17
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.32
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.263
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.11
Sample Date/Time: Wednesday August 31 2011 16:03:03
Autosampl Position: 52
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.11.19050
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7077.428		ug/L						
Be	9	0.02723	11.333	ug/L	0.001					
B	10	55.749814	3221.937	ug/L	3.668					
B	11	56.672115	15482.33	ug/L	2.395					
C	12	744356.95		ug/L						
Na	23	S	S	ug/L	S					
Mg	24	3723.1752	10684360	ug/L	171.722					
Mg	25	3316.2198	1362853	ug/L	53.173					
Al	27	3.467805	19459.42	ug/L	0.077					
Si	28	17331131		ug/L						
P	31	41.493628	17051.02	ug/L	5.315					
S	32	79046860		ug/L						
Cl	35	10491546		ug/L						
K	39	7020.1065	45790119	ug/L	116.184					
Ca	44	5778.2813	1131854	ug/L	188.419					
Sc	45	139095.14		ug/L						
Ti	47	1.331274	930.724	ug/L	0.081					
Ti	48	5.470694	30283.71	ug/L	0.033					
V	51	0.672671	27730.19	ug/L	0					
ClO	51	28802.201		ug/L						
Cr	52	-0.060504	5714.779	ug/L	0.004					
Cr	53	2.309006	9152.035	ug/L	0.227					
Fe	54	228.4689	147713.6	ug/L	10.882					
Mn	55	57.800114	635452.5	ug/L	1.373					
Fe	56	293.71689	4195004	ug/L	15.748					
Fe	57	259.31191	52083.98	ug/L	11.765					
Co	59	0.129111	1146.751	ug/L	0.009					
Ni	60	5.427142	9275.823	ug/L	0.158					
Ni	62	5.63838	1496.472	ug/L	0.371					
Cu	63	1.896876	7777.403	ug/L	0.084					
Zn	64	0.53413	2034.107	ug/L	0.022					
Cu	65	0.143458	335.343	ug/L	0.004					
Zn	66	0.459129	1107.078	ug/L	0.028					
Zn	68	1.241333	1495.138	ug/L	0.113					
Ge	72	118546		ug/L						
As	75	2.16302	2501.397	ug/L	0.07					
Se	74	27.33886	11376.91	mg/L	16.028					
ArCl	77	870.717		ug/L						

Br	79	459199.87	ug/L						
Br	81	511191.69	ug/L						
Y	89	328323.46	ug/L						
Mo	95	0.234295	781.708	ug/L	0.008				
Rh	103	305637.37	ug/L						
Ag	107	0.080747	1142.75	ug/L	0.015				
Ag	109	0.080808	1096.077	ug/L	0.017				
Cd	111	0.004889	29.334	ug/L	0.004				
Cd	114	0.005645	87.001	ug/L	0				
In	115	424714.07	ug/L						
Sb	121	0.226031	2393.672	ug/L	0.01				
Sb	123	0.232235	1854.566	ug/L	0.002				
Ba	137	34.623026	134519.8	ug/L	2.329				
Ba	138	35.0737	864170.9	ug/L	2.255				
Tb	159	512946.59	ug/L						
Ho	165	491436.93	ug/L						
Hg	200	0.025798	59.667	ug/L	0.001				
Hg	202	0.023025	68.668	ug/L	0.002				
Tl	205	0.00112	268.34	ug/L	0.001				
Pb	208	0.03714	1584.069	ug/L	0.003				
Bi	209	344915.87	ug/L						
Se	77	5.047588	906.712	mg/L	1.282				
Se	78	-4.153955	11195.04	mg/L	0.678				
Se	82	7.51931	1001.422	mg/L	0.413				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	108.151							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.577
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.534
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.984
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.13
Sample Date/Time: Wednesday August 31 2011 16:09:29
Autosampl Position: 53
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.13.19051
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7253.56		ug/L						
Be	9	0.029443	12	ug/L	0.005					
B	10	186.96259	10775.16	ug/L	12.229					
B	11	190.85852	52028.31	ug/L	6.884					
C	12	1118648.4		ug/L						
Na	23	19321.078	86904287	ug/L	655.436					
Mg	24	9714.9341	28147006	ug/L	331.446					
Mg	25	9717.2795	4030932	ug/L	210.73					
Al	27	199.56265	916064.7	ug/L	6.1					
Si	28	14434777		ug/L						
P	31	358.66632	87134.26	ug/L	12.538					
S	32	83818020		ug/L						
Cl	35	7006319.4		ug/L						
K	39	4099.0199	27323275	ug/L	5.795					
Ca	44	30305.238	5838453	ug/L	1074.912					
Sc	45	140423.46		ug/L						
Ti	47	4.847158	2966.18	ug/L	0.09					
Ti	48	25.270507	150957.5	ug/L	0.478					
V	51	2.10917	39849.55	ug/L	0.216					
ClO	51	41266.193		ug/L						
Cr	52	0.02695	6361.024	ug/L	0.044					
Cr	53	0.746515	7922.864	ug/L	0.412					
Fe	54	3087.5663	1475219	ug/L	136.944					
Mn	55	2339.19	25903177	ug/L	114.395					
Fe	56	3308.1769	28970586	ug/L	145.691					
Fe	57	3261.8317	580771.3	ug/L	185.817					
Co	59	2.089286	16807.36	ug/L	0.069					
Ni	60	2.668544	4640.564	ug/L	0.004					
Ni	62	2.206493	614.36	ug/L	0.104					
Cu	63	1.46316	6102.444	ug/L	0.026					
Zn	64	24.931869	49762.35	ug/L	0.872					
Cu	65	1.44445	2888.821	ug/L	0.016					
Zn	66	24.223144	28949.64	ug/L	0.682					
Zn	68	24.802143	21124.73	ug/L	0.862					
Ge	72	120562.22		ug/L						
As	75	3.55173	4175.948	ug/L	0.15					
Se	74	8.167154	10543.74	mg/L	0.367					
ArCl	77	544.022		ug/L						

Br	79	66803.703	ug/L						
Br	81	85124.886	ug/L						
Y	89	326575.61	ug/L						
Mo	95	0.726249	2271.64	ug/L	0.02				
Rh	103	312966.85	ug/L						
Ag	107	0.094014	1250.432	ug/L	0.012				
Ag	109	0.069792	998.732	ug/L	0.007				
Cd	111	0.05086	134.336	ug/L	0.001				
Cd	114	0.089477	537.021	ug/L	0				
In	115	421454.21	ug/L						
Sb	121	0.30012	2905.16	ug/L	0.004				
Sb	123	0.299167	2206.103	ug/L	0.003				
Ba	137	42.209716	162990.1	ug/L	0.285				
Ba	138	42.501269	1040661	ug/L	0.551				
Tb	159	506196.53	ug/L						
Ho	165	492036.8	ug/L						
Hg	200	0.023225	55.334	ug/L	0.004				
Hg	202	0.016789	54.667	ug/L	0.002				
Tl	205	0.025855	792.709	ug/L	0.002				
Pb	208	4.653948	138254.2	ug/L	0				
Bi	209	376776.07	ug/L						
Se	77	0.95207	545.35	mg/L	0.235				
Se	78	-4.827179	10995.93	mg/L	0.125				
Se	82	1.313479	200.307	mg/L	0.298				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	109.184							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	92.118
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.831
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.094
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.14
Sample Date/Time: Wednesday August 31 2011 16:15:55
Autosampl Position: 54
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.14.19052
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7088.096		ug/L						
Be	9	0.018351	8.667	ug/L	0.012					
B	10	339.54382	18575.48	ug/L	3.755					
B	11	330.45515	85471.93	ug/L	13.784					
C	12	878203.31		ug/L						
Na	23	24132.169	1.03E+08	ug/L	164.822					
Mg	24	8291.4489	22842808	ug/L	221.098					
Mg	25	8363.6352	3298064	ug/L	323.02					
Al	27	34.259065	152507.2	ug/L	1.057					
Si	28	13748648		ug/L						
P	31	267.10637	63671.89	ug/L	0.178					
S	32	78365729		ug/L						
Cl	35	7121750.6		ug/L						
K	39	16862.396	1.05E+08	ug/L	102.389					
Ca	44	36746.827	6725541	ug/L	118.849					
Sc	45	133474.12		ug/L						
Ti	47	3.497537	2080.259	ug/L	0.124					
Ti	48	24.555606	139274.5	ug/L	0.974					
V	51	0.581827	25891.41	ug/L	0.073					
ClO	51	26924.418		ug/L						
Cr	52	0.125954	6693.597	ug/L	0.027					
Cr	53	0.968848	7712.014	ug/L	0.204					
Fe	54	5416.7531	2430684	ug/L	42.304					
Mn	55	2351.4288	24767868	ug/L	30.508					
Fe	56	5335.8384	43369200	ug/L	243.75					
Fe	57	5169.0132	871660	ug/L	78.344					
Co	59	2.824793	21566.77	ug/L	0.053					
Ni	60	4.662423	7658.301	ug/L	0.068					
Ni	62	4.097598	1054.405	ug/L	0.003					
Cu	63	3.455633	13467.1	ug/L	0.027					
Zn	64	16.364771	31392.26	ug/L	0.111					
Cu	65	3.494597	6567.771	ug/L	0.045					
Zn	66	16.471642	18894.14	ug/L	0.306					
Zn	68	16.657802	13640.03	ug/L	0.408					
Ge	72	118072.62		ug/L						
As	75	7.171948	8254.142	ug/L	0.082					
Se	74	1.04651	9947.918	mg/L	4.985					
ArCl	77	574.024		ug/L						

Br		79	100938.98	ug/L					
Br		81	123732.46	ug/L					
Y		89	315983.41	ug/L					
Mo		95	1.502734	4506.496	ug/L	0.032			
Rh		103	304312.66	ug/L					
Ag		107	0.062444	961.394	ug/L	0.002			
Ag		109	0.058213	885.385	ug/L	0.005			
Cd		111	0.069856	174.337	ug/L	0.003			
Cd		114	0.068305	415.014	ug/L	0.003			
In		115	413407.61	ug/L					
Sb		121	0.346322	3171.252	ug/L	0.024			
Sb		123	0.346408	2416.413	ug/L	0.012			
Ba		137	22.105158	83753.2	ug/L	0.248			
Ba		138	22.834669	548507.5	ug/L	0.599			
Tb		159	489661.01	ug/L					
Ho		165	470521.32	ug/L					
Hg		200	0.011741	34	ug/L	0			
Hg		202	0.010836	39.334	ug/L	0			
Tl		205	0.027773	797.043	ug/L	0.002			
Pb		208	0.593536	17268.21	ug/L	0.001			
Bi		209	363256.77	ug/L					
Se		77	0.664938	520.015	mg/L	0.427			
Se		78	-4.194716	11182.98	mg/L	0.707			
Se		82	1.682993	248.008	mg/L	0.026			
QC	Calculated	Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.781							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.216
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.097
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.154
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.15
Sample Date/Time: Wednesday August 31 2011 16:22:23
Autosampl Position: 55
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.15.19053
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7082.758		ug/L						
Be	9	0.016936	8	ug/L	0.011					
B	10	186.13028	9764.344	ug/L	11.687					
B	11	184.15411	45689.34	ug/L	6.844					
C	12	786984.15		ug/L						
Na	23	27064.206	1.11E+08	ug/L	1327.799					
Mg	24	8234.4246	21707694	ug/L	371.872					
Mg	25	8110.4619	3061213	ug/L	160.039					
Al	27	42.925383	181887.3	ug/L	4.785					
Si	28	11729207		ug/L						
P	31	79.464185	23268.92	ug/L	14.974					
S	32	77451068		ug/L						
Cl	35	6934325.1		ug/L						
K	39	12747.828	75774936	ug/L	577.928					
Ca	44	30473.365	5342135	ug/L	1072.361					
Sc	45	127743.36		ug/L						
Ti	47	2.939039	1698.509	ug/L	0.003					
Ti	48	25.948057	141111.2	ug/L	1.873					
V	51	0.532901	24410.64	ug/L	0.076					
ClO	51	25766.387		ug/L						
Cr	52	0.159368	6611.839	ug/L	0.01					
Cr	53	1.431527	7732.365	ug/L	0.319					
Fe	54	1026.1329	472420	ug/L	33.682					
Mn	55	441.68163	4452819	ug/L	12.289					
Fe	56	1201.4636	10637670	ug/L	40.572					
Fe	57	1163.7171	192703.4	ug/L	22.698					
Co	59	0.563707	4210.017	ug/L	0.012					
Ni	60	3.179085	5017.434	ug/L	0.013					
Ni	62	2.624075	659.031	ug/L	0.215					
Cu	63	2.490264	9331.88	ug/L	0.028					
Zn	64	13.149146	24318.69	ug/L	0.248					
Cu	65	2.47459	4465.474	ug/L	0.029					
Zn	66	12.792374	14161.16	ug/L	0.251					
Zn	68	13.148827	10395.71	ug/L	0.288					
Ge	72	115559.26		ug/L						
As	75	1.594815	1800.668	ug/L	0.026					
Se	74	44.693834	12009.67	mg/L	16.425					
ArCl	77	538.021		ug/L						

Br		79	75747.823	ug/L					
Br		81	93944.568	ug/L					
Y		89	312227.31	ug/L					
Mo		95	0.564204	1710.511	ug/L	0.027			
Rh		103	301892.11	ug/L					
Ag		107	0.050883	854.716	ug/L	0.01			
Ag		109	0.040273	731.037	ug/L	0.007			
Cd		111	0.00946	38.667	ug/L	0.003			
Cd		114	0.008545	99.002	ug/L	0			
In		115	409294.24	ug/L					
Sb		121	0.242582	2422.347	ug/L	0.016			
Sb		123	0.260123	1934.748	ug/L	0.017			
Ba		137	17.506187	65678.72	ug/L	0.265			
Ba		138	17.996809	428075.4	ug/L	0.296			
Tb		159	488188.83	ug/L					
Ho		165	468269.18	ug/L					
Hg		200	0.007384	26.667	ug/L	0.002			
Hg		202	0.003373	23	ug/L	0.001			
Tl		205	0.008226	399.346	ug/L	0.001			
Pb		208	0.495686	14427.01	ug/L	0.01			
Bi		209	365293.06	ug/L					
Se		77	0.559151	510.681	mg/L	0.235			
Se		78	-5.915924	10673.93	mg/L	0.659			
Se		82	1.297421	198.234	mg/L	0.224			

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	99.325							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.295
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.211
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	85.742
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.16
Sample Date/Time: Wednesday August 31 2011 16:28:54
Autosampl Position: 56
Sample Description Aqtot Be Cu Ni Zn Se
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\102479.16.19054
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7330.955		ug/L						
Be	9	0.097795	32.334	ug/L	0.005					
B	10	350.05535	21849.78	ug/L	3.29					
B	11	353.70064	104390.7	ug/L	2.962					
C	12	687613.34		ug/L						
Na	23	77934.145	3.8E+08	ug/L	1202.111					
Mg	24	18904.35	59381729	ug/L	1368.548					
Mg	25	18980.576	8537549	ug/L	880.362					
Al	27	8.988519	48684.87	ug/L	0.234					
Si	28	20169386		ug/L						
P	31	224.0751	62339.22	ug/L	7.566					
S	32	76802372		ug/L						
Cl	35	6812002.6		ug/L						
K	39	28801.7	2.03E+08	ug/L	1094.559					
Ca	44	56720.414	11825098	ug/L	58.822					
Sc	45	152308.4		ug/L						
Ti	47	2.253379	1596.49	ug/L	0.009					
Ti	48	27.838255	180394	ug/L	2.42					
V	51	0.445898	28316.98	ug/L	0.104					
ClO	51	29181.385		ug/L						
Cr	52	0.139458	7732.058	ug/L	0.046					
Cr	53	-0.354051	7596.582	ug/L	0.295					
Fe	54	29625.33	14958930	ug/L	361.025					
Mn	55	2506.5145	30126047	ug/L	20.425					
Fe	56	30266.38	2.72E+08	ug/L	364.944					
Fe	57	35012.152	6692160	ug/L	883.452					
Co	59	0.66665	5908.979	ug/L	0.03					
Ni	60	5.24979	9829.743	ug/L	0.074					
Ni	62	4.381599	1284.104	ug/L	0.098					
Cu	63	1.042071	4767.631	ug/L	0.005					
Zn	64	2.795598	7024.277	ug/L	0.105					
Cu	65	0.59234	1321.776	ug/L	0.003					
Zn	66	2.63904	3982.912	ug/L	0.015					
Zn	68	3.924162	4061.281	ug/L	0.105					
Ge	72	118656.31		ug/L						
As	75	5.669727	6555.863	ug/L	0.211					
Se	74	-40.495391	7767.406	mg/L	5.415					
ArCl	77	606.36		ug/L						

Br	79	334056.01	ug/L						
Br	81	369534.49	ug/L						
Y	89	331150.19	ug/L						
Mo	95	0.244178	811.711	ug/L	0.011				
Rh	103	308734.92	ug/L						
Ag	107	0.029914	696.034	ug/L	0.003				
Ag	109	0.025077	621.694	ug/L	0.003				
Cd	111	0.007626	35.334	ug/L	0.002				
Cd	114	0.047118	307.342	ug/L	0.001				
In	115	418865.6	ug/L						
Sb	121	0.119374	1607.825	ug/L	0.007				
Sb	123	0.12349	1239.328	ug/L	0.001				
Ba	137	69.826258	267902.5	ug/L	1.435				
Ba	138	70.068137	1704864	ug/L	1.209				
Tb	159	516199.74	ug/L						
Ho	165	495851.17	ug/L						
Hg	200	0.003802	22	ug/L	0.002				
Hg	202	0.005288	28.667	ug/L	0.003				
Tl	205	-0.002069	203.004	ug/L	0				
Pb	208	0.046055	1865.426	ug/L	0.001				
Bi	209	356365.2	ug/L						
Se	77	1.586789	601.353	mg/L	0.107				
Se	78	-5.756872	10720.97	mg/L	0.122				
Se	82	5.760321	774.353	mg/L	0				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	118.425							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	90.662
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	90.273
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	90.792
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MS
Sample Date/Time: Wednesday August 31 2011 16:35:25
Autosampl Position: 57
Sample Description Aqtot predigestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MS.19055
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	13042.683		ug/L						
Be	9	887.8066	227590.3	ug/L	1.35					
B	10	268.41844	15245.59	ug/L	0.063					
B	11	269.81112	72451.12	ug/L	11.122					
C	12	1126551		ug/L						
Na	23	103550.42	4.59E+08	ug/L	611.666					
Mg	24	33701.799	96326234	ug/L	520.734					
Mg	25	33687.744	13782850	ug/L	672.897					
Al	27	11655.206	52565526	ug/L	14.086					
Si	28	19197551		ug/L						
P	31	12650.09	2758655	ug/L	200.67					
S	32	79507434		ug/L						
Cl	35	10721729		ug/L						
K	39	35166.307	2.25E+08	ug/L	717.721					
Ca	44	52936.216	10034933	ug/L	32.549					
Sc	45	138459.79		ug/L						
Ti	47	27.625583	15872.67	ug/L	0.051					
Ti	48	24.819415	146101.5	ug/L	0.303					
V	51	950.36317	7773972	ug/L	15.224					
ClO	51	7970154.4		ug/L						
Cr	52	937.08744	6304999	ug/L	14.11					
Cr	53	769.16413	642171.5	ug/L	10.083					
Fe	54	27975.99	12846690	ug/L	392.012					
Mn	55	4331.7591	47336851	ug/L	81.366					
Fe	56	27424.759	2.24E+08	ug/L	669.031					
Fe	57	32035.013	5568722	ug/L	237.235					
Co	59	935.60299	7369965	ug/L	6.826					
Ni	60	780.57582	1319153	ug/L	8.54					
Ni	62	781.55823	201554.2	ug/L	15.376					
Cu	63	819.1975	3270457	ug/L	1.424					
Zn	64	753.79949	1455303	ug/L	10.858					
Cu	65	733.27154	1417748	ug/L	7.175					
Zn	66	758.04765	876420	ug/L	15.686					
Zn	68	775.2082	637200.2	ug/L	10.638					
Ge	72	114862.42		ug/L						
As	75	1006.3118	1126091	ug/L	12.981					
Se	74	90.403165	14317.89	mg/L	45.439					
ArCl	77	84768.336		ug/L						

Br	79	300019.16	ug/L			
Br	81	337800.59	ug/L			
Y	89	308573.96	ug/L			
Mo	95	1232.6664	3523078	ug/L	23.918	
Rh	103	286567.95	ug/L			
Ag	107	76.611964	614976.7	ug/L	0.756	
Ag	109	81.080255	633453.2	ug/L	1.708	
Cd	111	1152.7289	2458325	ug/L	5.59	
Cd	114	1142.1293	5733811	ug/L	4.309	
In	115	393597.13	ug/L			
Sb	121	1399.1699	9308280	ug/L	17.825	
Sb	123	1382.1243	7045694	ug/L	26.8	
Ba	137	1296.6415	4674304	ug/L	7.951	
Ba	138	1311.7369	29984556	ug/L	35.369	
Tb	159	474089.01	ug/L			
Ho	165	455406.93	ug/L			
Hg	200	1.144088	1839.205	ug/L	0.049	
Hg	202	1.111926	2353.328	ug/L	0.007	
Tl	205	1163.1391	22797396	ug/L	22.713	
Pb	208	1145.107	31374444	ug/L	0.449	
Bi	209	331901.76	ug/L			
Se	77	934.55394	82920.46	mg/L	7.074	
Se	78	914.70692	282951	mg/L	6.961	
Se	82	932.9072	120460.3	mg/L	4.027	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	107.657							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.763
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.828
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	83.387
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MSD
Sample Date/Time: Wednesday August 31 2011 16:41:56
Autosampl Position: 58
Sample Description Aqtot predigestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MSD.19056
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12965.239		ug/L						
Be	9	914.13194	227948.8	ug/L	2.733					
B	10	274.03032	15139.42	ug/L	4.047					
B	11	276.1424	72131.42	ug/L	0.433					
C	12	1118691.3		ug/L						
Na	23	105588.75	4.56E+08	ug/L	544.08					
Mg	24	34775.992	96678245	ug/L	1415.338					
Mg	25	34747.768	13829328	ug/L	250.958					
Al	27	11945.837	52405294	ug/L	106.07					
Si	28	19389124		ug/L						
P	31	12921.847	2740985	ug/L	65.952					
S	32	75281179		ug/L						
Cl	35	10843791		ug/L						
K	39	36486.042	2.27E+08	ug/L	891.147					
Ca	44	53575.485	9879400	ug/L	1205.654					
Sc	45	134683.7		ug/L						
Ti	47	27.981871	15637.26	ug/L	0.342					
Ti	48	29.84895	171392.7	ug/L	2.108					
V	51	988.37544	7863605	ug/L	13.412					
ClO	51	8205483.6		ug/L						
Cr	52	985.37212	6448631	ug/L	20.747					
Cr	53	813.48557	660228.6	ug/L	1.841					
Fe	54	28547.003	12749182	ug/L	636.956					
Mn	55	4493.8699	47767464	ug/L	32.278					
Fe	56	29058.794	2.31E+08	ug/L	77.556					
Fe	57	33320.647	5634305	ug/L	415.93					
Co	59	956.48195	7329172	ug/L	2.857					
Ni	60	798.65521	1312899	ug/L	9.22					
Ni	62	801.72598	201107.9	ug/L	5.059					
Cu	63	845.32687	3282797	ug/L	7.197					
Zn	64	782.19943	1468809	ug/L	7.279					
Cu	65	754.85619	1419648	ug/L	2.201					
Zn	66	786.33591	884243.1	ug/L	4.4					
Zn	68	787.64915	629717.8	ug/L	8.107					
Ge	72	115096.05		ug/L						
As	75	998.28412	1119331	ug/L	10.741					
Se	74	87.233009	14183.87	mg/L	2.97					
ArCl	77	83575.912		ug/L						

Br	79	292717.69	ug/L						
Br	81	328406.39	ug/L						
Y	89	301758.17	ug/L						
Mo	95	1244.5216	3563884	ug/L	14.348				
Rh	103	288379.05	ug/L						
Ag	107	55.345512	444791.4	ug/L	0.563				
Ag	109	54.661407	427490.7	ug/L	0.647				
Cd	111	1149.4488	2453639	ug/L	10.374				
Cd	114	1126.1544	5659125	ug/L	24.424				
In	115	393939.87	ug/L						
Sb	121	1402.113	9337028	ug/L	1.841				
Sb	123	1383.8347	7061685	ug/L	1.641				
Ba	137	1301.9672	4697725	ug/L	9.003				
Ba	138	1320.9663	30229069	ug/L	4.695				
Tb	159	469950.27	ug/L						
Ho	165	460307.8	ug/L						
Hg	200	1.097182	1783.86	ug/L	0.027				
Hg	202	1.080811	2312.317	ug/L	0.014				
Tl	205	1154.1292	22862130	ug/L	5.658				
Pb	208	1129.142	31266704	ug/L	21.435				
Bi	209	329718.44	ug/L						
Se	77	925.1913	82094.36	mg/L	10.653				
Se	78	877.4998	271946.8	mg/L	6.71				
Se	82	920.67972	118881.8	mg/L	21.813				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	104.721							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.941
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.901
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	84.284
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MS
Sample Date/Time: Wednesday August 31 2011 16:48:28
Autosampl Position: 59
Sample Description Aqtot postdigestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MS.19057
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12782.329		ug/L						
Be	9	893.12479	232289.5	ug/L	14.239					
B	10	249.82976	14400.54	ug/L	3.202					
B	11	248.65491	67773.4	ug/L	3.46					
C	12	12788184		ug/L						
Na	23	96496.398	4.34E+08	ug/L	655.245					
Mg	24	32812.865	95159332	ug/L	538.377					
Mg	25	32477.381	13482571	ug/L	808.234					
Al	27	11521.314	52719475	ug/L	27.558					
Si	28	19376685		ug/L						
P	31	12862.273	2845850	ug/L	40.27					
S	32	76137458		ug/L						
Cl	35	10479851		ug/L						
K	39	33464.432	2.18E+08	ug/L	1102.14					
Ca	44	49468.795	9516791	ug/L	212.564					
Sc	45	140479.75		ug/L						
Ti	47	26.131472	15242.93	ug/L	0.824					
Ti	48	23.741415	141694.6	ug/L	4.072					
V	51	938.00982	7785543	ug/L	4.251					
ClO	51	7981625.6		ug/L						
Cr	52	940.68023	6421853	ug/L	15.306					
Cr	53	770.32	652480.5	ug/L	4.303					
Fe	54	26246.99	12230846	ug/L	283.679					
Mn	55	4086.0397	45300221	ug/L	47.485					
Fe	56	26007.044	2.15E+08	ug/L	429.461					
Fe	57	30192.056	5325409	ug/L	191.801					
Co	59	931.42757	7444343	ug/L	10.427					
Ni	60	773.70988	1326589	ug/L	4.012					
Ni	62	768.7354	201130	ug/L	6.037					
Cu	63	822.42363	3331213	ug/L	1.779					
Zn	64	764.9672	1498321	ug/L	6.153					
Cu	65	720.65818	1413654	ug/L	3.093					
Zn	66	756.29753	887094.4	ug/L	6.548					
Zn	68	762.66424	636012	ug/L	7.485					
Ge	72	113292.32		ug/L						
As	75	1088.6818	1201388	ug/L	27.601					
Se	74	146.177	16987.91	mg/L	6.759					
ArCl	77	93740.451		ug/L						

Br	79	269052.71	ug/L						
Br	81	303974.58	ug/L						
Y	89	309776.96	ug/L						
Mo	95	1250.7419	3525092	ug/L	31.048				
Rh	103	290093.39	ug/L						
Ag	107	1094.5978	8984806	ug/L	34.829				
Ag	109	1089.6522	8704413	ug/L	1.866				
Cd	111	1149.7818	2509003	ug/L	16.503				
Cd	114	1140.266	5857685	ug/L	0.59				
In	115	402745.44	ug/L						
Sb	121	1347.7778	9174120	ug/L	67.333				
Sb	123	1325.4881	6914359	ug/L	43.189				
Ba	137	1265.7696	4669100	ug/L	15.707				
Ba	138	1287.873	30127395	ug/L	32.428				
Tb	159	473457.75	ug/L						
Ho	165	462226.01	ug/L						
Hg	200	1.14144	1863.21	ug/L	0.042				
Hg	202	1.088909	2339.324	ug/L	0.005				
Tl	205	1162.9459	23132017	ug/L	9.742				
Pb	208	1142.3625	31763552	ug/L	21.868				
Bi	209	343972.13	ug/L						
Se	77	1041.4627	92353.42	mg/L	9.218				
Se	78	1003.9337	309340.1	mg/L	15.387				
Se	82	1024.4184	132273.5	mg/L	15.767				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	109.228							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	86.563
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.799
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	84.635
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MSD
Sample Date/Time: Wednesday August 31 2011 16:54:59
Autosampl Position: 60
Sample Description Aqtot postdigestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MSD.19058
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12333.694		ug/L						
Be	9	900.53541	222533.6	ug/L	15.29					
B	10	258.94116	14180.53	ug/L	1.267					
B	11	267.1588	69171.87	ug/L	0.787					
C	12	13154299		ug/L						
Na	23	102574.93	4.39E+08	ug/L	6148.636					
Mg	24	34612.107	95369984	ug/L	469.002					
Mg	25	34344.401	13544737	ug/L	990.044					
Al	27	11943.66	51924598	ug/L	219.297					
Si	28	19350868		ug/L						
P	31	13791.765	2899060	ug/L	0.161					
S	32	74642214		ug/L						
Cl	35	10083334		ug/L						
K	39	35210.118	2.17E+08	ug/L	1292.678					
Ca	44	52368.734	9568836	ug/L	1745.151					
Sc	45	133487.68		ug/L						
Ti	47	27.197676	15067.63	ug/L	0.117					
Ti	48	25.551073	145198.5	ug/L	2.77					
V	51	1006.0639	7932202	ug/L	16.631					
ClO	51	8160342.4		ug/L						
Cr	52	992.77734	6438621	ug/L	23.131					
Cr	53	815.30555	655810.8	ug/L	0.187					
Fe	54	28903.766	12792536	ug/L	503.359					
Mn	55	4434.5406	46709256	ug/L	99.871					
Fe	56	29074.581	2.29E+08	ug/L	737.601					
Fe	57	32803.21	5495900	ug/L	1218.971					
Co	59	982.81226	7462799	ug/L	20.551					
Ni	60	805.95701	1313014	ug/L	6.182					
Ni	62	808.41611	200963	ug/L	9.672					
Cu	63	858.94169	3305445	ug/L	17.675					
Zn	64	794.04425	1477925	ug/L	6.226					
Cu	65	769.77381	1434747	ug/L	6.172					
Zn	66	791.8443	882468.4	ug/L	8.573					
Zn	68	808.71842	640749.3	ug/L	13.163					
Ge	72	114677.44		ug/L						
As	75	1094.2741	1222601	ug/L	15.117					
Se	74	150.16512	17410.18	mg/L	110.455					
ArCl	77	96207.042		ug/L						

Br	79	276174.63	ug/L						
Br	81	309769.68	ug/L						
Y	89	308103.86	ug/L						
Mo	95	1255.3908	3582130	ug/L	6.319				
Rh	103	278001.31	ug/L						
Ag	107	1133.8107	9099228	ug/L	10.626				
Ag	109	1136.7093	8877242	ug/L	1.103				
Cd	111	1161.6329	2478172	ug/L	15.684				
Cd	114	1151.8781	5784480	ug/L	28.425				
In	115	393735.3	ug/L						
Sb	121	1368.3711	9106124	ug/L	64.138				
Sb	123	1350.4387	6886960	ug/L	44.248				
Ba	137	1291.9828	4659288	ug/L	7.996				
Ba	138	1300.8324	29751315	ug/L	15.422				
Tb	159	474378.31	ug/L						
Ho	165	453108.11	ug/L						
Hg	200	1.150768	1840.871	ug/L	0.022				
Hg	202	1.080956	2276.641	ug/L	0.006				
Tl	205	1174.6697	22904633	ug/L	21.731				
Pb	208	1160.1355	31625667	ug/L	0.59				
Bi	209	335469.2	ug/L						
Se	77	1059.9057	93980.71	mg/L	20.88				
Se	78	1033.4841	318079.7	mg/L	35.935				
Se	82	1048.8115	135422.4	mg/L	23.569				

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	103.791							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

| Cr
| Fe
| Mn
| Fe
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
|- Zn
|> Ge 87.622
| As
| Se
| ArCl
| Br
| Br
| Y
|- Mo
|- Rh
| Ag
| Ag
| Cd
| Cd
|> In 84.857
| Sb
| Sb
| Ba
|- Ba
|- Tb
|> Ho 82.966
| Hg
| Hg
| Tl
| Pb
|- Bi
Se
Se
Se

Sample ID: QC Std 1
Sample Date/Time: Wednesday August 31 2011 17:01:26
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.19059
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6681.123		ug/L						
Be	9	0.049606	14.667	ug/L	0.003					
B	10	2.481427	169.003	ug/L	0.282					
B	11	2.811006	869.384	ug/L	0.235					
C	12	516787.82		ug/L						
Na	23	19.954427	97176.33	ug/L	0.648					
Mg	24	1.012387	3184.209	ug/L	0.021					
Mg	25	1.153117	486.728	ug/L	0.08					
Al	27	0.261411	4241.416	ug/L	0.038					
Si	28	66207.193		ug/L						
P	31	-2.759484	6369.57	ug/L	4.779					
S	32	72433404		ug/L						
Cl	35	6821817.6		ug/L						
K	39	10.685828	723289.2	ug/L	4.122					
Ca	44	-60.081583	21013.02	ug/L	4.585					
Sc	45	119387.4		ug/L						
Ti	47	-0.024289	135.002	ug/L	0.008					
Ti	48	0.189547	-1291.69	ug/L	0.01					
V	51	0.746076	24285.32	ug/L	0.237					
ClO	51	25082.141		ug/L						
Cr	52	-0.091493	4724.085	ug/L	0.015					
Cr	53	2.279686	7824.444	ug/L	0.556					
Fe	54	12.984307	41883.42	ug/L	9.299					
Mn	55	0.218678	3087.891	ug/L	0.016					
Fe	56	-7.184541	1499478	ug/L	15.215					
Fe	57	17.184358	8484.812	ug/L	0.899					
Co	59	0.051139	454.016	ug/L	0.002					
Ni	60	0.039084	114.335	ug/L	0.005					
Ni	62	0.058498	45.334	ug/L	0.035					
Cu	63	0.145577	653.364	ug/L	0.028					
Zn	64	0.070685	975.692	ug/L	0.006					
Cu	65	0.132227	270.007	ug/L	0.031					
Zn	66	0.070653	563.69	ug/L	0.003					
Zn	68	0.064753	450.682	ug/L	0.039					
Ge	72	112874.16		ug/L						
As	75	0.439099	483.462	ug/L	0.22					
Se	74	95.630946	14283.2	mg/L	63.746					
ArCl	77	444.349		ug/L						

Br	79	5215.215	ug/L						
Br	81	17834.667	ug/L						
Y	89	312137.56	ug/L						
Mo	95	2.329068	6597.19	ug/L	0.629				
Rh	103	307050.51	ug/L						
Ag	107	0.830847	7336.539	ug/L	0.302				
Ag	109	0.857371	7338.216	ug/L	0.319				
Cd	111	0.025679	74.334	ug/L	0.01				
Cd	114	0.019629	156.336	ug/L	0.003				
In	115	407910.7	ug/L						
Sb	121	8.600026	60035.96	ug/L	1.468				
Sb	123	8.496089	45442.24	ug/L	1.561				
Ba	137	0.055179	263.006	ug/L	0.003				
Ba	138	0.043455	1265.933	ug/L	0.003				
Tb	159	481232.76	ug/L						
Ho	165	460792.18	ug/L						
Hg	200	0.006183	24.334	ug/L	0.001				
Hg	202	0.010147	37	ug/L	0.002				
Tl	205	0.072371	1661.837	ug/L	0.014				
Pb	208	0.032395	1353.054	ug/L	0.007				
Bi	209	362619.44	ug/L						
Se	77	-0.136009	449.344	mg/L	0.107				
Se	78	-5.536392	10786.18	mg/L	0.201				
Se	82	0.46093	90.251	mg/L	0.093				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.828							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	86.244
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.912
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	84.373
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time: Wednesday August 31 2011 17:08:22
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.1906
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6533.015		ug/L						
Be	9	97.977709	21696.41	ug/L	7.856					
B	10	103.57965	5101.15	ug/L	13.343					
B	11	100.75304	23496.23	ug/L	9.442					
C	12	417339.2		ug/L						
Na	23	117.98838	473002.7	ug/L	9.936					
Mg	24	114.79816	284202.1	ug/L	8.087					
Mg	25	110.42506	39064.35	ug/L	11.724					
Al	27	107.70737	422222.8	ug/L	12.199					
Si	28	162878.98		ug/L						
P	31	-6.487246	5662.329	ug/L	2.475					
S	32	71298185		ug/L						
Cl	35	6251240.1		ug/L						
K	39	1266.3822	7649764	ug/L	109.082					
Ca	44	65.302649	41542.19	ug/L	16.641					
Sc	45	119957.9		ug/L						
Ti	47	100.18419	49278.42	ug/L	10.737					
Ti	48	102.02032	525582.5	ug/L	8.999					
V	51	95.46991	691894.1	ug/L	7.204					
ClO	51	703408.71		ug/L						
Cr	52	97.110385	568918.2	ug/L	8.541					
Cr	53	96.439576	75007.25	ug/L	7.425					
Fe	54	120.42015	84488.13	ug/L	8.071					
Mn	55	94.872422	895960.7	ug/L	8.801					
Fe	56	182.53055	2830764	ug/L	32.345					
Fe	57	124.55361	24605.71	ug/L	11.673					
Co	59	97.198091	660985.1	ug/L	9.372					
Ni	60	96.399355	140614.3	ug/L	10.181					
Ni	62	95.183818	21216.28	ug/L	9.004					
Cu	63	95.224349	328303.9	ug/L	8.922					
Zn	64	94.263922	158056.7	ug/L	5.597					
Cu	65	97.400286	162754.6	ug/L	6.78					
Zn	66	92.36427	92720.74	ug/L	5.873					
Zn	68	92.701787	66183.03	ug/L	6.896					
Ge	72	115306.65		ug/L						
As	75	104.46875	117361.8	ug/L	0.055					
Se	74	41.632412	11830.61	mg/L	21.887					
ArCl	77	8651.205		ug/L						

Br	79	3470.697	ug/L			
Br	81	14996.175	ug/L			
Y	89	307293.43	ug/L			
Mo	95	98.028158	281332.9	ug/L	4.297	
Rh	103	305339.1	ug/L			
Ag	107	80.031292	658065.4	ug/L	10.86	
Ag	109	79.354984	634851.8	ug/L	8.94	
Cd	111	102.62172	224013	ug/L	1.614	
Cd	114	100.86058	518269.9	ug/L	2.525	
In	115	402866.9	ug/L			
Sb	121	105.58999	719515.8	ug/L	6.713	
Sb	123	105.5113	550882.1	ug/L	8.968	
Ba	137	102.50703	378286.2	ug/L	0.964	
Ba	138	114.36866	2676282	ug/L	3.426	
Tb	159	489104.42	ug/L			
Ho	165	472441.49	ug/L			
Hg	200	1.090262	1819.2	ug/L	0.001	
Hg	202	1.09502	2403.675	ug/L	0.03	
Tl	205	119.10877	2421542	ug/L	1.506	
Pb	208	98.352374	2794933	ug/L	3.107	
Bi	209	368543.48	ug/L			
Se	77	89.033948	8317.136	mg/L	0.877	
Se	78	85.038761	37574.06	mg/L	1.599	
Se	82	91.91833	11896.54	mg/L	1.175	

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	97.008							
|	B	103.27							
|	B	100.452							
|	C								
|	Na	116.474							
|	Mg	113.662							
|	Mg	109.332							
|	Al	107.278							
|	Si								
|	P								
|	S								
|	Cl								
|	K	126.259							
|	Ca	64.72							
|>	Sc	93.271							
|	Ti	100.184							
|	Ti	102.02							
|	V	95.09							
|	ClO								
|	Cr	96.149							

	Cr	95.485
	Fe	119.702
	Mn	94.494
	Fe	181.442
	Fe	123.811
	Co	96.618
	Ni	95.634
	Ni	94.428
	Cu	95.32
	Zn	93.609
	Cu	97.498
	Zn	91.722
-	Zn	92.057
>	Ge	88.102
	As	105.099
	Se	41.549
	ArCl	
	Br	
	Br	
	Y	
-	Mo	97.735
-	Rh	
	Ag	79.396
	Ag	78.725
	Cd	102.111
	Cd	100.359
>	In	86.825
	Sb	105.274
	Sb	105.196
	Ba	101.794
-	Ba	113.574
-	Tb	
>	Ho	86.506
	Hg	109.026
	Hg	109.502
	Tl	119.109
	Pb	98.352
-	Bi	
	Se	88.856
	Se	84.869
	Se	91.735

Sample ID: QC Std 5
Sample Date/Time: Wednesday August 31 2011 17:15:16
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.19061
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6702.471		ug/L						
Be	9	43.624163	9352.903	ug/L	2.235					
B	10	170.43937	8110.698	ug/L	8.222					
B	11	170.73491	38387.37	ug/L	15.077					
C	12	391681.8		ug/L						
Na	23	14.00385	72199.46	ug/L	0.985					
Mg	24	0.503249	1867.047	ug/L	0.15					
Mg	25	0.631773	293.367	ug/L	0.168					
Al	27	197.15383	746607.6	ug/L	7.831					
Si	28	87854.573		ug/L						
P	31	0.562014	6753.194	ug/L	4.928					
S	32	70490559		ug/L						
Cl	35	6635801.7		ug/L						
K	39	11.77467	707724	ug/L	4.827					
Ca	44	-43.214873	23051.5	ug/L	7.587					
Sc	45	115863.46		ug/L						
Ti	47	0.149146	213.671	ug/L	0.011					
Ti	48	0.370239	-343.603	ug/L	0.054					
V	51	25.662293	193494	ug/L	1.49					
ClO	51	195214.48		ug/L						
Cr	52	50.429843	288504.4	ug/L	2.668					
Cr	53	50.691334	41011.38	ug/L	2.554					
Fe	54	219.33935	119575.7	ug/L	4.597					
Mn	55	105.8692	968475.9	ug/L	3.427					
Fe	56	301.66166	3548209	ug/L	12.735					
Fe	57	226.27404	38598.97	ug/L	4.243					
Co	59	24.031333	158420.3	ug/L	0.774					
Ni	60	202.57552	286266.4	ug/L	9.641					
Ni	62	200.32917	43224.61	ug/L	7.127					
Cu	63	76.792601	256560.3	ug/L	1.931					
Zn	64	99.908477	161997	ug/L	4.372					
Cu	65	77.422534	125226.5	ug/L	2.625					
Zn	66	99.2386	96354.9	ug/L	3.834					
Zn	68	102.92446	71067.11	ug/L	5.368					
Ge	72	115715.95		ug/L						
As	75	44.786742	50470.33	ug/L	2.193					
Se	74	-15.822408	8836.081	mg/L	50.909					
ArCl	77	13929.136		ug/L						

Br	79	3094.558		ug/L			
Br	81	14990.165		ug/L			
Y	89	315362		ug/L			
Mo	95	42.728897	123050.8	ug/L	2.146		
Rh	103	307429.11		ug/L			
Ag	107	49.754881	403090.2	ug/L	3.76		
Ag	109	49.487859	390142.5	ug/L	3.637		
Cd	111	24.154557	52003.18	ug/L	1.484		
Cd	114	23.579803	119601.2	ug/L	0.777		
In	115	397804.52		ug/L			
Sb	121	57.426581	386392.4	ug/L	2.841		
Sb	123	57.257353	295195.7	ug/L	2.946		
Ba	137	146.77367	534296	ug/L	6.088		
Ba	138	160.53804	3705877	ug/L	7.183		
Tb	159	484690.37		ug/L			
Ho	165	467852.95		ug/L			
Hg	200	1.097715	1812.532	ug/L	0.065		
Hg	202	1.080049	2347.66	ug/L	0.044		
Tl	205	14.74589	297103.3	ug/L	0.105		
Pb	208	104.73911	2947630	ug/L	2.911		
Bi	209	372835.93		ug/L			
Se	77	148.46319	13560.8	mg/L	10.337		
Se	78	141.29082	54210.78	mg/L	0.519		
Se	82	151.63996	19606.04	mg/L	2.558		

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	102.404							
|	B	106.525							
|	B	106.709							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	112.019							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.088							
|	Ti								
|	Ti								
|	V	103.061							
|	ClO								
|	Cr	102.5							

|	Cr	103.031
|	Fe	122.536
|	Mn	99.877
|	Fe	168.526
|	Fe	126.41
|	Co	103.139
|	Ni	99.302
|	Ni	98.201
|	Cu	98.2
|	Zn	95.151
|	Cu	99.006
|	Zn	94.513
|-	Zn	98.023
|>	Ge	88.415
|	As	113.672
|	Se	-9.889
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	101.978
|-	Rh	
|	Ag	98.916
|	Ag	98.385
|	Cd	104.114
|	Cd	101.637
|>	In	85.734
|	Sb	123.498
|	Sb	123.134
|	Ba	104.095
|-	Ba	113.857
|-	Tb	
|>	Ho	85.666
|	Hg	109.771
|	Hg	108.005
|	Tl	103.844
|	Pb	100.711
|-	Bi	
	Se	92.789
	Se	88.307
	Se	94.775

Sample ID: QC Std 6
Sample Date/Time: Wednesday August 31 2011 17:22:11
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.19062
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6702.47		ug/L						
Be	9	0.051174	16.667	ug/L	0.017					
B	10	1.455758	132.002	ug/L	0.153					
B	11	1.573783	648.696	ug/L	0.024					
C	12	383006.42		ug/L						
Na	23	11381.984	48467612	ug/L	319.839					
Mg	24	11238.851	30816191	ug/L	455.664					
Mg	25	11099.083	4357177	ug/L	297.175					
Al	27	11383.107	49257206	ug/L	287.596					
Si	28	52855.207		ug/L						
P	31	12511.387	2617397	ug/L	535.216					
S	32	66225382		ug/L						
Cl	35	5854775.2		ug/L						
K	39	11172.743	69184752	ug/L	251.849					
Ca	44	10387.763	1917254	ug/L	127.617					
Sc	45	132892.63		ug/L						
Ti	47	22.227728	12288.42	ug/L	0.167					
Ti	48	10.063294	55351.41	ug/L	0.007					
V	51	0.011396	21304.15	ug/L	0.116					
ClO	51	21971.073		ug/L						
Cr	52	-0.095441	5233.126	ug/L	0.02					
Cr	53	-0.032355	6881.006	ug/L	0.486					
Fe	54	10870.286	4814729	ug/L	171.994					
Mn	55	0.183385	3068.888	ug/L	0.036					
Fe	56	11128.67	88166877	ug/L	406.567					
Fe	57	10646.476	1779940	ug/L	345.604					
Co	59	0.043299	446.015	ug/L	0.002					
Ni	60	0.239622	452.016	ug/L	0.016					
Ni	62	0.08098	55.667	ug/L	0.058					
Cu	63	0.208183	964.727	ug/L	0.006					
Zn	64	0.674303	2204.332	ug/L	0.031					
Cu	65	0.153828	339.343	ug/L	0.007					
Zn	66	0.651893	1270.768	ug/L	0.076					
Zn	68	0.624948	943.058	ug/L	0.076					
Ge	72	114242.68		ug/L						
As	75	0.146405	168.075	ug/L	0.151					
Se	74	52.660555	12288.88	mg/L	38.199					
ArCl	77	431.681		ug/L						

Br	79	2900.159	ug/L						
Br	81	14761.79	ug/L						
Y	89	320903.57	ug/L						
Mo	95	0.537098	1614.827	ug/L	0.056				
Rh	103	298965.92	ug/L						
Ag	107	0.39036	3660.453	ug/L	0.081				
Ag	109	0.39262	3564.743	ug/L	0.068				
Cd	111	0.023237	68.668	ug/L	0.001				
Cd	114	0.020005	157.67	ug/L	0.003				
In	115	406275.89	ug/L						
Sb	121	1.493286	10994.44	ug/L	0.104				
Sb	123	1.518027	8540.951	ug/L	0.11				
Ba	137	0.074982	335.676	ug/L	0.016				
Ba	138	0.075329	2013.15	ug/L	0.003				
Tb	159	498884.59	ug/L						
Ho	165	474424.65	ug/L						
Hg	200	0.020747	49.334	ug/L	0.004				
Hg	202	0.016856	53.001	ug/L	0.005				
Tl	205	0.03338	919.389	ug/L	0.005				
Pb	208	0.05431	2022.108	ug/L	0.004				
Bi	209	381279.89	ug/L						
Se	77	-0.528924	414.676	mg/L	0.064				
Se	78	-5.461428	10808.35	mg/L	0.166				
Se	82	0.222395	59.459	mg/L	0.062				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	113.82							
|	Mg	112.389							
|	Mg	110.991							
|	Al	113.831							
|	Si								
|	P	125.114							
|	S								
|	Cl								
|	K	111.727							
|	Ca	103.878							
|>	Sc	103.329							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	108.703
	Mn	
	Fe	111.287
	Fe	106.465
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.289
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.56
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.869
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 17:29:12
Autosampl Position: 61
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19063
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6455.625		ug/L						
Be	9	0.089568	21	ug/L	0.019					
B	10	1.689476	116.002	ug/L	0.089					
B	11	1.809475	567.69	ug/L	0.123					
C	12	384376.1		ug/L						
Na	23	27.275506	111578.3	ug/L	1.041					
Mg	24	1.913012	4815.09	ug/L	0.095					
Mg	25	1.81845	643.42	ug/L	0.033					
Al	27	4.655976	18985.1	ug/L	0.592					
Si	28	54119.35		ug/L						
P	31	-1.730077	5839.134	ug/L	2.589					
S	32	69948898		ug/L						
Cl	35	7404402.8		ug/L						
K	39	24.555639	713038.3	ug/L	1.775					
Ca	44	-33.006812	22660.48	ug/L	7.31					
Sc	45	106414.03		ug/L						
Ti	47	0.061044	157.67	ug/L	0.001					
Ti	48	0.219447	-1014.33	ug/L	0.003					
V	51	0.967995	23055.1	ug/L	0.151					
ClO	51	24039.984		ug/L						
Cr	52	0.050142	4940.323	ug/L	0.06					
Cr	53	3.180534	7548.876	ug/L	0.489					
Fe	54	22.536737	40621.42	ug/L	1.788					
Mn	55	0.180356	2425.348	ug/L	0.025					
Fe	56	21.65479	1516944	ug/L	11.968					
Fe	57	21.881618	8177.837	ug/L	5.978					
Co	59	0.040976	342.677	ug/L	0.004					
Ni	60	0.174682	276.674	ug/L	0.079					
Ni	62	0.204548	69.001	ug/L	0.092					
Cu	63	0.178094	679.699	ug/L	0.021					
Zn	64	1.89715	3574.973	ug/L	0.152					
Cu	65	0.178975	309.008	ug/L	0.013					
Zn	66	2.020441	2232.963	ug/L	0.067					
Zn	68	1.892454	1555.482	ug/L	0.057					
Ge	72	107551.12		ug/L						
As	75	0.084034	92.634	ug/L	0.056					
Se	74	-9.515979	8545.34	mg/L	44.102					
ArCl	77	419.681		ug/L						

Br	79	2347.66	ug/L						
Br	81	13761.213	ug/L						
Y	89	285450.95	ug/L						
Mo	95	0.593586	1671.17	ug/L	0.03				
Rh	103	282017.32	ug/L						
Ag	107	0.334438	2978.184	ug/L	0				
Ag	109	0.372127	3167.252	ug/L	0.037				
Cd	111	0.035911	90.001	ug/L	0.01				
Cd	114	0.026463	178.004	ug/L	0.004				
In	115	378464.03	ug/L						
Sb	121	1.25619	8724.272	ug/L	0.032				
Sb	123	1.258208	6681.966	ug/L	0.032				
Ba	137	0.057956	253.673	ug/L	0.003				
Ba	138	0.054857	1425.24	ug/L	0				
Tb	159	461437.25	ug/L						
Ho	165	442677.98	ug/L						
Hg	200	0.009409	28.334	ug/L	0.009				
Hg	202	0.008721	32.667	ug/L	0.003				
Tl	205	0.050525	1183.422	ug/L	0.003				
Pb	208	0.063038	2118.118	ug/L	0.003				
Bi	209	328180.61	ug/L						
Se	77	-0.634709	405.342	mg/L	0.085				
Se	78	-6.715523	10437.45	mg/L	0.06				
Se	82	-0.275656	-4.835	mg/L	0.224				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	82.741							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	82.177
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	81.566
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	81.056
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.16 MS
Sample Date/Time: Wednesday August 31 2011 17:36:22
Autosampl Position: 62
Sample Description Aqtot postdigestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MS.19064
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7174.83		ug/L						
Be	9	805.90644	237742.5	ug/L	8.282					
B	10	410.85201	26815.09	ug/L	10.757					
B	11	410.79881	126772.8	ug/L	12.677					
C	12	61562154		ug/L						
Na	23	98564.01	5.03E+08	ug/L	2806.422					
Mg	24	32130.398	1.06E+08	ug/L	305.371					
Mg	25	31878.519	15007452	ug/L	778.237					
Al	27	10592.636	54953297	ug/L	487.378					
Si	28	25525735		ug/L						
P	31	13103.683	3288600	ug/L	6.621					
S	32	74600048		ug/L						
Cl	35	9753173		ug/L						
K	39	43601.057	3.21E+08	ug/L	1300.114					
Ca	44	77530.246	16892373	ug/L	1411.429					
Sc	45	159354.23		ug/L						
Ti	47	27.535944	18208.07	ug/L	0.151					
Ti	48	35.040333	238682.7	ug/L	0.592					
V	51	879.52799	8281899	ug/L	5.695					
ClO	51	8532036.2		ug/L						
Cr	52	855.0114	6619678	ug/L	23.526					
Cr	53	709.70223	682469.6	ug/L	7.998					
Fe	54	43707.028	23070597	ug/L	21.428					
Mn	55	3692.372	46422181	ug/L	97.109					
Fe	56	43763.996	4.1E+08	ug/L	1882.631					
Fe	57	49842.699	9966584	ug/L	434.967					
Co	59	841.19913	7622996	ug/L	32.725					
Ni	60	697.73006	1356787	ug/L	11.628					
Ni	62	701.40176	208097.9	ug/L	21.334					
Cu	63	731.55973	3359927	ug/L	26.066					
Zn	64	683.21148	1517820	ug/L	11.448					
Cu	65	663.80089	1476684	ug/L	14.928					
Zn	66	691.39428	919659.8	ug/L	21.26					
Zn	68	706.02874	667760	ug/L	15.854					
Ge	72	124771.75		ug/L						
As	75	1292.7155	1571362	ug/L	11.696					
Se	74	95.3308	15831.5	mg/L	16.92					
ArCl	77	133453.73		ug/L						

Br	79	263391.33	ug/L						
Br	81	296785.25	ug/L						
Y	89	328138.6	ug/L						
Mo	95	1176.1817	3651489	ug/L	8.346				
Rh	103	307222.53	ug/L						
Ag	107	1117.1385	9443835	ug/L	3.389				
Ag	109	1109.8806	9130059	ug/L	4.296				
Cd	111	1146.4375	2576322	ug/L	1.498				
Cd	114	1125.4756	5953854	ug/L	2.025				
In	115	414734.7	ug/L						
Sb	121	1355.6886	9504861	ug/L	29.922				
Sb	123	1342.7713	7214351	ug/L	40.258				
Ba	137	1181.2902	4487412	ug/L	1.09				
Ba	138	1205.2398	29035762	ug/L	11.54				
Tb	159	506806.52	ug/L						
Ho	165	488228.7	ug/L						
Hg	200	1.041472	1796.529	ug/L	0.001				
Hg	202	1.027685	2332.989	ug/L	0				
Tl	205	1125.3939	23645750	ug/L	3.174				
Pb	208	1097.4806	32236701	ug/L	3.436				
Bi	209	354374.24	ug/L						
Se	77	1456.6732	128989	mg/L	38.191				
Se	78	1433.0365	436248.5	mg/L	8.399				
Se	82	1478.7346	190921.5	mg/L	16.19				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	123.903							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	95.334
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.383
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	89.397
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.16 MSD
Sample Date/Time: Wednesday August 31 2011 17:42:54
Autosampl Position: 63
Sample Description Aqtot postdigestion
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MSD.19065
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	7499.098		ug/L						
Be	9	859.32662	233725.9	ug/L	29.117					
B	10	433.1975	26070.26	ug/L	13.726					
B	11	428.95291	122049.2	ug/L	19.587					
C	12	60864624		ug/L						
Na	23	103938	4.89E+08	ug/L	2328.262					
Mg	24	33813.229	1.03E+08	ug/L	558.003					
Mg	25	33726.786	14638877	ug/L	1634.338					
Al	27	11459.123	54840192	ug/L	269.741					
Si	28	25365852		ug/L						
P	31	13537.069	3131831	ug/L	414.05					
S	32	74204344		ug/L						
Cl	35	9854925.7		ug/L						
K	39	46408.461	3.15E+08	ug/L	764.803					
Ca	44	79312.664	15937752	ug/L	789.762					
Sc	45	146964.04		ug/L						
Ti	47	28.414864	17315.32	ug/L	1.179					
Ti	48	40.405738	253977.7	ug/L	3.085					
V	51	930.1141	8074351	ug/L	21.32					
ClO	51	8305986.5		ug/L						
Cr	52	911.69824	6509660	ug/L	20.744					
Cr	53	742.21374	657758.3	ug/L	21.01					
Fe	54	47078.585	22907211	ug/L	1321.42					
Mn	55	3933.5549	45612874	ug/L	75.42					
Fe	56	47259.353	4.08E+08	ug/L	1378.77					
Fe	57	53873.198	9932473	ug/L	1333.819					
Co	59	873.00486	7296203	ug/L	32.681					
Ni	60	728.10241	1305571	ug/L	21.045					
Ni	62	731.35738	200146.3	ug/L	11.596					
Cu	63	791.30305	3351846	ug/L	25.574					
Zn	64	728.77754	1493096	ug/L	12.059					
Cu	65	709.50293	1455584	ug/L	17.647					
Zn	66	733.58185	899838.1	ug/L	24.605					
Zn	68	742.78562	647850.8	ug/L	18.986					
Ge	72	126958.43		ug/L						
As	75	1265.4285	1563693	ug/L	59.236					
Se	74	72.614126	14786.7	mg/L	16.863					
ArCl	77	131500.28		ug/L						

Br	79	266813.79	ug/L						
Br	81	302216.6	ug/L						
Y	89	335286	ug/L						
Mo	95	1126.189	3554101	ug/L	54.672				
Rh	103	318823.96	ug/L						
Ag	107	1037.9228	9233671	ug/L	49.693				
Ag	109	1032.0383	8936140	ug/L	33.378				
Cd	111	1075.2803	2543988	ug/L	19.737				
Cd	114	1057.6383	5889826	ug/L	26.343				
In	115	436744.84	ug/L						
Sb	121	1271.3813	9386119	ug/L	3.062				
Sb	123	1262.7737	7145265	ug/L	13.579				
Ba	137	1112.6913	4448524	ug/L	46.225				
Ba	138	1129.4195	28642242	ug/L	32.132				
Tb	159	514855.7	ug/L						
Ho	165	501990.7	ug/L						
Hg	200	0.960279	1704.177	ug/L	0.022				
Hg	202	0.968204	2260.637	ug/L	0.021				
Tl	205	1076.6901	23258474	ug/L	14.573				
Pb	208	1053.0348	31799373	ug/L	23.079				
Bi	209	349155.78	ug/L						
Se	77	1458.5242	129152.3	mg/L	1.105				
Se	78	1416.724	431424.1	mg/L	25.794				
Se	82	1479.4209	191010.1	mg/L	13.981				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	114.27							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	97.005
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	94.127
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	91.916
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 17:49:25
Autosampl Position: 64
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19066
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6903.955		ug/L						
Be	9	0.054326	15.667	ug/L	0.014					
B	10	3.242677	205.004	ug/L	0.389					
B	11	3.631174	1053.072	ug/L	0.422					
C	12	937673.47		ug/L						
Na	23	19.99883	96906.8	ug/L	0.007					
Mg	24	2.125091	5892.507	ug/L	0.275					
Mg	25	2.155942	836.789	ug/L	0.025					
Al	27	1.402211	8628.29	ug/L	0.093					
Si	28	67409.045		ug/L						
P	31	-6.529409	5612.3	ug/L	3.237					
S	32	71376029		ug/L						
Cl	35	6853246.6		ug/L						
K	39	12.075163	727628.9	ug/L	1.98					
Ca	44	-35.0802	24970.07	ug/L	2.93					
Sc	45	118789.83		ug/L						
Ti	47	-0.037588	127.669	ug/L	0.063					
Ti	48	0.203455	-1214.71	ug/L	0					
V	51	0.521489	22618	ug/L	0.108					
ClO	51	23710.453		ug/L						
Cr	52	-0.148326	4373.674	ug/L	0.015					
Cr	53	1.64147	7338.368	ug/L	0.445					
Fe	54	15.249764	42484.69	ug/L	2.56					
Mn	55	0.201616	2909.828	ug/L	0.004					
Fe	56	-5.074325	1508358	ug/L	5.686					
Fe	57	20.567667	8945.296	ug/L	1.321					
Co	59	0.050422	446.682	ug/L	0					
Ni	60	0.057423	140.002	ug/L	0.018					
Ni	62	0.084264	50.667	ug/L	0.005					
Cu	63	0.140986	633.029	ug/L	0.019					
Zn	64	1.050541	2592.12	ug/L	0.024					
Cu	65	0.139151	279.34	ug/L	0.015					
Zn	66	1.109271	1590.822	ug/L	0.068					
Zn	68	1.07609	1161.753	ug/L	0.027					
Ge	72	115193.37		ug/L						
As	75	0.30619	348.25	ug/L	0.027					
Se	74	-23.629948	8411.956	mg/L	8.192					
ArCl	77	437.348		ug/L						

Br	79	3292.296	ug/L						
Br	81	15284.324	ug/L						
Y	89	313819.55	ug/L						
Mo	95	1.851624	5400.333	ug/L	0.164				
Rh	103	315300.68	ug/L						
Ag	107	0.587109	5518.416	ug/L	0.104				
Ag	109	0.565438	5171.871	ug/L	0.095				
Cd	111	0.031784	91.335	ug/L	0				
Cd	114	0.023885	185.67	ug/L	0.002				
In	115	424191.38	ug/L						
Sb	121	7.266556	52842.05	ug/L	0.94				
Sb	123	7.287887	40595.49	ug/L	0.937				
Ba	137	0.070522	333.009	ug/L	0.006				
Ba	138	0.063488	1810.017	ug/L	0.001				
Tb	159	494486.03	ug/L						
Ho	165	471382.45	ug/L						
Hg	200	0.011306	33.334	ug/L	0.001				
Hg	202	0.007883	33	ug/L	0.001				
Tl	205	0.045752	1162.753	ug/L	0.002				
Pb	208	0.043929	1712.746	ug/L	0.002				
Bi	209	362365.23	ug/L						
Se	77	-0.559148	412.009	mg/L	0.278				
Se	78	-6.107007	10617.42	mg/L	0.3				
Se	82	0.351427	76.115	mg/L	0.048				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.363							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.016
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.421
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.312
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MS
Sample Date/Time: Wednesday August 31 2011 17:55:57
Autosampl Position: 65
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MS.19067
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12340.37		ug/L						
Be	9	914.38407	234050.7	ug/L	21.311					
B	10	253.18887	14364.15	ug/L	0.494					
B	11	257.81828	69163.9	ug/L	4.017					
C	12	47998785		ug/L						
Na	23	100351.59	4.45E+08	ug/L	1609.294					
Mg	24	34895.324	99613516	ug/L	325.447					
Mg	25	34028.305	13904476	ug/L	98.711					
Al	27	11918.289	53684008	ug/L	161.901					
Si	28	20234001		ug/L						
P	31	14933.821	3251403	ug/L	287.116					
S	32	68774758		ug/L						
Cl	35	3745272.7		ug/L						
K	39	34658.951	2.22E+08	ug/L	728.974					
Ca	44	50295.946	9524233	ug/L	709.449					
Sc	45	138273.05		ug/L						
Ti	47	28.475812	16331.49	ug/L	0.625					
Ti	48	27.300353	160700.4	ug/L	1.178					
V	51	986.50844	8058636	ug/L	6.53					
ClO	51	8323751.1		ug/L						
Cr	52	975.28468	6553555	ug/L	8.393					
Cr	53	816.67095	680372.2	ug/L	13.661					
Fe	54	27195.912	12474404	ug/L	705.284					
Mn	55	4231.1836	46175190	ug/L	31.975					
Fe	56	28183.767	2.3E+08	ug/L	398.693					
Fe	57	32587.267	5656207	ug/L	779.993					
Co	59	970.8303	7636291	ug/L	19.801					
Ni	60	800.02783	1349983	ug/L	15.942					
Ni	62	797.34228	205314.6	ug/L	12.124					
Cu	63	852.03499	3396834	ug/L	4.139					
Zn	64	817.53581	1576015	ug/L	4.764					
Cu	65	762.71799	1472561	ug/L	6.966					
Zn	66	825.91883	953405.1	ug/L	11.762					
Zn	68	841.03047	690290	ug/L	2.741					
Ge	72	114060.46		ug/L						
As	75	1367.7499	1519707	ug/L	27.823					
Se	74	178.56822	18784.6	mg/L	40.056					
ArCl	77	127911.95		ug/L						

Br	79	260758.76		ug/L					
Br	81	290631.44		ug/L					
Y	89	301060.01		ug/L					
Mo	95	1272.714	3612080	ug/L	1.62				
Rh	103	286562.44		ug/L					
Ag	107	1127.4531	8947963	ug/L	20.6				
Ag	109	1132.4223	8746149	ug/L	8.84				
Cd	111	1222.1752	2578503	ug/L	20.691				
Cd	114	1193.4651	5927215	ug/L	22.158				
In	115	389412.96		ug/L					
Sb	121	1369.5557	9016780	ug/L	28.64				
Sb	123	1373.46	6930120	ug/L	50.844				
Ba	137	1331.2768	4748487	ug/L	3.755				
Ba	138	1359.8778	30760100	ug/L	8.7				
Tb	159	463761.86		ug/L					
Ho	165	456081.94		ug/L					
Hg	200	1.147026	1846.873	ug/L	0.001				
Hg	202	1.12708	2388.671	ug/L	0				
Tl	205	1194.4806	23445694	ug/L	3.902				
Pb	208	1172.0175	32153294	ug/L	19.642				
Bi	209	322066.44		ug/L					
Se	77	1405.7981	124500.1	mg/L	6.153				
Se	78	1396.8205	425537.5	mg/L	9.173				
Se	82	1430.0995	184643.1	mg/L	22.893				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	107.512							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.15
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.926
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	83.51
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: 102479.04 MSD
Sample Date/Time: Wednesday August 31 2011 18:02:28
Autosampl Position: 66
Sample Description Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ MSD.19068
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	12464.539		ug/L						
Be	9	988.11501	240653.2	ug/L	14.698					
B	10	265.8179	14344.12	ug/L	4.44					
B	11	270.92925	69099.36	ug/L	12.327					
C	12	46262654		ug/L						
Na	23	108491.69	4.57E+08	ug/L	3134.496					
Mg	24	37461.505	1.02E+08	ug/L	1087.994					
Mg	25	36943.503	14356675	ug/L	1425.372					
Al	27	13367.455	57268807	ug/L	341.969					
Si	28	21400815		ug/L						
P	31	16490.739	3412992	ug/L	822.238					
S	32	70639759		ug/L						
Cl	35	3841021.6		ug/L						
K	39	37581.779	2.29E+08	ug/L	1332.044					
Ca	44	52473.358	9451771	ug/L	325.308					
Sc	45	131569.53		ug/L						
Ti	47	29.599574	16137.48	ug/L	1.701					
Ti	48	28.308734	158426.4	ug/L	3.807					
V	51	1072.9433	8331296	ug/L	65.52					
ClO	51	8543794.7		ug/L						
Cr	52	1045.1958	6679111	ug/L	37.1					
Cr	53	865.63434	685669.8	ug/L	20.066					
Fe	54	29215.224	12739634	ug/L	1148.251					
Mn	55	4484.5499	46552739	ug/L	96.788					
Fe	56	29062.865	2.25E+08	ug/L	1750.381					
Fe	57	33202.482	5478845	ug/L	2679.368					
Co	59	1034.8562	7744391	ug/L	20.501					
Ni	60	855.86373	1374049	ug/L	15.628					
Ni	62	861.70608	211059.4	ug/L	29.467					
Cu	63	908.78037	3446382	ug/L	24.045					
Zn	64	880.63628	1614703	ug/L	28.174					
Cu	65	826.81475	1518367	ug/L	28.083					
Zn	66	885.56434	972432.9	ug/L	23.184					
Zn	68	905.41013	706824.9	ug/L	26.79					
Ge	72	115279.77		ug/L						
As	75	1367.1047	1535048	ug/L	35.262					
Se	74	147.4411	17352.07	mg/L	6.309					
ArCl	77	127164.89		ug/L						

Br	79	254636.48	ug/L						
Br	81	287455.18	ug/L						
Y	89	294377.18	ug/L						
Mo	95	1278.9388	3666798	ug/L	65.885				
Rh	103	282106.84	ug/L						
Ag	107	1200.9563	9254488	ug/L	35.948				
Ag	109	1199.4724	8996644	ug/L	6.702				
Cd	111	1268.7863	2598854	ug/L	47.902				
Cd	114	1244.6071	6001012	ug/L	50.447				
In	115	378176.8	ug/L						
Sb	121	1443.4796	9221520	ug/L	89.971				
Sb	123	1442.9803	7064222	ug/L	86.792				
Ba	137	1403.5921	4860506	ug/L	35.945				
Ba	138	1411.0071	30991874	ug/L	22.004				
Tb	159	459358.49	ug/L						
Ho	165	450871.09	ug/L						
Hg	200	1.147473	1825.868	ug/L	0.058				
Hg	202	1.123486	2353.328	ug/L	0.041				
Tl	205	1236.0631	23983300	ug/L	3.858				
Pb	208	1207.476	32752069	ug/L	8.773				
Bi	209	322094.69	ug/L						
Se	77	1406.0895	124525.8	mg/L	13.714				
Se	78	1367.4342	416846.4	mg/L	14.913				
Se	82	1423.5115	183792.7	mg/L	9.129				

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	102.3							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.082
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	81.504
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	82.556
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 18:08:59
Autosampl Position: 67
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19069
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6830.567		ug/L						
Be	9	0.098817	25.667	ug/L	0.001					
B	10	3.122669	201.004	ug/L	0.364					
B	11	3.205133	964.061	ug/L	0.438					
C	12	899888.17		ug/L						
Na	23	29.057348	132620.3	ug/L	0.125					
Mg	24	1.979072	5592.279	ug/L	0.028					
Mg	25	2.094082	823.453	ug/L	0.305					
Al	27	3.531017	17027.64	ug/L	0.067					
Si	28	72159.282		ug/L						
P	31	-0.891868	6733.169	ug/L	1.446					
S	32	69290471		ug/L						
Cl	35	7379760.8		ug/L						
K	39	17.840065	766493	ug/L	2.017					
Ca	44	-43.917304	23760.05	ug/L	2.857					
Sc	45	119905.63		ug/L						
Ti	47	0.001937	148.669	ug/L	0.033					
Ti	48	0.222705	-1125.9	ug/L	0.01					
V	51	0.379375	21827.73	ug/L	0.116					
ClO	51	22847.578		ug/L						
Cr	52	-0.13622	4484.975	ug/L	0.027					
Cr	53	1.045597	6982.085	ug/L	0.411					
Fe	54	31.563396	49353.34	ug/L	1.747					
Mn	55	0.263058	3518.716	ug/L	0.008					
Fe	56	6.597273	1604819	ug/L	3.214					
Fe	57	38.112	11668.66	ug/L	3.33					
Co	59	0.086025	694.034	ug/L	0.007					
Ni	60	0.383848	619.027	ug/L	0.021					
Ni	62	0.400812	121.669	ug/L	0.106					
Cu	63	0.886509	3216.602	ug/L	0.039					
Zn	64	3.266185	6317.747	ug/L	0.071					
Cu	65	0.862603	1493.138	ug/L	0.013					
Zn	66	3.284258	3781.157	ug/L	0.027					
Zn	68	3.316762	2766.115	ug/L	0.029					
Ge	72	116026.42		ug/L						
As	75	0.522319	595.427	ug/L	0.01					
Se	74	-13.608524	8985.063	mg/L	79.129					
ArCl	77	499.685		ug/L						

Br	79	2738.44	ug/L						
Br	81	14191.219	ug/L						
Y	89	312533.93	ug/L						
Mo	95	3.655437	10636.7	ug/L	0.433				
Rh	103	312828.88	ug/L						
Ag	107	5.786168	50390.06	ug/L	0.536				
Ag	109	5.782548	48987.79	ug/L	0.573				
Cd	111	0.059602	155.003	ug/L	0.001				
Cd	114	0.055552	356.344	ug/L	0.004				
In	115	423432.85	ug/L						
Sb	121	11.179108	80794.38	ug/L	1.209				
Sb	123	11.253116	62304.93	ug/L	1.303				
Ba	137	0.111985	493.352	ug/L	0.004				
Ba	138	0.094928	2580.462	ug/L	0.007				
Tb	159	486740.32	ug/L						
Ho	165	460768.36	ug/L						
Hg	200	0.019409	45.667	ug/L	0.002				
Hg	202	0.016397	50.334	ug/L	0.005				
Tl	205	0.079904	1814.199	ug/L	0				
Pb	208	0.180029	5446.702	ug/L	0.02				
Bi	209	359747.22	ug/L						
Se	77	-0.060448	456.011	mg/L	0.385				
Se	78	-5.422311	10819.92	mg/L	0.783				
Se	82	0.949704	153.347	mg/L	0.049				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	93.231							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.652
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.258
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	84.369
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 18:15:31
Autosampl Position: 68
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19070
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6605.066		ug/L						
Be	9	0.061969	17	ug/L	0.021					
B	10	1.892857	137.002	ug/L	0.08					
B	11	1.869609	637.029	ug/L	0.11					
C	12	566165.88		ug/L						
Na	23	17.6928	86676.54	ug/L	0.318					
Mg	24	1.367473	3974.6	ug/L	0.034					
Mg	25	1.558778	616.749	ug/L	0.072					
Al	27	6.128058	26471.13	ug/L	0.117					
Si	28	59745.192		ug/L						
P	31	-2.904258	6182.736	ug/L	4.803					
S	32	68022270		ug/L						
Cl	35	7210294.8		ug/L						
K	39	11.95228	714978.2	ug/L	3.423					
Ca	44	-52.428184	21794.94	ug/L	3.386					
Sc	45	116844.88		ug/L						
Ti	47	-0.007926	140.002	ug/L	0.011					
Ti	48	0.237456	-1022.08	ug/L	0.018					
V	51	0.526212	22287.85	ug/L	0.028					
ClO	51	23118.927		ug/L						
Cr	52	-0.059849	4804.612	ug/L	0.001					
Cr	53	1.651749	7227.277	ug/L	0.096					
Fe	54	14.863882	41638.59	ug/L	2.789					
Mn	55	0.161312	2489.699	ug/L	0.007					
Fe	56	1.655371	1529688	ug/L	4.49					
Fe	57	14.902974	7967.621	ug/L	0.246					
Co	59	0.045397	405.68	ug/L	0.005					
Ni	60	0.109298	211.671	ug/L	0.017					
Ni	62	0.115431	56.667	ug/L	0.03					
Cu	63	1.02435	3596.748	ug/L	0.045					
Zn	64	3.762658	6964.601	ug/L	0.061					
Cu	65	1.020581	1712.845	ug/L	0.015					
Zn	66	3.636074	4026.599	ug/L	0.143					
Zn	68	3.743207	2990.855	ug/L	0.058					
Ge	72	116441.12		ug/L						
As	75	0.100006	117.963	ug/L	0.04					
Se	74	-14.394311	8976.061	mg/L	33.83					
ArCl	77	455.349		ug/L						

Br	79	2078.592	ug/L						
Br	81	13748.194	ug/L						
Y	89	318962.06	ug/L						
Mo	95	1.172006	3485.036	ug/L	0.004				
Rh	103	306923.14	ug/L						
Ag	107	2.195403	19041.12	ug/L	0.056				
Ag	109	2.408457	20268.77	ug/L	0.012				
Cd	111	0.020894	65.001	ug/L	0.003				
Cd	114	0.016678	143.669	ug/L	0.002				
In	115	415722.32	ug/L						
Sb	121	3.361332	24376.55	ug/L	0.017				
Sb	123	3.410281	18928.07	ug/L	0.042				
Ba	137	0.078548	357.011	ug/L	0.002				
Ba	138	0.067637	1874.327	ug/L	0.003				
Tb	159	494828.71	ug/L						
Ho	165	470776.21	ug/L						
Hg	200	0.011928	34.334	ug/L	0				
Hg	202	0.010669	39	ug/L	0				
Tl	205	0.021401	667.698	ug/L	0.003				
Pb	208	0.075446	2602.84	ug/L	0.003				
Bi	209	364530.23	ug/L						
Se	77	-0.906725	381.341	mg/L	0.556				
Se	78	-5.461972	10808.19	mg/L	0.845				
Se	82	0.056809	38.083	mg/L	0.29				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.851							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.969
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.596
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.201
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: flush
Sample Date/Time: Wednesday August 31 2011 18:22:02
Autosampl Position: 69
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\flush.19071
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6543.688		ug/L						
Be	9	0.049862	14.667	ug/L	0.001					
B	10	1.005374	96.335	ug/L	0.082					
B	11	1.009708	450.682	ug/L	0.015					
C	12	462302.57		ug/L						
Na	23	9.330428	56319.54	ug/L	0.482					
Mg	24	0.144062	1040.164	ug/L	0.017					
Mg	25	0.113387	120.013	ug/L	0.019					
Al	27	0.129878	3707.794	ug/L	0.072					
Si	28	49033.495		ug/L						
P	31	-4.892701	5935.891	ug/L	4.605					
S	32	68512036		ug/L						
Cl	35	6748831.3		ug/L						
K	39	4.469534	686364	ug/L	2.376					
Ca	44	-61.860486	20642.14	ug/L	3.02					
Sc	45	118868.27		ug/L						
Ti	47	-0.035415	129.002	ug/L	0.011					
Ti	48	0.172447	-1374.45	ug/L	0.01					
V	51	0.36703	21550.06	ug/L	0.094					
ClO	51	22185.271		ug/L						
Cr	52	-0.084973	4742.635	ug/L	0.004					
Cr	53	1.237004	7055.808	ug/L	0.419					
Fe	54	-1.158386	36077.73	ug/L	0.88					
Mn	55	0.084379	1811.532	ug/L	0.001					
Fe	56	-10.633103	1470569	ug/L	6.007					
Fe	57	3.936246	6466.28	ug/L	2.638					
Co	59	0.027384	291.008	ug/L	0.002					
Ni	60	0.028437	98.335	ug/L	0.005					
Ni	62	0.034475	39.667	ug/L	0.002					
Cu	63	0.034645	268.34	ug/L	0.003					
Zn	64	0.128729	1066.935	ug/L	0.026					
Cu	65	0.033125	103.335	ug/L	0.001					
Zn	66	0.141406	631.028	ug/L	0.03					
Zn	68	0.169182	523.02	ug/L	0.016					
Ge	72	113081.67		ug/L						
As	75	0.127661	145.218	ug/L	0.045					
Se	74	17.828634	10375.43	mg/L	32.1					
ArCl	77	399.346		ug/L						

Br	79	2076.592	ug/L						
Br	81	14117.094	ug/L						
Y	89	308663.22	ug/L						
Mo	95	0.545354	1620.828	ug/L	0.04				
Rh	103	301623	ug/L						
Ag	107	0.987297	8375.638	ug/L	0.157				
Ag	109	0.892797	7409.428	ug/L	0.015				
Cd	111	0.007519	33.334	ug/L	0.004				
Cd	114	0.00413	73.668	ug/L	0.002				
In	115	396277.97	ug/L						
Sb	121	1.61477	11531.09	ug/L	0.073				
Sb	123	1.660217	9055.831	ug/L	0.07				
Ba	137	0.024764	145.003	ug/L	0.002				
Ba	138	0.019881	687.581	ug/L	0.001				
Tb	159	465981.46	ug/L						
Ho	165	450170.02	ug/L						
Hg	200	0.004861	21.667	ug/L	0.004				
Hg	202	0.003474	22.334	ug/L	0				
Tl	205	0.007307	366.011	ug/L	0.001				
Pb	208	0.011393	755.02	ug/L	0.001				
Bi	209	348709.18	ug/L						
Se	77	-1.148517	360.007	mg/L	0.256				
Se	78	-5.026207	10937.07	mg/L	0.806				
Se	82	-0.181968	7.259	mg/L	0.189				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.424							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	86.402
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.405
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	82.428
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: BLK
Sample Date/Time: Wednesday August 31 2011 18:28:34
Autosampl Position: 70
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\BLK.19072
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6495.653		ug/L						
Be	9	0.03484	11	ug/L	0					
B	10	1.084808	96.668	ug/L	0.313					
B	11	0.924779	417.014	ug/L	0.081					
C	12	581951.6		ug/L						
Na	23	13.006752	68033.74	ug/L	0.672					
Mg	24	0.999976	3034.144	ug/L	0.136					
Mg	25	1.004894	420.052	ug/L	0.151					
Al	27	2.344228	11882.28	ug/L	0.096					
Si	28	57235.322		ug/L						
P	31	-2.277089	6222.781	ug/L	4.59					
S	32	68927201		ug/L						
Cl	35	7742812.8		ug/L						
K	39	11.084894	699092.2	ug/L	4.439					
Ca	44	-21.177226	26354.11	ug/L	5.055					
Sc	45	115042.44		ug/L						
Ti	47	-0.022037	131.002	ug/L	0.027					
Ti	48	0.2248	-1069.74	ug/L	0.004					
V	51	0.663851	22858.93	ug/L	0.137					
ClO	51	23849.815		ug/L						
Cr	52	-0.027478	4912.674	ug/L	0.014					
Cr	53	2.219647	7498.5	ug/L	0.613					
Fe	54	2.354459	36230.54	ug/L	2.714					
Mn	55	0.08709	1777.525	ug/L	0.003					
Fe	56	-2.172587	1480206	ug/L	3.351					
Fe	57	6.518897	6633.083	ug/L	0.732					
Co	59	0.027113	279.34	ug/L	0.006					
Ni	60	0.104455	201.671	ug/L	0.006					
Ni	62	0.123592	57.334	ug/L	0.04					
Cu	63	0.15305	651.363	ug/L	0.021					
Zn	64	3.508907	6446.9	ug/L	0.155					
Cu	65	0.158101	300.675	ug/L	0.004					
Zn	66	3.677087	4002.588	ug/L	0.146					
Zn	68	3.595953	2842.473	ug/L	0.175					
Ge	72	115472.75		ug/L						
As	75	0.067966	81.307	ug/L	0.035					
Se	74	1.215286	9726.723	mg/L	73.514					
ArCl	77	442.682		ug/L						

Br	79	2156.611	ug/L						
Br	81	14149.812	ug/L						
Y	89	315556.12	ug/L						
Mo	95	0.350752	1096.411	ug/L	0.027				
Rh	103	309791.62	ug/L						
Ag	107	1.248611	10726.46	ug/L	0.093				
Ag	109	1.240581	10360.38	ug/L	0.117				
Cd	111	0.004064	26.334	ug/L	0				
Cd	114	0.001988	64.001	ug/L	0				
In	115	404384.83	ug/L						
Sb	121	1.06013	7976.579	ug/L	0.067				
Sb	123	1.073805	6168.975	ug/L	0.08				
Ba	137	0.031823	174.003	ug/L	0.005				
Ba	138	0.025892	842.523	ug/L	0				
Tb	159	488625.08	ug/L						
Ho	165	471818.94	ug/L						
Hg	200	0.005254	23.334	ug/L	0.004				
Hg	202	0.003439	23.334	ug/L	0				
Tl	205	0.003513	306.675	ug/L	0.001				
Pb	208	0.02283	1115.705	ug/L	0.002				
Bi	209	355875.72	ug/L						
Se	77	-0.256906	438.677	mg/L	0.15				
Se	78	-5.346266	10842.41	mg/L	0.767				
Se	82	-0.109423	16.624	mg/L	0.011				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	89.449							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.229
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.153
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.392
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: Ag LCS
Sample Date/Time: Wednesday August 31 2011 18:35:05
Autosampl Position: 71
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ LCS.19073
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6510.334		ug/L						
Be	9	0.040469	12	ug/L	0.004					
B	10	0.717672	78.334	ug/L	0.222					
B	11	0.671033	355.01	ug/L	0.016					
C	12	579554.76		ug/L						
Na	23	8.175661	49452.55	ug/L	0.563					
Mg	24	0.577705	2003.755	ug/L	0.018					
Mg	25	0.608963	280.032	ug/L	0.165					
Al	27	1.218064	7543.884	ug/L	0.054					
Si	28	56678.541		ug/L						
P	31	-3.373673	5909.205	ug/L	5.792					
S	32	66419991		ug/L						
Cl	35	6795243.9		ug/L						
K	39	8.856746	676424.5	ug/L	0.638					
Ca	44	-40.150081	23008.05	ug/L	1.192					
Sc	45	113159.94		ug/L						
Ti	47	0.003522	141.003	ug/L	0.046					
Ti	48	0.193595	-1205.51	ug/L	0.006					
V	51	0.601044	22083.02	ug/L	0.05					
ClO	51	22901.038		ug/L						
Cr	52	-0.055104	4679.391	ug/L	0.014					
Cr	53	2.093028	7298.338	ug/L	0.426					
Fe	54	-2.542988	33827.87	ug/L	4.551					
Mn	55	0.071858	1612.826	ug/L	0.001					
Fe	56	-9.478992	1408055	ug/L	1.783					
Fe	57	3.672505	6122.674	ug/L	0.585					
Co	59	0.022542	246.006	ug/L	0.001					
Ni	60	0.071245	152.669	ug/L	0.005					
Ni	62	0.073544	46.001	ug/L	0.003					
Cu	63	0.095553	454.349	ug/L	0.007					
Zn	64	1.46339	3120.511	ug/L	0.001					
Cu	65	0.0892	187.004	ug/L	0.004					
Zn	66	1.535258	1917.221	ug/L	0.033					
Zn	68	1.525322	1408.123	ug/L	0.014					
Ge	72	114232.18		ug/L						
As	75	-0.02191	-18.843	ug/L	0.041					
Se	74	6.347607	9840.835	mg/L	73.019					
ArCl	77	408.68		ug/L						

Br	79	1942.894	ug/L						
Br	81	13646.371	ug/L						
Y	89	306799.79	ug/L						
Mo	95	0.231545	745.371	ug/L	0.015				
Rh	103	308133.72	ug/L						
Ag	107	43.103833	361065.8	ug/L	0.524				
Ag	109	43.381546	353599.1	ug/L	0.036				
Cd	111	0.005691	30.334	ug/L	0.005				
Cd	114	-0.000425	52.334	ug/L	0				
In	115	410492.48	ug/L						
Sb	121	0.707004	5652.814	ug/L	0.022				
Sb	123	0.716235	4366.532	ug/L	0.044				
Ba	137	0.036661	195.004	ug/L	0.007				
Ba	138	0.033905	1046.255	ug/L	0				
Tb	159	498028.71	ug/L						
Ho	165	477142.42	ug/L						
Hg	200	0.00408	21.667	ug/L	0				
Hg	202	0.002561	21.667	ug/L	0.001				
Tl	205	0.003583	311.342	ug/L	0.001				
Pb	208	0.022343	1114.705	ug/L	0				
Bi	209	353215.34	ug/L						
Se	77	-0.196458	444.011	mg/L	0.15				
Se	78	-4.709009	11030.88	mg/L	0.929				
Se	82	-0.199317	5.02	mg/L	0.352				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	87.986							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	87.281
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.469
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	87.367
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 1
Sample Date/Time: Wednesday August 31 2011 18:41:31
Autosampl Position: 5
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 1.19074
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6562.368		ug/L						
Be	9	0.03873	12	ug/L	0.001					
B	10	0.540134	72.334	ug/L	0.123					
B	11	0.53847	336.343	ug/L	0.047					
C	12	412267.9		ug/L						
Na	23	4.716119	38063.34	ug/L	0.315					
Mg	24	0.328822	1466.932	ug/L	0.017					
Mg	25	0.438627	230.026	ug/L	0.035					
Al	27	0.149127	3717.799	ug/L	0.027					
Si	28	51065.199		ug/L						
P	31	-6.024515	5615.645	ug/L	3.935					
S	32	68447166		ug/L						
Cl	35	6643580.7		ug/L						
K	39	4.328407	673373	ug/L	1.04					
Ca	44	-58.878431	20752.41	ug/L	1.873					
Sc	45	116730.01		ug/L						
Ti	47	-0.055874	117.002	ug/L	0.03					
Ti	48	0.170346	-1361	ug/L	0.003					
V	51	0.432089	21613.22	ug/L	0.117					
ClO	51	22449.916		ug/L						
Cr	52	-0.041994	4901.495	ug/L	0.014					
Cr	53	1.42529	7062.48	ug/L	0.206					
Fe	54	1.944661	36636.55	ug/L	7.953					
Mn	55	0.06803	1628.495	ug/L	0					
Fe	56	-20.206865	1379188	ug/L	0.963					
Fe	57	0.333867	5825.783	ug/L	1.692					
Co	59	0.021213	245.006	ug/L	0.002					
Ni	60	0.022716	88.335	ug/L	0					
Ni	62	0.054959	43.334	ug/L	0.076					
Cu	63	0.024876	230.672	ug/L	0.005					
Zn	64	0.083279	974.276	ug/L	0					
Cu	65	0.028357	93.668	ug/L	0.007					
Zn	66	0.067862	548.355	ug/L	0.002					
Zn	68	0.108793	471.684	ug/L	0.004					
Ge	72	115572.7		ug/L						
As	75	0.095002	111.873	ug/L	0.006					
Se	74	25.521159	11013.18	mg/L	7.139					
ArCl	77	375.678		ug/L						

Br	79	1922.89	ug/L						
Br	81	13289.841	ug/L						
Y	89	311227.39	ug/L						
Mo	95	0.26323	846.048	ug/L	0.013				
Rh	103	310423.25	ug/L						
Ag	107	0.33358	3246.953	ug/L	0.061				
Ag	109	0.318802	3022.875	ug/L	0.068				
Cd	111	0.006623	32.667	ug/L	0.002				
Cd	114	0.002161	66.334	ug/L	0.001				
In	115	413419.42	ug/L						
Sb	121	0.648715	5285.589	ug/L	0.003				
Sb	123	0.666869	4133.091	ug/L	0.016				
Ba	137	0.019998	133.336	ug/L	0.001				
Ba	138	0.01487	596.583	ug/L	0				
Tb	159	490166.45	ug/L						
Ho	165	469740.74	ug/L						
Hg	200	0.001433	17	ug/L	0.002				
Hg	202	0.003337	23	ug/L	0				
Tl	205	0.00974	431.015	ug/L	0.001				
Pb	208	0.01	748.686	ug/L	0.001				
Bi	209	374039.94	ug/L						
Se	77	-0.72538	397.342	mg/L	0.556				
Se	78	-5.675758	10744.96	mg/L	0.914				
Se	82	-0.259193	-2.71	mg/L	0.187				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al								
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	90.762							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

	Cr	
	Fe	
	Mn	
	Fe	
	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
-	Zn	
>	Ge	88.306
	As	
	Se	
	ArCl	
	Br	
	Br	
	Y	
-	Mo	
-	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.1
	Sb	
	Sb	
	Ba	
-	Ba	
-	Tb	
>	Ho	86.011
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	
	Se	
	Se	

Sample ID: QC Std 2
Sample Date/Time: Wednesday August 31 2011 18:48:27
Autosampl Position: 6
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 2.19075
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6394.248		ug/L						
Be	9	95.723764	21379.99	ug/L	0.465					
B	10	100.96059	5025.439	ug/L	0.379					
B	11	101.2609	23828.45	ug/L	4.025					
C	12	396174.95		ug/L						
Na	23	114.3745	463119.8	ug/L	1.75					
Mg	24	114.55318	285932.1	ug/L	1.231					
Mg	25	114.38707	40852.33	ug/L	1.322					
Al	27	109.55712	433658.3	ug/L	0.845					
Si	28	158125.8		ug/L						
P	31	0.947781	7120.183	ug/L	4.14					
S	32	68340131		ug/L						
Cl	35	6314515.8		ug/L						
K	39	1252.4087	7637471	ug/L	21.7					
Ca	44	49.292727	39241.76	ug/L	0.221					
Sc	45	120617.57		ug/L						
Ti	47	100.94789	50132.36	ug/L	1.165					
Ti	48	102.74176	534046.9	ug/L	2.224					
V	51	94.087788	687852.2	ug/L	0.549					
ClO	51	708959.94		ug/L						
Cr	52	97.492169	576209.8	ug/L	0.589					
Cr	53	95.129429	74683.26	ug/L	0.741					
Fe	54	103.61385	78377.28	ug/L	9.274					
Mn	55	94.404858	899671.7	ug/L	1.985					
Fe	56	175.20002	2803424	ug/L	1.211					
Fe	57	118.96603	23963.94	ug/L	0.864					
Co	59	95.380605	654628.7	ug/L	0.798					
Ni	60	95.166595	140150.8	ug/L	0.547					
Ni	62	94.754435	21314.5	ug/L	0.493					
Cu	63	93.133998	324036.5	ug/L	0.447					
Zn	64	93.100732	157333.4	ug/L	0.35					
Cu	65	95.288337	160532.9	ug/L	0.039					
Zn	66	91.675719	92765.49	ug/L	0.134					
Zn	68	91.239398	65690.27	ug/L	3.185					
Ge	72	115980.48		ug/L						
As	75	103.71813	117199.5	ug/L	0.123					
Se	74	10.008429	10238.58	mg/L	49.221					
ArCl	77	8729.944		ug/L						

Br	79	1612.493	ug/L						
Br	81	14624.568	ug/L						
Y	89	310248.17	ug/L						
Mo	95	96.471984	278481.3	ug/L	3.887				
Rh	103	309917.29	ug/L						
Ag	107	79.393757	684442.6	ug/L	0.042				
Ag	109	84.166945	706052	ug/L	2.358				
Cd	111	97.24707	222733.9	ug/L	2.171				
Cd	114	96.767953	521775.3	ug/L	0.582				
In	115	422683.16	ug/L						
Sb	121	98.242733	702729.2	ug/L	5.081				
Sb	123	97.145356	532486.9	ug/L	5.528				
Ba	137	97.319591	376840.4	ug/L	1.628				
Ba	138	106.59614	2617636	ug/L	2.637				
Tb	159	498666.55	ug/L						
Ho	165	475924.04	ug/L						
Hg	200	1.06063	1783.193	ug/L	0				
Hg	202	1.091838	2415.012	ug/L	0.031				
Tl	205	118.22087	2421435	ug/L	2.853				
Pb	208	99.246651	2842222	ug/L	0.938				
Bi	209	362544.83	ug/L						
Se	77	91.650695	8548.022	mg/L	4.706				
Se	78	87.320431	38248.87	mg/L	4.646				
Se	82	94.310001	12205.28	mg/L	1.059				

QC	Calculated Values							
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	94.776							
|	B	100.659							
|	B	100.958							
|	C								
|	Na	112.907							
|	Mg	113.419							
|	Mg	113.255							
|	Al	109.121							
|	Si								
|	P								
|	S								
|	Cl								
|	K	124.866							
|	Ca	48.853							
|>	Sc	93.784							
|	Ti	100.948							
|	Ti	102.742							
|	V	93.713							
|	ClO								
|	Cr	96.527							

	Cr	94.188
	Fe	102.996
	Mn	94.029
	Fe	174.155
	Fe	118.256
	Co	94.812
	Ni	94.411
	Ni	94.002
	Cu	93.227
	Zn	92.454
	Cu	95.384
	Zn	91.038
-	Zn	90.605
>	Ge	88.617
	As	104.344
	Se	9.988
	ArCl	
	Br	
	Br	
	Y	
-	Mo	96.183
-	Rh	
	Ag	78.764
	Ag	83.499
	Cd	96.763
	Cd	96.287
>	In	91.096
	Sb	97.949
	Sb	96.855
	Ba	96.643
-	Ba	105.855
-	Tb	
>	Ho	87.144
	Hg	106.063
	Hg	109.184
	Tl	118.221
	Pb	99.247
-	Bi	
	Se	91.468
	Se	87.146
	Se	94.122

Sample ID: QC Std 5
Sample Date/Time: Wednesday August 31 2011 18:55:21
Autosampl Position: 7
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 5.19076
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6767.852		ug/L						
Be	9	41.859207	9243.123	ug/L	2.268					
B	10	169.93421	8327.23	ug/L	10.528					
B	11	165.85167	38428.82	ug/L	11.041					
C	12	384467.08		ug/L						
Na	23	8.212276	52278.49	ug/L	0.048					
Mg	24	1.019896	3214.243	ug/L	0.306					
Mg	25	1.220915	513.4	ug/L	0.435					
Al	27	197.42542	769713.6	ug/L	12.711					
Si	28	82904.573		ug/L						
P	31	-6.357939	5685.7	ug/L	3.68					
S	32	68372566		ug/L						
Cl	35	6576807.1		ug/L						
K	39	1.492112	672521	ug/L	2.732					
Ca	44	-63.241448	20488.44	ug/L	5.197					
Sc	45	119325.08		ug/L						
Ti	47	0.284233	286.341	ug/L	0.026					
Ti	48	0.493676	283.251	ug/L	0.055					
V	51	23.905322	186970.5	ug/L	1.231					
ClO	51	189874.46		ug/L						
Cr	52	47.390051	279598.4	ug/L	2.04					
Cr	53	47.056871	39656.71	ug/L	2.322					
Fe	54	194.90081	113600.5	ug/L	9.261					
Mn	55	100.89407	950772.2	ug/L	2.385					
Fe	56	263.97855	3390699	ug/L	19.152					
Fe	57	202.28567	36152.02	ug/L	9.164					
Co	59	22.47227	152589.8	ug/L	0.667					
Ni	60	193.57914	281836.2	ug/L	5.586					
Ni	62	189.51134	42118.76	ug/L	6.073					
Cu	63	71.940137	247410.5	ug/L	4.306					
Zn	64	94.105943	157191.9	ug/L	4.734					
Cu	65	72.582195	120861	ug/L	4.463					
Zn	66	93.818474	93818.37	ug/L	5.389					
Zn	68	96.946085	68966.69	ug/L	5.218					
Ge	72	113170.73		ug/L						
As	75	44.616206	49198.13	ug/L	2.054					
Se	74	97.395095	14466.66	mg/L	46.742					
ArCl	77	13178.347		ug/L						

Br	79	1612.826	ug/L			
Br	81	12601.862	ug/L			
Y	89	302950.89	ug/L			
Mo	95	41.450655	116809.1	ug/L	1.636	
Rh	103	298805.73	ug/L			
Ag	107	47.915885	397760.6	ug/L	2.374	
Ag	109	47.433173	383144	ug/L	2.349	
Cd	111	22.521372	49673.5	ug/L	0.912	
Cd	114	22.90412	118928	ug/L	0.964	
In	115	407252.03	ug/L			
Sb	121	54.31244	374211.3	ug/L	2.837	
Sb	123	54.271766	286492.1	ug/L	3.201	
Ba	137	141.79823	528474.9	ug/L	6.642	
Ba	138	154.7843	3657620	ug/L	8.902	
Tb	159	489930.19	ug/L			
Ho	165	475402.43	ug/L			
Hg	200	1.067067	1791.861	ug/L	0.003	
Hg	202	1.063253	2347.66	ug/L	0.054	
Tl	205	14.504527	296895.3	ug/L	0.241	
Pb	208	101.65633	2905587	ug/L	4.635	
Bi	209	375750.4	ug/L			
Se	77	142.37929	13023.99	mg/L	3.36	
Se	78	134.26022	52131.45	mg/L	2.952	
Se	82	143.74611	18587.02	mg/L	2.065	

QC Calculated Values

	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be	98.261							
|	B	106.209							
|	B	103.657							
|	C								
|	Na								
|	Mg								
|	Mg								
|	Al	112.174							
|	Si								
|	P								
|	S								
|	Cl								
|	K								
|	Ca								
|>	Sc	92.779							
|	Ti								
|	Ti								
|	V	96.005							
|	ClO								
|	Cr	96.321							

	Cr	95.644
	Fe	108.883
	Mn	95.183
	Fe	147.474
	Fe	113.009
	Co	96.448
	Ni	94.892
	Ni	92.898
	Cu	91.995
	Zn	89.625
	Cu	92.816
	Zn	89.351
-	Zn	92.33
>	Ge	86.47
	As	113.239
	Se	60.872
	ArCl	
	Br	
	Br	
	Y	
-	Mo	98.928
-	Rh	
	Ag	95.26
	Ag	94.301
	Cd	97.075
	Cd	98.725
>	In	87.77
	Sb	116.801
	Sb	116.713
	Ba	100.566
-	Ba	109.776
-	Tb	
>	Ho	87.048
	Hg	106.707
	Hg	106.325
	Tl	102.145
	Pb	97.746
-	Bi	
	Se	88.987
	Se	83.913
	Se	89.841

Sample ID: QC Std 6
Sample Date/Time: Wednesday August 31 2011 19:02:16
Autosampl Position: 8
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\ Std 6.19077
Concentrat Results

Analyte	Mass	Conc.	Mean	Meas.	Intens.	Mean	Report	Unit	Conc.	SD
Li	6	6618.409		ug/L						
Be	9	0.020469	9.333	ug/L	0.012					
B	10	1.108566	115.669	ug/L	0.337					
B	11	1.098298	537.355	ug/L	0.05					
C	12	377937.01		ug/L						
Na	23	10931.094	47501650	ug/L	91.679					
Mg	24	10959.66	30669288	ug/L	188.344					
Mg	25	10966.081	4393196	ug/L	34.861					
Al	27	11279.298	49807022	ug/L	46.115					
Si	28	47032.735		ug/L						
P	31	12452.542	2658760	ug/L	258.412					
S	32	62975415		ug/L						
Cl	35	5828149.3		ug/L						
K	39	10833.448	68457151	ug/L	498.203					
Ca	44	10285.215	1936722	ug/L	397.687					
Sc	45	135570.14		ug/L						
Ti	47	21.692375	12237.35	ug/L	0.507					
Ti	48	9.12846	50980.38	ug/L	0.013					
V	51	-0.306855	19203.79	ug/L	0.005					
ClO	51	20033.249		ug/L						
Cr	52	-0.13572	5074.58	ug/L	0.015					
Cr	53	-1.009378	6234.199	ug/L	0.187					
Fe	54	10742.572	4853368	ug/L	695.89					
Mn	55	0.074978	1967.568	ug/L	0.026					
Fe	56	10750.885	86986157	ug/L	103.792					
Fe	57	10196.203	1739660	ug/L	329.074					
Co	59	0.035264	393.012	ug/L	0.003					
Ni	60	0.222449	433.015	ug/L	0.004					
Ni	62	0.092686	60.001	ug/L	0.034					
Cu	63	0.174248	852.048	ug/L	0.007					
Zn	64	0.648009	2198.334	ug/L	0.004					
Cu	65	0.134799	310.342	ug/L	0					
Zn	66	0.59108	1228.762	ug/L	0.002					
Zn	68	0.61325	953.393	ug/L	0.015					
Ge	72	114164.39		ug/L						
As	75	0.077619	91.153	ug/L	0.013					
Se	74	-32.383236	7866.975	mg/L	110.187					
ArCl	77	416.68		ug/L						

Br	79	1796.53	ug/L						
Br	81	13148.967	ug/L						
Y	89	308899.82	ug/L						
Mo	95	0.407815	1245.765	ug/L	0.045				
Rh	103	291720.01	ug/L						
Ag	107	0.491124	4508.839	ug/L	0.051				
Ag	109	0.466297	4171.34	ug/L	0.048				
Cd	111	0.015068	50.667	ug/L	0.003				
Cd	114	0.011856	115.669	ug/L	0.001				
In	115	406909.68	ug/L						
Sb	121	1.194456	8960.847	ug/L	0.042				
Sb	123	1.1806	6777.727	ug/L	0.024				
Ba	137	0.063646	293.674	ug/L	0.004				
Ba	138	0.062674	1718.102	ug/L	0.002				
Tb	159	482391.99	ug/L						
Ho	165	460830.02	ug/L						
Hg	200	0.01218	34	ug/L	0.004				
Hg	202	0.016855	51.334	ug/L	0				
Tl	205	0.012412	476.017	ug/L	0.003				
Pb	208	0.049462	1828.422	ug/L	0.001				
Bi	209	374168.21	ug/L						
Se	77	-0.226682	441.344	mg/L	0.15				
Se	78	-5.225085	10878.25	mg/L	0.707				
Se	82	-0.153725	10.905	mg/L	0.045				

QC	Calculated Values								
	Analyte	QC	Std	%	Recovery	Int	Std	%	Recovery
|-	Li								
|	Be								
|	B								
|	B								
|	C								
|	Na	109.311							
|	Mg	109.597							
|	Mg	109.661							
|	Al	112.793							
|	Si								
|	P	124.525							
|	S								
|	Cl								
|	K	108.334							
|	Ca	102.852							
|>	Sc	105.41							
|	Ti								
|	Ti								
|	V								
|	ClO								
|	Cr								

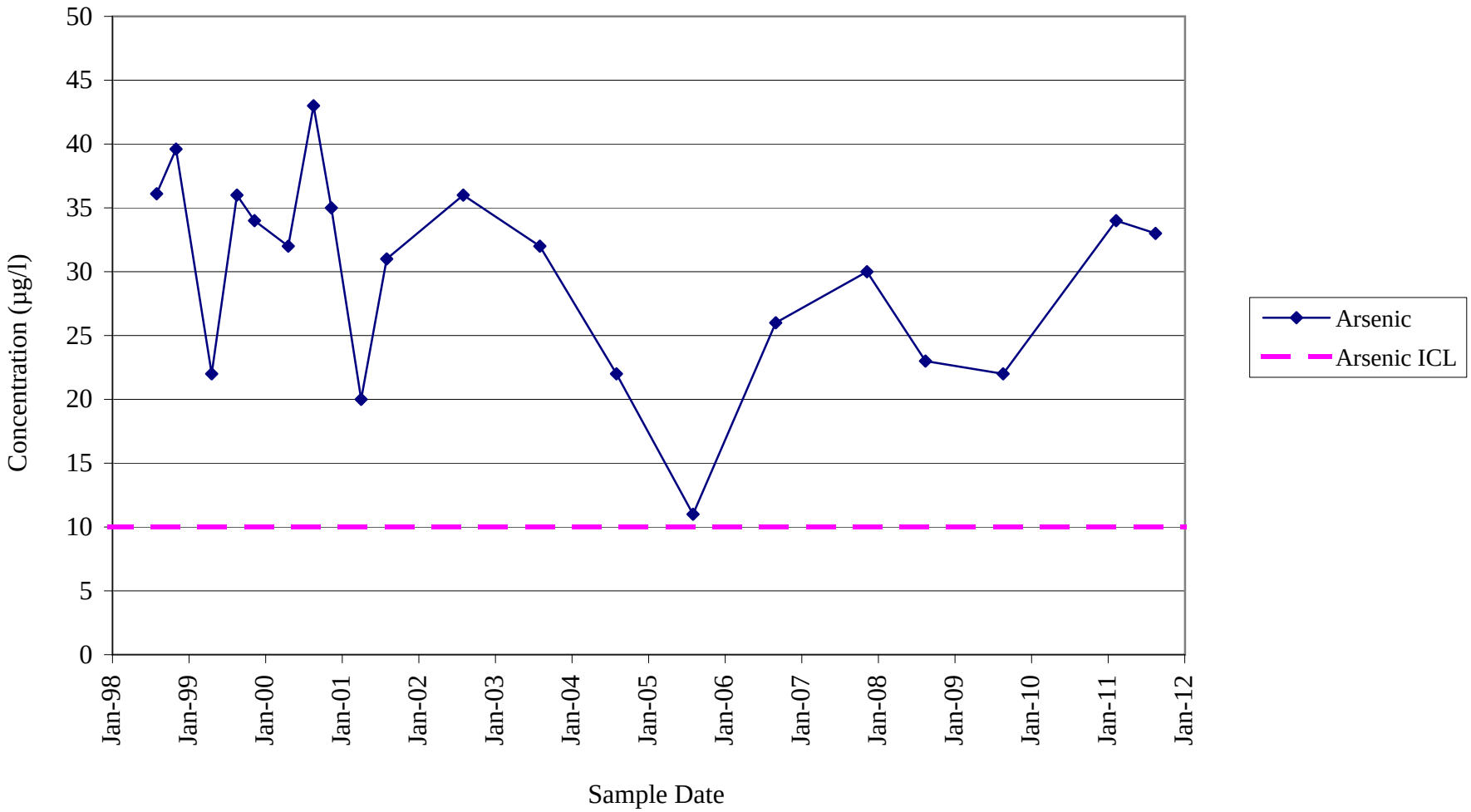
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|	Fe	107.426
|	Mn	
|	Fe	107.509
|	Fe	101.962
|	Co	
|	Ni	
|	Ni	
|	Cu	
|	Zn	
|	Cu	
|	Zn	
|-	Zn	
|>	Ge	87.23
|	As	
|	Se	
|	ArCl	
|	Br	
|	Br	
|	Y	
|-	Mo	
|-	Rh	
|	Ag	
|	Ag	
|	Cd	
|	Cd	
|>	In	87.697
|	Sb	
|	Sb	
|	Ba	
|-	Ba	
|-	Tb	
|>	Ho	84.38
|	Hg	
|	Hg	
|	Tl	
|	Pb	
|-	Bi	
	Se	
	Se	
	Se	

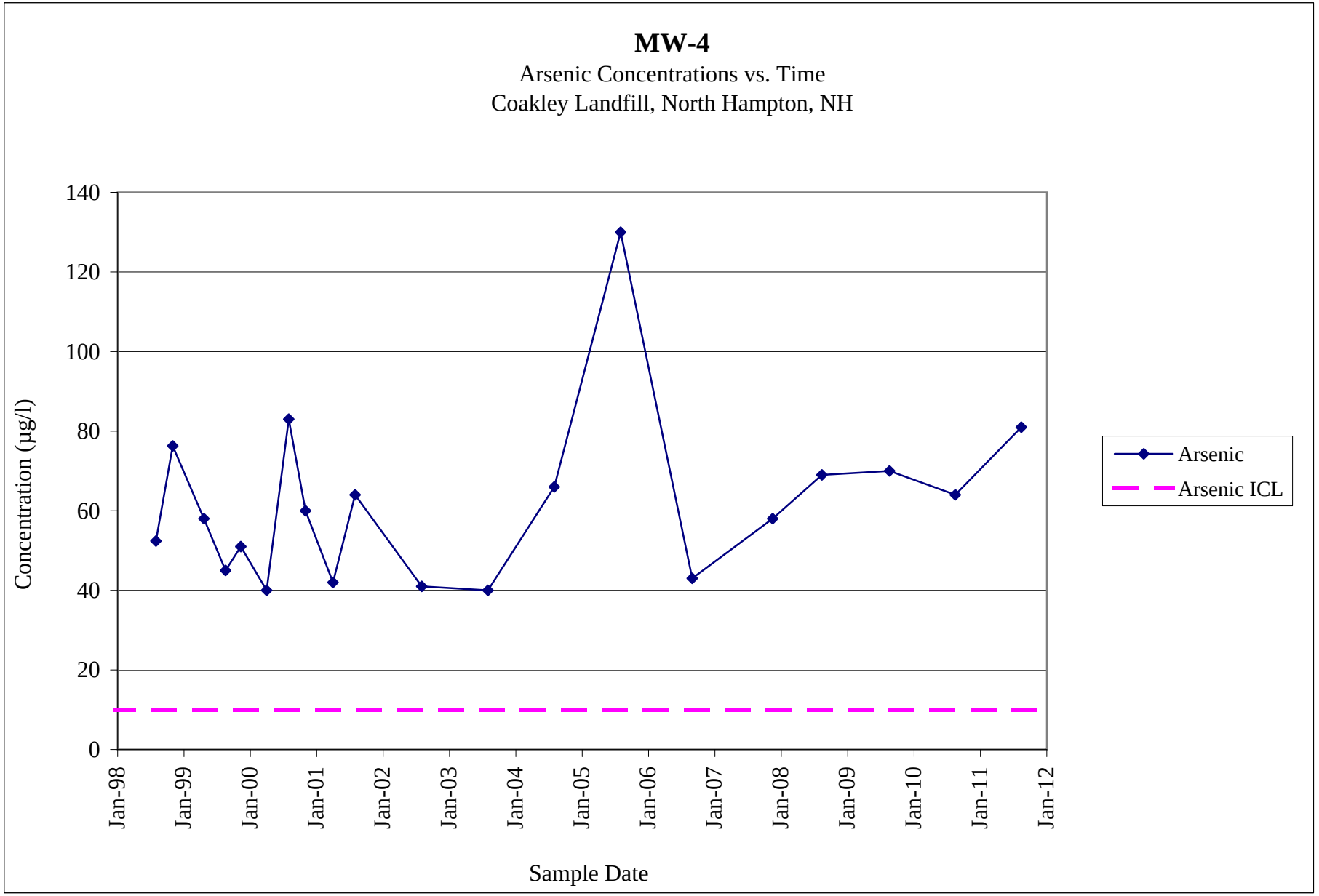
SECTION 4

BP-4

Arsenic Concentrations vs. Time

Coakley Landfill, North Hampton, NH

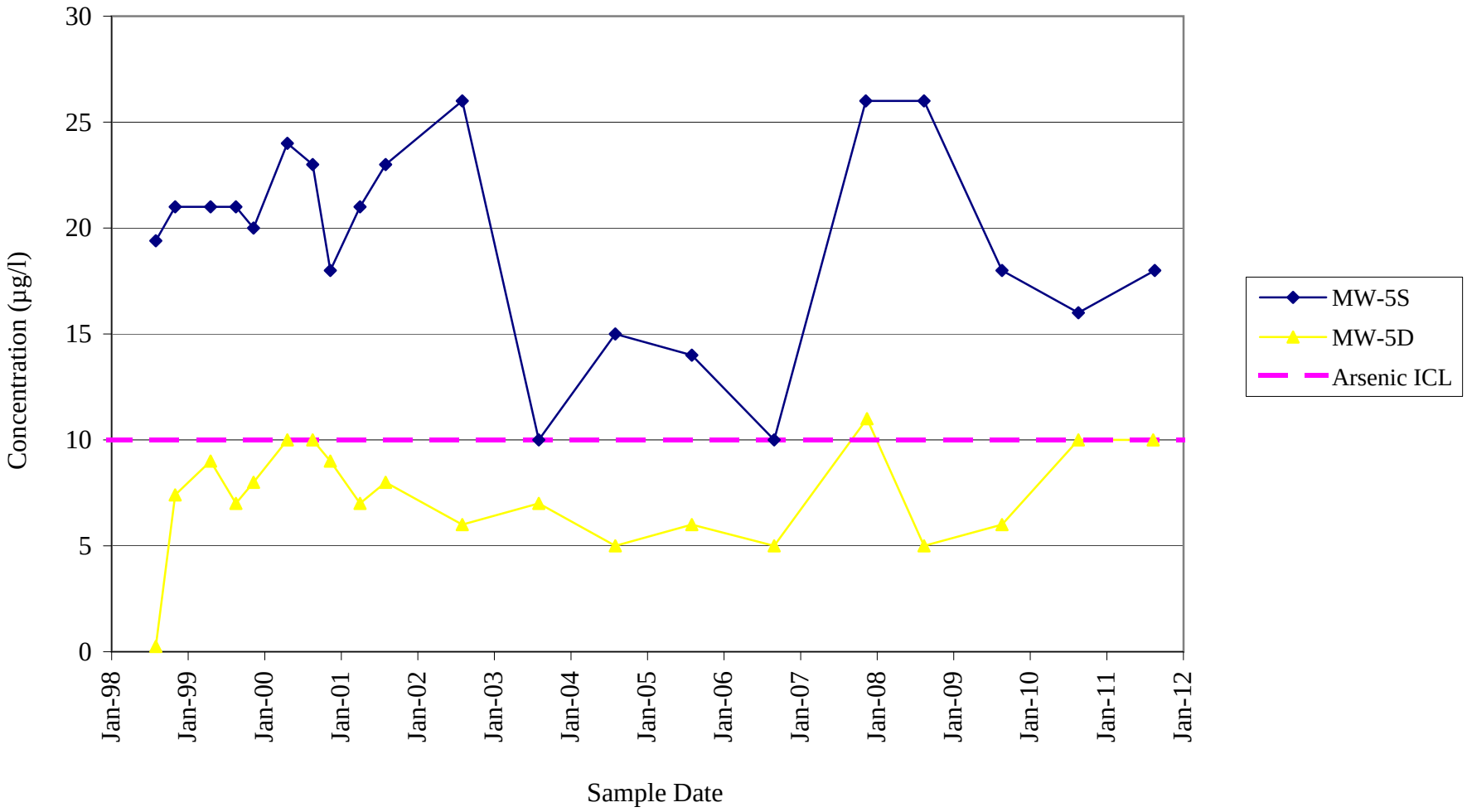


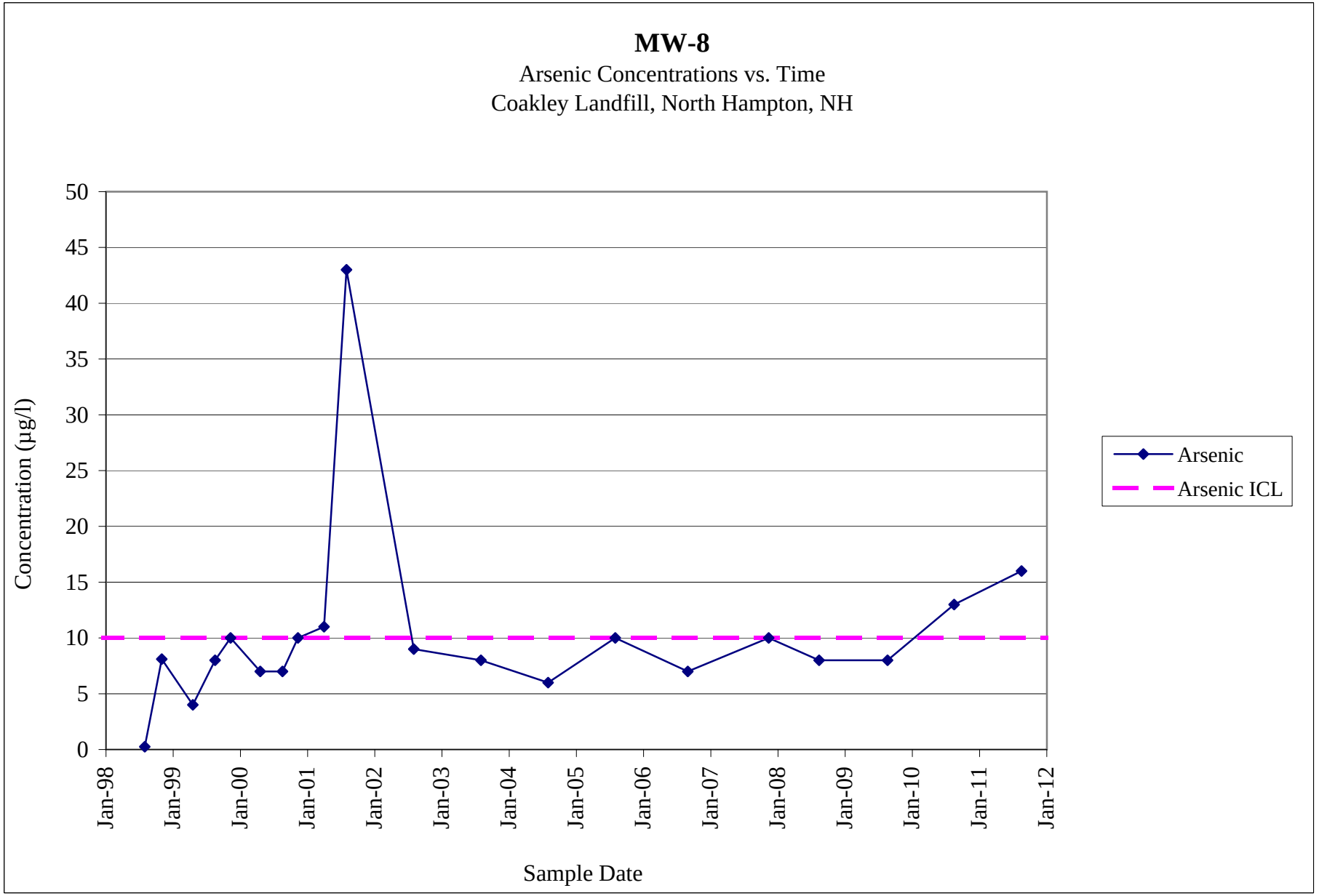

MW-4
Arsenic Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
140
120
100
80
60
40
20
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Arsenic
Arsenic ICL

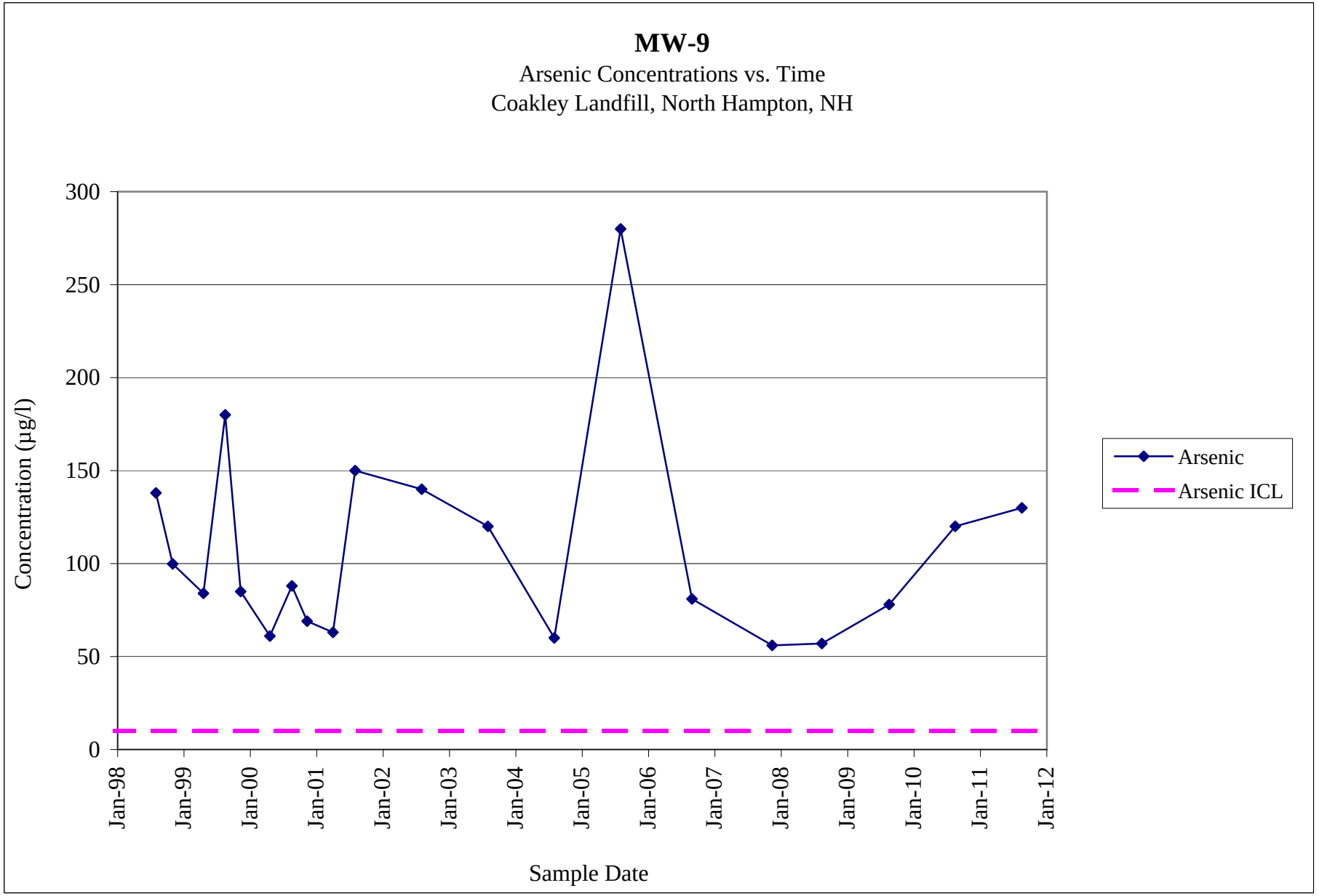
MW-5S & MW-5D

Arsenic Concentrations vs. Time

Coakley Landfill, North Hampton, NH



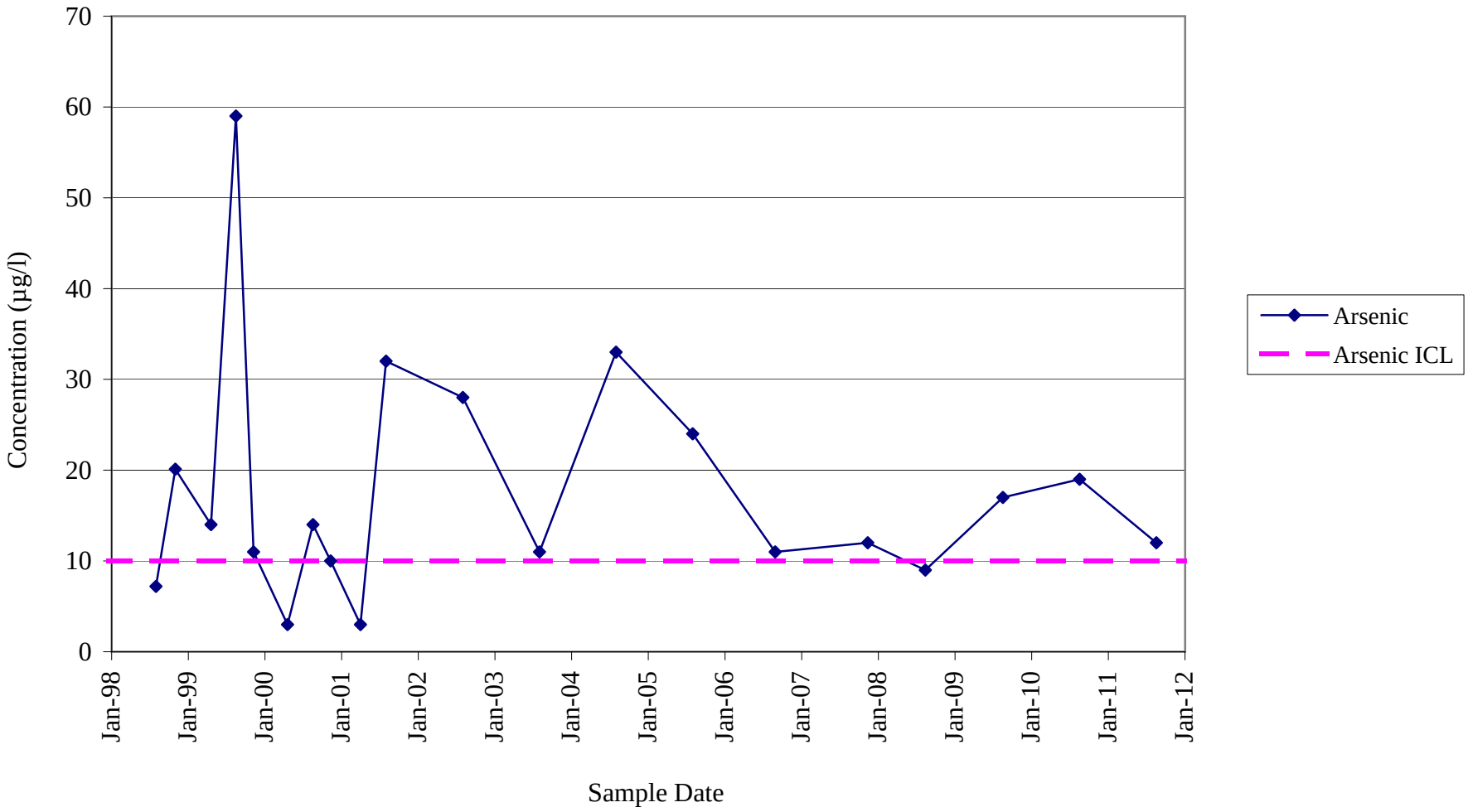

MW-8
Arsenic Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
50
45
40
35
30
25
20
15
10
5
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Arsenic
Arsenic ICL


MW-9
Arsenic Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
300
250
200
150
100
50
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Arsenic
Arsenic ICL

MW-10

Arsenic Concentrations vs. Time

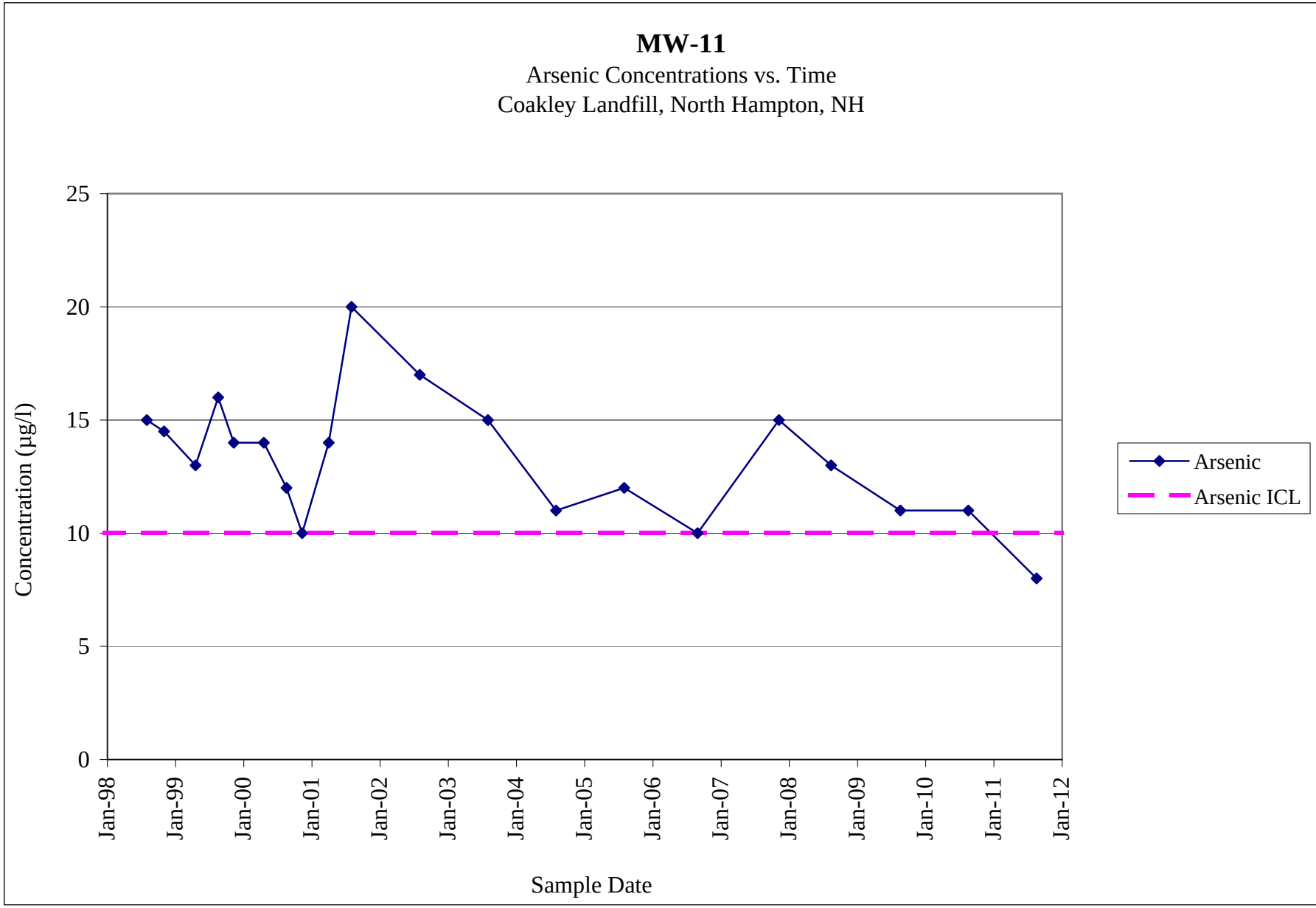
Coakley Landfill, North Hampton, NH

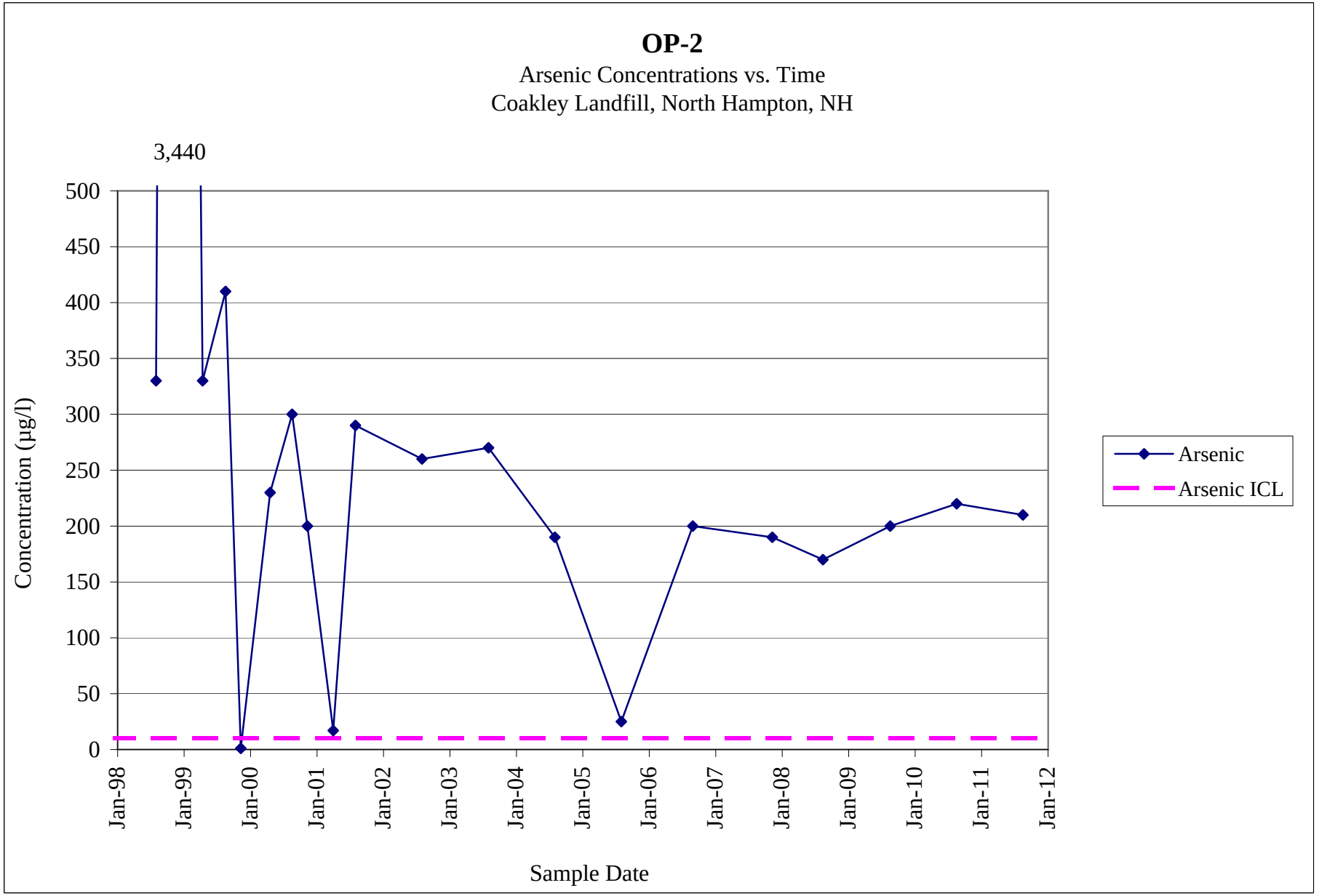


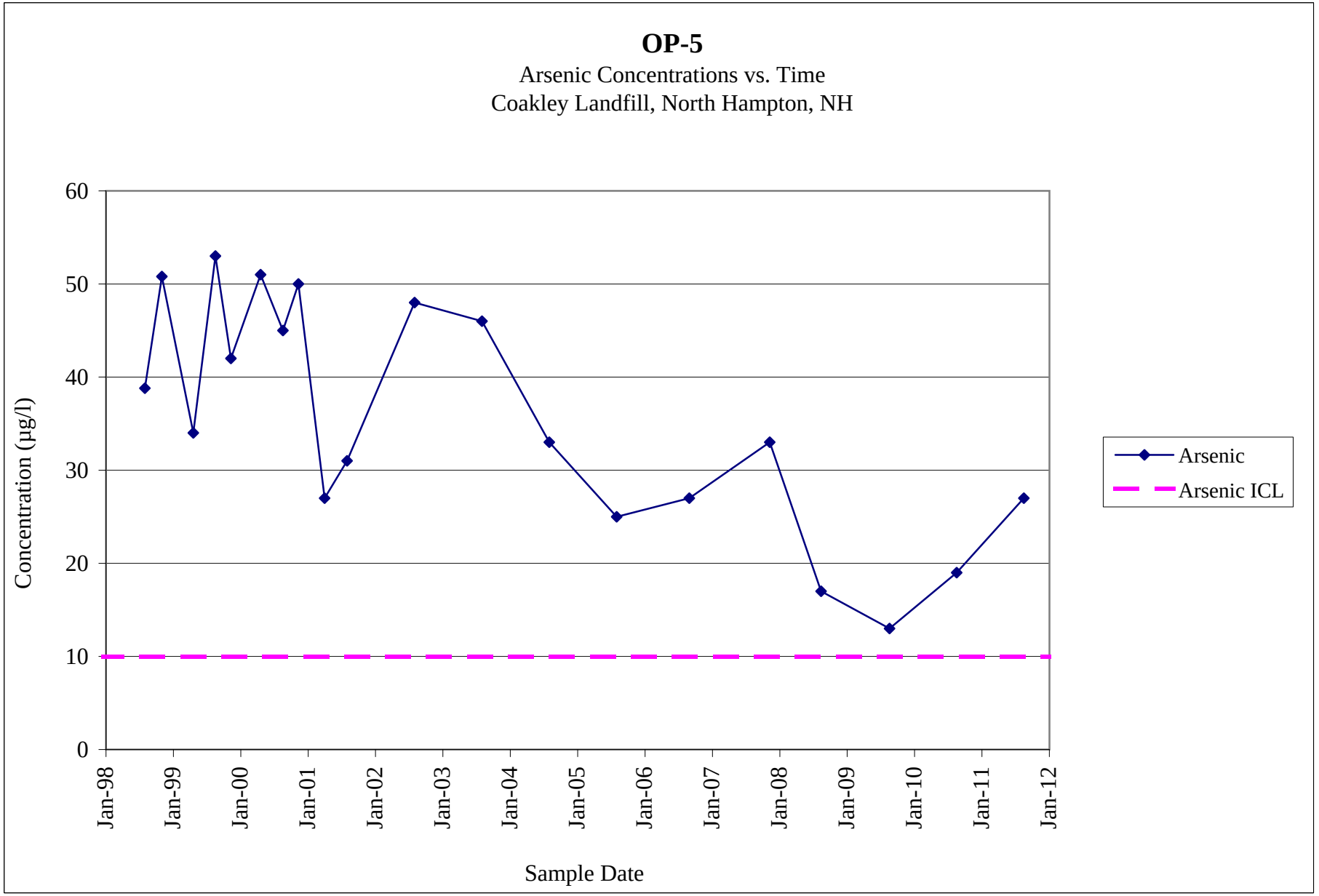
MW-11

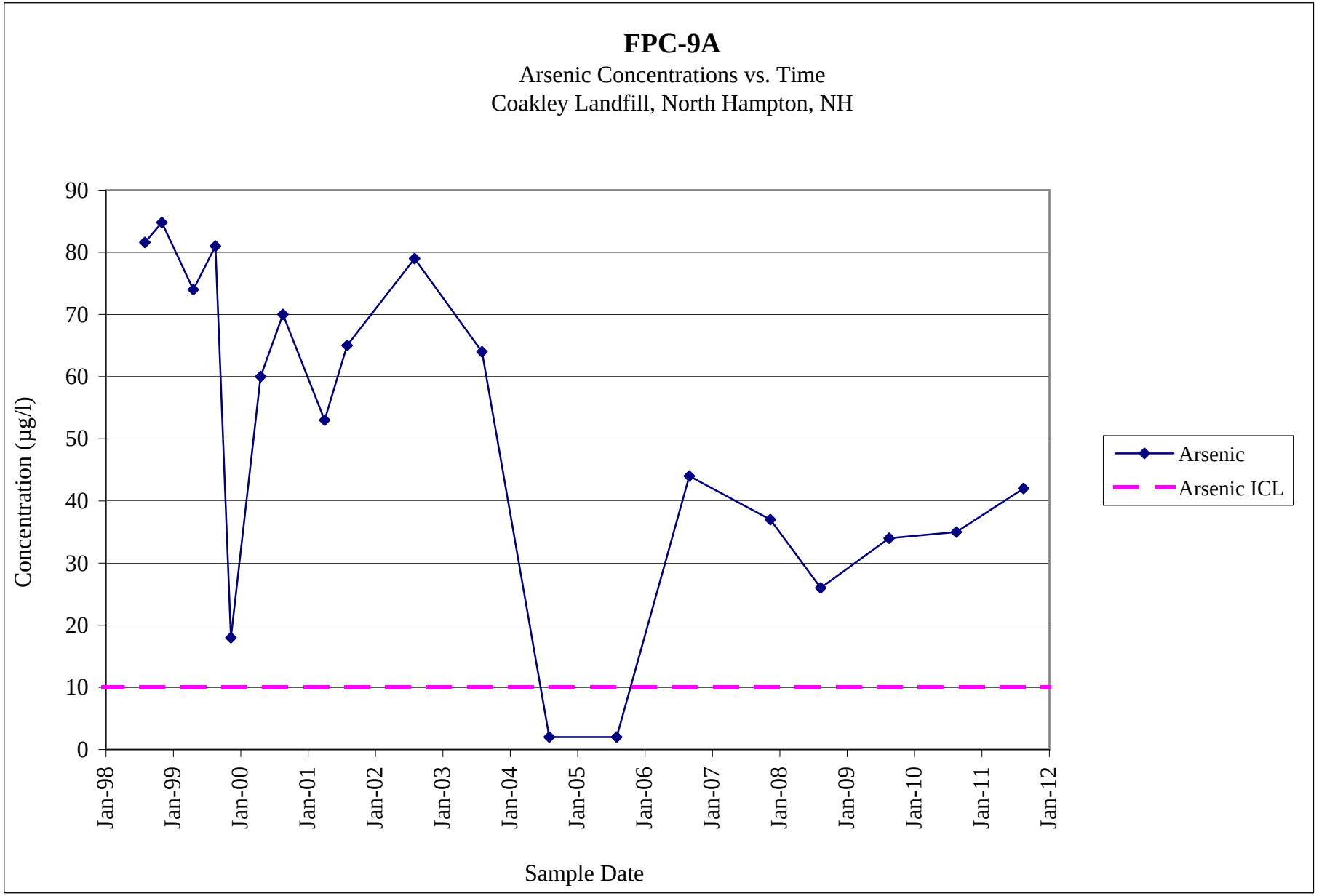
Arsenic Concentrations vs. Time

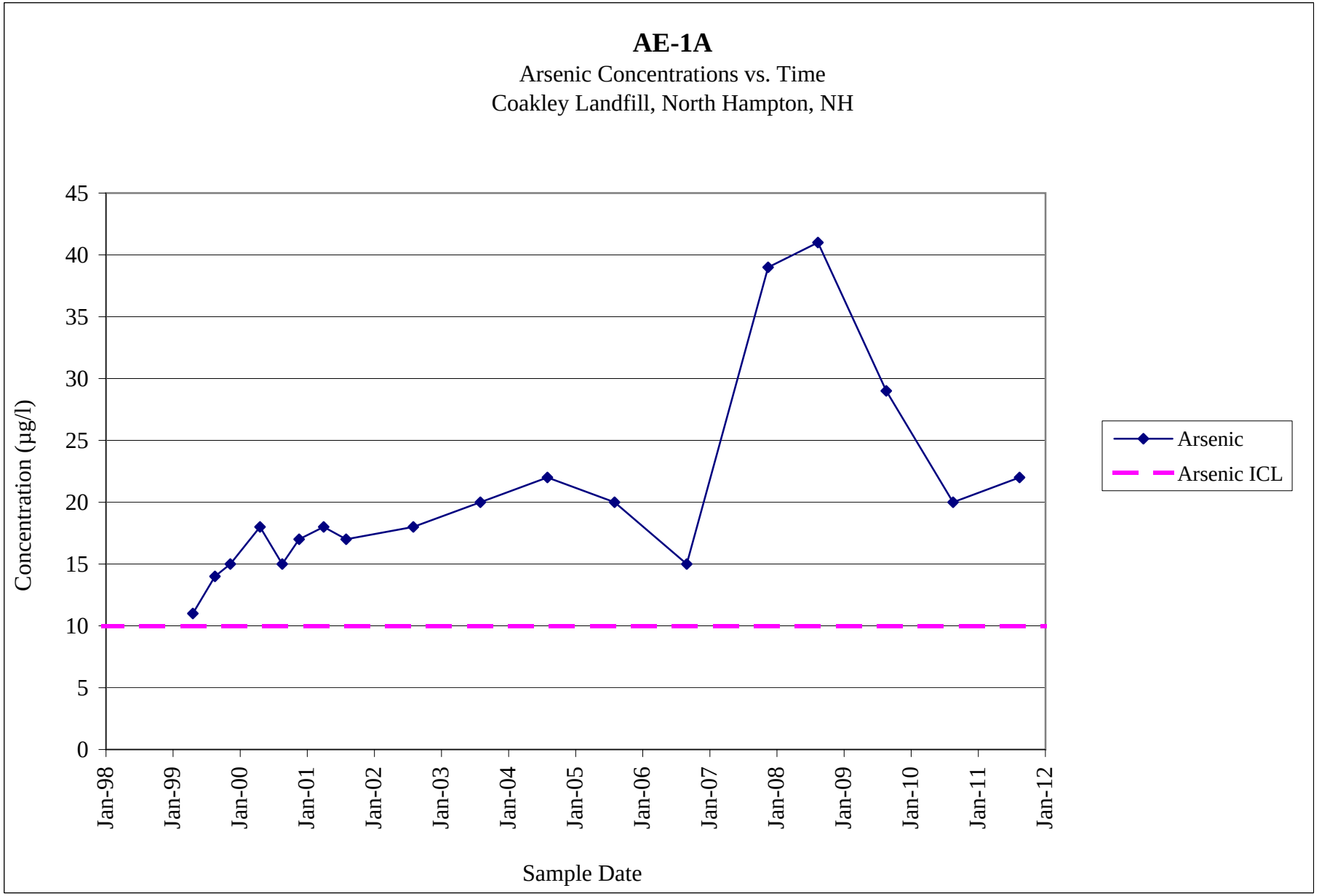
Coakley Landfill, North Hampton, NH

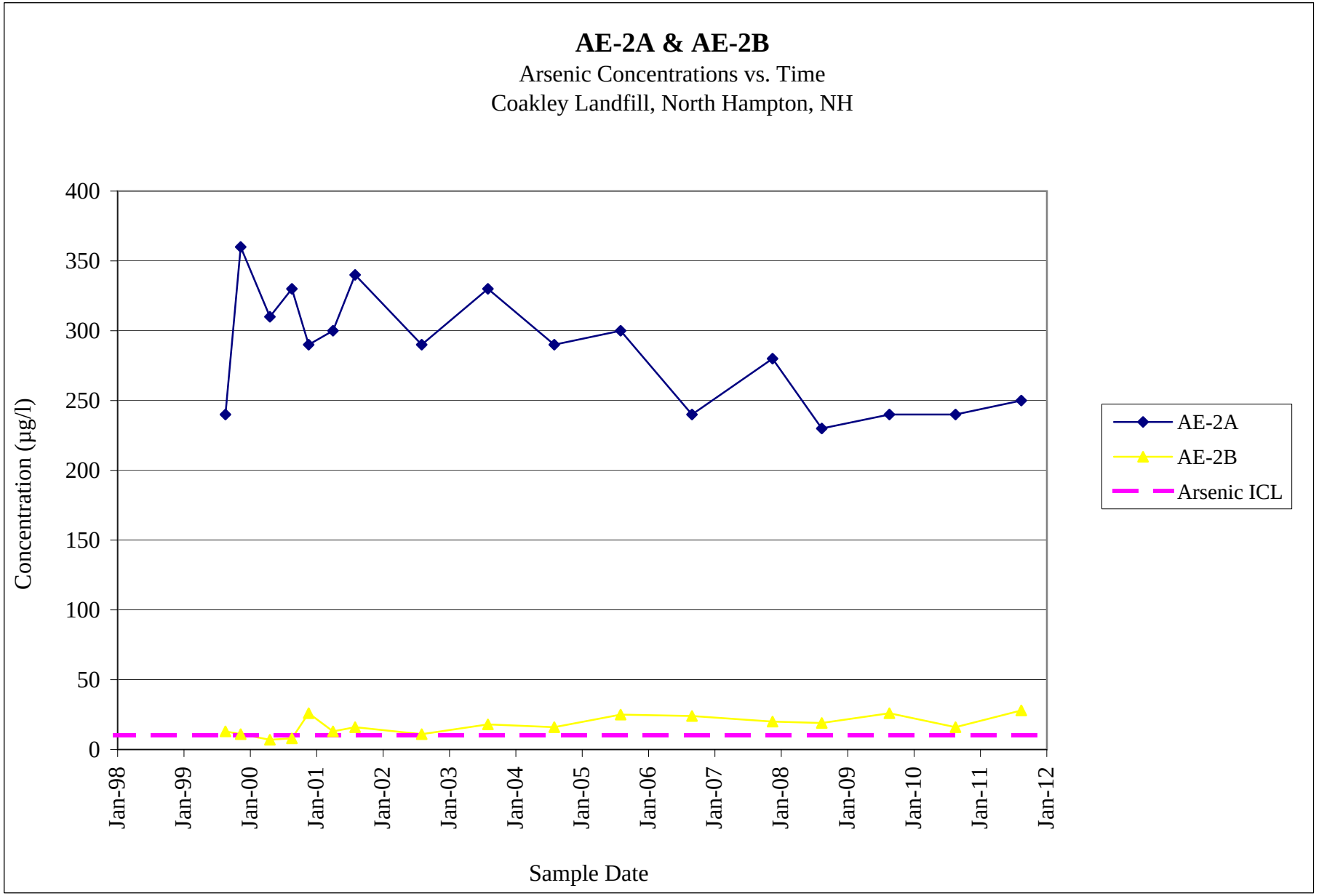


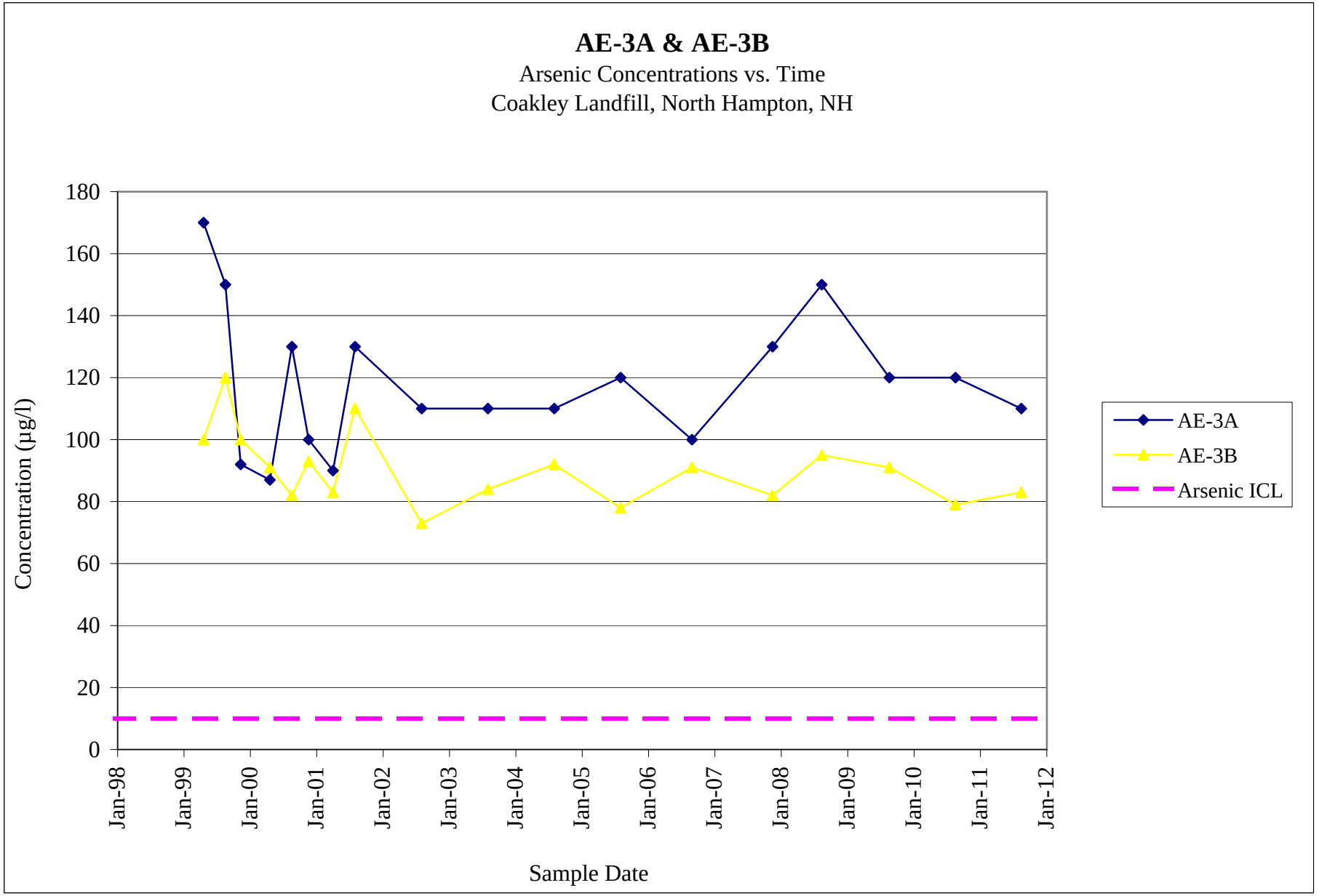

OP-2
Arsenic Concentrations vs. Time
Coakley Landfill, North Hampton, NH
3,440
Concentration (µg/l)
500
450
400
350
300
250
200
150
100
50
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Arsenic
Arsenic ICL


OP-5
Arsenic Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
60
50
40
30
20
10
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Arsenic
Arsenic ICL


FPC-9A
Arsenic Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
90
80
70
60
50
40
30
20
10
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Arsenic
Arsenic ICL


AE-1A
Arsenic Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
45
40
35
30
25
20
15
10
5
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Arsenic
Arsenic ICL

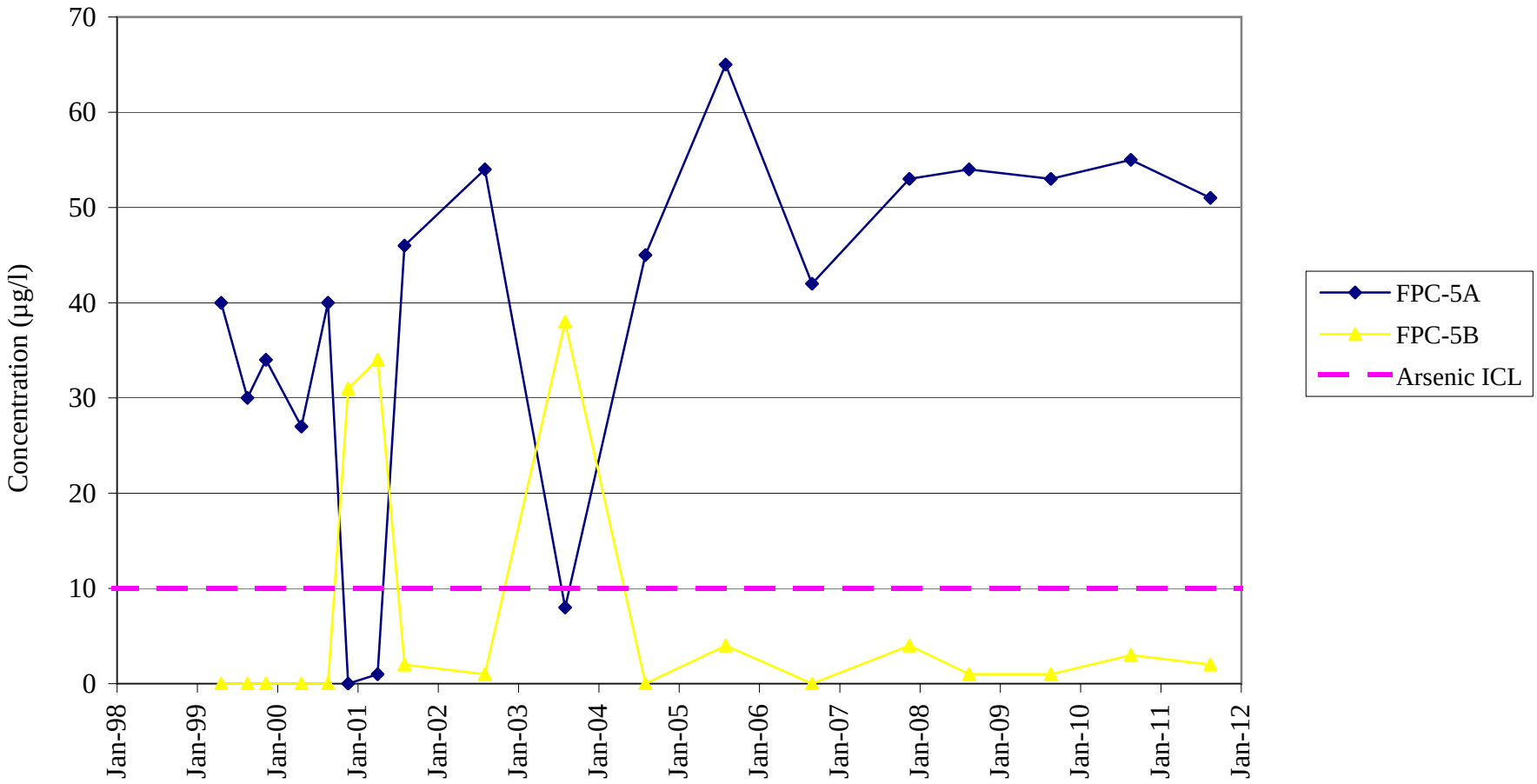

AE-2A & AE-2B
Arsenic Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
400
350
300
250
200
150
100
50
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
AE-2A
AE-2B
Arsenic ICL


AE-3A & AE-3B
Arsenic Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
180
160
140
120
100
80
60
40
20
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
AE-3A
AE-3B
Arsenic ICL

FPC-5A & FPC-5B

Arsenic Concentrations vs. Time

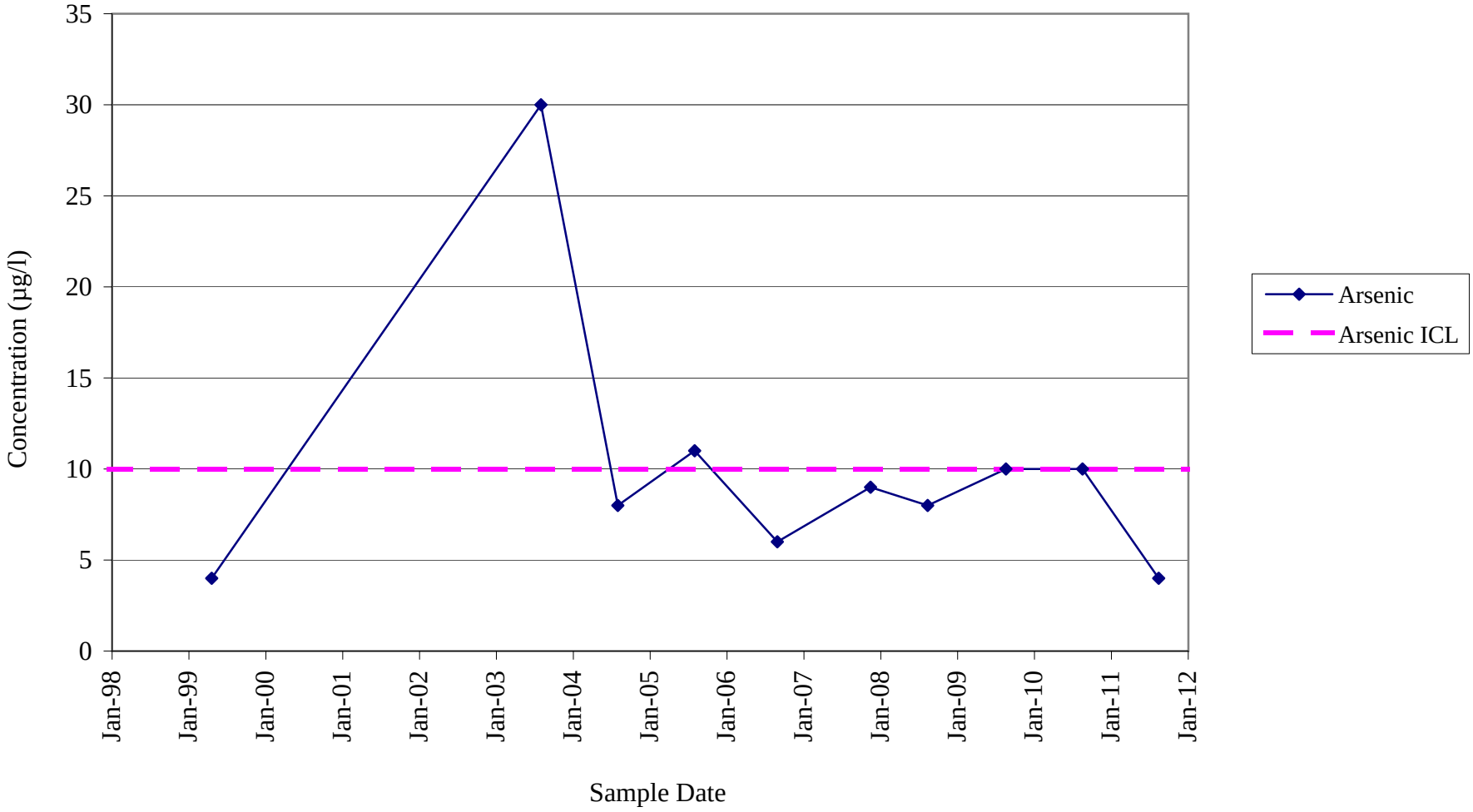
Coakley Landfill, North Hampton, NH



FPC-11B

Arsenic Concentrations vs. Time

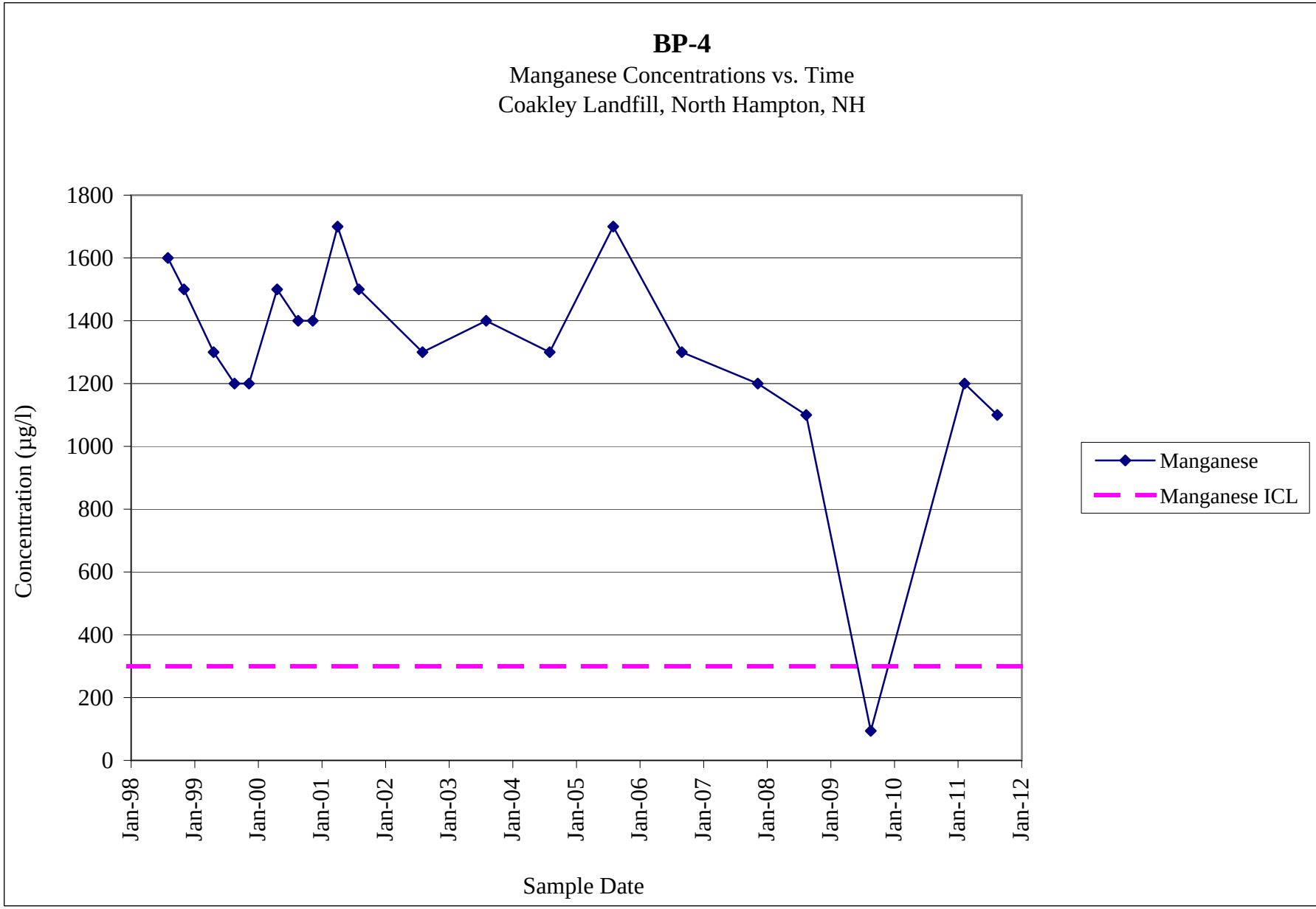
Coakley Landfill, North Hampton, NH

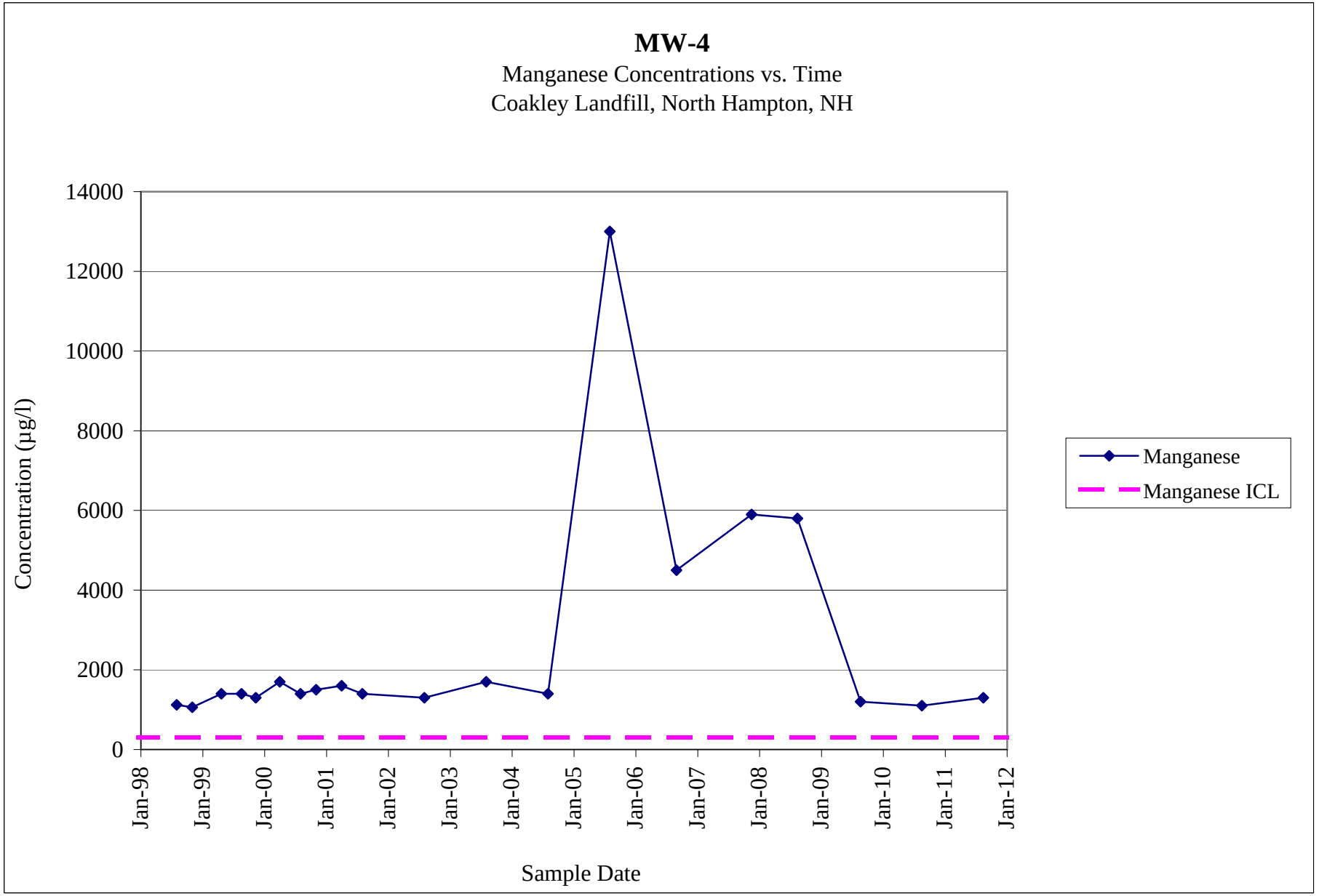


BP-4

Manganese Concentrations vs. Time

Coakley Landfill, North Hampton, NH

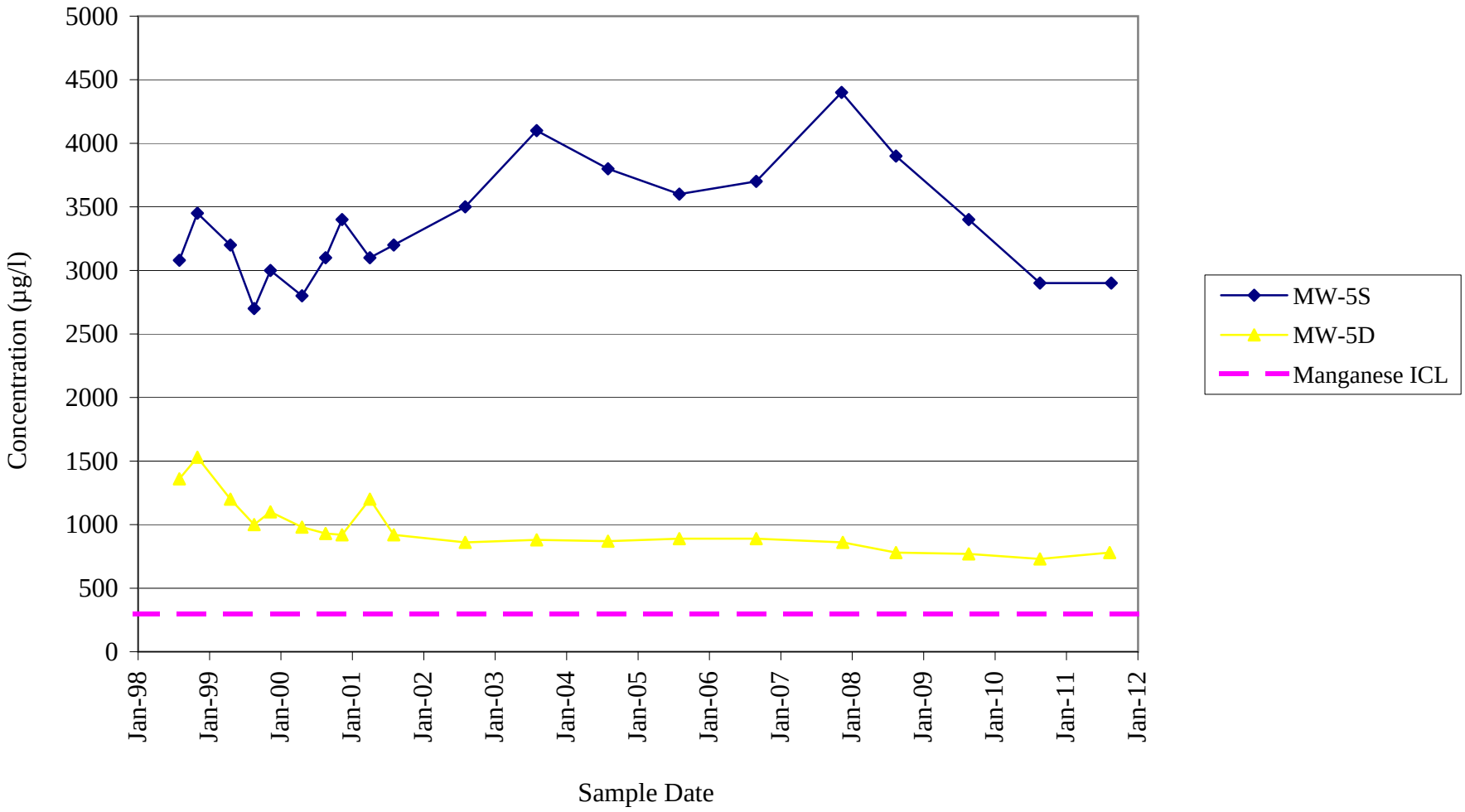



MW-4
Manganese Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
14000
12000
10000
8000
6000
4000
2000
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Manganese
Manganese ICL

MW-5S & MW-5D

Manganese Concentrations vs. Time

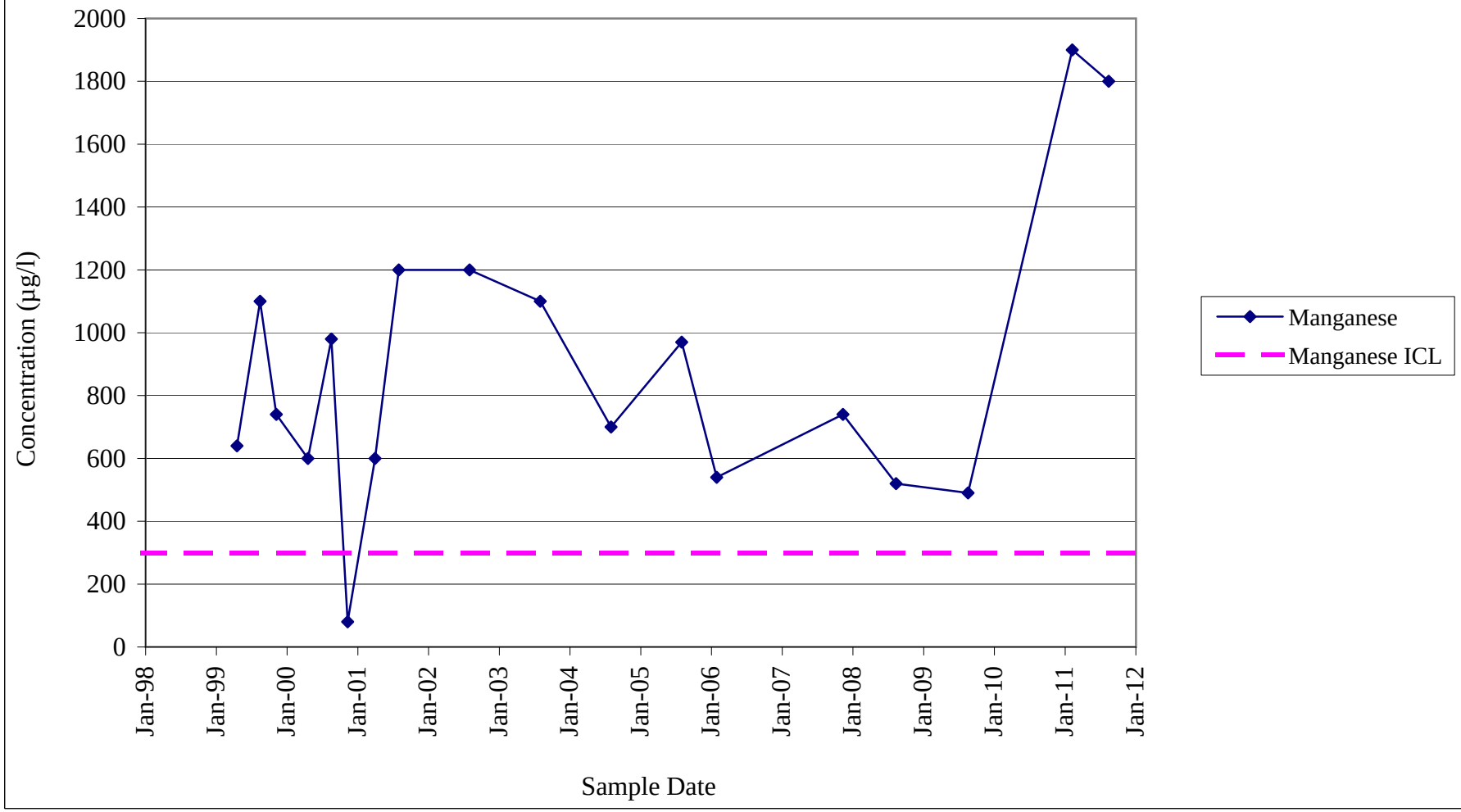
Coakley Landfill, North Hampton, NH



MW-6

Manganese Concentrations vs. Time

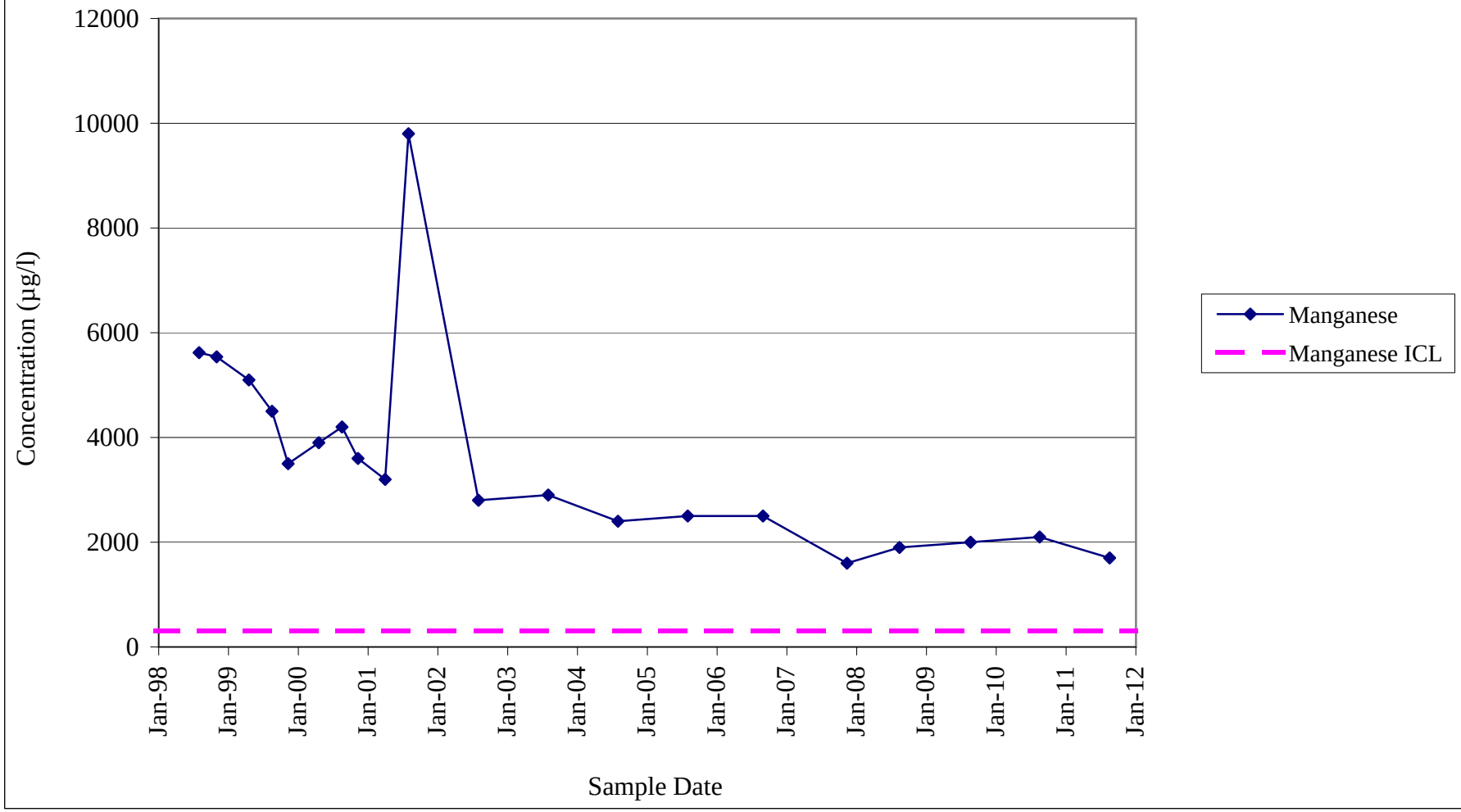
Coakley Landfill, North Hampton, NH



MW-8

Manganese Concentrations vs. Time

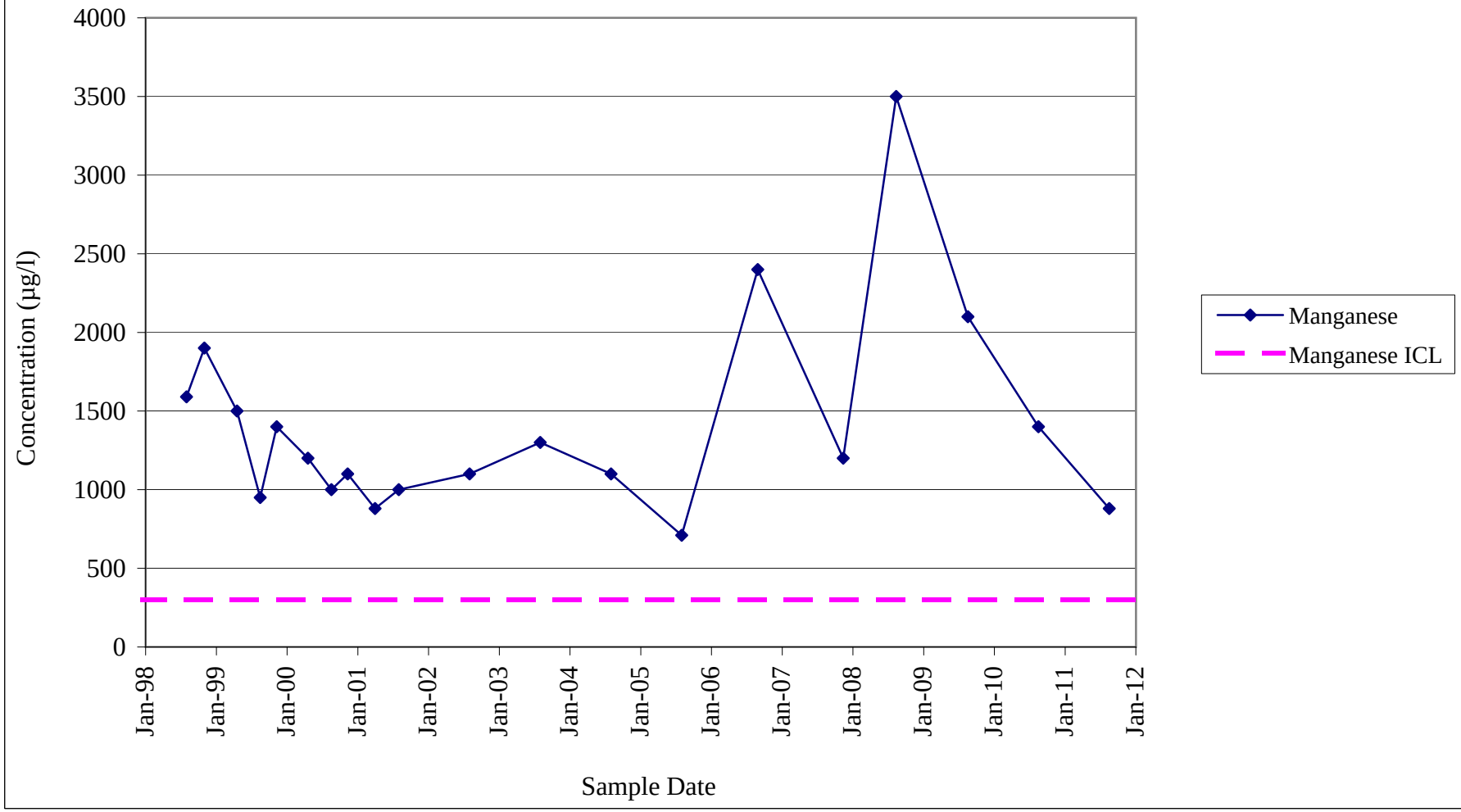
Coakley Landfill, North Hampton, NH

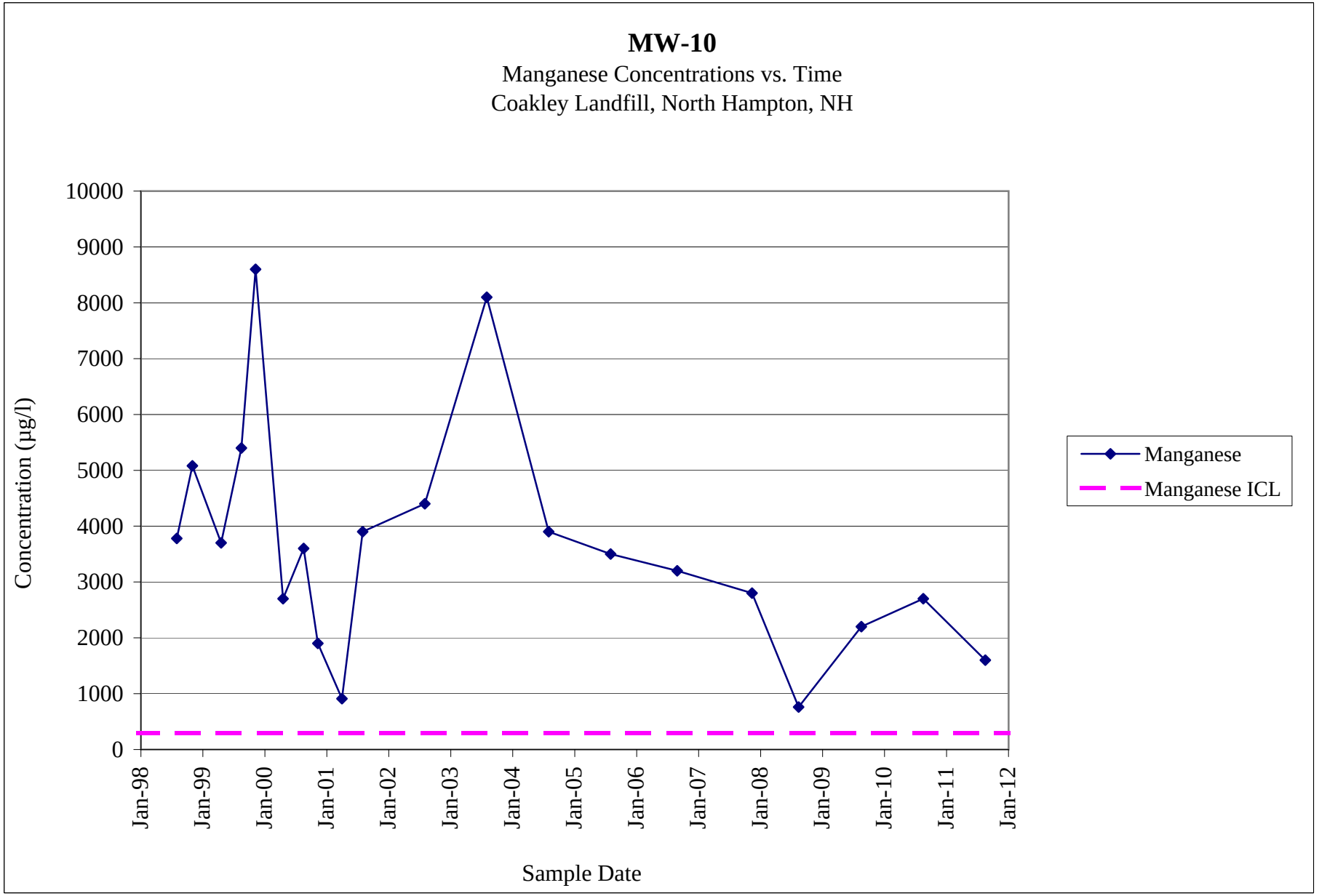


MW-9

Manganese Concentrations vs. Time

Coakley Landfill, North Hampton, NH

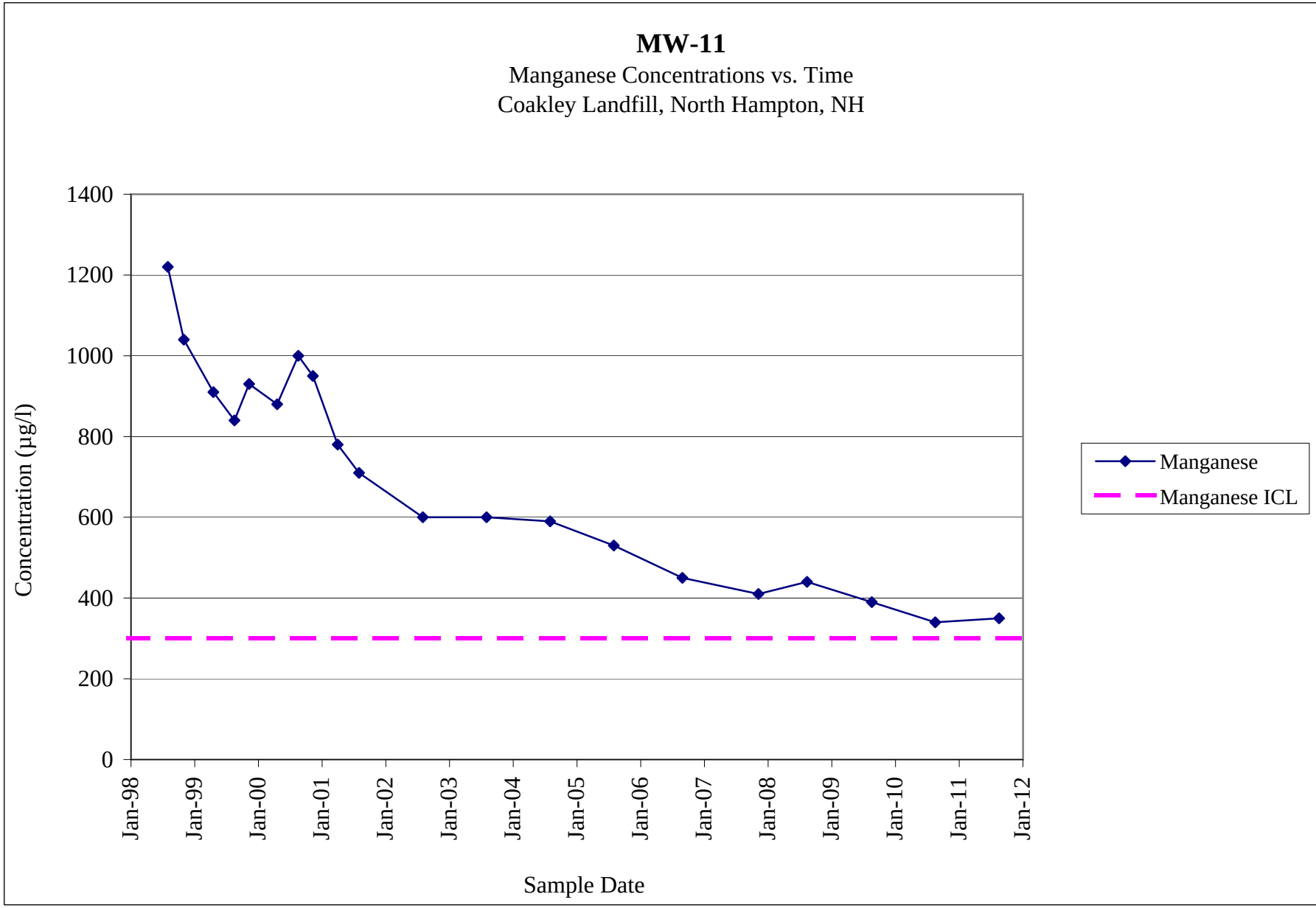


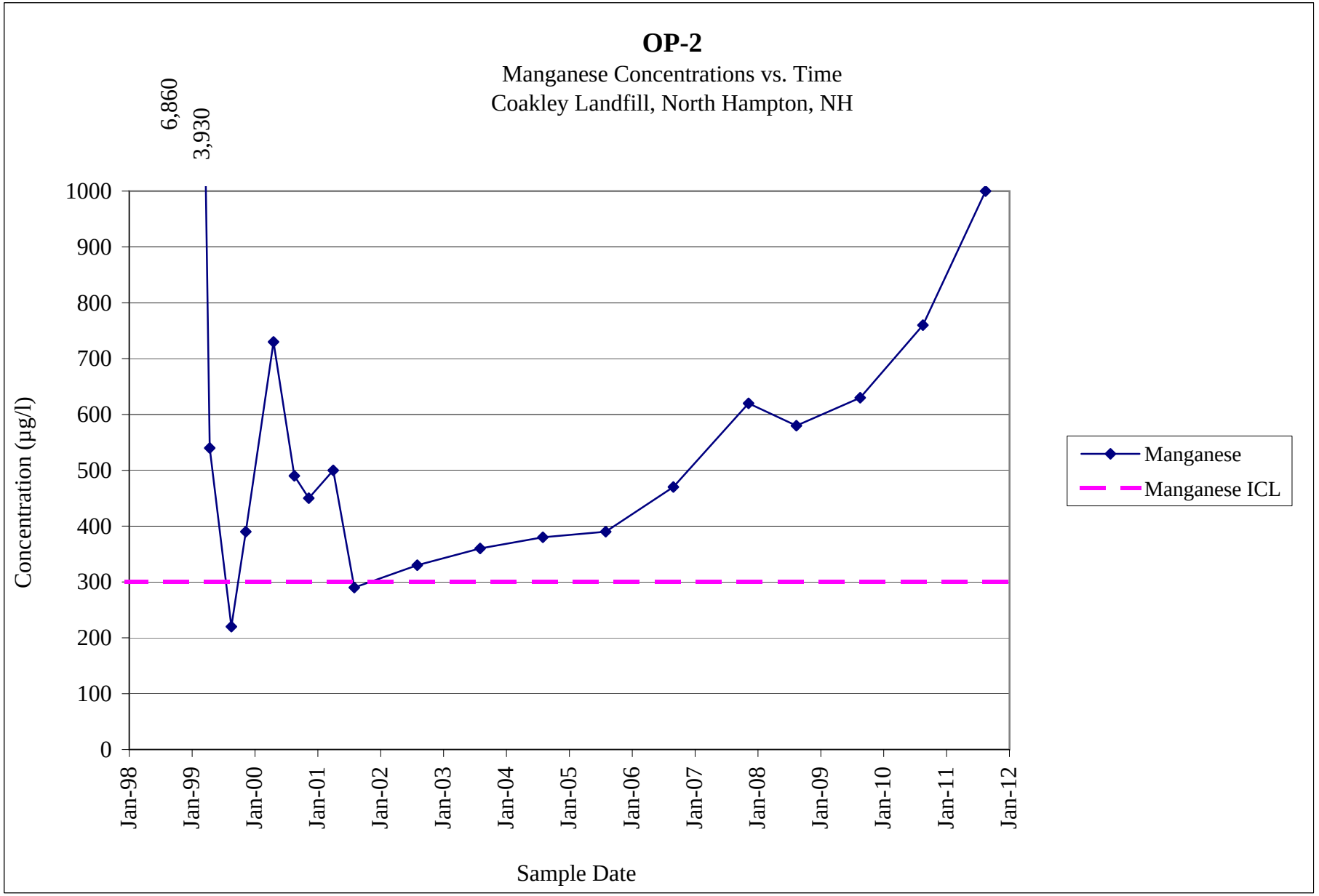

MW-10
Manganese Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Manganese
Manganese ICL

MW-11

Manganese Concentrations vs. Time

Coakley Landfill, North Hampton, NH

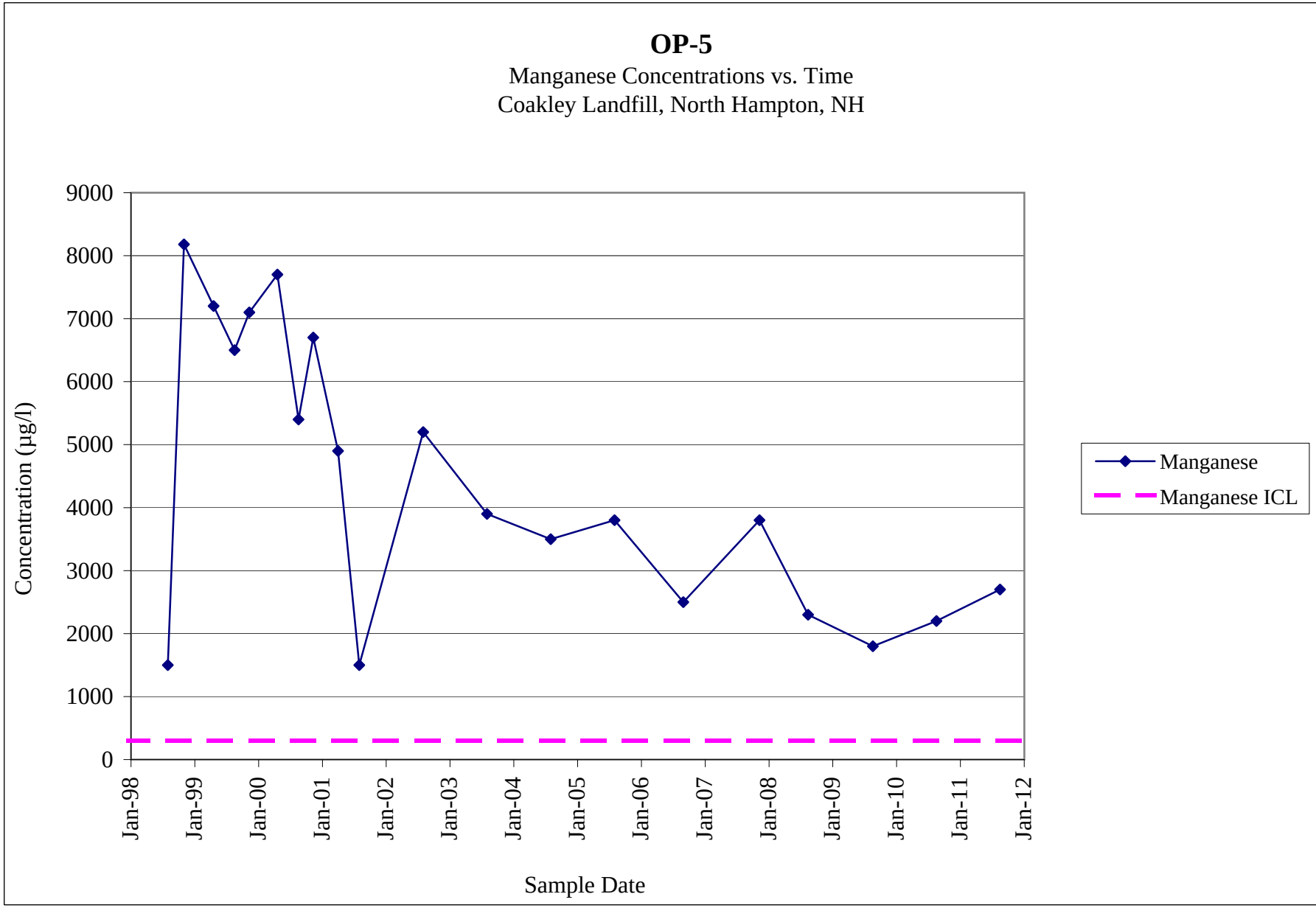


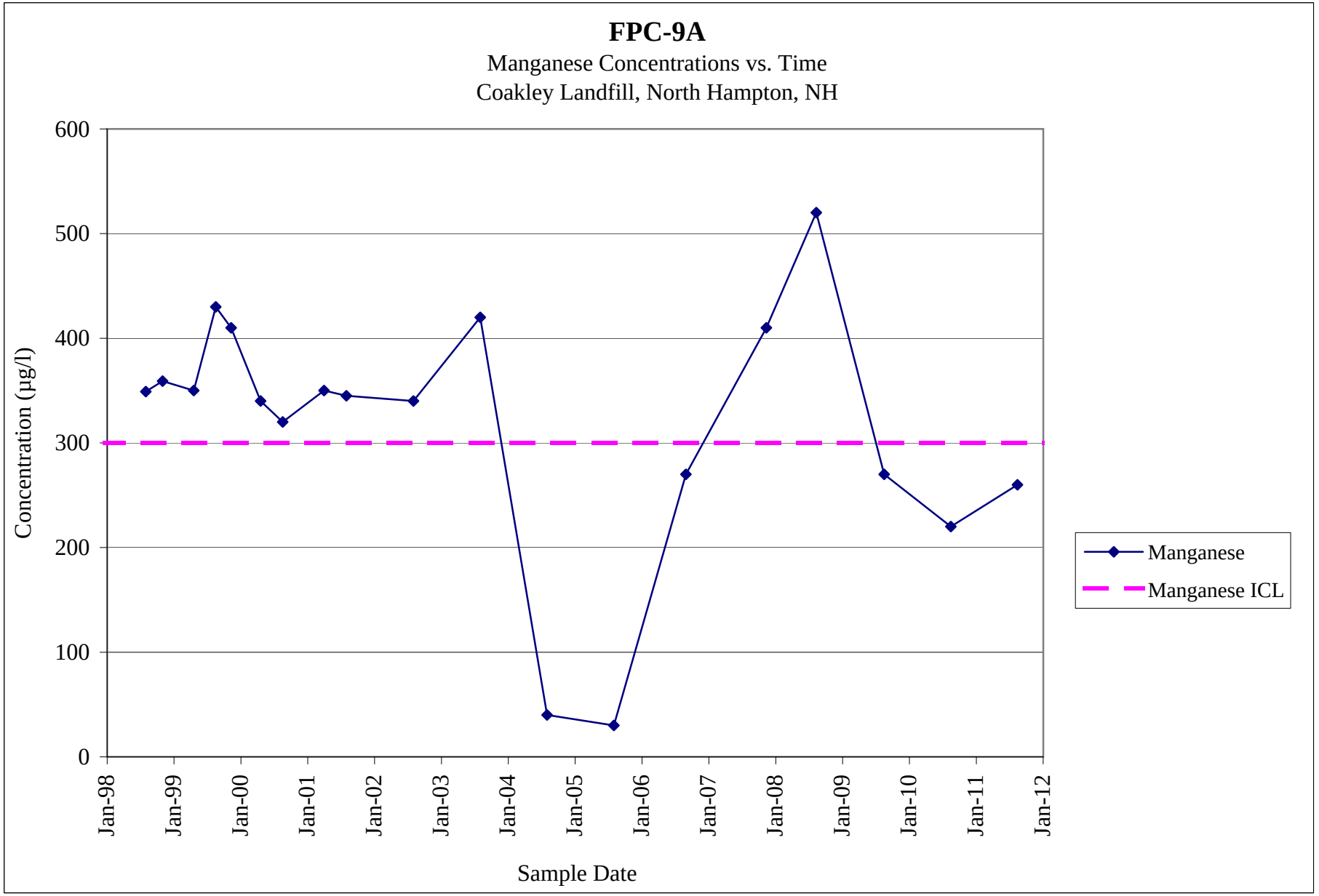

OP-2
Manganese Concentrations vs. Time
Coakley Landfill, North Hampton, NH
6,860
3,930
Concentration (µg/l)
1000
900
800
700
600
500
400
300
200
100
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Manganese
Manganese ICL

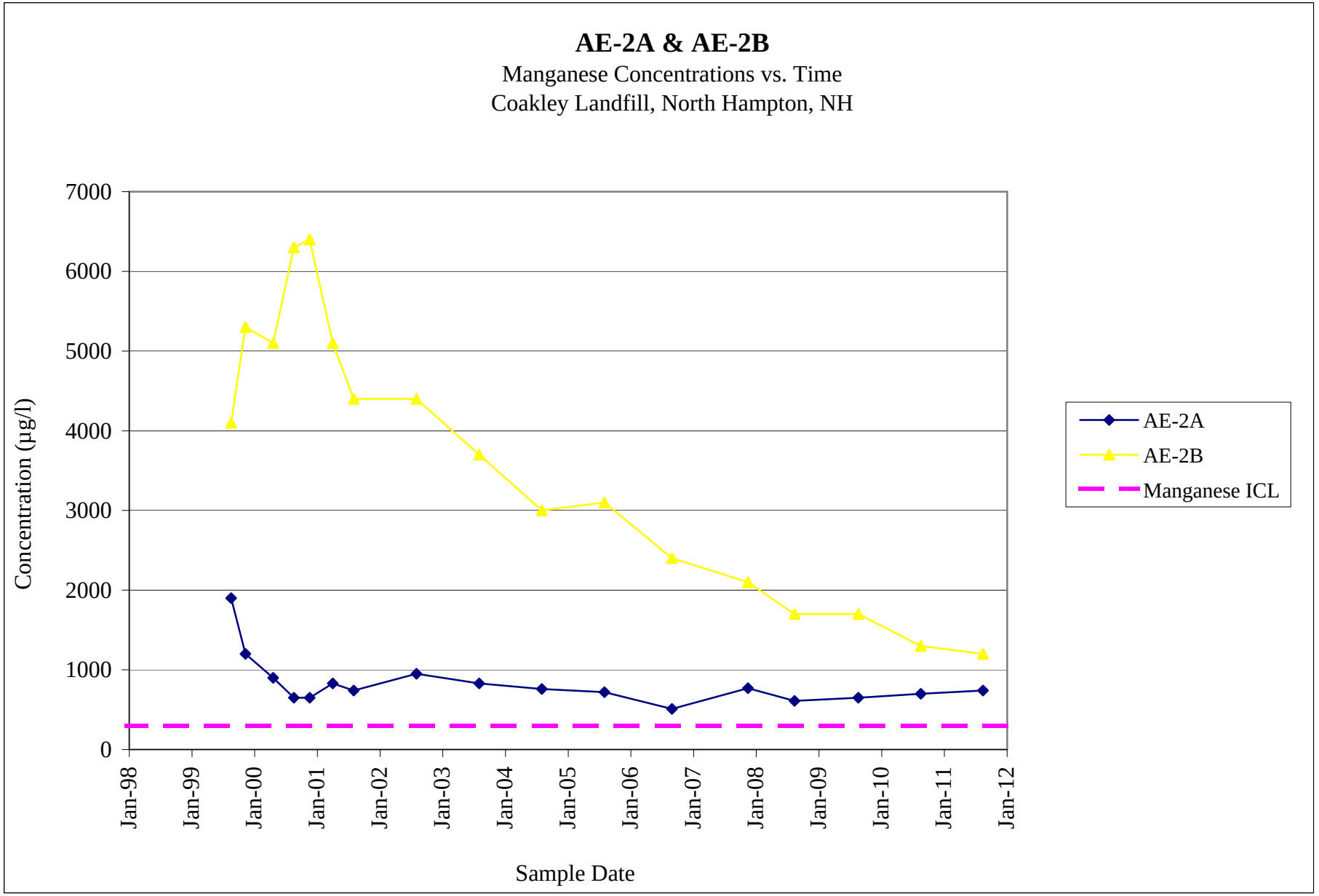
OP-5

Manganese Concentrations vs. Time

Coakley Landfill, North Hampton, NH



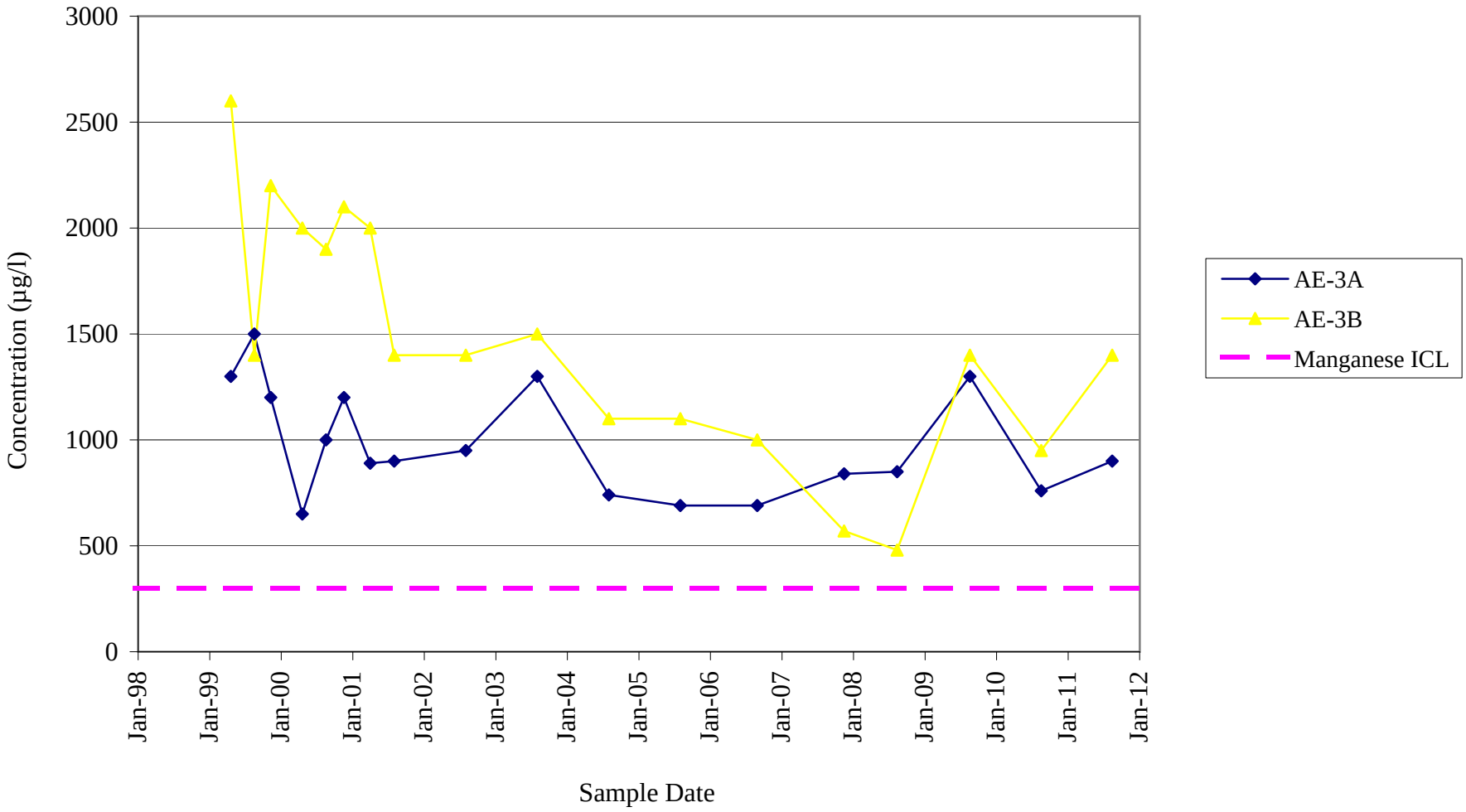

FPC-9A
Manganese Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
600
500
400
300
200
100
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Manganese
Manganese ICL


AE-2A & AE-2B
Manganese Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
7000
6000
5000
4000
3000
2000
1000
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
AE-2A
AE-2B
Manganese ICL

AE-3A & AE-3B

Manganese Concentrations vs. Time

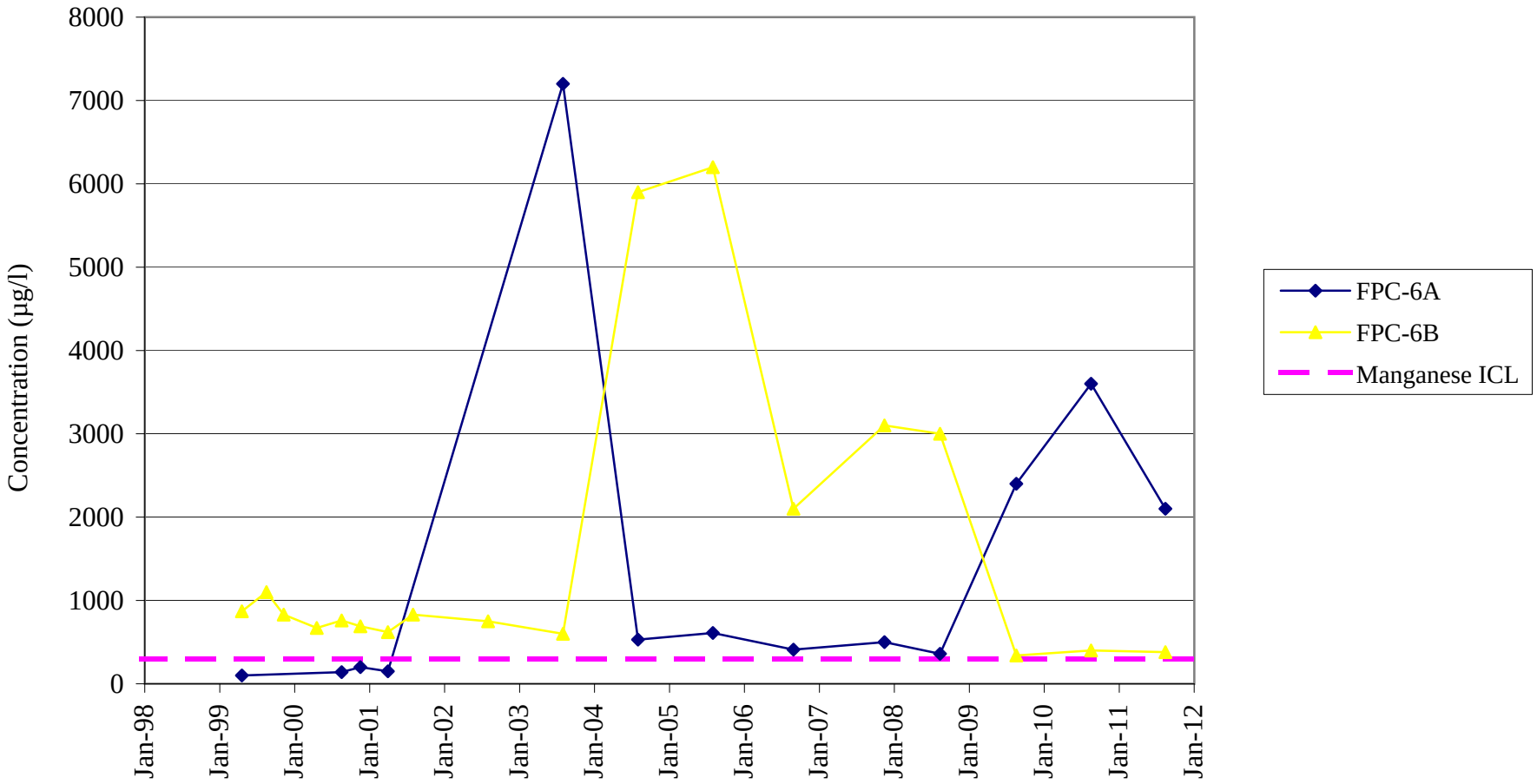
Coakley Landfill, North Hampton, NH



FPC-6A & FPC-6B

Manganese Concentrations vs. Time

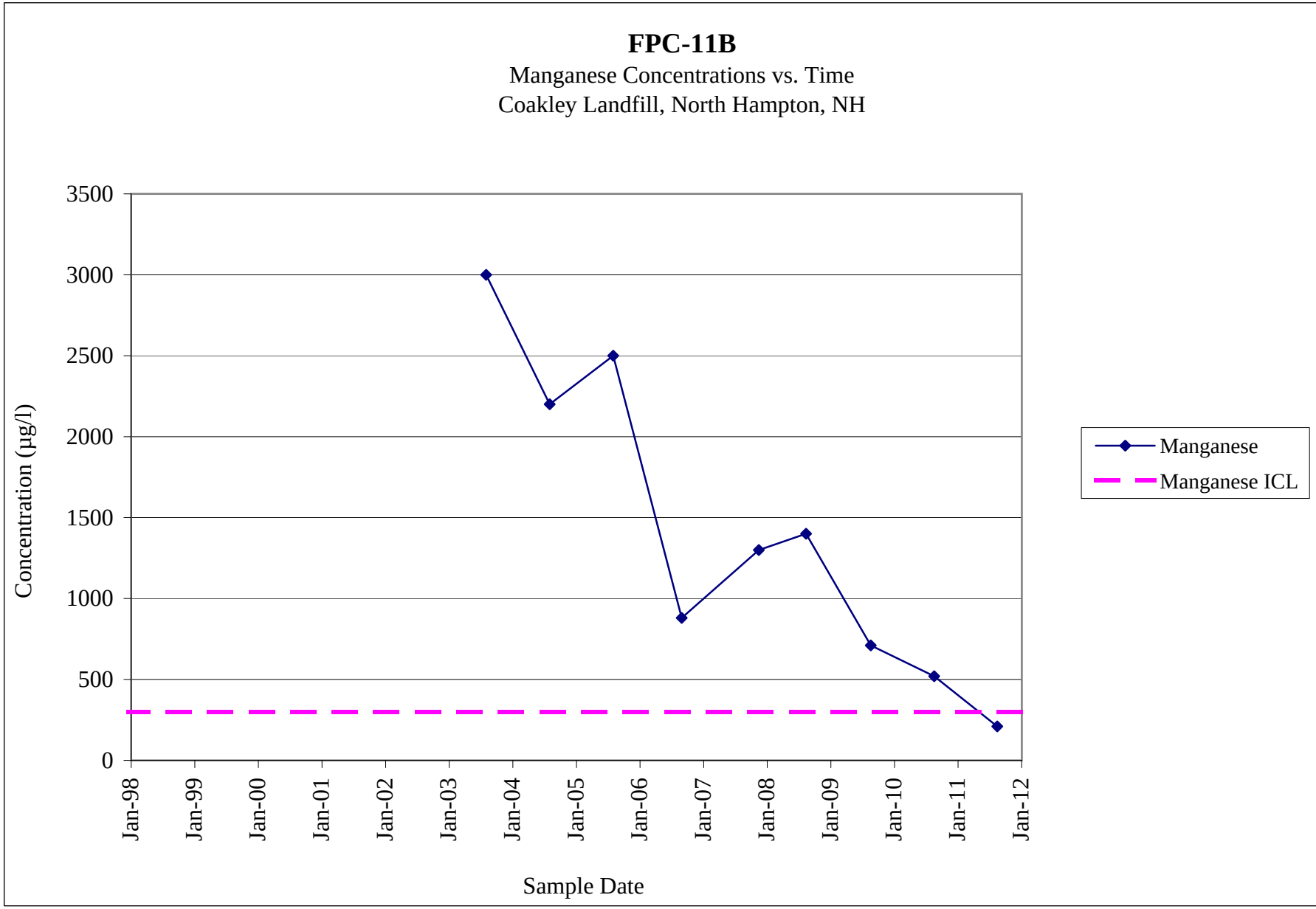
Coakley Landfill, North Hampton, NH

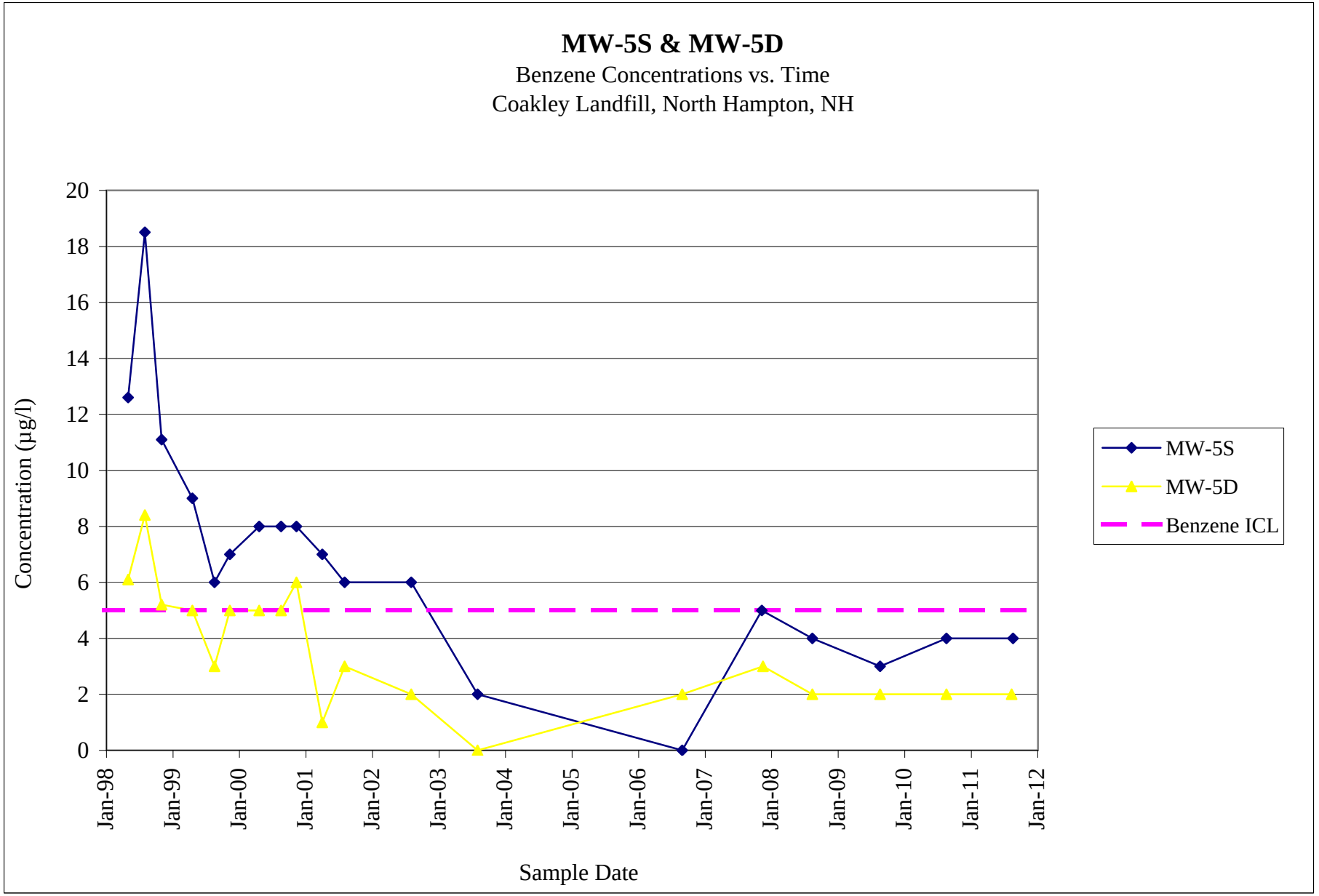


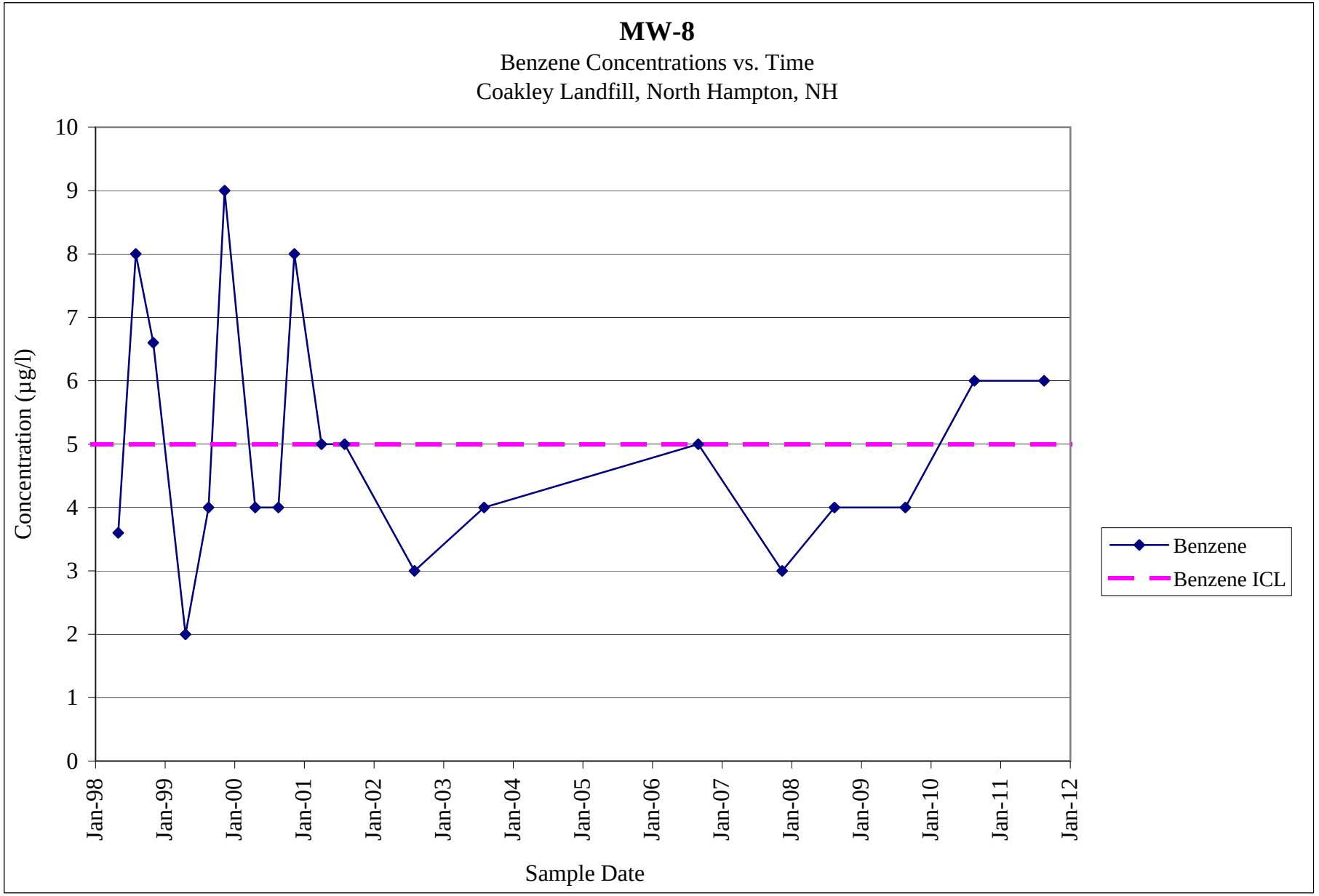
FPC-11B

Manganese Concentrations vs. Time

Coakley Landfill, North Hampton, NH



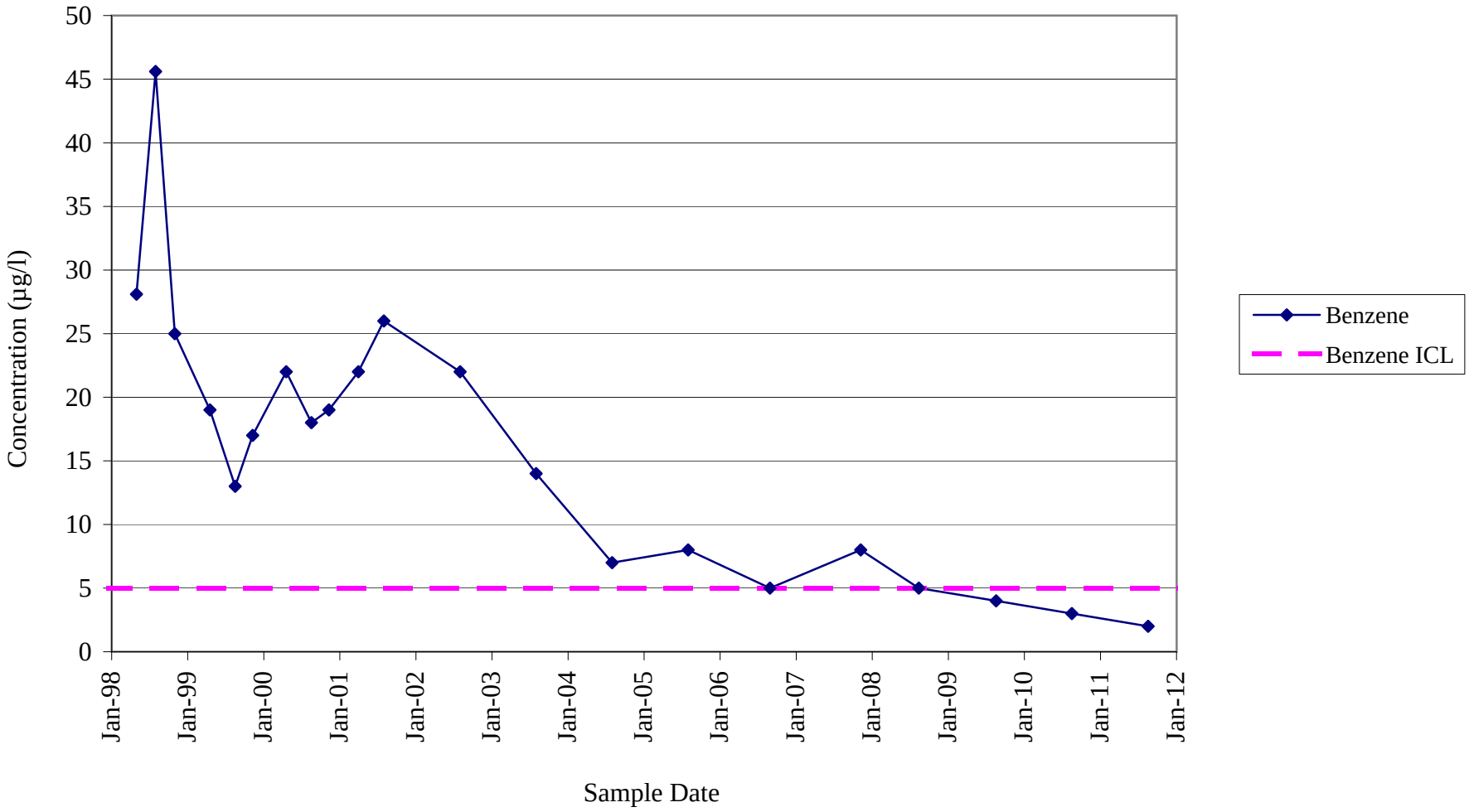

MW-5S & MW-5D
Benzene Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
20
18
16
14
12
10
8
6
4
2
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
MW-5S
MW-5D
Benzene ICL

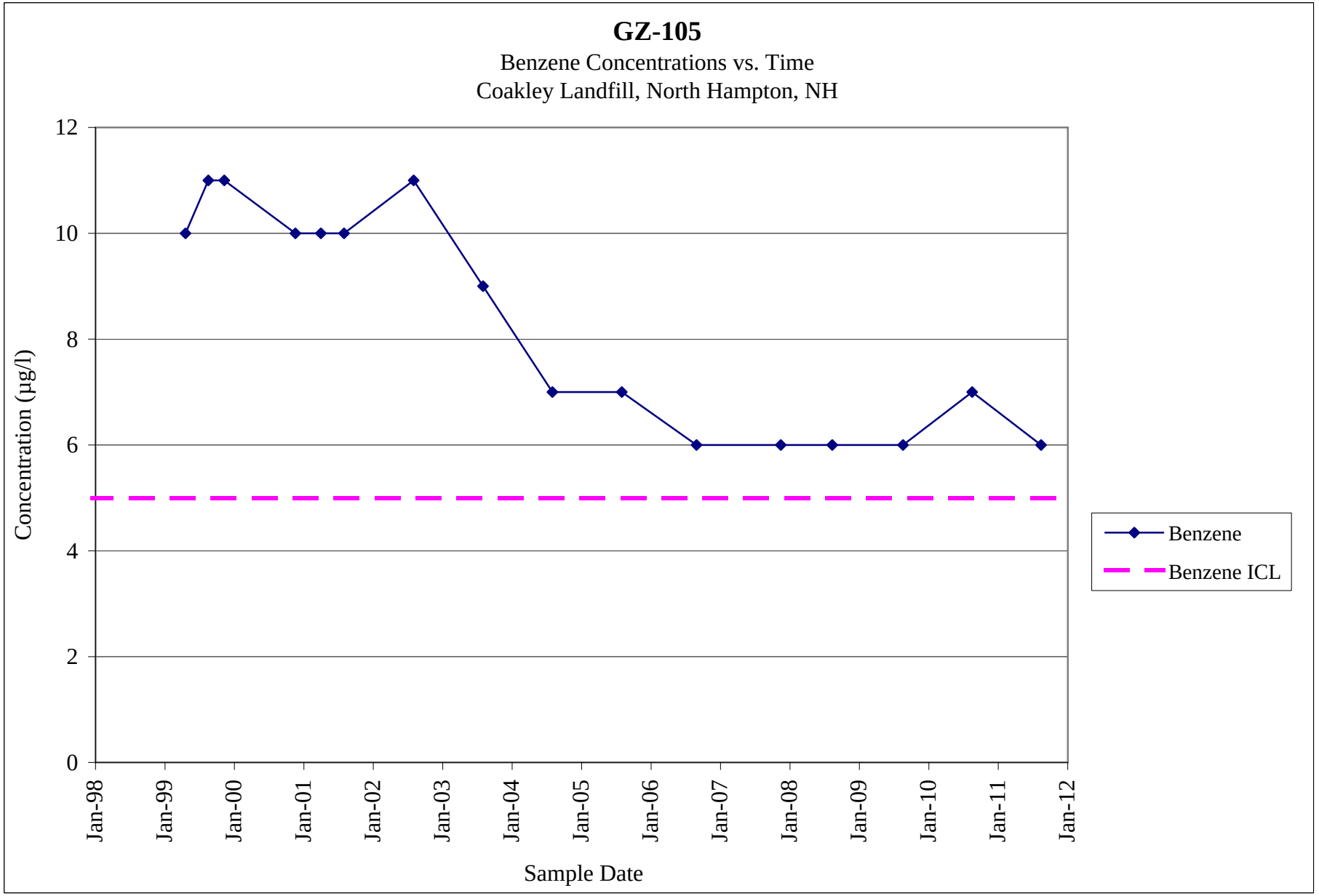

MW-8
Benzene Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
10
9
8
7
6
5
4
3
2
1
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Benzene
Benzene ICL

MW-11

Benzene Concentrations vs. Time

Coakley Landfill, North Hampton, NH




GZ-105
Benzene Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
12
10
8
6
4
2
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Sample Date
Benzene
Benzene ICL

MANN-KENDALL DATA EVALUATION SUMMARY

	Arsenic		Manganese		Benzene	
Well	Trend	Confidence	Trend	Confidence	Trend	Confidence
BP-4	Decreasing	95	Decreasing	99		
MW-4	Increasing	85	Increasing	85		
MW-5S	Decreasing	75	Increasing	95	Decreasing	99.5
MW-5D	No Trend	Stable	Decreasing	99.5	Decreasing	99.5
MW-6			No Trend	Stable		
MW-8	Increasing	95	Decreasing	99.5	No Trend	Stable
MW-9	Decreasing	75	No Trend	Stable		
MW-10	No Trend	Stable	Decreasing	99		
MW-11	Decreasing	97.5	Decreasing	99.5	Decreasing	99.5
OP-2	Decreasing	97.5	Increasing	75		
OP-5	Decreasing	99.5	Decreasing	99.5		
AE-1A	Increasing	99.5				
AE-2A	Decreasing	99	Decreasing	97.5		
AE-2B	Increasing	99.5	Decreasing	99.5		
AE-3A	No Trend	Stable	Decreasing	90		
AE-3B	Decreasing	95	Decreasing	99.5		
FPC-5A	Increasing	99				
FPC-5B	Increasing	90				
FPC-6A			Increasing	99		
FPC-6B			Decreasing	75		
FPC-9A	Decreasing	99.5	Decreasing	95		
FPC-11B	No Trend	Stable	Decreasing	99.5		
GZ-105					Decreasing	99.5

Shaded cells are for bedrock wells

Summary

Arsenic		Manganese		Benzene	
Decreasing	9	Decreasing	13	Decreasing	4
Increasing	6	Increasing	4	Increasing	0
No Trend	4	No Trend	2	No Trend	1

SECTION 5

SITE:	Coakley Landfill (P1081)	
CLIENT:	Provan & Lorber Contoocook, New Hampshire	
LABORATORY:	Eastern Analytical, Inc. (Concord, New Hampshire) Work Order: 102343	
EVENT:	Groundwater Sampling–August 2011 (Part 1 of 3)	
SAMPLES(1):	10 groundwater samples, 1 equipment rinsate blank, 2 trip blanks	
TESTS/METHODS(1):	Volatile Organics (VOCs)–73 target analytes	8260B
	1,4 Dioxane	8260B SIM
	Total Metals–23 analytes	200.8
	Dissolved Metals–Fe and Mn	200.8

(1) See Table 1 for a complete listing of samples and the tests performed on each.

QAA completed a Tier I validation of the above chemical analysis data in accordance with the USEPA's Region I *Data Validation Functional Guidelines* (Revised December 1996).

The validation was performed using a 'Level C' data package submitted by the laboratory in portable document format (pdf) and Complete SDG File (CSF) Inventory Sheets, which are included as Attachment A.

The validator checked the data package for completeness, assessed the results of Performance Evaluation (PE) samples analyzed with the field samples, and confirmed that all sample tests were performed within the method holding times. The results of the validation are summarized as follows:

Data Completeness: All sample results, QC results, and raw data including all information necessary to perform a Tier III validation as applicable for the analytical methodology is included in the original laboratory data package except as follows:

- The raw data (GC/MS quantitation reports, chromatograms, and ICP instrument printouts) were inadvertently not included in the original data package. The validator contacted the laboratory and the raw data was submitted in two addenda (organic raw data and metals raw data) on 10/5/11 and 10/7/11. Note that the addenda contain all the raw data for the event (i.e., for work orders 102343, 102455, and 102479).
- For the GC/MS tests (VOCs and 1,4-Dioxane), the raw mass spectra are not included in the package. The laboratory does not provide spectra for detects for GC/MS since the quantitation report provides the retention time, the target analyte identification, and the Q value, which gives a good indication of how the sample mass spectrum matches the reference spectrum; and thus, no further action was taken.

Additionally, the validator checked the sample information on the custody record (i.e., the sample ID, date received, date sampled, and sample matrix) against that reported by the laboratory and found no discrepancies.

PE Sample Results: A laboratory control sample (LCS), which is a clean sample matrix spiked with the analytes of interest, was analyzed with every analytical batch (maximum 20 samples of the same matrix). Additionally, a laboratory control sample duplicate (LCSD) was analyzed with every analytical batch for all tests except metals. Results are shown in Table 2.

Holding Time Check: All tests were performed within the holding times specified in the analytical methods.

QAA Validator: Taryn G. Scholz (Name) 10/11/11 (Date)

Attachments: A Complete SDG File (CSF) Inventory Sheets

TABLE 1
COAKLEY LANDFILL
GROUNDWATER SAMPLING - AUGUST 2011
(PART 1 OF 3)

SAMPLES COLLECTED

Lab ID	Sample ID	Matrix	Tests Performed			
			8260 VOCs	1,4-Dioxane	23 Total Metals	Dissolved Fe/Mn
102343.01	GW-BP-4-0811	Water		x	x	
102343.02	GW-MW-6-0811	Water	x	x	x	x
102343.03	GW-AE-1A-0811	Water		x	x	x
102343.04	GW-FPC-9A-0811	Water			x	x
102343.05	GW-FPC-11A-0811	Water			x	x
102343.06	GW-FPC-11B-0811	Water			x	x
102343.07	GW-GZ-125-0811	Water	x		x	x
102343.08	Equipment	Water	x	x	x	x
102343.09	GW-AE-1B-0811	Water		x	x	x
102343.1	GW-FPC-2A-0811	Water	x		x	x
102343.11	GW-FPC-2B-0811	Water	x		x	x
102343.12	Trip Blank - 8260B	Water	x			
102343.13	Trip Blank - 1,4Diox.	Water		x		

TABLE 2
COAKLEY LANDFILL
GROUNDWATER SAMPLING - AUGUST 2011
(PART 1 OF 3)

PE SAMPLE RESULTS

Test	Lab Limits	Analysis Date	PE Sample Type	QC Outcome
VOCs	70-130%	8/17/11	LCS/LCSD	Recoveries within limits for all target analytes except: Vinyl chloride 133% (LCS) and 132% (LCSD) 2,2-Dichloropropane 55% (LCS) and 68% (LCSD) Carbon tetrachloride 64% (LCS)
1,4-Dioxane	70-130%	8/24/11	LCS/LCSD	Recoveries within limits for the target analyte
Total and Dissolved Metals	85-115%	8/24/11	LCS	Recoveries within limits for all target analytes

ATTACHMENT A
COMPLETE SDG FILE (CSF) INVENTORY SHEETS

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102343 (QAA No. PL06)
SDG NOs. TO FOLLOW: 102455 (PL07), 102479 (PL08)

All documents delivered in the Complete SDG File (CSF) must be original documents where possible.

ITEM	PAGE NUMBER(S)
1. Signed Cover Sheet with NELAC Accreditation	cover
2. SDG Case Narrative	*
3. Sample ID Summary	1
4. Shipping/Receiving Documents	
Airbills (No. of shipments:)	hand delivered
Chain-of-custody records	16-17
Sample tags	NA
Sample log-in sheet (Lab, DC-1)	1
Miscellaneous shipping/receiving records Describe:	NA
5. Internal Lab Sample Transfer Records and Tracking Sheets	
Describe:	NA
6. Other Records	
Percent solids determination log	NA
Telephone communication log	NA
Describe:	NA
7. Comments * Included at the end of each QC report (i.e., blank, spike QC Summary) for each test	

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 10/10/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102343 (QAA No. PL06)
SDG NOs. TO FOLLOW: 102455 (PL07), 102479 (PL08)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: VOCs
Method: 8260B

	PAGE NUMBER(S)			
Date/Batch:	8/17/11			
Samples:	2,7,8, 10,11,12			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	30			
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample:)	NA			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	4-5			
Method Blank (Form IV)	4-5			
GC/MS Instrument Performance Tune (Form V)	20,29			
Internal Standard Area and RT Form VIII)	30			
2. Sample Data				
TCL Results (Form I) (no. analytes: 73)	2-3			
Tentatively Identified Compounds (Form I TIC)	NA			
Raw Data for each sample: Quantitation reports Reconstructed total ion chromatograms (RIC) Raw spectra/background-subtracted spectra of detects Mass spectra of TICs with three best library matches	190-210A1*			
3. Standards Data				
Initial Calibration Summary (Form VI) (8/11/11 ms5)	21-26			
Quantitation reports and RIC for all standards	2-37A1			
Continuing Calibration Summary (Form VII)	31-36			
Quantitation reports and RIC for all standards	179-181A1			
4. Raw QC Data				
Tune	20,29			
Method Blank	182-183A1			
Lab Control Sample/Lab Control Sample Dup	184-189A1			
Matrix Spike/Matrix Spike Dup	NA			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	19,28			
Internal sample/extract transfer custody records	not incl			
Screening records	NA			
Other instrument output, including strip charts from screening activities Describe:	NA			

6. Comments
LCS/LCSD (lab limits) – %R > UCL for Vinyl chloride (133/132) and <LCL for 2,2-Dichloropropane (55/68), Carbon tet (64/74p)
*Raw spectra not included, quantitation reports include Q values
Note: Pages numbers preceding 'A1' indicate page in Addendum 1 – Coakley Organic Raw Data dated 10/5/11

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 10/10/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102343 (QAA No. PL06)
SDG NOs. TO FOLLOW: 102455 (PL07), 102479 (PL08)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: 1,4-Dioxane
Method: 8260B SIM

	PAGE NUMBER(S)			
Date/Batch:	8/24/11			
Samples:	1,2,3,8,9, 13			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	45			
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample:)	NA			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	8			
Method Blank (Form IV)	8			
GC/MS Instrument Performance Tune (Form V)	39,44			
Internal Standard Area and RT Form VIII)	45			
2. Sample Data				
TCL Results (Form I) (no. analytes: 1)	7			
Tentatively Identified Compounds (Form I TIC)	NA			
Raw Data for each sample: Quantitation reports Reconstructed total ion chromatograms (RIC) Raw spectra/background-subtracted spectra of detects Mass spectra of TICs with three best library matches	211-222A1*			
3. Standards Data				
Initial Calibration Summary (Form VI) (8/15/11 ms2)	40-41			
Quantitation reports and RIC for all standards	39-52A1			
Continuing Calibration Summary (Form VII)	46			
Quantitation reports and RIC for all standards	203-204A1			
4. Raw QC Data				
Tune	39,44			
Method Blank	209-210A1			
Lab Control Sample/Lab Control Sample Dup	205-208A1			
Matrix Spike/Matrix Spike Dup	NA			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	38,43			
Internal sample/extract transfer custody records	not incl			
Screening records	NA			
Other instrument output, including strip charts from screening activities Describe:	NA			

6. Comments
LCS/LCSD (lab limits) – P/P
*Raw spectra not included, quantitation reports include Q values
Note: Pages numbers preceding ‘A1’ indicate page in Addendum 1 – Coakley Organic Raw Data dated 10/5/11

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 10/10/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102343 (QAA No. PL06)
SDG NOs. TO FOLLOW: 102455 (PL07), 102479 (PL08)

INDUCTIVELY COUPLED PLASMA/ MASS SPECTROMETRY (ICP-MS)
Parameter: 23 Total, Fe/Mn Dissolved
Method: 200.8

	PAGE NUMBER(S)			
Date/Batch:	8/24-25/11			
Samples:	1-11*			
1. Cover Sheet	not reqd			
2. Sample Data Sheet (Form I)	8-12			
3. Initial/Continuing Calibration Verification (Form IIA)	60-73			
4. CRQL Standard (From IIB)	not reqd			
5. Blanks (Form III)	13,15 52-58			
6. Interference Check Sample (Form IVB)	78			
7. Matrix Spike Sample (Form VA) (Parent Sample: 10 Total, 06 Diss)	14,15 with MSD			
8. Post-Digestion Spike Sample (Form VB)	not reqd			
9. Duplicates (Form VI)	14,15 as MSD			
10. Laboratory Control Sample (Form VII)	13,15			
11. Serial Dilutions (Form VIII)	not reqd			
12. Method Detection Limits (Annually) (Form IX)	not reqd			
13. Linear Ranges (Quarterly) (Form XI)	not reqd			
14. Preparation Log (Form XII)	not reqd			
15. Analysis Run Log (Form XIII)	not reqd			
16. ICP-MS Tune (Form XIV)	80-81			
17. IPC-MS Internal Stds Relative Intensity (Form XV)	48			
18. ICP-MS Raw Data	1-608A2			
19. Preparation Logs Raw Data	79			
20. Original prep/analysis forms or copies of logbook pgs	75-77			

21. Comments
LCS (lab limits) – P
*Dissolved metals not requested for sample 1
Note: Pages numbers preceding ‘A2’ indicate page in Addendum 2 – Coakley Metals Raw Data dated 10/7/11

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) (Name and Company) 10/10/11 (Date)

SITE:	Coakley Landfill (P1081)	
CLIENT:	Provan & Lorber Contoocook, New Hampshire	
LABORATORY:	Eastern Analytical, Inc. (Concord, New Hampshire) Work Order: 102455	
EVENT:	Groundwater Sampling–August 2011 (Part 2 of 3)	
SAMPLES(1):	17 groundwater samples, 1 field duplicate, 1 field blank, 1 field MS/MSD, 2 trip blanks	
TESTS/METHODS(1):	Volatile Organics (VOCs)–73 target analytes	8260B
	1,4 Dioxane	8260B SIM
	Total Metals–23 analytes	200.8
	Dissolved Metals–Fe and Mn	200.8

(1) See Table 1 for a complete listing of samples and the tests performed on each.

QAA completed a Tier I validation of the above chemical analysis data in accordance with the USEPA's Region I *Data Validation Functional Guidelines* (Revised December 1996).

The validation was performed using a 'Level C' data package submitted by the laboratory in portable document format (pdf) and Complete SDG File (CSF) Inventory Sheets, which are included as Attachment A.

The validator checked the data package for completeness, assessed the results of Performance Evaluation (PE) samples analyzed with the field samples, and confirmed that all sample tests were performed within the method holding times. The results of the validation are summarized as follows:

Data Completeness: All sample results, QC results, and raw data including all information necessary to perform a Tier III validation as applicable for the analytical methodology is included in the original laboratory data package except as follows:

- The raw data (GC/MS quantitation reports, chromatograms, and ICP instrument printouts) were inadvertently not included in the original data package. The validator contacted the laboratory and the raw data was submitted in two addenda (organic raw data and metals raw data) on 10/5/11 and 10/7/11. Note that the addenda contain all the raw data for the event (i.e., for work orders 102343, 102455, and 102479).
- For the GC/MS tests (VOCs and 1,4-Dioxane), the raw mass spectra are not included in the package. The laboratory does not provide spectra for detects for GC/MS since the quantitation report provides the retention time, the target analyte identification, and the Q value, which gives a good indication of how the sample mass spectrum matches the reference spectrum; and thus, no further action was taken.

Additionally, the validator checked the sample information on the custody record (i.e., the sample ID, date received, date sampled, and sample matrix) against that reported by the laboratory and found the following discrepancy:

Data Completeness:

- For lab ID 102455.06, the laboratory reported a sample ID of GW-AE-38DUP-0811, whereas the custody record shows GW-AE-3B-DUP-0811.

PE Sample Results: A laboratory control sample (LCS), which is a clean sample matrix spiked with the analytes of interest, was analyzed with every analytical batch (maximum 20 samples of the same matrix). Additionally, a laboratory control sample duplicate (LCSD) was analyzed with every analytical batch for all tests except metals. Results are shown in Table 2.

Holding Time Check: All tests were performed within the holding times specified in the analytical methods.

QAA Validator: Taryn G. Scholz (Name) 10/11/11 (Date)

Attachments: A Complete SDG File (CSF) Inventory Sheets

TABLE 1
COAKLEY LANDFILL
GROUNDWATER SAMPLING - AUGUST 2011
(PART 2 OF 3)

SAMPLES COLLECTED

Lab ID	Sample ID	Matrix	Tests Performed			
			8260 VOCs	1,4-Dioxane	23 Total Metals	Dissolved Fe/Mn
102455.01	GW-AE-2A-0811	Water	x	x	x	x
102455.02	GW-AE-2B-0811	Water	x	x	x	x
102455.03	GW-OP-2-0811	Water		x	x	x
102455.04	GW-OP-5-0811	Water		x	x	x
102455.05	GW-AE-3B-0811(1)	Water	x	x	x	x
102455.06	GW-AE-3B-DUP-0811	Water	x	x	x	x
102455.07	GW-AE-4A-0811	Water	x		x	x
102455.08	GW-AE-4B-0811	Water	x		x	x
102455.09	GW-FPC-4B-0811	Water	x		x	x
102455.1	GW-FPC-8A-0811	Water	x	x	x	
102455.11	GW-FPC-8B-0811	Water	x	x	x	x
102455.12	GW-GZ-105-0811	Water	x		x	x
102455.13	GW-GZ-123-0811	Water	x		x	x
102455.14	GW-AE-3B-FB-0811	Water	x	x	x	x
102455.15	GW-MW-4-0811	Water		x	x	x
102455.16	GW-MW-5D-0811	Water	x	x	x	
102455.17	GW-MW-8-0811	Water	x	x	x	
102455.18	GW-FPC-7A-0811	Water		x	x	x
102455.19	GW-FPC-7B-0811	Water		x	x	x
102455.2	Trip Blank - 8260B	Water	x			
102455.21	Trip Blank–1,4-Diox.	Water		x		

1) Field MS/MSD collected at this location.

TABLE 2
COAKLEY LANDFILL
GROUNDWATER SAMPLING - AUGUST 2011
(PART 2 OF 3)

PE SAMPLE RESULTS

Test	Lab Limits	Analysis Date	PE Sample Type	QC Outcome
VOCs	70-130%	8/19/11	LCS/LCSD	Recoveries within limits for all target analytes except: 2,2-Dichloropropane 47% (LCS) and 58% (LCSD) Carbon tetrachloride 62% (LCS) and 68% (LCSD)
		8/29/11	LCS/LCSD	Recoveries within limits for all target analytes except: Carbon disulfide 64% (LCSD) 2,2-Dichloropropane 68% (LCS) and 65% (LCSD)
1,4-Dioxane	70-130%	8/24/11	LCS/LCSD	Recoveries within limits for the target analyte
		8/25/11	LCS/LCSD	Recoveries within limits for the target analyte
		8/26/11	LCS/LCSD	Recoveries within limits for the target analyte
Total and Dissolved Metals	85-115%	8/24/11	LCS	Recoveries within limits for all target analytes

ATTACHMENT A
COMPLETE SDG FILE (CSF) INVENTORY SHEETS

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102455 (QAA No. PL07)
SDG NOs. TO FOLLOW: 102479 (PL08)

All documents delivered in the Complete SDG File (CSF) must be original documents where possible.

ITEM	PAGE NUMBER(S)
1. Signed Cover Sheet with NELAC Accreditation	cover
2. SDG Case Narrative	*
3. Sample ID Summary	1
4. Shipping/Receiving Documents	
Airbills (No. of shipments:)	hand delivered
Chain-of-custody records	30-31
Sample tags	NA
Sample log-in sheet (Lab, DC-1)	1
Miscellaneous shipping/receiving records Describe:	NA
5. Internal Lab Sample Transfer Records and Tracking Sheets	
Describe:	NA
6. Other Records	
Percent solids determination log	NA
Telephone communication log	NA
Describe:	NA
7. Comments * Included at the end of each QC report (i.e., blank, spike QC Summary) for each test	

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 10/10/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102455 (QAA No. PL07)
SDG NOs. TO FOLLOW: 102479 (PL08)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: VOCs
Method: 8260B

	PAGE NUMBER(S)			
Date/Batch:	8/19/11	8/29/11		
Samples:	1,2, 6-14, 16,17,20	5		
1. QC Summary				
Deuterated Monitoring Compound (Form II)	55A1	48		
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample: 5)	NA	12-13		
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	8-9	10-11		
Method Blank (Form IV)	8-9	10-11		
GC/MS Instrument Performance Tune (Form V)	34,56A1	34,49		
Internal Standard Area and RT Form VIII)	55A1	48		
2. Sample Data				
TCL Results (Form I) (no. analytes: 73)	2-7	2		
Tentatively Identified Compounds (Form I TIC)	NA	NA		
Raw Data for each sample: Quantitation reports Reconstructed total ion chromatograms (RIC) Raw spectra/background-subtracted spectra of detects Mass spectra of TICs with three best library matches	72-99A1*	111-112A1*		
3. Standards Data				
Initial Calibration Summary (Form VI) (8/11/11 ms5)	35-40	35-40		
Quantitation reports and RIC for all standards	2-37A1	2-37A1		
Continuing Calibration Summary (Form VII)	57-60A1	50-53		
Quantitation reports and RIC for all standards	61-63A1	100-102A1		
4. Raw QC Data				
Tune	34,56A1	34,49		
Method Blank	64-65A1	103-104A1		
Lab Control Sample/Lab Control Sample Dup	66-71A1	105-110A1		
Matrix Spike/Matrix Spike Dup	NA	113-118A1		
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	33,54A1	33,47		
Internal sample/extract transfer custody records	not incl	not incl		
Screening records	NA	NA		
Other instrument output, including strip charts from screening activities Describe:	NA	NA		

6. Comments
LCS/LCSD (lab limits) – 8/19/11 %R <LCL for 2,2-Dichloropropane (47/58), Carbon tet (62/68); 8/29/11 %R <LCL for Carbon disulfide (72p/64), 2,2-Dichloropropane (68/65)
*Raw spectra not included, quantitation reports include Q values
Note: Pages numbers preceding 'A1' indicate page in Addendum 1 – Coakley Organic Raw Data dated 10/5/11

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 10/10/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102455 (QAA No. PL07)
SDG NOs. TO FOLLOW: 102479 (PL08)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: 1,4-Dioxane
Method: 8260B SIM

	PAGE NUMBER(S)			
Date/Batch:	8/24/11	8/25-26/11	8/26/11	
Samples:	1-4	5,6, 10,11, 14-17	18,19,21	
1. QC Summary				
Deuterated Monitoring Compound (Form II)	56	60	64	
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample: 5)	NA	19	NA	
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	17	18	20	
Method Blank (Form IV)	17	18	20	
GC/MS Instrument Performance Tune (Form V)	43,57	43,61	43,65	
Internal Standard Area and RT Form VIII)	56	60	64	
2. Sample Data				
TCL Results (Form I) (no. analytes: 1)	14	14-15	15-16	
Tentatively Identified Compounds (Form I TIC)	NA	NA	NA	
Raw Data for each sample: Quantitation reports Reconstructed total ion chromatograms (RIC) Raw spectra/background-subtracted spectra of detects Mass spectra of TICs with three best library matches	128-135A1*	144-145A1,150-163A1*	172-177A1*	
3. Standards Data				
Initial Calibration Summary (Form VI) (8/15/11 ms2)	44,45	44,45	44,45	
Quantitation reports and RIC for all standards	39-52A1	39-52A1	39-52A1	
Continuing Calibration Summary (Form VII)	58	62	66	
Quantitation reports and RIC for all standards	120-121A1	136-137A1	164-165A1	
4. Raw QC Data				
Tune	43,57	43,61	43,65	
Method Blank	126-127A1	142-143A1	170-171A1	
Lab Control Sample/Lab Control Sample Dup	122-125A1	138-141A1	166-169A1	
Matrix Spike/Matrix Spike Dup	NA	146-149A1	NA	
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	42,55	42,59	42,63	
Internal sample/extract transfer custody records	not incl	not incl	not incl	
Screening records	NA	NA	NA	
Other instrument output, including strip charts from screening activities Describe:	NA	NA	NA	

6. Comments
LCS/LCSD (lab limits) – P/P
*Raw spectra not included, quantitation reports include Q values
Note: Pages numbers preceding 'A1' indicate page in Addendum 1 – Coakley Organic Raw Data dated 10/5/11

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) (Name and Company) 10/10/11 (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102455 (QAA No. PL07)
SDG NOs. TO FOLLOW: 102479 (PL08)

INDUCTIVELY COUPLED PLASMA/ MASS SPECTROMETRY (ICP-MS)
Parameter: 23 Total, Fe/Mn Dissolved
Method: 200.8

	PAGE NUMBER(S)			
Date/Batch:	8/24-25/11			
Samples:	1-19*			
1. Cover Sheet	not reqd			
2. Sample Data Sheet (Form I)	21-26			
3. Initial/Continuing Calibration Verification (Form IIA)	77-86			
4. CRQL Standard (From IIB)	not reqd			
5. Blanks (Form III)	27,29 71-75			
6. Interference Check Sample (Form IVB)	88			
7. Matrix Spike Sample (Form VA) (Parent Sample: 05 Total, 05 Diss)	28,29 with MSD			
8. Post-Digestion Spike Sample (Form VB)	not reqd			
9. Duplicates (Form VI)	28,29 as MSD			
10. Laboratory Control Sample (Form VII)	27,29			
11. Serial Dilutions (Form VIII)	not reqd			
12. Method Detection Limits (Annually) (Form IX)	not reqd			
13. Linear Ranges (Quarterly) (Form XI)	not reqd			
14. Preparation Log (Form XII)	not reqd			
15. Analysis Run Log (Form XIII)	not reqd			
16. ICP-MS Tune (Form XIV)	92-95			
17. IPC-MS Internal Stds Relative Intensity (Form XV)	68-69			
18. ICP-MS Raw Data	1-608A2, 610-822A2			
19. Preparation Logs Raw Data	96			
20. Original prep/analysis forms or copies of logbook pgs	89-91			

21. Comments
LCS (lab limits) – P
*Dissolved metals not requested for sample 10,16,17
Note: Pages numbers preceding ‘A2’ indicate page in Addendum 2 – Coakley Metals Raw Data dated 10/7/11

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 10/10/11
(Name and Company) (Date)

SITE:	Coakley Landfill (P1081)	
CLIENT:	Provan & Lorber Contoocook, New Hampshire	
LABORATORY:	Eastern Analytical, Inc. (Concord, New Hampshire) Work Order: 102479	
EVENT:	Groundwater Sampling–August 2011 (Part 3 of 3)	
SAMPLES(1):	9 groundwater samples, 1 drinking water sample, 4 surface water samples, 2 field duplicates, 1 field blank, 2 field MS/MSD, 2 trip blanks	
TESTS/METHODS(1):	Volatile Organics (VOCs)–73 target analytes	8260B
	Volatile Organics (VOCs)–73 target analytes	524.2
	1,4 Dioxane	8260B SIM
	Total Metals–23 analytes	200.8
	Dissolved Metals–Fe and Mn	200.8
	Ammonia-N	4500NH3D
	COD	H8000

(1) See Table 1 for a complete listing of samples and the tests performed on each.

QAA completed a Tier I validation of the above chemical analysis data in accordance with the USEPA's Region I *Data Validation Functional Guidelines* (Revised December 1996).

The validation was performed using a 'Level C' data package submitted by the laboratory in portable document format (pdf) and Complete SDG File (CSF) Inventory Sheets, which are included as Attachment A.

The validator checked the data package for completeness, assessed the results of Performance Evaluation (PE) samples analyzed with the field samples, and confirmed that all sample tests were performed within the method holding times. The results of the validation are summarized as follows:

Data Completeness: All sample results, QC results, and raw data including all information necessary to perform a Tier III validation as applicable for the analytical methodology is included in the original laboratory data package except as follows:

- The raw data (GC/MS quantitation reports, chromatograms, and ICP instrument printouts) were inadvertently not included in the original data package. The validator contacted the laboratory and the raw data was submitted in two addenda (organic raw data and metals raw data) on 10/5/11 and 10/7/11. Note that the addenda contain all the raw data for the event (i.e., for work orders 102343, 102455, and 102479).
- For the GC/MS tests (VOCs and 1,4-Dioxane), the raw mass spectra are not included in the package. The laboratory does not provide spectra for detects for GC/MS since the quantitation report provides the retention time, the target analyte identification, and the Q value, which gives a good indication of how the sample mass spectrum matches the reference spectrum; and thus, no further action was taken.

Data Completeness: Additionally, the validator checked the sample information on the custody record (i.e., the sample ID, date received, date sampled, and sample matrix) against that reported by the laboratory and found the following discrepancy:

- For lab ID 102479.19, the sampler inadvertently marked this trip blank for Total Metals analysis. The laboratory correctly reported results for 1,4-Dioxane.

PE Sample Results: A laboratory control sample (LCS), which is a clean sample matrix spiked with the analytes of interest, was analyzed with every analytical batch (maximum 20 samples of the same matrix). Additionally, a laboratory control sample duplicate (LCSD) was analyzed with every analytical batch for all tests except metals. Results are shown in Table 2.

Holding Time Check: All tests were performed within the holding times specified in the analytical methods.

QAA Validator: Taryn G. Scholz (Name) 10/11/11 (Date)

Attachments: A Complete SDG File (CSF) Inventory Sheets

TABLE 1
COAKLEY LANDFILL
GROUNDWATER SAMPLING - AUGUST 2011
(PART 3 OF 3)

SAMPLES COLLECTED

Lab ID	Sample ID	Matrix	Tests Performed						
			8260 VOCs	524.2 VOCs	1,4-Dioxane	23 Total Metals	Dissolved Fe/Mn	Ammonia -N	COD
102479.01	GW-MW-9-0811	Water			x	x	x		
102479.02	GW-FPC-6A-0811	Water	x			x	x		
102479.03	GW-FPC-6B-0811	Water	x			x	x		
102479.04	GW-MW-5S-0811(1)	Water	x		x	x	x		
102479.05	GW-MW-5S-DUP-0811	Water	x		x	x	x		
102479.06	GW-MW-5S-FB-0811	Water	x		x	x	x		
102479.07	GW-MW-10-0811	Water				x			
102479.08	GW-MW-11-0811	Water	x		x	x			
102479.09	GW-AE-3A-0811	Water	x		x	x	x		
102479.1	GW-FPC-5A-0811	Water			x	x			
102479.11	GW-FPC-5B-0811	Water			x	x			
102479.12	DW-R-3-0811	Water		x					
102479.13	SW-SW-4-0811	Water		x		x		x	
102479.14	SW-SW-5-0811	Water		x		x		x	
102479.15	SW-SW-103-0811	Water		x		x		x	
102479.16	LC-L-1-0811(1)	Water		x	x	x		x	x
102479.17	LC-L-1-DUP-0811	Water						x	x
102479.18	Trip Blank	Water		x					
102479.19	Trip Blank	Water			x				

1) Field MS/MSD collected at this location.

TABLE 2
COAKLEY LANDFILL
GROUNDWATER SAMPLING - AUGUST 2011
(PART 3 OF 3)

PE SAMPLE RESULTS

Test	Lab Limits	Analysis Date	PE Sample Type	QC Outcome
VOCs 8260B	70-130%	8/29/11	LCS/LCSD	Recoveries within limits for all target analytes except: Carbon disulfide 64% (LCSD) 2,2-Dichloropropane 68% (LCS) and 65% (LCSD)
VOCs 524.2	70-130%	8/23/11	LCS/LCSD	Recoveries within limits for all target analytes except: Bromomethane 60% (LCS) 2,2-Dichloropropane 33% (LCS) and 40% (LCSD) Carbon tetrachloride 62% (LCS) trans-1,3-Dchloropropene 58% (LCS) and 68% (LCSD)
1,4-Dioxane	70-130%	8/26/11	LCS/LCSD	Recoveries within limits for the target analyte
		8/29/11	LCS/LCSD	Recoveries within limits for the target analyte
		8/30/11	LCS/LCSD	Recoveries within limits for the target analyte
Total and Dissolved Metals	85-115%	8/29/11	LCS	Recoveries within limits for all target analytes
		8/31/11	LCS	Recoveries within limits for all target analytes
Ammonia-N	90-110%	9/1/11	LCS/LCSD	Recoveries within limits for the target analyte
COD	85-115%	8/25/11	LCS/LCSD	Recoveries within limits for the target analyte

ATTACHMENT A
COMPLETE SDG FILE (CSF) INVENTORY SHEETS

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102479 (QAA No. PL08)
SDG NOs. TO FOLLOW: none

All documents delivered in the Complete SDG File (CSF) must be original documents where possible.

ITEM	PAGE NUMBER(S)
1. Signed Cover Sheet with NELAC Accreditation	cover
2. SDG Case Narrative	*
3. Sample ID Summary	1
4. Shipping/Receiving Documents	
Airbills (No. of shipments:)	hand delivered
Chain-of-custody records	27-28
Sample tags	NA
Sample log-in sheet (Lab, DC-1)	1
Miscellaneous shipping/receiving records Describe:	NA
5. Internal Lab Sample Transfer Records and Tracking Sheets	
Describe:	NA
6. Other Records	
Percent solids determination log	NA
Telephone communication log	NA
Describe:	NA
7. Comments * Included at the end of each QC report (i.e., blank, spike QC Summary) for each test	

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 10/10/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102479 (QAA No. PL08)
SDG NOs. TO FOLLOW: none

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: VOCs
Method: 8260B

	PAGE NUMBER(S)			
Date/Batch:	8/29/11			
Samples:	2-6,8,9			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	59			
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample: 4)	10-11			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	8-9			
Method Blank (Form IV)	8-9			
GC/MS Instrument Performance Tune (Form V)	31,60			
Internal Standard Area and RT Form VIII)	59			
2. Sample Data				
TCL Results (Form I) (no. analytes: 73)	4-5			
Tentatively Identified Compounds (Form I TIC)	NA			
Raw Data for each sample: Quantitation reports Reconstructed total ion chromatograms (RIC) Raw spectra/background-subtracted spectra of detects Mass spectra of TICs with three best library matches	259-264A1, 271-278A1*			
3. Standards Data				
Initial Calibration Summary (Form VI) (8/11/11 ms5)	33-38			
Quantitation reports and RIC for all standards	2-37A1			
Continuing Calibration Summary (Form VII)	61-64			
Quantitation reports and RIC for all standards	248-250A1			
4. Raw QC Data				
Tune	31,60			
Method Blank	251-252A1			
Lab Control Sample/Lab Control Sample Dup	253-258A1			
Matrix Spike/Matrix Spike Dup	265-270A1			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	30,58			
Internal sample/extract transfer custody records	not incl			
Screening records	NA			
Other instrument output, including strip charts from screening activities Describe:	NA			

6. Comments
LCS/LCSD (lab limits) – %R <LCL for Carbon disulfide (72p/64), 2,2-Dichloropropane (68/65)
*Raw spectra not included, quantitation reports include Q values
Note: Pages numbers preceding ‘A1’ indicate page in Addendum 1 – Coakley Organic Raw Data dated 10/5/11

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 10/10/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102479 (QAA No. PL08)
SDG NOs. TO FOLLOW: none

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: VOCs
Method: 524.2

	PAGE NUMBER(S)			
Date/Batch:	8/23/11			
Samples:	12-16,18			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	52			
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample:)	NA			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	6-7			
Method Blank (Form IV)	6-7			
GC/MS Instrument Performance Tune (Form V)	32,51			
Internal Standard Area and RT Form VIII)	52			
2. Sample Data				
TCL Results (Form I) (no. analytes: 73)	2-3			
Tentatively Identified Compounds (Form I TIC)	NA			
Raw Data for each sample: Quantitation reports Reconstructed total ion chromatograms (RIC) Raw spectra/background-subtracted spectra of detects Mass spectra of TICs with three best library matches	235-246A1*			
3. Standards Data				
Initial Calibration Summary (Form VI) (8/11/11 ms5)	39-43			
Quantitation reports and RIC for all standards	2-37A1			
Continuing Calibration Summary (Form VII)	53-56			
Quantitation reports and RIC for all standards	224-226A1			
4. Raw QC Data				
Tune	32,51			
Method Blank	227-228A1			
Lab Control Sample/Lab Control Sample Dup	229-234A1			
Matrix Spike/Matrix Spike Dup	NA			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	30,50			
Internal sample/extract transfer custody records	not incl			
Screening records	NA			
Other instrument output, including strip charts from screening activities Describe:	NA			

6. Comments
LCS/LCSD (lab limits) – %R <LCL for Bromomethane (60/70p), 2,2-Dichloropropane (33/40), Carbon tet (62/72p), trans-1,3-DCP (58/68)
*Raw spectra not included, quantitation reports include Q values
Note: Pages numbers preceding 'A1' indicate page in Addendum 1 – Coakley Organic Raw Data dated 10/5/11

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 10/10/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102479 (QAA No. PL08)
SDG NOs. TO FOLLOW: none

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: 1,4-Dioxane
Method: 8260B SIM

	PAGE NUMBER(S)			
Date/Batch:	8/26/11	8/29/11	8/30/11	
Samples:	5,8	1,4,6, 9,10,19	11,16	
1. QC Summary				
Deuterated Monitoring Compound (Form II)	67	71	75	
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample: 4)	NA	16	NA	
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	14	15	17	
Method Blank (Form IV)	14	15	17	
GC/MS Instrument Performance Tune (Form V)	46,68	46,72	46,76	
Internal Standard Area and RT Form VIII)	67	71	75	
2. Sample Data				
TCL Results (Form I) (no. analytes: 1)	12	13	13	
Tentatively Identified Compounds (Form I TIC)	NA	NA	NA	
Raw Data for each sample: Quantitation reports Reconstructed total ion chromatograms (RIC) Raw spectra/background-subtracted spectra of detects Mass spectra of TICs with three best library matches	288-291A1*	300-301A1, 306-319A1*	328-331A1*	
3. Standards Data				
Initial Calibration Summary (Form VI) (8/15/11 ms2)	47-48	47-48	47-48	
Quantitation reports and RIC for all standards	39-52A1	39-52A1	39-52A1	
Continuing Calibration Summary (Form VII)	69	73	77	
Quantitation reports and RIC for all standards	280-281A1	292-293A1	320-321A1	
4. Raw QC Data				
Tune	46,68	46,72	46,76	
Method Blank	286-287A1	298-299A1	326-327A1	
Lab Control Sample/Lab Control Sample Dup	282-285A1	294-297A1	322-325A1	
Matrix Spike/Matrix Spike Dup	NA	302-305A1	NA	
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	45,66	45,70	45,74	
Internal sample/extract transfer custody records	not incl	not incl	not incl	
Screening records	NA	NA	NA	
Other instrument output, including strip charts from screening activities Describe:	NA	NA	NA	

6. Comments
LCS/LCSD (lab limits) – P/P
*Raw spectra not included, quantitation reports include Q values
Note: Pages numbers preceding 'A1' indicate page in Addendum 1 – Coakley Organic Raw Data dated 10/5/11

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 10/10/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102479 (QAA No. PL08)
SDG NOs. TO FOLLOW: none

INDUCTIVELY COUPLED PLASMA/ MASS SPECTROMETRY (ICP-MS)
Parameter: 23 Total, Fe/Mn Dissolved
Method: 200.8

	PAGE NUMBER(S)			
Date/Batch:	8/29/11	8/31/11		
Samples:	1-11,13-16*	1-11,13-16**		
1. Cover Sheet	not reqd	not reqd		
2. Sample Data Sheet (Form I)	20-24	20-24		
3. Initial/Continuing Calibration Verification (Form IIA)	99-112	113-115		
4. CRQL Standard (From IIB)	not reqd	not reqd		
5. Blanks (Form III)	24,26 85-92	24 93-97		
6. Interference Check Sample (Form IVB)	117	118		
7. Matrix Spike Sample (Form VA) (Parent Sample: 04 Total, 04 Diss)	25,26 with MSD	25 with MSD		
8. Post-Digestion Spike Sample (Form VB)	not reqd	not reqd		
9. Duplicates (Form VI)	25,26 as MSD	25		
10. Laboratory Control Sample (Form VII)	24,26	24		
11. Serial Dilutions (Form VIII)	not reqd	not reqd		
12. Method Detection Limits (Annually) (Form IX)	not reqd	not reqd		
13. Linear Ranges (Quarterly) (Form XI)	not reqd	not reqd		
14. Preparation Log (Form XII)	not reqd	not reqd		
15. Analysis Run Log (Form XIII)	not reqd	not reqd		
16. ICP-MS Tune (Form XIV)	122-123	128-129		
17. IPC-MS Internal Stds Relative Intensity (Form XV)	79-81	82-83		
18. ICP-MS Raw Data	992-1372A2, 1478-1561A2	1563- 1826A2		
19. Preparation Logs Raw Data	124	124		
20. Original prep/analysis forms or copies of logbook pgs	119-121	125-127		

21. Comments
LCS (lab limits) – P
*Dissolved metals not requested for sample 7,8,10,11,13-16
**For Be,Cu,Ni,Se,Zn (total)
Note: Pages numbers preceding ‘A2’ indicate page in Addendum 2 – Coakley Metals Raw Data dated 10/7/11

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) (Name and Company) 10/10/11 (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 102479 (QAA No. PL08)
SDG NOs. TO FOLLOW: none

WET CHEMISTRY

	PAGE NUMBER(S)			
Parameter/Method:	NH3-N 4500D	COD H8000		
Date/Batch:	9/1/11	8/25/11		
Samples:	13-17	16-17		
1. Sample Data Sheet (Form I)	18	18		
2. Initial/Continuing Calibration Verification (Form II)	133	131		
3. Blanks (Form III)	19	19		
4. Matrix Spike Sample (Form V) (Parent Sample: 16/ext)	19 w/MSD	19 w/MSD		
5. Duplicates (Form VI)	NA	NA		
6. Laboratory Control Sample (Form VII)	19 w/LCSD	19 w/LCSD		
7. Raw Data	133	131		
8. Original prep/analysis forms or copies of logbook pgs	133	132		
9. Comments LCS/LCSD (lab limits) – P/P				

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) (Name and Company) 10/10/11 (Date)