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

2010 ANNUAL REPORT
Coakley Landfill
480 Breakfast Hill Road
North Hampton, NH

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

Prepared For:
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Date of Report: April 25, 2011

Kevin McKibben

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Date: 2011.04.28 13:03:43 -04'00'

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*) : 2010
- ☐ 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: Multiple wells/1,4-Dioxane
- ☐ 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.*)

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.

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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 exception 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 not performed in August 2010. Discrete interval sampling of these wells was performed in November 2010. Sampling and monitoring for the full list of required parameters was performed in February 2011.

2.0 AUGUST 2010 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**. Water level measurements were performed on August 16 and 17, 2010. Meters for measurement of field stabilization parameters were calibrated daily with subsequent checks to confirm that calibration had been maintained. Calibration sheets are included in **Section 2**.

Sampling was performed from August 16 – 20, 2010. With the exception noted below for MW-4, 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 0.5 liters per minute. Purging times ranged from 30 minutes to 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 HydroLab Quanta 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. A Lamotte 2020e turbidity meter was calibrated at the beginning of each day and zeroed at each well. Water for measurement of turbidity was obtained using a "T" 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. Samples were also collected from domestic wells R-3 and R-5, located at 399 and 364 Breakfast Hill Road, respectively. The water was allowed to run for approximately 10 minutes prior to sampling. Measurements were collected for the above-described stabilization parameters.

The depth to water in well MW-4 was too great to allow sampling using the peristaltic pump. Therefore, MW-4 was purged and sampled using a dedicated disposable bailer. Purging of MW-4 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 Quanta calibration cup with water from the well.

Upon collection, each water sample was placed in pre-cleaned laboratory-supplied glassware and plastic containers, preserved as appropriate for target compounds. Samples for analysis of dissolved metals were field filtered with one-time use in-line 0.45-micron filters prior to preservation. 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. 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 2010.

The leachate sample was 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.

Surface water sample locations SW-4, SW-5, and SW-103 were dry in August 2010 and therefore surface water samples could not be collected at these locations. 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), total 23 TAL metals, and for dissolved iron and manganese. The duplicate sample from MW-5S was also analyzed for 1,4-dioxane, ethylene dibromide (EDB), and dibromochloropropane (DBCP).

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, total TAL metals, and dissolved iron and manganese. The MS and MSD samples collected from MW-5S were also used for QA/QC for 1,4-dioxane, EDB, and DBCP.

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 blanks were collected 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, total TAL metals, and for dissolved iron and manganese. The field blank sample collected after well MW-5S was also analyzed for 1,4-dioxane, EDB, and DBCP.

A Tubing equipment rinse blank was collected by filling a section of new tubing with deionized water. The water was allowed to remain in the tubing for approximately 5 minutes and then placed into the sample containers. The tubing equipment blank was analyzed for VOCs, total TAL metals, dissolved iron and manganese, 1,4-dioxane, EDB, and DBCP.

Each set of samples sent to the laboratory was accompanied by a trip blank that was 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 NOVEMBER 2010 SAMPLING PROCEDURES

A proposed scope of work for sampling of monitoring wells BP-4, MW-6, and GZ-125, dated October 18, 2010 was prepared by Provan & Lorber and conditionally approved by the EPA in a letter dated October 21, 2010. A revised SOP was submitted on October 25, 2010.

3.1 Sampling Procedures

On November 9 & 10, 2010, discrete interval sampling of BP-4, MW-6, and GZ-125 was performed to determine the optimal depth for future sampling of these wells, as outlined in the proposed scope of work dated October 25, 2010 and accompanying Standard Operating Procedure.

Samples were collected at 10-foot intervals in well BP-4 from 39 to 89 feet and at 97 feet, as proposed. Samples were collected at 10-foot intervals in well MW-6 from 30 to 160 feet. Well MW-6 appeared to be filled in at a depth of 167 feet below grade. Therefore, the proposed 170-foot and 180-foot samples could not be collected. Samples were collected at 10-foot intervals in well GZ-125 from 62 to 182 feet. Sampler refusal appeared to occur below this depth and the proposed 192-foot sample could not be collected. However, floating of the sampler appeared to also be occurring, making continued lowering of the sampler difficult. This appeared to be due to the length of air-filled tubing connected to the sampler.

All sampling was performed using a 1.66" x 2' Solinst® Discrete Interval Sampler which was pressurized using a bicycle pump following the procedures outlined in the SOP included in the October 25, 2010 proposed procedures.

Upon collection, each water sample was placed in pre-cleaned laboratory-supplied 4-ounce plastic containers containing nitric acid as a preservative. Samples were packaged on ice in a shipping cooler and delivered to Eastern Analytical Inc. in Concord, NH for laboratory analysis of total arsenic and manganese.

3.2 Quality Control Samples

Duplicate, matrix spike, and matrix spike duplicate samples were collected from BP-4 at a depth of 49 feet and from MW-6 at a depth of 60 feet. Field blank samples were prepared following sampling of BP-4 at 97 feet and MW-6 at 90 feet. An equipment blank sample was collected following collection of the final sample from BP-4 and standard equipment decontamination. All QA/QC samples were analyzed for total arsenic and manganese.

Following collection of the sample from MW-6 at a depth of 160 feet, the sampler was prepared for collection of the 170-foot sample. The sampler was lowered to the total depth of the well. Following determination that the 170-foot sample could not be collected, the sampler was returned to the surface without depressurizing. Once at the surface, the sampler pressure was released and the sampler opened. The sampler was observed to be empty, confirming that water had not entered the sampler during the lowering or raising process. This process confirmed that water was only entering the sampler at the desired sampling depth during depressurization of the sampler.

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

4.0 FEBRUARY 2011 MONITORING AND SAMPLING PROCEDURES

In response to the November 2010 discrete interval sampling, the EPA and NHDES requested modifications to the Discrete Interval Sampler SOP. Based on these letters and results of the November 2010 sampling, recommendations for subsequent sampling depths and a revised SOP were prepared by Provan & Lorber, dated January 24, 2011. The proposed sampling depths and revised SOP were approved by the EPA in a letter dated January 28, 2011.

4.1 Sampling Procedures

On February 8, 2011, sampling of BP-4, MW-6, and GZ-125 was performed. Prior to sampling, the depth to water was measured for determination of the sampler pressurization requirements. 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 24, 2011 proposed 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.

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. Samples were packaged on ice in a shipping cooler and delivered to Eastern Analytical Inc. in Concord, NH for laboratory analysis. Samples were analyzed following the schedule outlined in the EMP, included in **Section 1**.

Following collection of samples for laboratory analyses, field monitoring for the following parameters was performed: temperature, pH, specific conductance, oxidation

reduction potential (ORP), dissolved oxygen, and turbidity. Field readings are included on **Tables 2 and 3**. Field data sheets are included in **Section 2**.

4.2 Quality Control Samples

Duplicate samples were collected from GZ-125 and analyzed for VOCs, total 23 TAL metals, and for dissolved iron and manganese. Duplicate samples were collected from BP-4 and analyzed for 1,4-dioxane, EDB, and DBCP.

MS and MSD samples were also collected from GZ-125 for use in QA/QC for VOCs, total TAL metals, and dissolved iron and manganese. MS and MSD samples were collected from BP-4 for used in QA/QC for 1,4-dioxane, EDB, and DBCP.

Following sampling of GZ-125 and decontamination, an equipment blank was collected from the sampler by pouring deionized water into the top of the sampler and dispensing the water 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.

A field blank was prepared following preparation of the equipment blank. The sample was collected by pouring deionized water into the sample containers and the samples were placed with the other samples collected from the Site. Both the field blank and equipment blank samples were analyzed for VOCs, total TAL metals, dissolved iron and manganese, 1,4-dioxane, EDB, and DBCP.

The samples were also accompanied by trip blanks that were analyzed for VOCs, 1,4-dioxane, EDB, and DBCP.

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

5.0 FINDINGS

5.1 Discrete Interval Sampling Results

Water collected from all the samples from BP-4 was clear. All samples collected from MW-6 were orange and cloudy. Sediments were observed in the sample containers after a period of time following sample collection and the sampled water appeared fairly clear after sitting for several hours. The majority of the sediments would be consistent with rust particles scraped from the well casing in the upper portion of well during lowering of the sampler. Some orange cloudiness was observed in all samples collected from GZ-125, with increased cloudiness observed in the uppermost samples.

Concentrations of arsenic and manganese in BP-4 were fairly consistent throughout the depth of the well. Slightly higher arsenic concentrations were obtained at a depth of 49

feet. Concentrations of manganese in MW-6 were greatest at depths of 130 to 160 feet. Concentrations of arsenic were greatest from 110 to 160 feet, with the highest concentration at 150 feet. Concentrations of manganese in GZ-125 were greatest at 72 and 82 feet. Concentrations of arsenic were at or below the laboratory reporting limit for samples collected from GZ-125. Analytical results of the discrete interval sampling for the three 6-inch diameter wells are summarized on **Table 6**. The laboratory report is included in **Section 3**.

5.2 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 2010 water table data for overburden wells and bedrock wells are illustrated in **Figures 3 and 4**, respectively. Groundwater elevations decreased an average of 1.30 feet in overburden wells and an average of 1.33 feet in bedrock wells between the August 2009 and August 2010 sampling events. An upward hydraulic gradient was observed at well pairs MW-5S/5D, AE-2A/B, AE-3A/B, FPC-2A/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-4A/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, MW-11, 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 concentrations of benzene and tetrahydrofuran 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-6A, FPC-9A, FPC-11B, 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, FPC-11B, GZ-105, GZ-123, AE-1A, AE-1B, AE-2A, AE-2B, AE-3A, and AE-3B.

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

Concentrations of dissolved manganese were typically equal to or slightly less than concentrations of total manganese. Concentrations of dissolved metals exceeded ICLs where concentrations of total metals exceeded ICLs. Concentrations of dissolved iron were equal to or less than concentrations of total iron. For some wells, concentrations of dissolved iron were significantly less than concentrations of total iron, while for other wells total and dissolved iron concentrations were similar.

1,4-Dioxane was detected in samples collected from 13 of 15 monitoring wells at concentrations as high as 230 micrograms per liter (µg/l). Concentrations of 1,4-dioxane were generally greater in bedrock wells, compared to adjacent overburden wells. 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.

Ethylene dibromide (EDB) and dibromochloropropane (DBCP) were not detected at the lower detection limits by EPA Method 8011/504.

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 samples collected from the residential wells. 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**. Graphs illustrating contaminant concentrations over time for arsenic, manganese, and benzene in selected wells are included in **Section 4**. The lateral distributions of 1,4-dioxane in overburden and bedrock wells are illustrated on **Figure 9**.

5.3 Surface Water Results

Concentrations of iron and ammonia exceeded the DES chronic surface water standards at leachate location L-1. The concentration of ammonia was below the acute surface water standard. An acute surface water standard has not been established for iron.

1,4-Dioxane was detected in the leachate sample at a concentration of 20 µg/l, exceeded the New Hampshire AGQS. A site-specific ICL has not been established for 1,4-dioxane. EDB and DBCP were not detected.

Leachate results are summarized on **Table 5**. The laboratory reports are included in **Section 3**. Surface water sample locations SW-4, SW-5, and SW-103 were dry in August 2010 and therefore could not be sampled.

5.4 Quality Control Sample Results

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

Methylene Chloride was detected in the tubing blank and field blank samples prepared on August 19, 2010 at concentrations of 12 µg/l and 11 µg/l, respectively. Methylene Chloride was detected in the field blank sample prepared on August 20, 2010 at a concentration of 9 µg/l. Methylene Chloride was not detected in groundwater samples collected at the Site.

Calcium was detected in the tubing blank and field blank samples prepared on August 19, 2010 at concentrations of 0.09 mg/l and 0.09 mg/l, respectively. Calcium was detected in the field blank sample prepared on August 20, 2010 at a concentration of 0.07 mg/l. The lowest concentration of calcium detected in groundwater samples collected for the Site was 4.7 mg/l, considerably above the concentrations detected in the blank samples.

5.5 Data Validation Review

Sample GW-FPC-8B-0810 was collected on 8/19/10, but was reported on the laboratory report as sampled on 8/17/10. Sample DW-R-3-0810 was collected on 8/17/10, but was reported as sampled on 8/19/10. Metals raw data was missing from the original laboratory report for the February 8, 2011 sampling event. This data was subsequently supplied by the laboratory and is included with the original laboratory report. The data validation reports are included in **Section 6**.

6.0 TRENDS AND CLEANUP PROGRESS

Concentrations of manganese exceeded ICLs in samples collected from all eleven monitoring wells in OU-1. Concentrations of arsenic exceeded ICLs in samples collected from 10 of the 11 wells in OU-1. The concentrations of benzene and tetrahydrofuran exceeded the ICL in OU-1 well MW-8.

Concentrations of manganese exceeded ICLs in samples collected from 13 of the 25 monitoring wells in OU-2. Concentrations of arsenic equaled or exceeded ICLs in samples collected from 10 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 17 wells and decreased in 5 wells relative to the 2009 sampling event. Concentrations of manganese increased in 15 wells and decreased in 17 wells relative to the 2009 sampling event.

Mann-Kendall data evaluations were performed 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 collected in February 2011 is shown as included in the August 2010 sampling event. This change of date does not affect the trend analysis. The most recent 16 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 10 wells, increasing trends for 6 wells, and no trend for 3 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 observed for all 5 wells. 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. Data sheets for the Mann-Kendall evaluation are included in **Section 5**. A summary of results by wells and compounds is also included.

1,4-Dioxane was detected in samples collected from 11 of 15 monitoring wells at concentrations exceeding the New Hampshire 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.

7.0 SUMMARY AND CONCLUSIONS

Based on data collected at the Site during 2010 and February 2011, Provan & Lorber concludes the following:

- Water samples were collected from 33 monitoring wells, 1 leachate location, and 2 domestic wells in August 2010. The 3 surface water locations were dry and therefore could not be sampled.
- Discrete interval sampling was performed for the three 6-inch diameter monitoring wells in November 2010 to determine the best sampling depth for future sampling events.
- Concentrations of arsenic and manganese were fairly consistent throughout the depth of the three 6-inch monitoring wells. Slightly higher concentrations were observed at depths of 49 feet in BP-4, at 130 to 160 feet in MW-6, and at 72 and 82 feet in GZ-125.
- Sampling of the three 6-inch monitoring wells was performed in February 2011.
- Groundwater flows in both overburden and bedrock wells were calculated to be westerly to northwesterly during the August 2010 monitoring event, consistent with previous monitoring events.
- An upward hydraulic gradient was observed at well pairs MW-5S/5D, FPC-2A/B, FPC-5A/B, FPC-6A/B, FPC-11A/B, AE-2A/B, AE-3A/B, and GZ-123/GZ-125. Downward hydraulic gradients were observed in well pairs FPC-7A/B, FPC-8A/B, AE-1A/B, and AE-4A/B.
- 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 exceedences were for arsenic and manganese. Exceedences were also noted for benzene and tetrahydrofuran.

- 1,4-Dioxane was detected in 11 of 15 samples from monitoring wells and in the leachate sample at concentrations exceeding the New Hampshire AGQS. An ICL has not been established for the site. EDB and DBCP were not detected.
- Mann-Kendall data evaluations were performed for arsenic at 19 wells, for manganese at 19 wells, and for benzene at 5 wells, with data from the most recent 16 sampling events used.
- For arsenic, decreasing trends were calculated for 10 wells, increasing trends for 6 wells, and no trend for 3 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 observed for all 5 wells.
- 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.
- NHDES surface water standards were exceeded for iron and ammonia in the leachate sample collected in 2010. 1,4-Dioxane was detected in the leachate sample at a concentration exceeding the New Hampshire AGQS.
- Surface water locations SW-4, SW-5, and SW-103 were dry and therefore could not be sampled in August 2010.
- Variations in duplicate samples met accepted criteria. Target compounds were not detected in any of the trip blank samples.
- Methylene chloride was detected in the tubing blank sample and both field blank samples at similar concentrations. Methylene chloride was not detected in any groundwater samples collected at the Site.
- Calcium was detected in tubing and trip blank samples at concentrations as high as 0.09 mg/l. The lowest concentration of calcium detected in groundwater samples collected at the Site was 4.7 mg/l, considerably above the concentration detected in the blank samples.
- Based on this data, cross contamination does not appear to be an issue for the Site. The presence of methylene chloride and/or calcium in the blank samples does not appear to impact the conclusions for the Site.

8.0 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 2011.

- Additional analyses for 1,4-dioxane should be performed. To further characterize the extent of impact and monitor temporal trends, we recommend the sampling of overburden wells MW-4, MW-5S, MW-9, FPC-5A, FPC-7A, FPC-8A, AE-1A, AE-3A, OP-5, and OP-2 and bedrock wells BP-4, MW-5D, MW-6, MW-8, MW-11, FPC-5A, FPC-7A, FPC-8B, AE-1B, AE-2B, and AE-3B for 1,4-dioxane during the August 2011 sampling event.
- No further analysis for EDB and DBCP is recommended.

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

Sincerely,

Kevin McKibben

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

W:\P0081 Coakley Landfill\DOCS\REPORTS\Annual Rpt 2010.doc

FIGURES

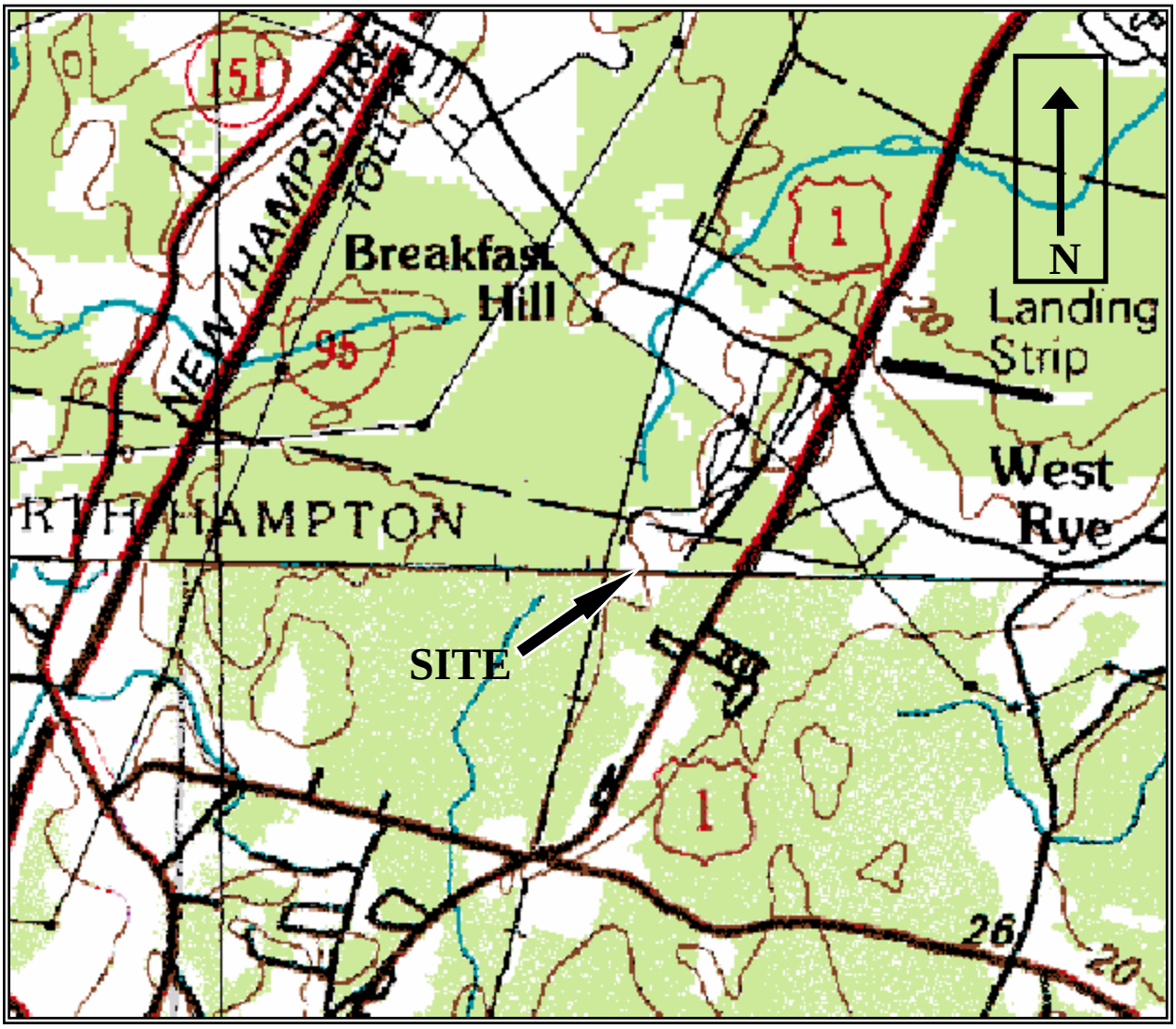


Image courtesy of the U.S. Geological Survey

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

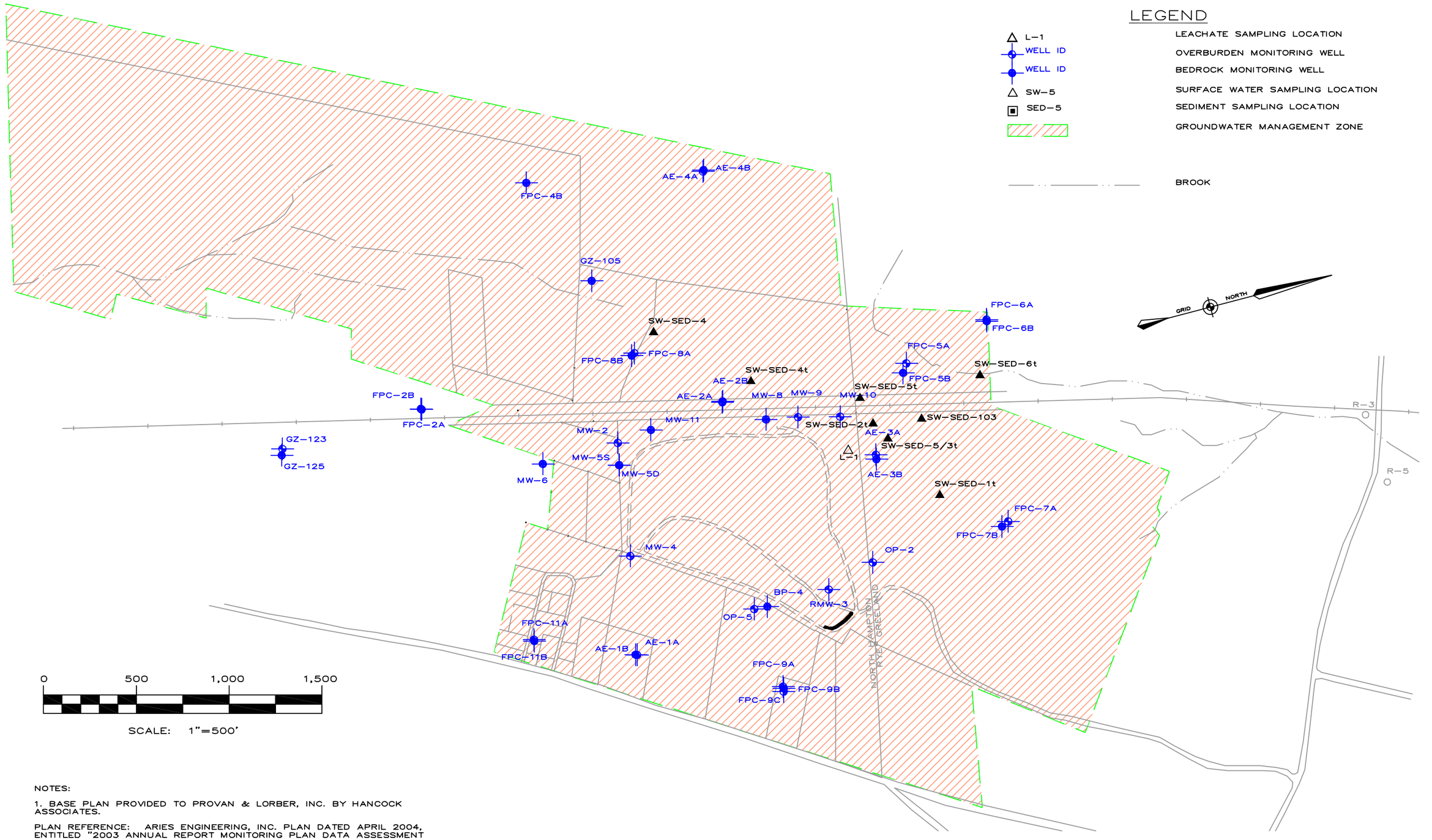
Figure 1

LOCATION MAP

Coakley Landfill

North Hampton, NH

Provan & Lorber, Inc.
Project P0081 February 2011



NOTES:

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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.

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

NO.	DATE	REVISION	ENG	DWG

Provan & Lorber, Inc.
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Contoocook, NH
PO Box 389
03229
603 746-3220

Littleton, NH
101 Cottage Street
03561
603 444-6301

COAKLEY LANDFILL
NORTH HAMPTON, NH

SITE PLAN

DATE	
FEBRUARY 2011	
ENG. BY: ENG	DRWN. BY: DRWN
CHKD.BY: KMM	PROJ. NO.: P0081

FIGURE 2

LEGEND

WELL ID
ELEV.
OVERBURDEN MONITORING WELL

GROUNDWATER MANAGEMENT ZONE

ELEV. CONTOUR

BROOK

CONTOURS BASED ON DATA COLLECTED
AUGUST 2010

GRID NORTH

AE-4A
71.49'

FPC-6A
68.68'

FPC-8A
71.62'

FPC-5A
72.73'

AE-2A
73.76'

MW-9
74.64'

MW-10
74.21'

FPC-2A
75.62'

GZ-123
77.05'

MW-2
87.88'

MW-5S
86.16'

AE-3A
77.30'

FPC-7A
80.39'

MW-4
96.93'

OP-2
90.99'

RMW-3

OP-5
96.91'

FPC-11A
96.50'

AE-1A
96.74'

FPC-9A
96.37'

FPC-9C
96.75'

75.0'

80.0'

85.0'

90.0'

95.0'

70.0'

GROUNDWATER FLOW DIRECTION

NORTH HAMPTON RIVER GREENLAND

R-3

R-5

0 500 1,000 1,500

SCALE: 1"=500'

NOTES:

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COAKLEY LANDFILL
NORTH HAMPTON, NH

OVERBURDEN GROUNDWATER ELEVATION CONTOUR MAP
AUGUST 2010

DATE	
FEBRUARY 2011	
ENG. BY KMM	DRWN. BY DRWN
CHKD.BY KMM	PROJ. NO. P0081

FIGURE 3

LEGEND

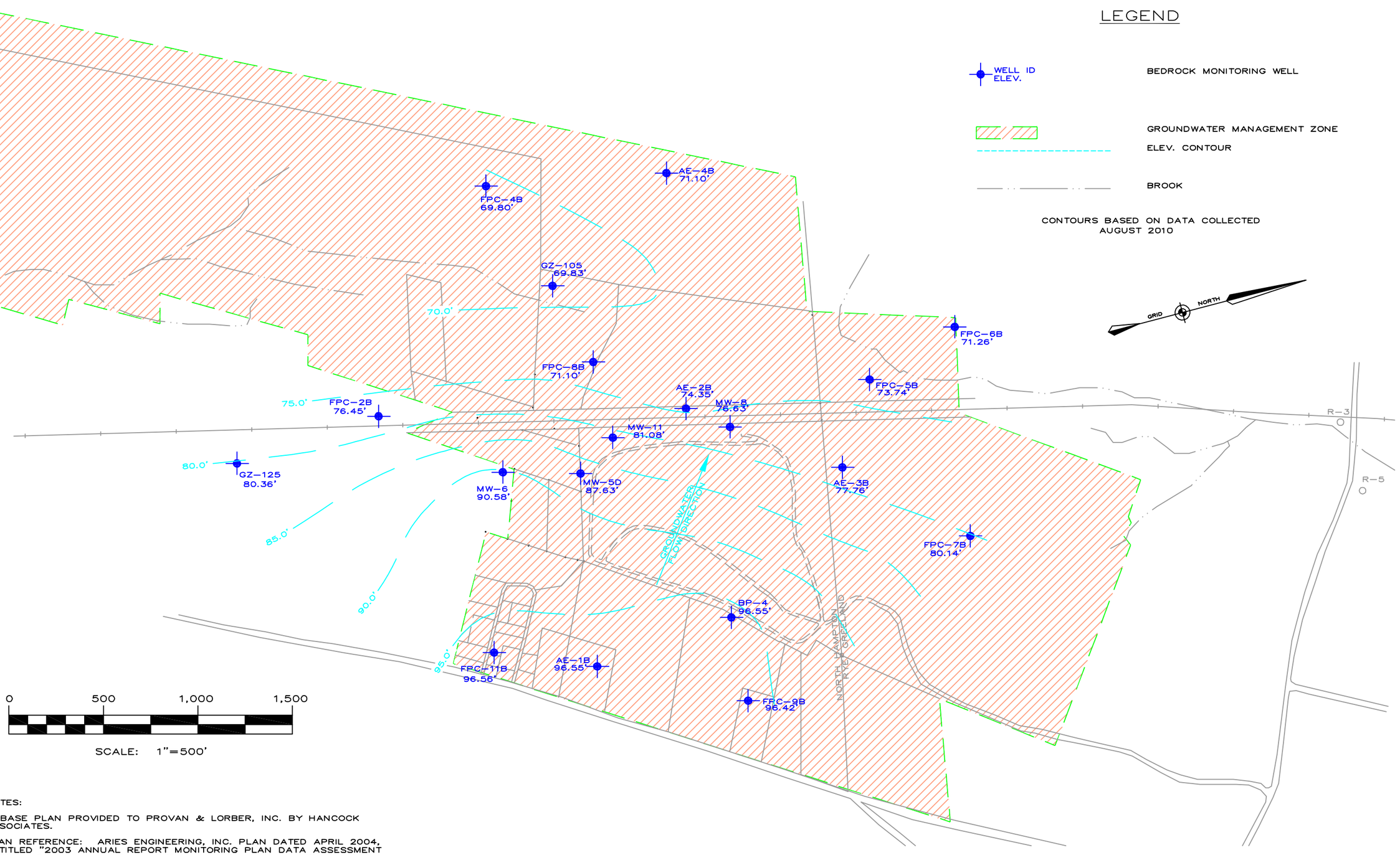
WELL ID
ELEV.
BEDROCK MONITORING WELL

GROUNDWATER MANAGEMENT ZONE

ELEV. CONTOUR

BROOK

CONTOURS BASED ON DATA COLLECTED
AUGUST 2010



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COAKLEY LANDFILL
NORTH HAMPTON, NH

BEDROCK GROUNDWATER
ELEVATION CONTOUR MAP
AUGUST 2010

DATE	FEBRUARY 2011
ENG. BY	KMM
DRWN. BY	DRWN
CHKD.BY	KMM
PROJ. NO.	P0081

FIGURE 4

LEGEND

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

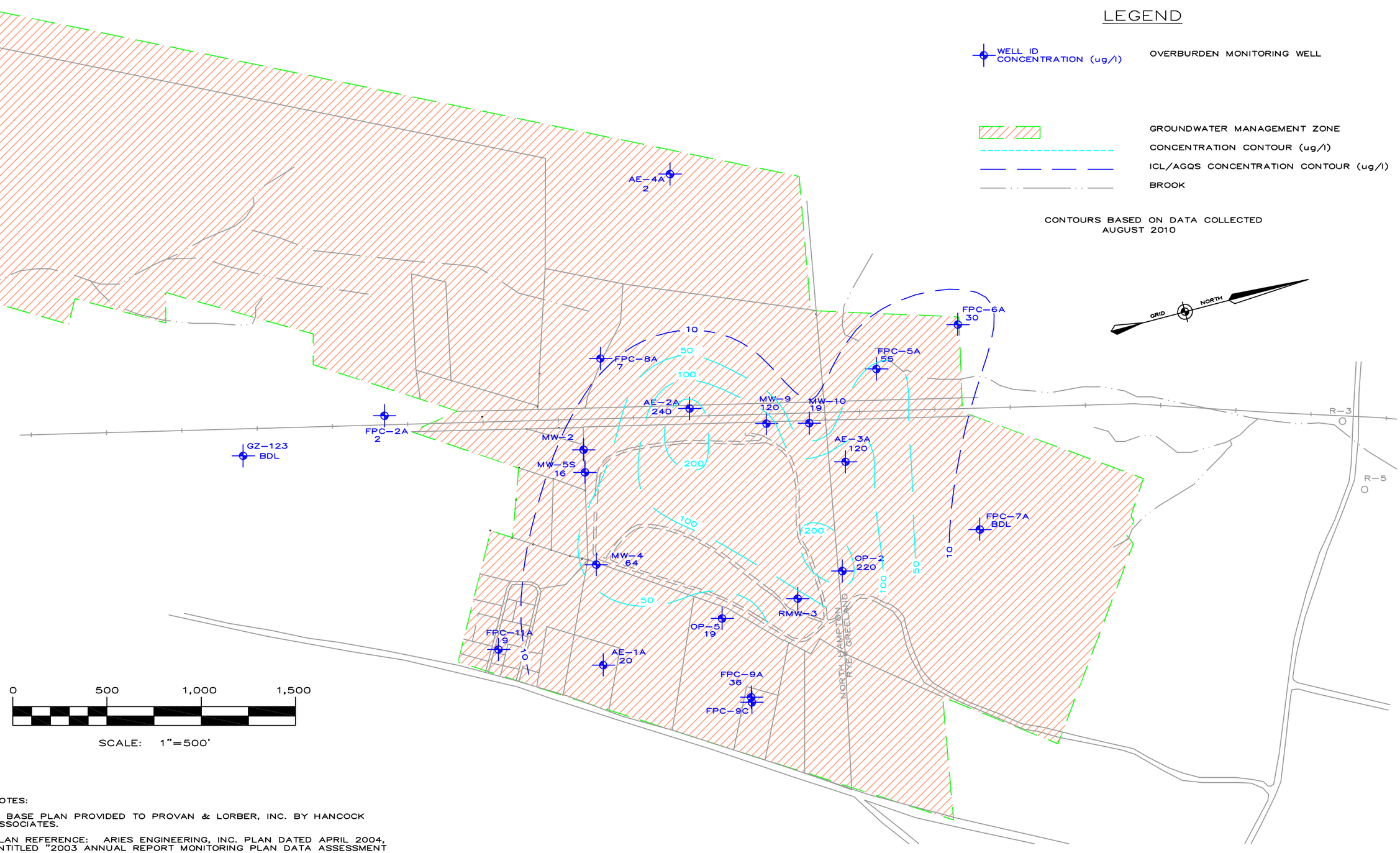
GROUNDWATER MANAGEMENT ZONE

CONCENTRATION CONTOUR (ug/l)

ICL/AGQS CONCENTRATION CONTOUR (ug/l)

BROOK

CONTOURS BASED ON DATA COLLECTED
AUGUST 2010



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COAKLEY LANDFILL
NORTH HAMPTON, NH

ARSENIC CONCENTRATIONS
OVERBURDEN WELLS
AUGUST 2010

DATE	FEBRUARY 2011
ENG. BY KMM	DRWN. BY DRWN
CHKD.BY KMM	PROJ. NO. P0081

FIGURE 5

LEGEND

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

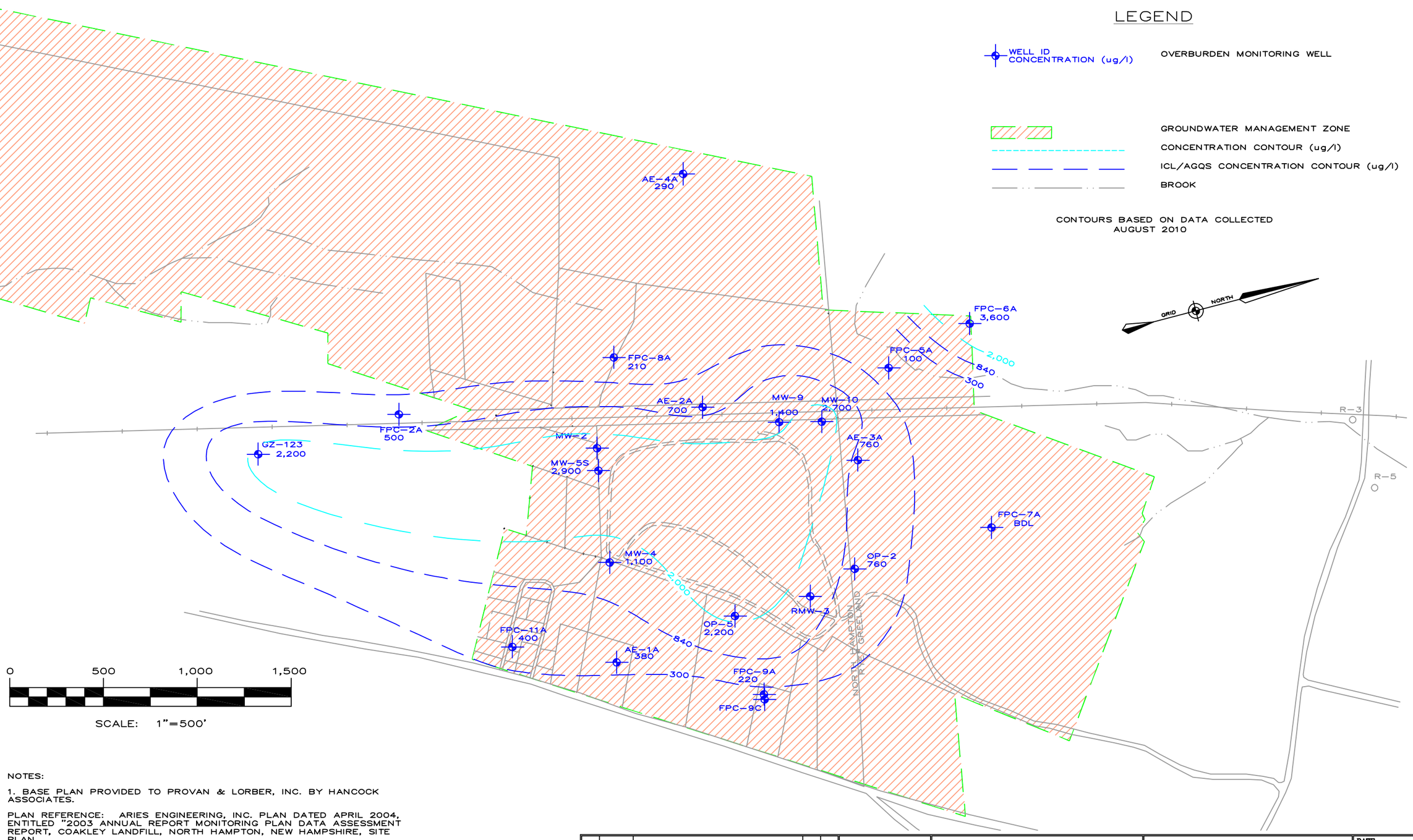
GROUNDWATER MANAGEMENT ZONE

CONCENTRATION CONTOUR (ug/l)

ICL/AGQS CONCENTRATION CONTOUR (ug/l)

BROOK

CONTOURS BASED ON DATA COLLECTED
AUGUST 2010



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COAKLEY LANDFILL
NORTH HAMPTON, NH

MANGANESE CONCENTRATIONS
OVERBURDEN WELLS
AUGUST 2010

DATE: FEBRUARY 2011	
ENG. BY: KMM	DRWN. BY: DRWN
CHKD.BY: KMM	PROJ. NO.: P0081

FIGURE 6

LEGEND

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

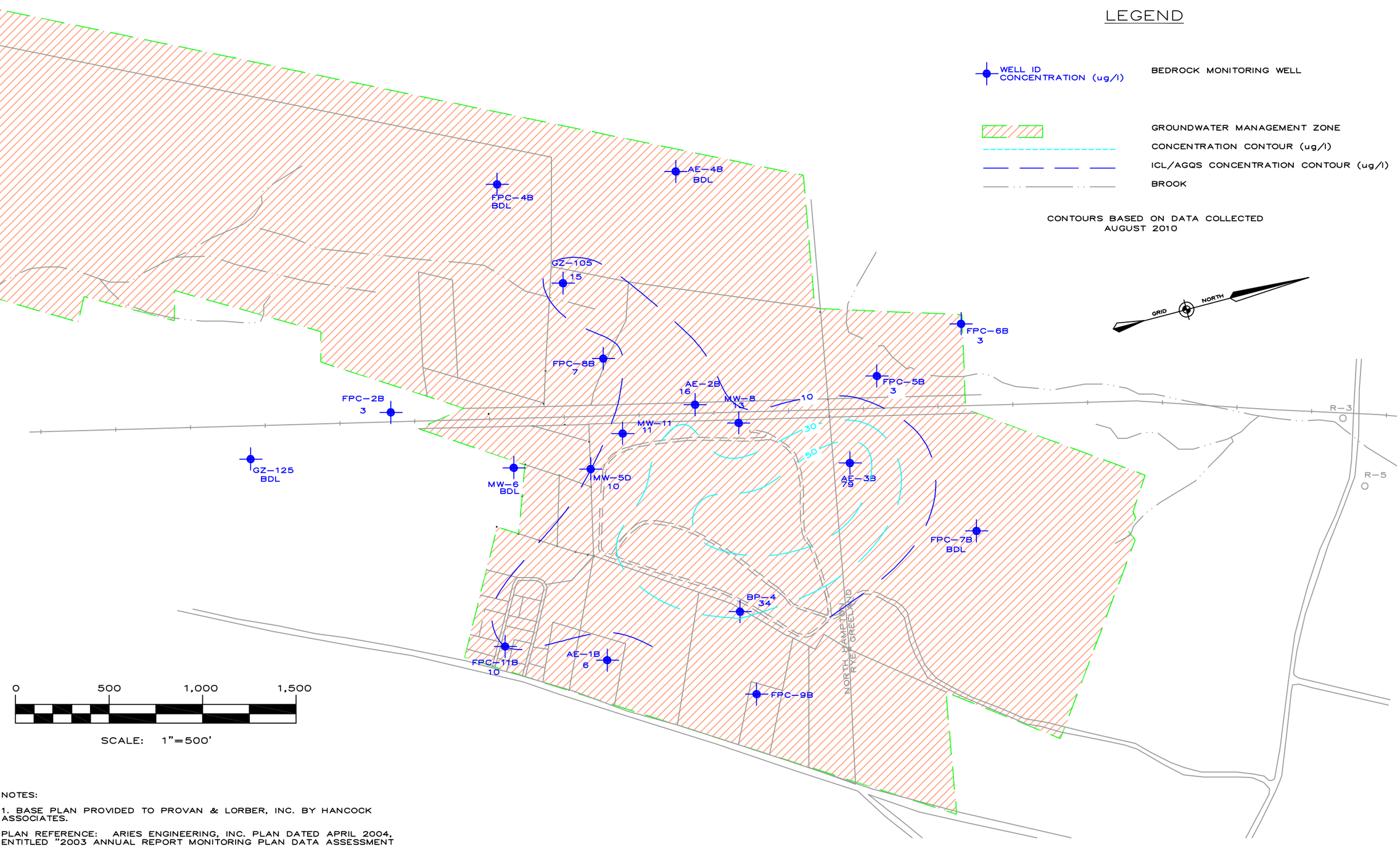
GROUNDWATER MANAGEMENT ZONE

CONCENTRATION CONTOUR (ug/l)

ICL/AGQS CONCENTRATION CONTOUR (ug/l)

BROOK

CONTOURS BASED ON DATA COLLECTED
AUGUST 2010



SCALE: 1"=500'

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COAKLEY LANDFILL
NORTH HAMPTON, NH

ARSENIC CONCENTRATIONS
BEDROCK WELLS
AUGUST 2010

DATE	FEBRUARY 2011
ENG. BY KMM	DRWN. BY DRWN
CHKD.BY KMM	PROJ. NO. P0081

FIGURE 7

LEGEND

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

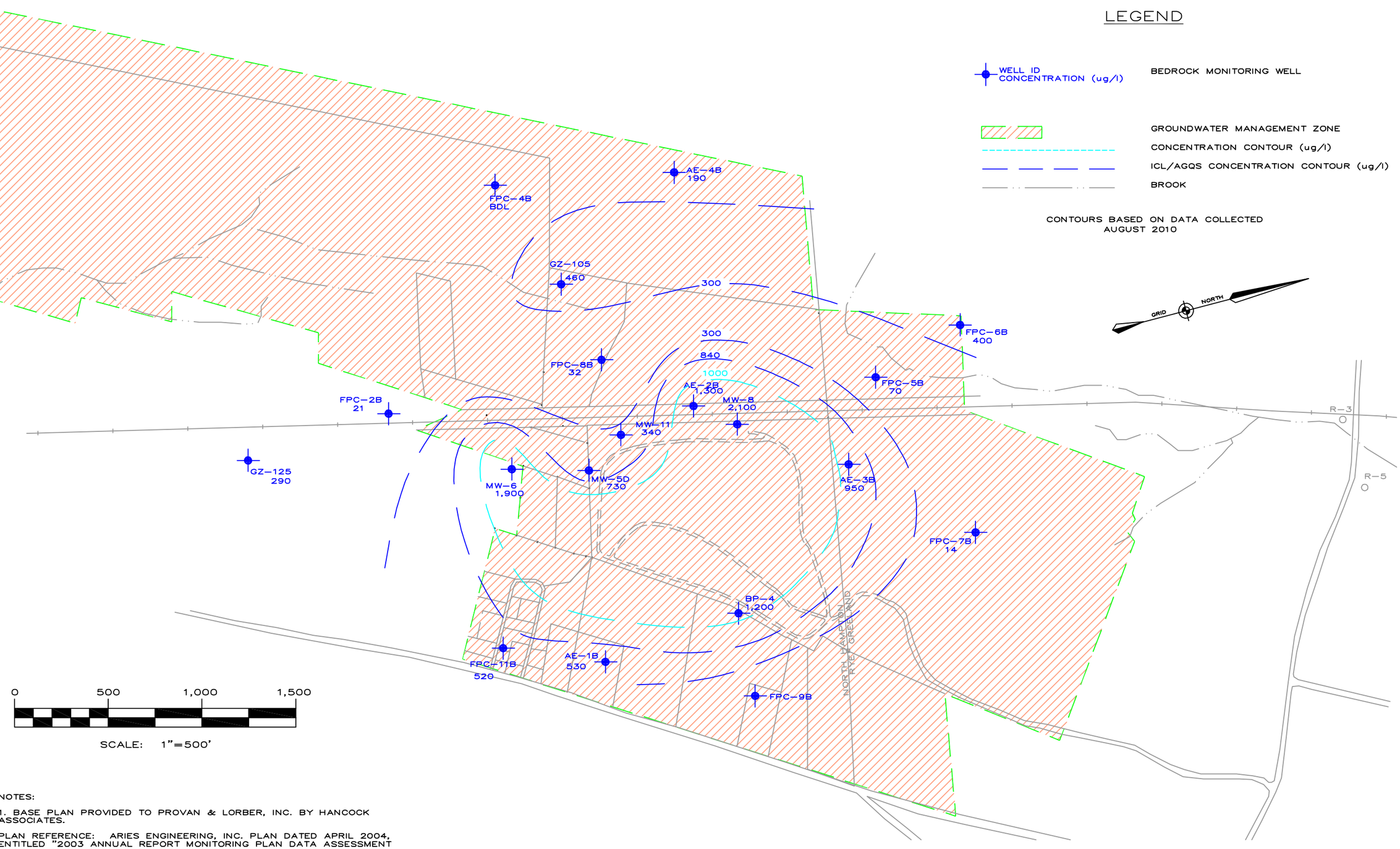
GROUNDWATER MANAGEMENT ZONE

CONCENTRATION CONTOUR (ug/l)

ICL/AGQS CONCENTRATION CONTOUR (ug/l)

BROOK

CONTOURS BASED ON DATA COLLECTED
AUGUST 2010



0 500 1,000 1,500

SCALE: 1"=500'

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COAKLEY LANDFILL
NORTH HAMPTON, NH

MANGANESE CONCENTRATIONS
BEDROCK WELLS
AUGUST 2010

DATE	
FEBRUARY 2011	
ENG. BY KMM	DRWN. BY DRWN
CHKD.BY KMM	PROJ. NO. P0081

FIGURE 8

LEGEND

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

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

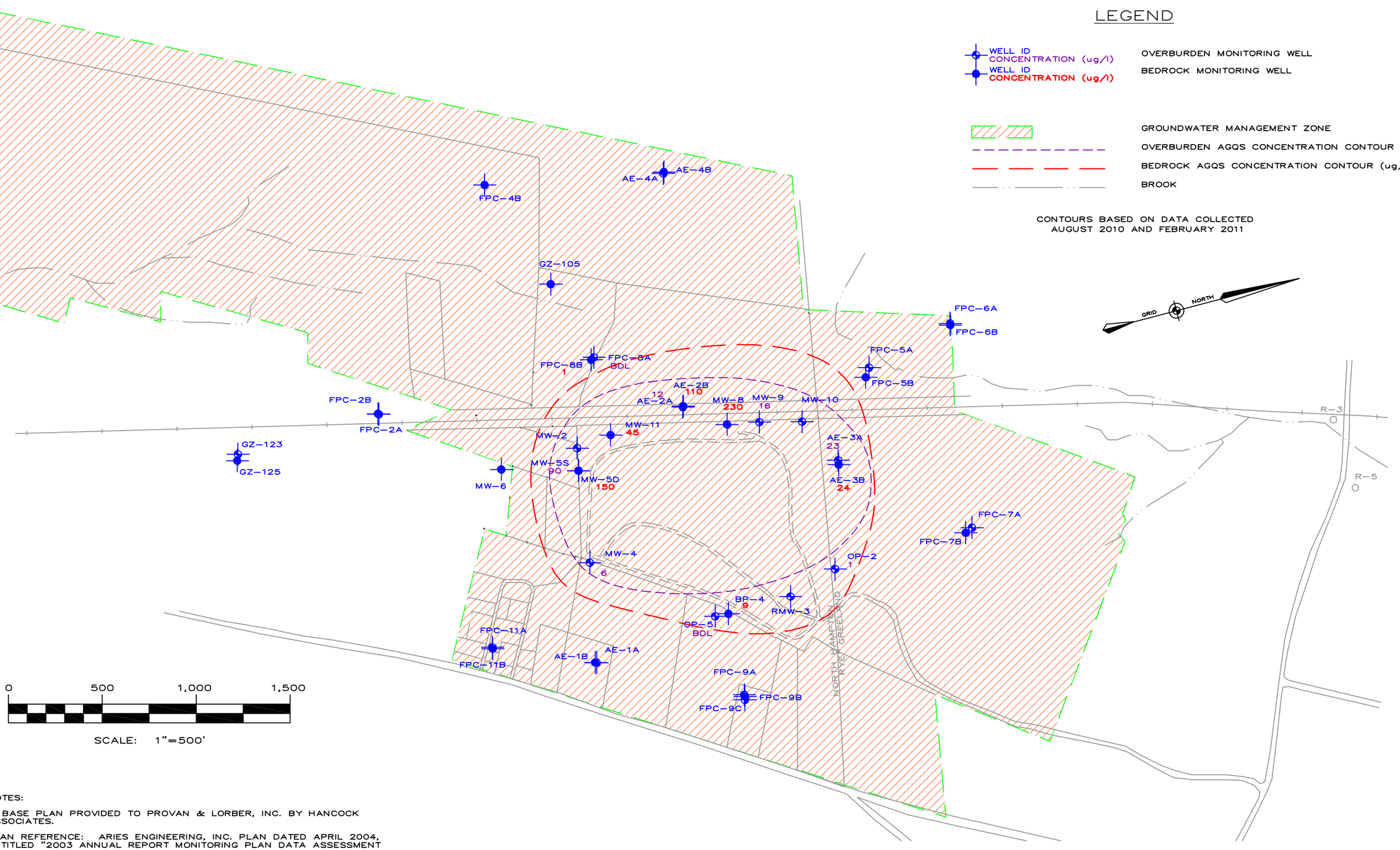
GROUNDWATER MANAGEMENT ZONE

OVERBURDEN AGQS CONCENTRATION CONTOUR (ug

BEDROCK AGQS CONCENTRATION CONTOUR (ug/l)

BROOK

CONTOURS BASED ON DATA COLLECTED
AUGUST 2010 AND FEBRUARY 2011



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COAKLEY LANDFILL
NORTH HAMPTON, NH

1,4-DIOXANE CONCENTRATIONS
OVERBURDEN & BEDROCK WELLS
AUGUST 2010

DATE	FEBRUARY 2011
ENG. BY KMM	DRWN. BY DRWN
CHKD.BY KMM	PROJ. NO. P0081

FIGURE 9

TABLES

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION DATA
2010 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.
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
MW-2	94.54	10-20															86.75	89.00				NM	NM	88.61	88.95	88.40	87.88
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
AE-4A	77.20	5-15																			73.47	70.75	73.75	72.91	73.10	73.20	71.49
AE-4B	77.50	34-44																			73.42	70.51	73.30	72.28	73.61	73.01	71.10
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
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
FPC-4B	75.83	18-33	71.83																	69.96	71.58	68.21	71.63	70.95	71.81	71.24	69.80
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
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
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
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
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
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
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
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
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
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
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
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
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
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
GZ-109	119.36	103-252	99.49	98.8	98.01	95.84	95.68	99.08	96.99	97.39	94.91	94.59	96.81									NM					
GZ-123	87.49	9.5-16.5																						76.91	77.90	78.28	77.05
GZ-125	88.77	57-200																						80.35	81.73	81.87	80.36

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
2010 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-5S	MW-5S	MW-5S	MW-5S	MW-5S	**MW-5D**	**MW-5D**	**MW-5D**	**MW-5D**	**MW-5D**
DATE SAMPLED	**CLEANUP**	30-Aug-05	30-Aug-06	16-Nov-07	13-Aug-08	20-Aug-09	17-Aug-10	29-Aug-06	9-Nov-07	13-Aug-08	20-Aug-09	19-Aug-10	29-Aug-06	15-Nov-07	13-Aug-08	20-Aug-09	19-Aug-10
VOLATILE ORGANIC COMPOUNDS IN ug/l	**LEVEL**																
Acetone	**6,000**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	**5**	BDL	NA	NA	NA	NA	NA	BDL	5	4	3	4	2	3	2	2	2
Chlorobenzene	**100**	4	NA	NA	NA	NA	NA	BDL	3	2	2	3	4	5	4	3	4
Chloroethane		BDL	NA	NA	NA	NA	NA	BDL	13	9	8	7	24	33	38	32	31
Chloromethane	**30**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4 Dichlorobenzene	**75**	BDL	NA	NA	NA	NA	NA	BDL	3	2	3	3	BDL	2	2	2	2
1,1 Dichloroethane	**81**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	**700**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	**800**	BDL	NA	NA	NA	NA	NA	BDL	2	1	1	2	BDL	BDL	BDL	BDL	BDL
p - Isopropyltoluene	**260**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	**20**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Ether	**1,400**	BDL	NA	NA	NA	NA	NA	BDL	52	45	37	40	89	130	120	100	99
Tetrahydrofuran	**154**	BDL	NA	NA	NA	NA	NA	BDL	60	40	40	40	110	110	110	90	90
Toluene	**1,000**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4 Trimethylbenzene	**330**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5 Trimethylbenzene	**330**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene		BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
m&p - Xylene		BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dioxane				NA	NA	NA	6		NA	NA	70	90		NA	NA	140	150
Methylethylketone (MEK)	**200**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylisobutylketone (MIBK)	**2,000**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl-t-butyl Ether (MTBE)	**13**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tertiary-butyl Alcohol (TBA)			NA	NA	NA	NA	NA		BDL	BDL	BDL	BDL		60	50	40	40
METALS IN ug/l																	
Aluminum		BDL	34,000	28,000	34,000	BDL	140	BDL	BDL	BDL	BDL	BDL	8	BDL	BDL	BDL	BDL
Arsenic	**10**	130	43	58	69	70	64	10	26	26	18	16	5	11	5	6	10
Barium		530	190	200	250	73	71	190	210	190	180	180	120	130	110	120	110
Cadmium		BDL	BDL	BDL	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	54,000	45,000	43,000	42,000	34,000	48,000	30,000	31,000	32,000	32,000
Chromium	**50**	600	150	140	190	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper		170	38	71	78	2	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (Total)		380,000	110,000	160,000	150,000	24,000	22,000	17,000	25,000	23,000	16,000	13,000	17,000	15	12,000	15,000	13,000
Dissolved Iron		17,000	27,000	24,000	50,000	23,000	21,000	19,000	23,000	21,000	14,000	12,000	NA	NA	NA	NA	NA
Lead	**15**	100	23	37	43	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		84,000	38,000	39,000	47,000	24,000	19,000	30,000	24,000	22,000	26,000	22,000	44,000	27,000	26,000	32,000	28,000
Mercury		BDL	BDL	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	410	99	130	150	9	8	17	22	19	14	11	14	11	12	10	9
Potassium		60,000	39,000	44,000	49,000	38,000	30,000	27,000	22,000	22,000	25,000	22,000	30,000	22,000	23,000	25,000	22,000
Selenium		BDL	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	1	8	4	BDL	2	4	18
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		52,000	56,000	39,000	43,000	34,000	31,000	76,000	110,000	87,000	94,000	99,000	140,000	170,000	160,000	140,000	140,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		540	91	190	210	6	BDL	6	14	BDL	BDL	BDL	7	BDL	BDL	BDL	BDL
Cobalt		130	34	53	53	5	4	8	11	11	7	4	BDL	BDL	1	BDL	BDL
Beryllium	**4**	BDL	BDL	3	BDL	BDL	BDL	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	3,700	4,400	3,900	3,400	2,900	890	860	780	770	730
Dissolved Manganese		1,500	1,300	1,300	2,600	1,200	1,000	3,700	4,200	4,300	3,200	2,800	NA	NA	NA	NA	NA
Antimony	**6**	BDL	BDL	BDL	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	1	1	1	BDL
FIELD PARAMETERS																	
Temperature Degrees C		18.55	17.10	13.20	18.36	15.50	15.00	12.25	9.79	13.30	12.25	11.61	11.33	11.48	12.37	12.70	12.09
pH		6.59	6.47	6.59	6.22	6.65	6.52	6.61	6.79	6.83	6.98	6.52	7.22	7.09	7.07	6.96	7.21
Conductivity in us/cm		544	1024	1029	1025	1080	1037	884	1203	1090	1095	1072	1146	1570	1451	12	1510
Dissolved Oxygen in mg/l		3.41	3.68	1.68	3.24	1.31	1.59	3.34	0.45	0.65	0.18	0.25	1.32	0.49	0.18	9.68	0.09
Turbidity in NTU		1071.9		10.9	6000	35.1	14.5	10.9	1.1	79.0	8.70	3.54	10.0	3.33	103	11.0	1.34
Oxidation/Reduction Potential in mV		-43.0	-44.0	154	22	-51	-63	-82.0	-128	-91	-112	-75	-171.0	1	-127	-141	-166

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
2010 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

CONTAMINANT OF CONCERN	INTERIM	MW-6	MW-6	MW-6	MW-6	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9
DATE SAMPLED	CLEANUP	12-Nov-07	12-Aug-08	19-Aug-09	8-Feb-11	13-Nov-07	13-Aug-08	20-Aug-09	17-Aug-10	25-Aug-05	29-Aug-06	13-Nov-07	13-Aug-08	18-Aug-09	17-Aug-10
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL														
Acetone	**6,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Benzene	**5**	BDL	BDL	BDL	BDL	3	4	4	6	5	NA	NA	NA	NA	NA
Chlorobenzene	**100**	BDL	BDL	BDL	BDL	3	4	3	7	79	NA	NA	NA	NA	NA
Chloroethane		BDL	BDL	BDL	BDL	19	21	18	20	5	NA	NA	NA	NA	NA
Chloromethane	**30**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
1,4 Dichlorobenzene	**75**	BDL	BDL	BDL	BDL	2	2	2	2	19	NA	NA	NA	NA	NA
1,1 Dichloroethane	**81**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Ethylbenzene	**700**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Isopropylbenzene	**800**	BDL	BDL	BDL	BDL	2	2	2	2	2	NA	NA	NA	NA	NA
p - Isopropyltoluene	**260**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Naphthalene	**20**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Diethyl Ether	**1,400**	BDL	BDL	BDL	BDL	130	110	99	98	BDL	NA	NA	NA	NA	NA
Tetrahydrofuran	**154**	BDL	BDL	BDL	BDL	180	180	180	160	84	NA	NA	NA	NA	NA
Toluene	**1,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
1,2,4 Trimethylbenzene	**330**	BDL	BDL	BDL	BDL	2	1	1	1	BDL	NA	NA	NA	NA	NA
1,3,5 Trimethylbenzene	**330**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
o-Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	NA	NA	NA	NA	NA
m&p - Xylene		BDL	BDL	BDL	BDL	3	2	1	1	4	NA	NA	NA	NA	NA
1,4-Dioxane		NA	NA	BDL	NA	NA	NA	310	230			NA	NA	NA	16
Methylethylketone (MEK)	**200**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Methylisobutylketone (MIBK)	**2,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Methyl-t-butyl Ether (MTBE)	**13**	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Tertiary-butyl Alcohol (TBA)		BDL	BDL	BDL	BDL	70	70	60	50		NA	NA	NA	NA	NA
METALS IN ug/l															
Aluminum		BDL	BDL	BDL	BDL	60	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Arsenic	**10**	BDL	BDL	BDL	BDL	10	8	8	13	280	81	56	57	78	120
Barium		BDL	BDL	BDL	7	170	190	210	240	92	66	41	39	58	120
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		13,000	11,000	11,000	15,000	31,000	36,000	42,000	41,000	86,000	55,000	27,000	35,000	39,000	68,000
Chromium	**50**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	1
Copper		2	1	2	2	1	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	1
Iron (Total)		5,800	1,800	8,000	4,900	4,300	6,500	5,600	5,200	51,000	65,000	16,000	34,000	37,000	55,000
Dissolved Iron		3,900	250	340	2,800	NA	NA	NA	NA	56,000	57,000	17,000	35,000	45,000	48,000
Lead	**15**	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		5,200	4,000	4,500	5,200	36,000	40,000	50,000	45,000	45,000	22,000	12,000	11,000	12,000	24,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	3	1	2	2	19	26	22	17	14	5	16	7	4	5
Potassium		1,700	1,500	1,600	1,600	12,000	14,000	14,000	16,000	25,000	15,000	6,800	7,300	9,700	19,000
Selenium		BDL	BDL	BDL	BDL	BDL	3	5	4	6	BDL	BDL	BDL	BDL	6
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		12,000	10,000	11,000	11,000	240,000	210,000	210,000	190,000	98,000	35,000	38,000	28,000	19,000	60,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		9	6	8	14	18	BDL	BDL	BDL	4	3	BDL	BDL	BDL	BDL
Cobalt		BDL	BDL	BDL	1	3	6	3	2	4	BDL	12	7	3	2
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	740	520	490	1,900	1,600	1,900	2,000	2,100	710	2,400	1,200	3,500	2,100	1,400
Dissolved Manganese		820	470	510	1,900	NA	NA	NA	NA	820	2,200	1,400	3,300	2,300	1,300
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	BDL	BDL	BDL	1	2	2	1	7	BDL	BDL	BDL	BDL	BDL
FIELD PARAMETERS															
Temperature Degrees C		10.38	11.22	12.18	5.83	10.46	13.51	13.95	16.30	15.34	14.9	10.66	15.67	15.15	15.76
pH		5.82	5.95	6.02	6.04	7.22	7.29	7.88	6.81	6.54	6.4	6.01	6.08	6.54	5.91
Conductivity in us/cm		196	148	152	238	1670	1570	1660	1630	1273	644.6	491	473	578	1154
Dissolved Oxygen in mg/l		0.98	0.58	5.84	1.53	1.15	0.96	0.20	0.27	0.78	622 *	0.68	0.42	0.35	0.41
Turbidity in NTU		17.0	315	40.6	19.3	13.9	100	0.30	1.68	28.8	13.3	2.48	81.9	3.38	1.80
Oxidation/Reduction Potential in mV		95	120	83	33.8	45	-151	-163	-102	-101.5	-55	38	-19	-59	-4

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
2010 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

CONTAMINANT OF CONCERN	**INTERIM**	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	**MW-11**	**MW-11**	**MW-11**	**MW-11**	**MW-11**	RMW-3	RMW-3	RMW-3	RMW-3	RMW-3
DATE SAMPLED	**CLEANUP**	26-Aug-05	29-Aug-06	13-Nov-07	13-Aug-08	18-Aug-09	18-Aug-10	29-Aug-06	8-Nov-07	13-Aug-08	19-Aug-09	18-Aug-10	26-Aug-05	8-Nov-07	11-Aug-08	17-Aug-09	16-Aug-10
VOLATILE ORGANIC COMPOUNDS IN ug/l	**LEVEL**																
Acetone	**6,000**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	WELL OBSTRUCTED NOT SAMPLED	WELL OBSTRUCTED NOT SAMPLED	WELL OBSTRUCTED NOT SAMPLED	WELL OBSTRUCTED NOT SAMPLED
Benzene	**5**	BDL	NA	NA	NA	NA	NA	5	8	5	4	3	BDL				
Chlorobenzene	**100**	BDL	NA	NA	NA	NA	NA	2	3	2	2	BDL	8				
Chloroethane		BDL	NA	NA	NA	NA	NA	20	32	19	19	9	BDL				
Chloromethane	**30**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL				
1,4 Dichlorobenzene	**75**	BDL	NA	NA	NA	NA	NA	BDL	2	1	1	1	BDL				
1,1 Dichloroethane	**81**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL				
Ethylbenzene	**700**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL				
Isopropylbenzene	**800**	BDL	NA	NA	NA	NA	NA	BDL	4	2	2	1	BDL				
p - Isopropyltoluene	**260**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL				
Naphthalene	**20**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL				
Diethyl Ether	**1,400**	BDL	NA	NA	NA	NA	NA	47	75	37	34	24	BDL				
Tetrahydrofuran	**154**	BDL	NA	NA	NA	NA	NA	50	60	30	30	20	BDL				
Toluene	**1,000**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL				
1,2,4 Trimethylbenzene	**330**	BDL	NA	NA	NA	NA	NA	BDL	2	BDL	1	BDL	BDL				
1,3,5 Trimethylbenzene	**330**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL				
o-Xylene		BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL				
m&p - Xylene		BDL	NA	NA	NA	NA	NA	8	12	4	6	4	BDL				
1,4-Dioxane				NA	NA	NA	NA		NA	NA	100	45					
Methylethylketone (MEK)	**200**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL				
Methylisobutylketone (MIBK)	**2,000**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL				
Methyl-t-butyl Ether (MTBE)	**13**	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL				
Tertiary-butyl Alcohol (TBA)			NA	NA	NA	NA	NA		BDL	BDL	BDL	BDL					
METALS IN ug/l																	
Aluminum		BDL	19	BDL	70	50	BDL	BDL	BDL	BDL	BDL	BDL	1,500				
Arsenic	**10**	24	11	12	9	17	19	10	15	13	11	11	110				
Barium		89	55	64	19	46	71	96	95	89	83	74	46				
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL				
Calcium		81,000	53,000	52,000	17,000	45,000	64,000	31,000	26,000	22,000	24,000	21,000	47,000				
Chromium	**50**	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	3				
Copper		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA				
Iron (Total)		46,000	27,000	28,000	6,600	29,000	35,000	17,000	15,000	19,000	15,000	13	57,000				
Dissolved Iron			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL				
Magnesium		23,000	14,000	15,000	3,900	11,000	18,000	25,000	19,000	19,000	21,000	17,000	14,000				
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL				
Nickel	**100**	14	7	8	3	5	6	8	12	18	8	6	22				
Potassium		20,000	9,400	12,000	5,200	8,600	13,000	10,000	9,300	8,800	9,800	8,100	19,000				
Selenium		3	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	4	BDL				
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL				
Sodium		110,000	35,000	90,000	14,000	31,000	72,000	110,000	140,000	110,000	110,000	100,000	18,000				
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL				
Zinc		7	16	19	5	6	6	6	32	BDL	BDL	BDL	13				
Cobalt		5	7	6	2	5	3	BDL	3	6	2	2	13				
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL				
Manganese (Total)	**300**	3,500	3,200	2,800	760	2,200	2,700	450	410	440	390	340	2,900				
Dissolved Manganese		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL				
Vanadium	**260**	4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2				
FIELD PARAMETERS																	
Temperature Degrees C		15.32	16.3	10.22	17.40	17.05	16.01	12.27	9.50	12.14	12.30	14.05	13.11				
pH		6.69	6.47	6.31	6.12	6.49	6.09	6.89	6.72	6.88	7.04	6.50	6.22				
Conductivity in us/cm		1033	464.4	960	220	564	897	800.3	1420	830	858	751	287				
Dissolved Oxygen in mg/l		2.26	735 *	0.48	0.52	0.28	0.44	0.37	0.22	0.60	0.61	0.32	3.7				
Turbidity in NTU		12.2	9.8	2.28	19.0	2.81	1.90	24.3	2.17	34.7	8.54	3.25	93.3				
Oxidation/Reduction Potential in mV		-106.4	-65	37	9	-69	-8	-204	-30	-102	-104	-67	15.4				

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
2010 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

CONTAMINANT OF CONCERN	INTERIM	OP-2	OP-2	OP-2	OP-2	OP-2	OP-2	OP-5	OP-5	OP-5	OP-5	OP-5	OP-5	BP-4	BP-4	BP-4	BP-4	BP-4	BP-4
DATE SAMPLED	CLEANUP	26-Aug-05	29-Aug-06	9-Nov-07	13-Aug-08	18-Aug-09	18-Aug-10	26-Aug-05	30-Aug-06	9-Nov-07	13-Aug-08	19-Aug-09	18-Aug-10	26-Aug-05	30-Aug-06	9-Nov-07	13-Aug-08	19-Aug-09	8-Feb-11
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																		
Acetone	**6,000**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Benzene	**5**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Chlorobenzene	**100**	2	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Chloroethane		13	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	16	NA	NA	NA	NA	NA
Chloromethane	**30**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
1,4 Dichlorobenzene	**75**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
1,1 Dichloroethane	**81**	3	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Ethylbenzene	**700**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Isopropylbenzene	**800**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
p - Isopropyltoluene	**260**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Naphthalene	**20**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Diethyl Ether	**1,400**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Tetrahydrofuran	**154**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Toluene	**1,000**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
1,2,4 Trimethylbenzene	**330**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
1,3,5 Trimethylbenzene	**330**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
o-Xylene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
m&p - Xylene		BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
1,4-Dioxane				NA	NA	NA	1			NA	NA	NA	BDL			NA	NA	NA	9
Methylethylketone (MEK)	**200**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Methylisobutylketone (MIBK)	**2,000**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Methyl-t-butyl Ether (MTBE)	**13**	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Tertiary-butyl Alcohol (TBA)			NA	NA	NA	NA	NA		NA	NA	NA	NA	NA		NA	NA	NA	NA	NA
METALS IN ug/l																			
Aluminum		BDL	BDL	BDL	BDL	BDL	BDL	1500	BDL	BDL	BDL	BDL	BDL	77	BDL	BDL	BDL	BDL	BDL
Arsenic	**10**	25	200	190	170	200	220	25	27	33	17	13	19	11	26	30	23	22	34
Barium		21	19	19	20	17	16	25	13	23	15	13	15	63	53	55	43	39	47
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		49,000	40,000	37,000	40,000	42,000	39,000	15,000	15,000	14,000	8,800	7,600	9,200	62,000	69,000	51,000	48,000	50,000	49,000
Chromium	**50**	BDL	BDL	BDL	BDL	BDL	BDL	7	BDL	BDL	BDL	BDL	BDL	15	BDL	BDL	BDL	BDL	BDL
Copper		BDL	BDL	BDL	BDL	14	BDL	6	BDL	BDL	1	BDL	BDL	7	BDL	BDL	BDL	BDL	BDL
Iron (Total)		47,000	44,000	48,000	57,000	48,000	44,000	24,000	12,000	19,000	10,000	8,100	11,000	69,000	36,000	31,000	30,000	26,000	31,000
Dissolved Iron		47,000	49,000	50,000	61,000	45,000	37,000	15,000	12,000	21,000	9,600	8,100	11,000	NA	NA	NA	NA	NA	NA
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4
Magnesium		130,000	12,000	9,300	10,000	11,000	9,400	4,500	3,600	3,200	2,200	2,300	2,300	31,000	3,800	21,000	22,000	26,000	19,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	11	7	7	6	7	9	31	22	33	30	25	27	150	9	10	13	8	15
Potassium		28,000	23,000	17,000	21,000	21,000	16,000	2,800	2,800	2,300	1,900	1,900	1,800	23,000	30,000	21,000	21,000	23,000	17,000
Selenium		BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	1	BDL	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL
Sodium		17,000	17,000	12,000	16,000	18,000	15,000	9,900	8,600	10,000	9,000	9,000	8,000	110,000	9,200	140,000	110,000	89,000	64,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		2	5	BDL	BDL	16	BDL	7	7	BDL	BDL	7	BDL	5	6	BDL	BDL	11	6
Cobalt		4	BDL	5	4	4	5	20	14	23	19	15	17	80	BDL	2	3	BDL	7
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	390	470	620	580	630	760	3,800	2,500	3,800	2,300	1,800	2,200	1,700	1,300	1,200	1,100	94	1,200
Dissolved Manganese		450	480	650	550	620	640	3,500	2,600	4,000	2,200	2,000	2,300	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**	4	BDL	BDL	1	1	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
FIELD PARAMETERS																			
Temperature Degrees C		17.2	16.33	10.41	16.25	14.55	14.00	12.30	13.31	9.34	11.28	11.28	10.82	11.26	11.9	9.41	13.38	13.90	7.83
pH		6.33	6.55	6.17	6.12	6.57	6.01	5.94	5.79	5.64	5.58	5.92	5.54	6.88	6.6	6.89	7.00	7.11	6.62
Conductivity in us/cm		671	480.9	675	669	707	627	196	150.6	253	169	150	193	1021	964.8	1204	1106	1100	1056
Dissolved Oxygen in mg/l		2.93	8.77	0.72	1.12	0.2	0.28	2.16	1.15	0.35	0.22	0.68	0.41	1.88	2.14	0.37	1.19	2.26	1.02
Turbidity in NTU		16.1	14.2	1.97	15.8	1.01	2.84	23.2	0.7	1.49	100	2.48	2.29	35.1	2.6	1.50	27.4	7.73	1.13
Oxidation/Reduction Potential in mV		-54.1	-161	-11	-27	-54	7	11.5	27	16	81	69	95	-107.8	-92	-85.0	-107	-153	-28.3

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

TABLE 3

SUMMARY OF OU-2 GROUNDWATER ANALYTICAL RESULTS
2010 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-2B**	**FPC-2B**	**FPC-2B**	**FPC-2B**	**FPC-2B**	**FPC-4B**	**FPC-4B**	**FPC-4B**	**FPC-4B**	**FPC-4B**	FPC-5A	FPC-5A	FPC-5A	FPC-5A	FPC-5A
DATE SAMPLED	CLEANUP	29-Aug-06	16-Nov-07	12-Aug-08	17-Aug-09	17-Aug-10	29-Aug-06	16-Nov-07	12-Aug-08	17-Aug-09	17-Aug-10	28-Aug-06	14-Nov-07	11-Aug-08	17-Aug-09	18-Aug-10	28-Aug-06	14-Nov-07	13-Aug-08	20-Aug-09	18-Aug-10
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																				
Acetone		BDL	BDL	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	BDL	BDL	NA	NA	NA	NA	NA
Chlorobenzene	**100**	BDL	BDL	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	BDL	BDL	NA	NA	NA	NA	NA
Chloromethane		BDL	BDL	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	BDL	BDL	NA	NA	NA	NA	NA
1,1 Dichloroethane		BDL	BDL	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	BDL	BDL	NA	NA	NA	NA	NA
Ethylbenzene		BDL	BDL	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	BDL	BDL	NA	NA	NA	NA	NA
p - Isopropyltoluene		BDL	BDL	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	BDL	BDL	NA	NA	NA	NA	NA
Diethyl Ether		BDL	BDL	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	BDL	BDL	NA	NA	NA	NA	NA
Toluene		BDL	BDL	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	BDL	BDL	NA	NA	NA	NA	NA
1,3,5 Trimethylbenzene		BDL	BDL	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	BDL	BDL	NA	NA	NA	NA	NA
m&p - Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
1,4-Dioxane			NA	NA	NA	NA		NA	NA	NA	NA		NA	NA	NA	NA		NA	NA	NA	NA
Methylethylketone (MEK)	**200**	BDL	BDL	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	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	BDL	BDL	NA	NA	NA	NA	NA
METALS IN ug/l																					
Aluminum		BDL	60	BDL	BDL	BDL	27	BDL	14	360	90	BDL	70	220	BDL	BDL	14	BDL	BDL	BDL	BDL
Arsenic	**10**	BDL	8	3	2	2	BDL	2	3	3	3	BDL	BDL	BDL	BDL	BDL	42	53	54	53	55
Barium		12	18	13	14	13	12	12	12	17	12	3	7	5	4	6	120	130	120	130	120
Cadmium		BDL	BDL	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	11,000	7,800	6,800	7,700	7,000	5,300	4,200	3,300	3,900	4,700	51,000	34,000	41,000	44,000	42,000
Chromium	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (Total)		3,200	14,000	5,600	4,400	4,000	100	120	260	1,100	220	100	110	650	BDL	BDL	9,200	8,300	11,000	9,700	9,400
Dissolved Iron		3,800	1,800	3,500	4,200	2,700	900	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		14,000	12,000	9,600	11,000	8,700	1,700	1,200	980	1,300	1,000	3,500	2,800	2,100	2,500	2,900	28,000	19,000	21,000	27,000	22,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	0.2	0.1	BDL	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	1	1	BDL	BDL	8	4	10	7	7
Potassium		48,000	6,000	4,200	4,400	3,900	6,000	5,900	4,700	4,800	4,600	2,200	1,900	1,500	1,600	1,900	27,000	22,000	25,000	27,000	23,000
Selenium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	5
Silver		BDL	BDL	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	43,000	43,000	39,000	40,000	38,000	5,100	6,000	5,000	6,000	7,000	120,000	120,000	120,000	110,000	110,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		7	BDL	BDL	BDL	BDL	5	BDL	BDL	14	5	7	6	BDL	BDL	5	7	BDL	BDL	BDL	6
Cobalt		BDL	BDL	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	23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	670	800	620	730	500	18	BDL	23	84	21	BDL	31	66	BDL	BDL	140	110	110	110	100
Dissolved Manganese		660	860	570	770	500	BDL	BDL	21	26	12	BDL	23	6	BDL	BDL	NA	NA	NA	NA	NA
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL
Sulfate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
Chloride		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110,000	110,000	NA	NA
Alkalinity Bicarbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	410,000	410,000	NA	NA
Alkalinity Carbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA
FIELD PARAMETERS																					
Temperature Degrees C		14.10	8.94	13.79	15.20	14.78	13.10	9.11	13.87	15.60	14.20	12.87	9.90	10.17	11.49	10.51	10.50	9.55	12.82	12.01	12.67
pH		6.52	6.68	6.58	6.34	5.91	7.99	7.93	7.28	7.48	7.02	6.63	5.95	6.39	6.17	6.36	7.02	7.46	6.74	7.13	6.63
Conductivity in us/cm		215	274	242	279	263	184	201	162	210	248	53	95	62	83	94	501	1,180	1,108	1,153	1,133
Dissolved Oxygen in mg/l		0.97	0.80	0.25	4.34	0.32	0.62	3.18	1.54	4.38	0.89	7.61	0.56	7.09	3.05	0.22	1.08	0.33	0.25	3.35	0.28
Turbidity in NTU		10.5	93	44.7	4.35	15.20	1.50	3.40	100.3	6.50	1.29	1.80	2.75	32.9	0.29	0.00	11.0	2.20	93.7	4.85	1.57
Oxidation/Reduction Potential in mV		-22	119	20	14	44	-131	45	-3	28	-33	77	164	143	189	112	-95	-114	-6	-101	-62

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
2010 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	FPC-5B	FPC-5B	FPC-5B	FPC-5B	FPC-5B	FPC-6A	FPC-6A	FPC-6A	FPC-6A	FPC-6A	FPC-6B	FPC-6B	FPC-6B	FPC-6B	FPC-6B	FPC-7A	FPC-7A	FPC-7A	FPC-7A	FPC-7A
DATE SAMPLED	CLEANUP	25-Aug-05	15-Nov-07	13-Aug-08	20-Aug-09	18-Aug-10	28-Aug-06	14-Nov-07	13-Aug-08	17-Aug-09	19-Aug-10	28-Aug-06	14-Nov-07	13-Aug-08	17-Aug-09	19-Aug-10	28-Aug-06	16-Nov-07	13-Aug-08	18-Aug-09	20-Aug-10
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																				
Acetone		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Benzene	**5**	NA	NA	NA	NA	NA	BDL	2	BDL	BDL	2	BDL	2	1	BDL	2	BDL	NA	NA	NA	NA
Chlorobenzene	**100**	NA	NA	NA	NA	NA	3	5	BDL	3	5	3	7	4	3	5	BDL	NA	NA	NA	NA
Chloroethane		NA	NA	NA	NA	NA	4	8	BDL	5	8	5	11	8	BDL	7	BDL	NA	NA	NA	NA
Chloromethane		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
1,4 Dichlorobenzene		NA	NA	NA	NA	NA	BDL	1	BDL	BDL	2	BDL	2	1	BDL	1	BDL	NA	NA	NA	NA
1,1 Dichloroethane		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
cis-1,2 Dichloroethene		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Ethylbenzene		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Isopropylbenzene		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
p - Isopropyltoluene		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Naphthalene		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Diethyl Ether		NA	NA	NA	NA	NA	BDL	20	8	10	18	BDL	23	15	10	16	BDL	NA	NA	NA	NA
Tetrahydrofuran		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Toluene		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
1,2,4 Trimethylbenzene		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
1,3,5 Trimethylbenzene		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
o-Xylene		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
m&p - Xylene		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
1,4-Dioxane			NA	NA	NA	NA		NA	NA	NA	NA		NA	NA	NA	NA		NA	NA	NA	NA
Methylethylketone (MEK)	**200**	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Methylisobutylketone (MIBK)		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Methyl t-butyl ether (MTBE)		NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
METALS IN ug/l																					
Aluminum		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	60	60	140	980	90	BDL	BDL	BDL	520	320	BDL	BDL
Arsenic	**10**	BDL	4	1	1	3	BDL	3	2	13	30	5	9	14	2	3	BDL	BDL	BDL	BDL	BDL
Barium		47	64	39	54	42	53	95	44	29	45	30	89	44	49	77	2	7	5	3	3
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		11,000	7,200	5,400	7,400	5,900	17,000	20,000	6,800	24,000	39,000	28,000	46,000	30,000	13,000	24,000	20,000	13,000	13,000	14,000	12,000
Chromium	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	2	BDL	BDL	BDL	2	BDL	BDL	BDL
Copper		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	1	BDL	BDL	BDL	3	1	BDL	BDL
Iron (Total)		360	330	280	240	220	5,500	9,000	7,400	1,900	4,100	1,600	1,800	1,700	6,500	7,100	BDL	1,300	740	BDL	BDL
Dissolved Iron		NA	NA	NA	NA	NA	6,400	8,600	5,400	2,200	3,900	1,600	810	1,500	5,600	6,800	BDL	BDL	BDL	BDL	BDL
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		7,100	4,600	3,300	5,000	3,600	9,300	11,000	4,200	10,000	17,000	12,000	23,000	13,000	6,600	13,000	6,400	4,400	3,800	4,100	3,900
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	5	8	6	7	6	2	5	2	5	6	BDL	13	8	3	4	3	13	7	4	4
Potassium		9,600	7,100	6,500	7,800	6,200	6,000	6,600	4,300	6,200	8,600	6,600	10,000	8,100	4,800	7,400	2,700	2,800	2,100	2,100	2,000
Selenium		BDL	BDL	2	2	11	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	BDL	1
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		300,000	310,000	260,000	290,000	260,000	75,000	100,000	50,000	79,000	120,000	82,000	140,000	110,000	78,000	110,000	9,800	9,000	8,000	9,000	9,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		5	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL	BDL	8	6	BDL	BDL	BDL	6	7	8	BDL	BDL
Cobalt		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	5	BDL	5	6	BDL	BDL	BDL	6	2	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**	88	95	74	87	70	410	500	360	2,400	3,600	2,100	3,100	3,000	340	400	6	110	34	BDL	BDL
Dissolved Manganese		NA	NA	NA	NA	NA	400	530	340	2,600	3,600	2,300	3,400	2,800	360	390	BDL	BDL	BDL	BDL	BDL
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	1	1	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL
Sulfate		NA	BDL	NA	NA	NA	NA	5,000	NA	NA	NA	NA	1,000	NA	NA	NA	NA	15,000	NA	NA	NA
Chloride		NA	270,000	NA	NA	NA	NA	81,000	NA	NA	NA	NA	140,000	NA	NA	NA	NA	7,000	NA	NA	NA
Alkalinity Bicarbonate		NA	360,000	NA	NA	NA	NA	200,000	NA	NA	NA	NA	390,000	NA	NA	NA	NA	49,000	NA	NA	NA
Alkalinity Carbonate		NA	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	NA	NA	NA
FIELD PARAMETERS																					
Temperature Degrees C		11.60	11.83	13.67	12.25	11.31	11.10	10.73	11.72	16.01	15.78	15.00	11.05	15.19	12.14	12.36	12.30	9.13	12.45	11.29	11.61
pH		7.96	7.68	7.61	8.12	7.39	6.72	6.55	6.30	6.84	6.72	6.81	6.69	6.55	6.97	6.79	6.36	6.97	5.93	6.59	6.40
Conductivity in us/cm		466	1,467	1,174	1,354	1,252	143	610	319	589	934	401	1,137	726	489	757	122	168	147	162	155
Dissolved Oxygen in mg/l		2.36	1.45	1.61	1.06	0.37	2.07	1.32	1.41	0.29	0.85	0.81	0.41	0.24	0.30	0.17	4.63	3.72	4.75	4.56	4.35
Turbidity in NTU		0.40	0.87	4.10	4.50	0.66	27.2	5.67	12.0	1.74	4.25	2.10	165	56.7	29.2	1.7	37.2	8.60	25.0	0.23	0.10
Oxidation/Reduction Potential in mV		-116	30	-87	-110	-66	-53	42	-13	-17	-66	-39	45	0	-51	-111	94	169	151	218	145

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
2010 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	FPC-7B	FPC-7B	FPC-7B	FPC-7B	FPC-7B	FPC-8A	FPC-8A	FPC-8A	FPC-8A	FPC-8A	FPC-8B	FPC-8B	FPC-8B	FPC-8B	FPC-8B	FPC-9A	FPC-9A	FPC-9A	FPC-9A	FPC-9A
DATE SAMPLED	CLEANUP	28-Aug-06	16-Nov-07	13-Aug-08	18-Aug-09	20-Aug-10	28-Aug-06	8-Nov-07	11-Aug-08	20-Aug-09	18-Aug-10	28-Aug-06	8-Nov-07	11-Aug-08	19-Aug-09	19-Aug-10	30-Aug-06	12-Nov-07	13-Aug-08	17-Aug-09	16-Aug-10
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																				
Acetone		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Benzene	**5**	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Chlorobenzene	**100**	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Chloroethane		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Chloromethane		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
1,4 Dichlorobenzene		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
1,1 Dichloroethane		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
cis-1,2 Dichloroethene		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Ethylbenzene		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Isopropylbenzene		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
p - Isopropyltoluene		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Naphthalene		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Diethyl Ether		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Tetrahydrofuran		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Toluene		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
1,2,4 Trimethylbenzene		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
1,3,5 Trimethylbenzene		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
o-Xylene		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
m&p - Xylene		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
1,4-Dioxane			NA	NA	NA	NA		NA	NA	NA	BDL		NA	NA	NA	1		NA	NA	NA	NA
Methylethylketone (MEK)	**200**	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Methylisobutylketone (MIBK)		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
Methyl t-butyl ether (MTBE)		BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
METALS IN ug/l																					
Aluminum		BDL	BDL	140	60	BDL	380	670	BDL	2,600	2,500	13	BDL	BDL	BDL	BDL	BDL	1,000	BDL	BDL	170
Arsenic	**10**	BDL	BDL	2	BDL	BDL	BDL	4	2	6	7	5	7	7	7	7	44	37	26	34	36
Barium		BDL	3	18	4	3	4	8	4	15	17	6	7	7	8	8	120	92	65	88	75
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		14,000	16,000	14,000	16,000	15,000	26,000	21,000	24,000	21,000	20,000	30,000	20,000	21,000	23,000	22,000	66,000	47,000	54,000	51,000	42,000
Chromium	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6	6	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL
Copper		BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	4	4	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL
Iron (Total)		1,200	270	8,300	500	BDL	900	1,300	340	3,600	4,100	130	60	140	60	90	9,600	8,600	4,700	6,300	5,600
Dissolved Iron		BDL	BDL	70	BDL	BDL	NA	NA	NA	NA	NA	NA	BDL	60	BDL	BDL	NA	7,000	4,500	6,300	4,800
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	2	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL
Magnesium		3,800	4,600	3,700	4,500	4,100	3,500	3,300	3,200	4,300	3,700	6,900	4,300	4,300	5,000	4,800	37,000	23,000	22,000	25,000	20,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	BDL	2	18	2	BDL	BDL	2	BDL	4	5	BDL	BDL	BDL	BDL	BDL	4	7	4	3	3
Potassium		2,000	2,400	1,900	2,100	1,900	2,400	2,000	2,100	2,500	2,300	3,600	2,600	3,000	2,700	2,900	14,000	8,600	8,100	9,200	7,800
Selenium		BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	2	BDL	2	BDL	2	2
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		7,800	10,000	9,000	10,000	9,000	11,000	12,000	13,000	13,000	12,000	18,000	16,000	17,000	18,000	17,000	94,000	100,000	78,000	89,000	76,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		6	BDL	9	8	BDL	6	BDL	BDL	10	12	6	BDL	12	BDL	BDL	6	58	27	5	27
Cobalt		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	2	BDL	BDL	BDL	BDL	BDL	BDL	1	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**	200	76	1,800	110	14	150	150	62	190	210	21	29	28	25	32	270	410	520	270	220
Dissolved Manganese		BDL	BDL	36	BDL	BDL	NA	NA	NA	NA	NA	NA	33	25	25	28	NA	450	510	270	210
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	1	BDL	7	6	BDL	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL
Sulfate		NA	17,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride		NA	7,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Bicarbonate		NA	51,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Carbonate		NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FIELD PARAMETERS																					
Temperature Degrees C		12.45	8.67	11.90	12.58	12.49	12.30	8.89	10.51	10.60	10.78	12.03	8.63	10.74	11.27	12.07	10.50	8.40	11.15	13.91	10.23
pH		6.61	6.47	6.12	6.49	6.47	6.36	6.80	6.66	6.95	6.69	7.26	7.81	8.02	8.17	7.23	7.00	7.01	6.82	7.58	6.48
Conductivity in us/cm		127	171	159	172	171	162	211	200	223	220	176	236	216	253	241	941	941	880	1	893
Dissolved Oxygen in mg/l		9.63	3.99	3.68	2.72	2.09	2.01	0.85	0.37	1.31	0.78	5.47	0.87	0.12	0.22	0.87	1.36	0.42	0.35	0.19	0.47
Turbidity in NTU		70.6	3.11	111	1.75	0.65	1.56	28.4	9.90	1.31	107	0.40	2.20	70.6	6.61	2.63	15.6	40.1	95.0	1.60	7.50
Oxidation/Reduction Potential in mV		105	105	169	201	128	96	-42	101	21	-16	-61	1	-163	-150	9	-113	26	-5	-96	-42

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
2010 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	FPC-11A	FPC-11A	FPC-11A	FPC-11A	FPC-11A	FPC-11B	FPC-11B	FPC-11B	FPC-11B	FPC-11B	GZ-105	GZ-105	GZ-105	GZ-105	GZ-105	GZ-123	GZ-123	GZ-123	GZ-123
DATE SAMPLED	CLEANUP	30-Aug-06	15-Nov-07	12-Aug-08	17-Aug-09	16-Aug-10	30-Aug-06	15-Nov-07	12-Aug-08	17-Aug-09	16-Aug-10	29-Aug-06	14-Nov-07	11-Aug-08	19-Aug-09	18-Aug-10	12-Nov-07	12-Aug-08	18-Aug-09	16-Aug-10
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																			
Acetone		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	**5**	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	6	6	6	6	7	BDL	BDL	BDL	BDL
Chlorobenzene	**100**	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	9	10	10	11	11	BDL	BDL	BDL	BDL
Chloroethane		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	7	9	11	12	9	BDL	BDL	BDL	BDL
Chloromethane		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4 Dichlorobenzene		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	2	4	4	5	5	BDL	BDL	BDL	BDL
1,1 Dichloroethane		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2 Dichloroethene		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	2	2	2	3	BDL	BDL	BDL	BDL
p - Isopropyltoluene		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Ether		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	49	61	57	62	57	BDL	BDL	BDL	BDL
Tetrahydrofuran		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	83	80	70	80	70	BDL	BDL	BDL	BDL
Toluene		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4 Trimethylbenzene		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5 Trimethylbenzene		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
m&p - Xylene		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	1	1	1	BDL	BDL	BDL	BDL	BDL
1,4-Dioxane			NA	NA	NA	NA		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
Methylethylketone (MEK)	**200**	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylisobutylketone (MIBK)		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl t-butyl ether (MTBE)		BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
METALS IN ug/l																				
Aluminum		270	640	120	BDL	100	13,000	350	BDL	90	50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Arsenic	**10**	BDL	1	1	BDL	9	6	9	8	10	10	6	11	10	13	15	BDL	BDL	BDL	BDL
Barium		4	17	15	10	36	72	18	34	48	52	43	52	48	61	60	5	4	5	4
Cadmium		BDL	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	64,000	54,000	75,000	56,000	58,000	65,000	44,000	49,000	69,000	73,000	11,000	12,000	16,000	13,000
Chromium	**100**	BDL	2	BDL	BDL	BDL	16	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper		BDL	3	BDL	BDL	BDL	4	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL
Iron (Total)		1,000	2,100	390	100	910	13,000	1,900	3,200	1,900	1,400	6,200	5,100	3,700	4,900	4,800	3,900	1,800	2,300	4,500
Dissolved Iron		BDL	BDL	BDL	BDL	750	2,100	240	2,800	1,900	1,200	5,300	3,800	3,700	4,700	4,500	1,700	370	2,500	1,900
Lead	**15**	BDL	2	BDL	BDL	BDL	6	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		1,700	6,100	5,200	3,800	19,000	27,000	12,000	16,000	19,000	20,000	23,000	18,000	18,000	27,000	24,000	3,000	3,100	4,500	3,700
Mercury		BDL	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	17	13	12	3	BDL	7	8	9	9	9	5	4	5	4
Potassium		28,000	3,800	3,000	2,400	5,300	6,500	3,600	5,300	5,800	5,800	7,500	5,700	6,200	7,100	6,500	2,100	1,900	2,100	1,800
Selenium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	1	BDL	BDL	BDL	1	11	BDL	BDL	BDL	BDL
Silver		BDL	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	41,000	38,000	88,000	93,000	153,000	160,000	160,000	150,000	160,000	17,000	15,000	17,000	15,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		6	26	BDL	6	BDL	19	31	13	8	BDL	4	BDL	BDL	BDL	BDL	8	BDL	BDL	BDL
Cobalt		8	2	BDL	BDL	BDL	21	6	4	1	BDL	BDL	BDL	BDL	BDL	BDL	5	3	5	4
Beryllium	**4**	BDL	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	880	1,300	1,400	710	520	480	390	400	500	460	3,300	2,300	3,000	2,200
Dissolved Manganese		BDL	600	BDL	BDL	400	770	1,500	1,300	780	490	510	470	400	500	450	3,600	1,900	3,200	2,100
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	3	1	BDL	BDL	7	1	BDL	BDL	BDL	BDL	BDL	1	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
Chloride		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
Alkalinity Carbonate		NA	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	11.70	12.46	13.72	13.15	12.63	11.03	10.15	10.60	10.96	10.29	11.72	12.26	14.53	13.58
pH		6.82	5.93	6.00	6.03	6.58	6.67	6.65	6.96	6.98	6.78	8.48	7.16	7.95	7.57	7.25	5.57	5.63	6.13	5.31
Conductivity in us/cm		164	348	394	312	978	398	761	712	935	1,032	431	1,145	512	1,360	1,294	220	183	245	237
Dissolved Oxygen in mg/l		8.87	4.84	6.07	5.98	2.15	6.55	0.79	0.31	0.43	0.44	1.65	0.28	0.17	0.21	0.08	0.77	2.41	2.62	3.39
Turbidity in NTU		352.8	21.3	94.1	124.0	2.24	2,906	17.0	21.5	2.28	2.07	46.1	18.9	16.4	3.88	0.41	22.9	35.2	4.15	18.4
Oxidation/Reduction Potential in mV		58	137	193	178	20	-36	110	9	-72	-38	-190	29	-118	-119	-154	129	162	121	125

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
2010 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	GZ-125	GZ-125	GZ-125	GZ-125	AE-1A	AE-1A	AE-1A	AE-1A	AE-1A	AE-1B	AE-1B	AE-1B	AE-2A	AE-2A	AE-2A	AE-2A	AE-2A
DATE SAMPLED	CLEANUP	12-Nov-07	12-Aug-08	18-Aug-09	8-Feb-11	30-Aug-06	16-Nov-07	12-Aug-08	20-Aug-09	18-Aug-10	12-Aug-08	20-Aug-09	16-Aug-10	30-Aug-06	8-Nov-07	11-Aug-08	18-Aug-09	17-Aug-10
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL																	
Acetone		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Benzene	**5**	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	2	BDL	BDL	1
Chlorobenzene	**100**	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	5	2	2	3
Chloroethane		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Chloromethane		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
1,4 Dichlorobenzene		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	2	1	BDL	BDL
1,1 Dichloroethane		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
cis-1,2 Dichloroethene		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Ethylbenzene		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
p - Isopropyltoluene		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Naphthalene		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Diethyl Ether		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	19	7	6	7
Tetrahydrofuran		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	20	BDL	10	BDL
Toluene		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
1,2,4 Trimethylbenzene		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
1,3,5 Trimethylbenzene		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
o-Xylene		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
m&p - Xylene		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
1,4-Dioxane		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	12
Methylethylketone (MEK)	**200**	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Methylisobutylketone (MIBK)		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL
Methyl t-butyl ether (MTBE)		BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	32
METALS IN ug/l																		
Aluminum		BDL	BDL	BDL	BDL	63	970	180	BDL	BDL	BDL	BDL	BDL	BDL	BDL	210	BDL	BDL
Arsenic	**10**	BDL	BDL	BDL	BDL	15	39	41	29	20	3	4	6	240	280	230	240	240
Barium		4	3	3	4	18	22	18	18	19	150	58	37	26	41	30	28	32
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		14,000	13,000	15,000	14,000	45,000	14,000	11,000	25,000	29,000	22,000	25,000	23,000	21,000	29,000	23,000	24,000	28,000
Chromium	**100**	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper		BDL	BDL	BDL	2	BDL	9	3	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (Total)		350	790	1,400	5,400	340	3,100	140	100	260	620	1,100	2,500	12,000	19,000	16,000	14,000	16,000
Dissolved Iron		BDL	BDL	BDL	480	400	BDL	BDL	120	210	BDL	1,100	2,300	14,000	19,000	15,000	17,000	16,000
Lead	**15**	BDL	BDL	BDL	2	BDL	15	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		8,600	8,000	8,900	7,600	16,000	3,000	2,000	8,600	9,600	10,000	13,000	12,000	9,300	11,000	8,300	9,000	11,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL	12	12	12	10	9
Potassium		2,800	2,600	2,600	2,400	4,900	4,300	3,100	3,800	3,400	10,000	9,300	6,100	16,000	21,000	17,000	16,000	17,000
Selenium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL
Sodium		18,000	17,000	19,000	1,600	22,000	26,000	23,000	24,000	20,000	31,000	33,000	25,000	43,000	39,000	32,000	33,000	35
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		6	8	6	12	10	45	9	BDL	BDL	7	BDL	BDL	6	BDL	BDL	7	BDL
Cobalt		BDL	BDL	BDL	BDL	16	3	BDL	BDL	BDL	BDL	BDL	BDL	8	13	11	10	11
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	160	62	81	290	440	130	14	250	380	300	730	530	510	770	610	650	700
Dissolved Manganese		170	53	88	240	450	6	BDL	320	360	BDL	750	500	510	830	560	710	660
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	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
Chloride		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
FIELD PARAMETERS																		
Temperature Degrees C		10.04	12.92	12.16	8.17	11.80	9.70	15.26	13.23	13.12	13.56	13.02	12.33	12.40	10.36	11.14	11.39	11.59
pH		5.75	5.93	5.81	6.23	8.77	8.78	8.82	8.76	7.15	7.82	7.60	6.70	6.47	6.69	6.54	7.33	6.10
Conductivity in us/cm		276	240	281	282	227	208	175	262	386	387	472	440	321	743	514	614	663
Dissolved Oxygen in mg/l		2.95	3.12	2.03	2.19	3.55	2.31	3.16	1.36	0.66	6.19	0.98	0.80	3.93	0.35	0.14	0.22	0.30
Turbidity in NTU		5.03	23.0	16.6	23.3	82.8	15.9	12.2	2.62	0.03	163	3.13	0.66	0.20	0.77	74.4	2.28	1.28
Oxidation/Reduction Potential in mV		165	186	172	45.4	-50	88	82	74	-22	113	-81	-40	-29	-102	-59	-69	-33

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
2010 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	AE-2B	AE-2B	AE-2B	AE-2B	AE-2B	AE-3A	AE-3A	AE-3A	AE-3A	AE-3A	AE-3B	AE-3B	AE-3B	AE-3B	AE-3B
DATE SAMPLED	CLEANUP	29-Aug-06	8-Nov-07	11-Aug-08	18-Aug-09	17-Aug-10	29-Aug-06	15-Nov-07	12-Aug-08	18-Aug-09	19-Aug-10	29-Aug-06	16-Nov-07	12-Aug-08	18-Aug-09	20-Aug-10
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL															
Acetone		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	**5**	3	5	5	2	2	BDL	2	2	2	2	BDL	BDL	BDL	1	1
Chlorobenzene	**100**	3	5	5	3	3	6	9	8	7	6	BDL	BDL	BDL	5	5
Chloroethane		8	11	12	6	BDL	13	12	13	11	9	6	5	BDL	9	8
Chloromethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4 Dichlorobenzene		BDL	1	1	BDL	BDL	BDL	2	1	1	1	BDL	BDL	BDL	BDL	1
1,1 Dichloroethane		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
Ethylbenzene		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
p - Isopropyltoluene		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
Diethyl Ether		46	65	63	39	29	BDL	18	19	15	14	BDL	13	12	14	14
Tetrahydrofuran		69	60	70	50	30	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
1,2,4 Trimethylbenzene		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
o-Xylene		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
1,4-Dioxane			NA	NA	NA	110		NA	NA	NA	23		NA	NA	NA	24
Methylethylketone (MEK)	**200**	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
Methyl t-butyl ether (MTBE)		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	BDL	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Arsenic	**10**	24	20	19	26	16	100	130	150	120	120	91	82	95	91	79
Barium		200	190	170	160	120	65	86	85	76	69	180	130	150	160	130
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		72,000	57,000	49,000	52,000	45,000	45,000	38,000	42,000	45,000	40,000	57,000	45,000	48,000	45,000	41,000
Chromium	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper		BDL	BDL	BDL	1	BDL	BDL	BDL	1	1	BDL	BDL	BDL	BDL	BDL	BDL
Iron (Total)		22,000	18,000	16,000	13,000	6,800	22,000	19,000	22,000	26,000	18,000	14,000	12,000	13,000	16,000	12,000
Dissolved Iron		25,000	18,000	15,000	13,000	6,100	19,000	19,000	20,000	24,000	17,000	17,000	16,000	12,000	15,000	12,000
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Magnesium		60,000	40,000	32,000	35,000	29,000	24,000	20,000	21,000	25,000	19,000	32,000	22,000	25,000	26,000	21,000
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	**100**	10	13	10	10	9	8	8	9	8	7	6	8	9	7	6
Potassium		16,000	13,000	13,000	13,000	12,000	24,000	22,000	22,000	26,000	20,000	25,000	20,000	21,000	23,000	19,000
Selenium		BDL	BDL	1	2	9	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL	BDL	5
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		180,000	230,000	200,000	190,000	160,000	87,000	100,000	86,000	73,000	73,000	110,000	110,000	120,000	92,000	82,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		6	BDL	BDL	BDL	BDL	3	BDL	7	BDL	BDL	5	BDL	BDL	BDL	BDL
Cobalt		BDL	4	2	BDL	2	BDL	3	3	4	3	BDL	1	1	1	BDL
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	2,400	2,100	1,700	1,700	1,300	690	840	850	1,300	760	1,000	570	480	1,400	950
Dissolved Manganese		2,300	2,200	1,500	1,700	1,200	660	890	800	1,300	740	1,000	760	430	1,400	940
Antimony	**6**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	1	BDL	BDL	BDL	BDL	BDL	BDL
Sulfate		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
Alkalinity Bicarbonate		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
FIELD PARAMETERS																
Temperature Degrees C		12.20	9.88	10.98	12.74	13.73	14.80	11.92	14.39	15.32	13.63	12.30	9.84	11.36	12.89	12.94
pH		6.72	7.07	6.84	7.27	6.46	6.77	7.25	6.64	6.52	6.76	7.23	7.20	7.15	7.40	6.88
Conductivity in us/cm		1,269	1,610	1,366	1,530	1,325	926	1,124	1,076	970	1,016	969	1,208	1,126	1,156	1,057
Dissolved Oxygen in mg/l		1.45	1.01	0.67	0.31	0.95	1.71	0.31	0.24	0.25	0.25	1.37	0.54	0.16	0.29	0.13
Turbidity in NTU		3.10	0.60	27.2	2.38	1.03	4.80	3.94	28.2	10.8	3.9	5.40	16.3	87.9	4.53	1.13
Oxidation/Reduction Potential in mV		-127	-58	-102	-94	-53	-98	-109	-85	-95	-119	-149	90	-142	-96	-125

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
2010 ANNUAL MONITORING PLAN DATA ASSESSMENT REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

SAMPLE IDENTIFICATION	INTERIM	AE-4A	AE-4A	AE-4A	AE-4A	AE-4A	**AE-4B**	**AE-4B**	**AE-4B**	**AE-4B**	**AE-4B**
DATE SAMPLED	CLEANUP	28-Aug-06	14-Nov-07	11-Aug-08	18-Aug-09	18-Aug-10	28-Aug-06	14-Nov-07	11-Aug-08	18-Aug-09	18-Aug-10
VOLATILE ORGANIC COMPOUNDS IN ug/l	LEVEL										
Acetone		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	**5**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	**100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4 Dichlorobenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1 Dichloroethane		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2 Dichloroethene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p - Isopropyltoluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Ether		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5 Trimethylbenzene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
m&p - Xylene		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dioxane				NA	NA	NA		NA	NA	NA	NA
Methylethylketone (MEK)	**200**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylisobutylketone (MIBK)		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
METALS IN ug/l											
Aluminum		240	70	470	100	60	1,500	1,200	1,200	530	790
Arsenic	**10**	BDL	3	10	3	2	BDL	1	BDL	BDL	BDL
Barium		11	15	20	13	12	8	28	19	12	13
Cadmium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Calcium		6,900	4,900	6,100	6,300	6,000	7,700	6,400	7,100	7,300	7,000
Chromium	**100**	BDL	BDL	BDL	BDL	BDL	BDL	3	2	BDL	1
Copper		BDL	BDL	2	BDL	BDL	BDL	5	4	2	2
Iron (Total)		9,100	6,500	28,000	9,500	5,000	1,500	1,900	2,100	720	1,200
Dissolved Iron		3,700	160	2,900	3,500	1,500	BDL	BDL	400	BDL	BDL
Lead	**15**	BDL	BDL	BDL	BDL	BDL	BDL	2	2	BDL	BDL
Magnesium		6,100	4,300	5,200	5,800	4,900	4,700	5,100	5,200	5,700	5,300
Mercury		BDL	BDL	BDL	BDL	BDL	BDL	0.3	0.1	BDL	BDL
Nickel	**100**	BDL	7	2	BDL	BDL	BDL	3	2	1	1
Potassium		2,300	2,300	2,400	2,300	2,300	5,000	4,200	4,600	4,200	3,800
Selenium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Silver		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Sodium		6,700	7,000	7,000	8,000	7,000	23,000	22,000	20,000	21,000	18,000
Thallium		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc		BDL	BDL	8	BDL	6	6	8	8	BDL	6
Cobalt		BDL	3	1	BDL	BDL	BDL	2	1	BDL	BDL
Beryllium	**4**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Manganese (Total)	**300**	310	290	400	320	290	220	1,100	600	260	190
Dissolved Manganese		300	330	330	350	290	90	84	250	42	23
Antimony	**6**	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vanadium	**260**	BDL	BDL	2	BDL	BDL	BDL	3	2	BDL	BDL
Sulfate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Bicarbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity Carbonate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FIELD PARAMETERS											
Temperature Degrees C		12.27	11.10	13.70	15.22	15.21	11.78	9.93	10.73	12.66	12.07
pH		6.41	6.89	6.56	6.81	6.50	6.74	7.30	6.79	7.00	6.72
Conductivity in us/cm		111	118	129	147	142	156	207	176	205	196
Dissolved Oxygen in mg/l		1.24	3.98	0.08	0.31	0.25	1.43	0.51	0.62	1.28	1.25
Turbidity in NTU		3.89	81.6	490	68.2	35.9	6.10	49.4	115	16.3	14.0
Oxidation/Reduction Potential in mV		-83	78	-8	-18	-16	-37	92	115	167	68

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
2010 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-5	R-5	R-5	R-5
DATE SAMPLED	24-Jan-08	13-Aug-08	19-Aug-09	17-Aug-10	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
FIELD PARAMETERS								
Temperature Degrees C	13.51	12.51	11.38	12.58	14.22	14.00	16.51	18.50
pH	5.63	5.85	7.92	7.14	5.84	5.92	6.68	6.03
Conductivity in us/cm	316	423	452	443	243	281	456	222
Dissolved Oxygen in mg/l	4.16	3.72	4.64	2.19	6.43	8.04	6.75	5.45
Turbidity in NTU	2.0	15.4	2.2	0.5	1.4	12	2	0.17
Oxidation/Reduction Potential in mV	157	95	-122	-35	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 LEACHATE ANALYTICAL RESULTS
2010 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
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
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
Chlorobenzene	250	50	27	15	18	12	20	18	22		BDL	20	24
Chloroethane	NSE	NSE	8	6	6	3	6	BDL	6		BDL	4.4	BDL
Chloroform	28.9	1240	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
1,2 Dichlorobenzene									1		BDL	1.1	2
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	2	2		BDL	1.5	2
Diethyl Ether	NSE	NSE	31	BDL	BDL	BDL	BDL	BDL	23		BDL	13	15
Naphthalene									BDL		BDL	0.6	BDL
Tetrahydrofuran	NSE	NSE	32	BDL	BDL	BDL	BDL	BDL	20		BDL	12	10
Toluene													1
1,4-Dioxane			NA	NA	NA	NA	NA	NA	NA		NA	26	20
METALS BY EPA METHOD 6020 IN ug/L			Total	Total	Total	Total	Total		Total	Dissolved	Total	Total	Total
Aluminum	**750**	87	**3200**	**4100**	**9,500**	**29,000**	**18,000**		BDL	BDL	170	BDL	BDL
Arsenic	340	150	83	23	67	150	300		7	6	4	4	7
Barium	NSE	NSE	1300	260	610	2200	4600		97	99	11	100	100
Cadmium	0.95	0.80	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
Chromium	183	24	20	13	27	55	70		BDL	BDL	1	BDL	BDL
Copper	**3.6**	2.7	BDL	**5**	**13**	**36**	**40**		BDL	1	**8**	BDL	BDL
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
Lead	14	0.54	BDL	2	8	**34**	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
Mercury	1.4	0.77	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
Potassium	NSE	NSE	66	55	46,000	38,000	50,000		34,000	40	7,800	37,000	33,000
Selenium	NSE	5	7	8	4	3	BDL		BDL	BDL	BDL	BDL	2
Silver	0.32	NSE	BDL	BDL (2)	**2**	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
Thallium	1,400	40	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
Cobalt	NSE	NSE	BDL	3	6	11	10		BDL	1	BDL	BDL	BDL
Beryllium	130	5.3	3	BDL	BDL	3	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
Antimony	9,000	1,600	6	BDL	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL
Vanadium	NSE	NSE	46	13	36	89	220		1	1	2	2	1
Chemical Oxygen Demand by EPA Method 410.4 IN mg/l	NSE	NSE	190	178	560	282	377		70		50	50	54
Cyanide (Total)									BDL		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
FIELD PARAMETERS													
Temperature Degrees C									11.81		17.73	14.14	16.0
pH									6.19		6.57	6.37	6.56
Conductivity in us/cm									1,600		176	1,459	1,500
Dissolved Oxygen in mg/l									2.23		4.94	1.25	0.63
Turbidity in NTU									17.9		90	9.98	8.55
Oxidation/Reduction Potential in mV									138		42	-38	-99

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).

TABLE 6

SUMMARY OF ANALYTICAL RESULTS
SIX-INCH WELLS - INTERVAL SAMPLING
2010 ANNUAL MONITORING REPORT
COAKLEY LANDFILL OU-1 AND OU-2
NORTH HAMPTON, NEW HAMPSHIRE

BP-4		
Depth	Arsenic	Manganese
39	0.026	0.82
49	0.032	0.84
49 DUP	0.030	0.82
59	0.027	0.83
69	0.028	0.82
79	0.027	0.82
89	0.027	0.82
97	0.028	0.76

MW-6		
Depth	Arsenic	Manganese
30	0.002	0.34
40	<0.001	0.66
50	<0.001	0.70
60	0.002	0.89
60 DUP	0.001	0.77
70	0.002	0.79
80	0.002	0.78
90	0.002	0.80
100	0.002	0.80
110	0.009	0.75
120	0.009	0.89
130	0.008	1.1
140	0.006	1.3
150	0.014	1.4
160	0.008	1.5

GZ-125		
Depth	Arsenic	Manganese
62	<0.001	0.51
72	0.001	0.67
82	0.001	0.65
92	0.001	0.41
102	<0.001	0.32
112	<0.001	0.38
122	0.001	0.47
132	<0.001	0.24
142	<0.001	0.30
152	<0.001	0.30
162	<0.001	0.31
172	<0.001	0.40
182	<0.001	0.32

Sample depths in feet from surface grade
Concentrations in milligrams per liter (mg/l), equivalent to parts per million (ppm)

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
P0081

Measure by: KMM
Date: 8/16-17/10

Well ID	DTW	TD	Screened Interval	Diameter	Zone	Tubing Intake	Purge	
Operating Unit 1								old intake
BP-4	15.15	>100.71	33.6-99.0	6	Bedrock	66.3		
MW-2	6.66	X	10-20	1	Overburden	X		
MW-4	32.19	39.00	28-38	2	Overburden	bailer 33		
MW-5S	12.26	83.38	48-78	2	Overburden	63	15 gal.	20 ↑
MW-5D	10.76	161.64	139-159	2	Bedrock	new 149	10 gal.	30
MW-6	10.57	174.40	25-184	6	Bedrock	104.5		catches
MW-8	8.67	67.56	44-64	2	Bedrock	54	10 gal.	62
MW-9	7.98	12.98	5-10	2	Overburden	7.5		7½
MW-10	6.39	12.14	5-10	2	Overburden	7.5		
MW-11	11.62	54.93	32-52	2	Bedrock	42	10 gal.	
OP-2	7.50	16.88	7-12	2	Overburden	9.5		
OP-5	15.77	25.83	13-23	1.5	Overburden	18		
RMW-3	obstructed	20.10	29-34	2	Overburden	31.5		
Operating Unit 2								
AE-1A	30.26	67.19	54-64	2	Overburden	replace 59		~45
AE-1B	30.25	87.45	75-85	2	Bedrock	replace 79		38'
AE-2A	5.84	22.35	10-20	2	Overburden	OK 15		
AE-2B	5.15	52.90	40-50	2	Bedrock	45		30
AE-3A	8.80	20.09	- 17.5	2	Overburden	(12.5)		
AE-3B	9.34	43.16	28-40	2	Bedrock	replace 34	6 gal.	20
AE-4A	5.71	16.40	5-15	2	Overburden	10		
AE-4B	6.40	46.08	34-44	2	Bedrock	39		
FPC-2A	2.78	14.80	6-16	2	Overburden	replace 11		4
FPC-2B	1.53	40.36	22.5-37.5	2	Bedrock	replace 30	7.5 gal.	13
FPC-4B	6.03	35.47	18-33	2	Bedrock	25.5	7.5 gal.	
FPC-5A	1.57	25.95	54-64	2	Overburden	59		
FPC-5B	1.16	>100.13	95-110	2	Bedrock	102.5	7.5 gal.	102
FPC-6A	8.32	10.24	1.75-2.75	2	Overburden	2.3		5' pipe
FPC-6B	5.84	30.23	13-28	2	Bedrock	20.5	7.5 gal.	green box
FPC-7A	1.69	24.00	16.7-21.7	2	Overburden	19.2		
FPC-7B	2.19	47.00	29.8-44.8	2	Bedrock	37.3	7.5 gal.	
FPC-8A	2.18	33.91	23-33	2	Overburden	26		25
FPC-8B	2.50	58.07	40-55	2	Bedrock	47.5	7.5 gal.	39
FPC-9A	21.20	68.87	58-68	2	Overburden	replace 63		
FPC-9B	21.45	X	72-87	2	Bedrock	X		
FPC-9C	21.00	X	15-25	2	Overburden	X		
FPC-11A	21.45	50.56	47-52	2	Overburden	49.5		
FPC-11B	21.34	70.95	58-73	2	Bedrock	replace 65.5	7.5 gal.	55
GZ-105	3.77	52.03	35-50	1.5	Bedrock	42.5	7.5 gal.	
GZ-123	10.44	17.43	11.5-16.5	2	Overburden	13		
GZ-125	4.41	~200?	57-200	6	Bedrock	128.5		

Now piping up higher

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 6-17-10
Sampled By: MM
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
19:30		Bailer		0	15.48	1013	6.70	-57	3.04	12.2	
19:42				1	13.42	1039	6.54	-58	2.13	30.7	
19:54				2	13.09	1046	6.51	-63	1.79	42.5	
20:00				3	13.07	1062	6.49	-63	1.20	13.7	
20:04				3½	14.09	1041	6.50	-64	1.61	14.7	
20:08				4	13.08	1037	6.52	-63	1.59	14.5	
20:15	5001										

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

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/19/10
Sampled By: SMS
Provan & Lorber, Inc.

Monitoring Point: MW-55
Depth to Water: 12.26 (KM) 12.45 (SS)
Total Depth: 83
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
1220	15.00		200 sec		12.62	1.083	6.48	5	1.08	4.09	pump running since 1216
1250	16.00		140 sec	3 gal	12.92	1.067	6.53	-46	.65	4.26	spd up pump
1310	17.4		140 sec	7 gal	12.14	1.065	6.53	-65	.33	4.12	
1330	17.6		120 sec		11.30	1.063	6.54	-70	.28	4.02	spd up
1400	17.90		100 sec	12 gal	12.41	1.067	6.52	-74	.27	3.61	
1430	19.45		120 sec	14 gal	11.37	1.071	6.52	-73	.22	3.04	
~~1435~~	19.55		120 sec		11.56	1.073	6.51	-75	.27	3.73	
1440	19.67		120 sec	15 gal	11.58	1.072	6.51	-74	.24	3.54	
1445	19.80		120 sec		11.61	1.072	6.52	-75	.25		sample

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

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/19/10
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: MW-5D
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
15:32	10.96										
15:45	12.01		260		13.73	1490	7.33	-147	0.55	12.47	
15:58	12.05										
16:10	12.38		200		12.94	1490	7.24	-161	0.24	10.91	
16:20	12.43		212		12.79	1490	7.24	-165	0.18	6.09	
16:30	12.48			3	12.68	1495	7.24	-166	0.15	3.18	
16:49	12.55		220		12.62	1500	7.24	-168	0.13	2.83	
17:00	12.51				12.45	1500	7.23	-168	0.12	2.43	
17:15	12.55		200		12.27	1500	7.23	-167	0.10	1.04	
17:30	12.55				12.21	1500	7.22	-167	0.09	0.90	
17:45	12.56		204		12.09	1510	7.21	-166	0.09	1.34	
18:00	sample										

Δ <0.3'	3%	3%	±0.1	±10mV	10%	10% if >5	Stabilization Definitions
					10-5		

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/17/10
Sampled By: SMS
Provan & Lorber, Inc.

Monitoring Point: MW-8
Depth to Water: 8.67
Total Depth: 67.56
Pump Intake Depth:
Purging Device: Peristaltic Pump

10 gal

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
1245	8.85		240 sec		15.08	1.56	6.84	15	1.94	9.63	
1300	10.05		280 sec		15.53	1.56	6.88	-73	.90	5.84	
1320	10.10		320 sec		16.43	1.56	6.91	-97	.53	3.94	
1340	10.10		300 sec		16.40	1.57	6.91	-104	.34	3.53	
1410	10.10		300 sec		16.10	1.58	6.94	-110	.30	2.73	
1430	10.15		300 sec		16.00	1.61	6.85	-109	.18	2.73	
1440	10.15		300 sec		16.21	1.63	6.82	-107	.22	1.76	
1450	10.20		280 sec		16.23	1.62	6.81	-105	.25	1.44	
1500	10.15		320 sec		16.30	1.63	6.81	-102	.27	1.68	
sample 1510				10 gal							2 VOC
											2
											2
											1 TAL
Δ <0.3'					3%	3%	±0.1	±10mV	10% 10% if >5		Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-17-10
Sampled By: S U S
Provan & Lorber, Inc.

Monitoring Point: MW-9
Depth to Water: 7.98
Total Depth: 12.98
Pump Intake Depth: 7.5' p/p
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
1850	8.4		320 sec		16.84	1.058	5.95	22	.95	13.8	
1900	8.4		320 sec		16.81	1.123	5.96	-1	.59	9.98	
1910	8.45		360 sec		16.60	1.131	5.94	-5	.49	5.39	
1920	8.4		360 sec		16.50	1.145	5.93	-5	.45	6.2	
1930	8.4		360 sec		16.00	1.152	5.92	-4	.42	2.7	
1940	8.4		360 sec		15.90	1.154	5.91	-4	.41	1.78	
1950	8.4			3 gal	15.76	1.154	5.91	-4	.41	1.80	
sample 2000				@							

Δ <0.3'			3%	3%	±0.1	±10mV	10% 70.5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/18/10
Sampled By: SMS
Provan & Lorber, Inc.

Monitoring Point: MW-10
Depth to Water: 6.39
Total Depth: 12.14
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
0830	6.45		232 sec		16.32	.84	5.99	33	.91	2.30	
0840	6.50		232 sec		16.21	.87	6.08	12	.85	1.30	
0850	6.50		228 sec		16.11	.88	6.08	4	.58	2.84	
0900	6.50		232 sec		16.00	.892	6.08	-2	.51	1.68	
0910	6.50		232 sec		16.02	.894	6.08	-6	.47	1.92	
0920	6.50		232 sec		16.01	.897	6.09	-8	.44	1.90	
0925	6.50			2.5 gal							
Sample											TAL

Stabilization Definitions: Δ <0.3' | 3% | 3% | ±0.1 | ±10mV | 10% | 10% if >1 (>0.5)

10gal

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/18/10
Sampled By: SLS
Provan & Lorber, Inc.

Monitoring Point: MW-11
Depth to Water: 11.62
Total Depth: 54
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
1330	11.80		240 sec		12.44	.750	6.45	26	.85	4.34	
1400	12.00		240 sec		13.02	.770	6.53	-59	.39	4.71	
1420	12.00		280 sec		13.05	.712	6.52	-71	.25	3.41	
1440	11.80		300 sec		14.80	.748	6.57	-74	.52	3.68	
1510	11.70				15.88	.744	6.67	-70	.49	4.34	alot of air - trouble keeping
1530	12.00		360 sec		16.55	.751	6.52	-62	.98	4.68	meter head out put ~~down~~ under water/air level.
1600	12.00		240 sec		13.84	.732	6.51	-60	.83	3.37	new silicone + tape
1610	12.40		240 sec		12.86	.748	6.48	-62	.31	2.36	hole in tube - better flow
1620	12.40		240 sec		13.70	.748	6.48	-65	.32	2.75	
1630	12.40		240 sec	10gal	14.05	.751	6.50	-67	.32	3.25	
Sample 1635	12.40										TAL
											VOC
											1,4 diox
											EDB / DBCP
Δ <0.3'					3%	3%	±0.1	±10mV	10% >0.5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/18/10
Sampled By: SMS
Provan & Lorber, Inc.

Monitoring Point: OP-2
Depth to Water: (7.75) 7.5
Total Depth: 16
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
1840	7.85		200 sec		14.63	.627	5.89	103	1.86	8.16	
1850	7.95		240 sec		14.00	.627	6.02	35	.84	5.50	
1900	7.95		200 sec		13.97	.627	6.01	31	.74	2.72	
1910	7.95		200 sec		14.03	.625	6.01	22	.38	2.55	
1920	7.95		200 sec		14.04	.626	6.00	14	.32	2.30	
1930	7.95		200 sec		14.00	.627	6.01	7	.28	2.84	
1935	7.95			4 gal							1,4 diox
Sample											EDB
											TAL
											DIS

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

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/18/10
Sampled By: SMS
Provan & Lorber, Inc.

Monitoring Point: OP-5
Depth to Water: 15.77
Total Depth: 25
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
1730	15.85		180 sec		11.47	.187	5.25	139	1.70	2.73	
1740	15.90		180 sec		11.06	.189	5.45	121	.83	1.71	
1750	15.92		180 sec		10.98	.190	5.55	110	.56	1.94	
1800	15.90		180 sec		10.88	.192	5.55	102	.46	2.00	
1810	15.90		180 sec		10.89	.192	5.55	98	.43	1.90	
1820	15.90		180 sec		10.92	.193	5.54	95	.41	2.29	
1825	15.90			3gal							TAL
											DS
											1,4 diox
											EDP

Sample

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

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 10/16/10
Sampled By: SLS
Provan & Lorber, Inc.

Monitoring Point: AE-1A
Depth to Water: 30.26
Total Depth: 57.19
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate 1L	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
1050	30.30	✓	280 sec		12.89	.246	7.58	128	1.84	1.21	Speed up pump
1100	30.33		240 sec		12.63	.270	7.73	110	1.71	2.02	
1107	30.34		280 sec		12.79	.314	7.61	90	1.38	1.33	
1112	30.34		280 sec		13.35	.331	7.48	37	1.72	.50	
1120	30.32		280 sec		13.14	.367	7.23	13	2.19	.30	speed up pump
1126	30.34		240 sec		13.12	.366	7.15	-22	.66	.03	
1135				3gal							1 TOL
sample											1 DIS
Δ <0.3'					3%	3%	±0.1	±10mV	10% >0.5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/16/10
Sampled By: SuS
Provan & Lorber, Inc.

Monitoring Point: AE-1B
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
1200	30.80	✓	200 sec		12.22	.001	6.50	14	1.53	1.15	
1205	30.90		184 sec		12.04	.447	6.62	-2	1.09	.04	
1210	30.90		192 sec		12.30	.443	6.75	-23	.86	.19	
1218	30.88		188 sec		11.94	.440	6.70	-38	.70	.66	
1224	30.88		184 sec		12.33	.44	6.70	-40	.80	.66	
1232				3.5 gal							TAC
Sample											DIS

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

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-17-10
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: AE-2A
Depth to Water: 5.84
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
17:10			180								slow pump
17:13	6.44		200								
17:16	6.60		208		12.17	632	6.06	-27	0.38	20.5	
17:20	6.60		200		12.05	664	6.08	-29	0.35	11.3	
17:25	6.61		204		11.82	663	6.09	-31	0.33	5.53	
17:30	6.63		200		11.76	662	6.09	-32	0.30	1.32	
17:35	6.60		200		11.68	665	6.10	-33	0.30	0.38	
17:40	6.61		208		11.59	663	6.10	-33	0.30	1.28	
				2½ gal							
17:49		4 gpm									
Stabilization Definitions	Δ <0.3'				3%	3%	±0.1	±10mV	10% 10-5	10% if >5	

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-17-10
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: AE-2B
Depth to Water: 5.84
Total Depth: 22.55
Pump Intake Depth: 15' pipe
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate 3 sec per 1/4 liter	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
15:52			140								slow pump
15:57	7.96		212								slow pump
15:59	8.98		240		12.34	1484	6.27	-4	0.96	2.54	
16:05	11.54		260		12.89	1473	6.30	-24	0.87	2.41	
16:10	13.49		316		12.97	1425	6.33	-38	0.81	0.80	
16:15	15.36		268		12.92	1393	6.35	-43	0.78	0.89	
16:20	17.20		264		12.45	1389	6.38	-45	0.76	0.75	
16:26	19.34		296		12.82	1329	6.41	-47	0.68	0.50	
16:32	21.37		300		13.06	1339	6.43	-51	0.75	1.27	
16:39	23.76		320		13.30	1328	6.45	-52	0.88	0.88	
16:44	23.32		348		13.62	1319	6.45	-54	0.94	0.99	
16:49	26.71				13.73	1325	6.46	-53	0.95	1.03	
				3 gal							
16:55	sample										
	Δ <0.3'				3%	3%	±0.1	±10mV	10% 70 to 5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-19-10
Sampled By: KMN
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
18:30	8.97										
18:32	9.41										slow purge
18:35	9.91		360								
18:40	10.04				14.10	1023	6.79	-122	0.43	11.1	
18:45	10.10		344		14.05	1024	6.76	-124	0.30	7.40	
18:50	10.13				13.88	1023	6.77	-124	0.28	6.22	
18:55	10.14				13.85	1020	6.76	-123	0.25	5.65	
19:00	10.14		356		13.73	1018	6.77	-122	0.23	4.52	
19:05	10.15				13.71	1016	6.76	-121	0.22	4.12	
19:10	10.15		356		1363	1016	6.76	-119	0.25	3.84	
19:20	Sample										

Δ <0.3'			3%	3%	±0.1	±10mV	10% 10.5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 4-20-10
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
11:55~	9.71										
11:59	10.60		308								
12:04	11.41				14.55~	1104	6.96	-135~	0.66	9.33	
12:10	11.92		296		13.72	1105	7.08	-142	0.27	4.75~	
12:20	12.39				13.07	1083	6.97	-132	0.18	3.59	
12:30	12.60				12.75~	1078	6.97	-133	0.16	2.10	
12:40	12.64		290		12.87	1063	6.92	-129	0.15~	1.68	
12:50	12.65~				12.94	1060	6.91	-128	0.15~	1.65~	
13:00	12.60		292		12.78	1058	6.90	-127	0.14	1.45~	
13:10	12.58				12.85~	1059	6.90	-127	0.14	1.65~	
13:20	12.57				12.94	1057	6.88	-125~	0.13	1.13	
				6							
13:30	Sample										
Δ <0.3'					3%	3%	±0.1	±10mV	10% 10.5~	10% if >5~	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-18-10
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: AE-4A
Depth to Water: 3.71
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
13:46			244								Orang - cloudy
13:50	6.54		324								
13:55	6.62		296		15.33	141	6.48	13	0.80	379	
14:01	6.65		316		15.41	140	6.47	2	0.39	364	
14:08	6.67				13.07	139	6.48	-1	0.48	340	
14:14	6.69		296		13.05	140	6.47	-2	0.51	262	
14:20	6.69				14.95	141	6.48	-6	0.43	184	
14:25	6.66		288		15.12	142	6.49	-8	0.34	138	
14:30	6.67				13.20	142	6.49	-11	0.30	110	
14:35	6.66		280		15.24	142	6.50	-13	0.27	83.8	
14:40	6.67				13.07	142	6.49	-13	0.31	62.1	
14:45	6.67		304		13.06	142	6.50	-14	0.25	50.9	
14:50	6.67				13.12	142	6.49	-15	0.27	39.6	
14:55	6.67		300		13.22	142	6.48	-16	0.25	36.5	
15:00	6.68				13.21	142	6.50	-16	0.25	35.9	
15:05		Sampled									
	Δ <0.3'				3%	3%	±0.1	±10mV	10% >0.5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-19-10
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: AE-4B
Depth to Water: 6.40
Total Depth: 46.09
Pump Intake Depth: 39' pipe
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
12:43			164								
12:45	7.45		208								
12:50	9.92		212		12.23	199	7.34	53	0.99	45.3	
12:55	11.82		236		12.16	196	6.78	56	0.84	30.3	
13:00	13.65		240		12.18	195	6.69	61	1.02	18.9	
13:05	15.39		252		11.99	195	6.69	64	1.11	16.6	
13:11	17.22			2	12.11	195	6.70	68	1.67	14.9	air in tube
13:16	18.65		288		12.07	196	6.71	71	1.86	13.1	air in tube
13:22	20.15				12.02	196	6.71	68	1.24	13.8	
13:27	21.31				12.07	196	6.72	68	1.25	14.0	
				3gal							
13:35	sample										

Δ <0.3'				3%	3%	±0.1	±10mV	10% 70.5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/17/10
Sampled By: SMS
Provan & Lorber, Inc.

Monitoring Point: FPC-2A
Depth to Water: 2.78
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
0800	2.95		280 sec		14.15	.256	5.78	111	.71	38.3	
0810	3.0		280 sec		13.99	.256	5.85	97	.46	30.9	
0815	3.02		360 sec		14.21	.258	5.89	77	.53	24.1	
0825	3.02		360 sec		14.51	.258	5.94	65	.43	23.1	
0830	3.02		360 s		14.24	.260	5.89	58	.37	19.3	
0835	3.02		360 s		14.64	.262	5.90	51	.34	17.6	
0845	3.02		360 s		14.71	.263	5.91	47	.33	16.1	
0850	3.02				14.78	.263	5.91	44	.32	15.2	
0855				3 gal							2 VOC
											1 TAL
											1 DIS

sample

Δ <0.3'				3%	3%	±0.1	±10mV	10%	10% if >5	Stabilization Definitions
								70.5		

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/17/10
Sampled By: SuS
Provan & Lorber, Inc.

Monitoring Point: FPC-2B
Depth to Water: 1.53
Total Depth: 40
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
0915	1.80		360 sec		13.52	.251	7.06	26	.89	2.0	
0940	6.5		320 sec		13.26	.252	7.06	-21	.35	1.52	
0950	10.2		380 sec		13.74	.251	7.01	-36	.37	1.41	
1010	15.1		520 sec		13.91	.250	7.01	-54	.36	1.17	
1030	17.0		520 sec		16.58	.250	7.08	-47	1.42	1.26	
1040	19.2		480 sec		13.90	.249	7.01	-39	.78	1.38	
1100	24		480 sec		14.20	.248	7.02	-33	.89	1.29	pump down recharge
sample	20.41				9.90						
Δ <0.3'					3%	3%	±0.1	±10mV	10% >0.5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-18-10
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: FPC-4B
Depth to Water: 6.03
Total Depth: 33.47
Pump Intake Depth: 25'
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
10:10											
10:13	6.60		180								
10:15	6.73		200								
10:18	6.84		204		10.77	93	6.08	70	0.64	1.81	
10:25	6.88		220		10.63	93	6.23	70	0.37	2.03	
10:35	6.92		218	2½	10.54	95	6.28	59	0.28	0.77	slow pump
10:45	6.88		212		10.49	95	6.31	62	0.25	0.35	
10:55	6.86		232	4	10.49	94	6.34	70	0.24	0.59	
11:05	6.85		228		10.63	94	6.32	82	0.23	0.03	
11:15	6.86		216	5	10.62	94	6.35	92	0.21	0.01	
11:25	6.88		212		10.61	94	6.36	100	0.21	0.00	
11:35	6.87		220		10.70	94	6.37	106	0.22	0.00	
11:45	6.88		212		10.47	94	6.36	110	0.23	0.00	
11:55	6.88		212	7½	10.31	94	6.36	112	0.22	0.00	
12:00	sampled										
	Δ <0.3'				3%	3%	±0.1	±10mV	10% >0.5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/18/10
Sampled By: SMS
Provan & Lorber, Inc.

Monitoring Point: FPC-5A
Depth to Water: 1.57
Total Depth: 25
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
1135	1.65	/	180 sec		12.46	1.146	6.58	22	.93	1.79	
1145	1.80		200 sec		12.31	1,141	6.66	-41	.43	2.26	
1155	1.70		240 sec		12.50	1.136	6.64	-57	0.30	2.63	
1205	1.70		240 sec		12.73	1.134	6.64	-60	0.30	2.28	
1215	1.70		240 sec		12.67	1.133	6.63	-62	0.28	1.57	
1220				3 gal							Sample

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

7.5 gal

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/18/10
Sampled By: SMS
Provan & Lorber, Inc.

Monitoring Point: FPC-5B
Depth to Water: 1.16
Total Depth: 113
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
1000	1.45		200 sec		12.02	1.298	7.32	96	1.31	3.26	
1020	1.85		120 sec		11.50	1.365	7.35	-1	0.70	1.07	
1040	1.90		140 sec		11.28	1.301	7.36	-31	0.51	0.85	
1100	1.90		160 sec	6 gal	11.30	1.270	7.36	-54	.38	0.85	
1110	1.90		160 sec		11.28	1.256	7.38	-61	.39	0.77	
1120	1.80		200 sec		11.31	1.252	7.39	-66	0.37	0.66	
1125	1.75			7.50 gal							
											TAL

Sample

Δ <0.3'					3%	3%	±0.1	±10mV	10% 7 0.5	10% if >1	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-19-10
Sampled By: KMM
Provan & Lorber, Inc.

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

Time 24 Hr.	DTW	Pump Dial	Purge Rate sec./ml	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
9:10	8.53										
9:14	8.78		392		16.42	926	6.65	-44	1.90	7.73	
9:19	8.85				15.43	932	6.73	-59	0.89	4.79	
9:24	8.87		328		15.81	935	6.72	-64	0.81	3.27	
9:29	8.90				15.85	935	6.72	-66	0.84	4.31	
9:34	8.91		348		15.78	934	6.72	-66	0.85	4.25	
				1L							
9:40	sample										

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

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-19-10
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: FPC-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
9:53	6.00										
9:56	6.45										slow pump
10:02	6.48		324								
10:07	6.49				12.47	465	7.05	-98	0.74	7.72	
10:15	6.50		328		12.55	552	6.84	-103	0.41	4.62	
10:25	6.50				12.53	626	6.81	-107	0.32	4.55	
10:35	6.51		312		12.31	676	6.80	-108	0.26	3.63	
10:45	6.51				12.31	698	6.80	-109	0.24	2.88	
11:00	6.52		300	4	12.18	711	6.85	-111	0.28	1.10	
11:15	6.51				12.38	738	6.81	-102	0.26	1.04	
11:30	6.53				12.28	751	6.79	-109	0.17	0.56	
11:45	6.52		304		12.36	757	6.79	-111	0.17	1.71	
11:55	Sample										
Δ <0.3'					3%	3%	±0.1	±10mV	10% >0.5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-20-10
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: MPC-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
10:30	2.05										
10:35	2.07		200		12.90	195	6.44	133	4.17	1.13	
10:40	2.08				12.06	195	6.42	140	4.24	0.97	
10:45	2.08		200		11.77	195	6.40	144	4.30	0.67	
10:50	2.08				11.85	195	6.40	143	4.28	0.75	
10:55	2.09		180		11.72	195	6.40	146	4.24	0.68	
11:00	2.09				11.61	195	6.40	145	4.35	0.10	
				2¾							
11:05	3.00 ft										

Δ <0.3'	3%	3%	±0.1	±10mV	10%	10% if >1	Stabilization Definitions
					70.5		

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-20-10
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: MP-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
8:15	2.49										
8:21	3.17		312								
8:26	4.06				13.72	164	6.45	88	3.55~	3.12	
8:35~	4.95~		292		13.19	163	6.39	108	3.45	2.57	
8:45~	5.36				13.10	163	6.41	118	3.38	0.82	
8:55	5.50				13.10	162	6.41	118	3.37	1.16	
9:20	5.62		308		12.75~	166	6.62	111	2.69	0.44	reflect beginning of equil?
9:30	5.65~				12.48	167	6.51	125~	2.57	1.23	
9:40	5.65~				12.63	169	6.48	130	2.70	0.77	
9:50	5.66		280		12.56	169	6.47	132	2.22	0.86	
10:00	5.69				12.41	170	6.48	129	2.17	0.67	
10:10	5.73		308		12.32	170	6.47	134	2.16	0.69	
10:20	5.67				12.49	171	6.47	128	2.09	0.65~	
				7 1/2							
10:25	sample										
Δ <0.3'					3%	3%	±0.1	±10mV	10% >0.5	10% if >5~	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-18-10
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: FPC-8A
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
17:56	2.37		200								
17:59	3.89		220								
18:02	4.28		248		11.54	250	6.40	70	0.83	32.8	
18:09	4.73		220		11.32	259	6.63	42	0.69	47.7	
18:14	4.99				11.44	253	6.72	8	0.70	70.3	
18:20	5.29		244		11.25	240	6.73	-6	0.55	82.4	
18:25	5.45				11.04	247	6.76	-10	0.52	109.5	
18:30	5.61		236		10.93	225	6.75	-7	0.73	111	
18:35	5.71				10.94	223	6.72	-11	0.76	116	
18:40	5.82		220		10.78	220	6.69	-16	0.78	107	
				4 gal							
18:45	Sample										
Δ <0.3'					3%	3%	±0.1	±10mV	10% >0.5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/19/10
Sampled By: SLS
Provan & Lorber, Inc.

Monitoring Point: FPC 8b
Depth to Water: 2.3 (2.45)
Total Depth: 58 / below 40 not
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
0850	2.80		200 sec		11.70	.245	6.81	114	.80	3.49	
0910	7.05		240 sec		11.58	.242	7.07	85	.67	3.22	
0930	10.34		280 sec		11.75	.243	7.12	65	.50	3.02	
0950	12.85		300 sec		12.25	.243	7.14	40	.47	2.50	
1010	16.21		300 sec		11.93	.242	7.16	25	.50	3.62	
1050	19.95		300 sec		11.93	.241	7.26	12	.85	2.94	
1110	21.10		320 sec		11.95	.241	7.21	7	.76	3.16	
1120	21.92		300 sec		12.05	.241	7.24	9	.84	2.41	
1130	22.54		300 sec		12.07	.241	7.23	9	.87	2.63	
1135	22.70			7.5gal							TAL
											DIS
											VOC
											EDP
											1,4 diox

Sample

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

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/16/2010
Sampled By: SMS
Provan & Lorber, Inc.

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

Time 24 Hr.	DTW	~~Pump~~ Dial	Purge Rate use grad cyl	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
9:20	21.20	✓									
9:25	21.25	✓	208 sec		11.00	.864	6.34	35	.96	12.8	
9:35	21.25	✓	216 sec		10.98	.901	6.45	-4	.73	12.9	incr. pump rate
9:41	21.27	✓	140 sec		10.31	.885	6.46	-18	.65	21.0	slt. cloudy
9:47	21.27	✓	148 "		10.30	.902	6.42	-21	.60	20.4	
9:53	21.27		158 "		10.28	.890	6.39	-29	.54	22.4	
10:00	21.27		140 "		10.20	.891	6.46	-35	.50	27.7	humidity high affecting readings
10:05	21.27		148"		10.28	.887	6.43	-38	.47	8.07	high condensation
10:10	21.27		148"		10.27	.893	6.45	-42	.47	7.01	
10:5	21.27		152"		10.23	.893	6.48	-42	.47	7.50	
1020				6gal							1 TOT
											1 DIS

Sample

Stabilization Definitions: Δ <0.3' | 3% | 3% | ±0.1 | ±10mV | 10% | 10% if >5 (~~0.5~~)

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/16/10
Sampled By: SMS
Provan & Lorber, Inc.

Monitoring Point: FPC 11-A
Depth to Water: 21.45
Total Depth:
Pump Intake Depth:
Purging Device: Peristaltic Pump

Time 24 Hr.	DTW	Pump Dial	Purge Rate 1000 ml	Volume Purged	Temp. °C	Spec. Cond. µS/cm	pH	ORP mV	D.O. mg/L	Turbidity NTU	Comments
1345	21.45	/	280 sec		14.65	.582	6.27	83	2.35	14.8	
1350	21.5		280 sec		14.88	.781	6.35	65	2.30	8.36	
14.00	21.5		280 sec		15.09	.024	6.41	53	2.26	7.10	
14:10	21.5		280 sec		15.28	.0000	6.47	38	2.01	6.36	
14:20	21.5		280 sec		16.23	.917	6.58	29	2.22	4.87	
14:30	21.5		280 sec		16.65	.934	6.53	24	2.23	2.65	
14:35	21.5		280 sec		16.83	.929	6.54	23	2.35	2.55	
14:40	21.5		280 sec		16.94	.968	6.56	22	2.20	2.24	
14:45	21.5		280 sec		16.82	.978	6.58	20	2.15		
sampling 14:55				4 gal							

Stabilization Definitions: Δ <0.3' | | | 3% | 3% | ±0.1 | ±10mV | 10% | 10% if >5

70.5

Purge 7.5 before sample

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/16/10
Sampled By: SMS
Provan & Lorber, Inc.

Monitoring Point: FPC-11B
Depth to Water: 21.34
Total Depth: —50
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
1545	21.50		240 sec		16.88	.925	6.43	-2	3.15	32.1	
1600	21.80		260 sec		16.29	.922	6.40	-11	3.21	23.5	
1615	21.82		280 sec		14.17	.978	6.49	-15	1.11	7.16	
1625	21.80		280 sec		12.93	1.001	6.63	-24	.53	5.28	
1640	21.75		250 sec		13.80	1.013	6.68	-33	.64	2.88	pump↑
1700	21.80		250 sec		12.85	1.029	6.76	-40	.34	2.88	pump↑
1710	21.82		240 sec		12.83	1.031	6.76	-35	.53	2.25	
1720	21.82		240 sec		12.63	1.032	6.78	-38	.44	2.07	
1725	—	—	—	7.5 gal							TAL -
											DIS -

Sample

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

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-18-10
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: 62-105
Depth to Water: 3.77
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
16:48											
16:50	3.80										
16:53	3.81		140		11.23	739	8.09	-172	0.43	1.02	
16:57	3.81		124		10.92	1009	7.50	-152	0.27	0	
17:01	3.81		120		10.69	1168	7.34	-149	0.19	0.18	
17:06	3.81		124		10.57	1208	7.29	-130	0.13	0	
17:11	3.82				10.49	1265	7.28	-151	0.11	0	
17:16	3.82		120		10.38	1282	7.26	-152	0.10	0.03	
17:21	3.83				10.37	1289	7.25	-153	0.09	0.52	
17:26	3.83			4 1/2	10.29	1294	7.25	-154	0.08	0.41	
17:30	Sample										

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

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8/16/10
Sampled By: SMS
Provan & Lorber, Inc.

Monitoring Point: ~~[illegible]~~ GZ-123
Depth to Water: 10.44
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
1800	10.65		240 sec		13.36	.237	4.90	141	1.50	184	
1810	10.68		256 sec		13.55	.227	5.20	133	2.54	59.3	
1815	10.65		256 sec		13.70	.233	5.29	127	2.70	23.2	
1820	10.7		250 sec		14.06	.236	5.31	124	2.60	48.0	
1830	10.65		360 sec		13.83	2.38	5.32	123	2.76	11.1	
1835	10.65		360 sec		14.12	.238	5.31	122	2.67	33.8	
1845	10.70		360 sec		14.55	.238	5.33	120	3.45	43.4	very humid
1855	10.70		340 sec		13.44	.236	5.31	122	3.18	42.6	
1900	10.70		360 sec		13.70	.238	5.29	123	3.05	41.3	
1905	10.70		360 sec		13.72	.237	5.30	123	3.15	17.3	
1910	10.74		360 sec		13.70	.237	5.31	124	3.40	18.5	
1915	10.74		360 sec		13.58	.237	5.31	125	3.39	18.4	
Sample 1920	-			3.5 gal							2 VOC
											1 TAS
											1 DIS
Δ <0.3'					3%	3%	±0.1	±10mV	10% >0.5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 8-17+10
Sampled By: * 8-19-10
KMM Provan & Lorber, Inc.

Monitoring Point: _____
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
8-17		SW-4	Day									
		SW-103	Day									
	14:20	R-1		—	—	16.0	1500	6.56	-99	0.63	8.95	
		SW5	In surface stream		water							
8-19	19:05	R-3				12.58	443	7.14	-35	2.19	0.93	
8-19	13:10	R-5				14.90	222	6.03	146	5.45	0.17	

Δ <0.3'	3%	3%	±0.1	±10mV	10% 7 0.5	10% if >5	Stabilization Definitions

Project Name: Coakley Landfill
Project Number: P0081
Monitoring Date: 2-8-11
Sampled By: KMM
Provan & Lorber, Inc.

Monitoring Point: 6" wells
Depth to Water: _____
Total Depth: _____
Pump Intake Depth: _____
Purging Device: Discrete Interval 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
BP-4											
10:30	15.27				7.83	1056	6.62	-18.3	1.02	1.13	
					8.77	282					
12:25	9.18				9.17	282	6.23	45.4	2.19	23.3	
13:00											
MW-6					5.83	238	6.04	33.8	1.53	19.3	
15:00	9.53										
Equipment Blank			14:00								
Field Blank			14:15								

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

TABLE 1
INSTRUMENT CALIBRATION LOG

Project Name Coakley L.F. Date 8-16-10
Weather Overcast

Calibrated by KMM Instrument Hydrolab Quanta
Serial Number HQ-105

Parameters	Morning Calibration	Morning Temperature	End of Day Calibration Check*	End of Day Temperature
Specific Conductance Standard #1	1413	21.7	1413	24.0
Specific Conductance Standard #2				
pH (7)	7.00		6.99	
pH (4)	4.00		3.92	
pH (10)				
ORP Zobel solution	240		230	
Dissolved Oxygen 100% water saturated air mg/L	100%		98.4 %	
Dissolved Oxygen Zero Dissolved Oxygen Solution mg/L	0.32 mg/L		0.19	
Barometric Pressure mm Hg	780	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 Cooklev LF. Date 8-17-10
Weather

Calibrated by KMM Instrument ~~HQ-105~~ Hydrolab Quanta
Serial Number

Parameters	Morning Calibration HQ-104	Morning Temperature HQ-119	End of Day Calibration Check*	End of Day Temperature
Specific Conductance Standard #1	1414	1413		
Specific Conductance Standard #2				
pH (7)	7.00	7.00		
pH (4)	4.00	4.00		
pH (10)				
ORP Zobel solution	239	240		
Dissolved Oxygen 100% water saturated air mg/L	100	26°C 100 8.21		
Dissolved Oxygen Zero Dissolved Oxygen Solution mg/L	7.8% 0.28	1.2% 0.08		
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 M.F. Date 6-18-10
Weather

Calibrated by KMM Instrument Hydrolab Quanta
Serial Number

Parameters	Morning Calibration HQ-105	Morning Temperature HQ119	End of Day Calibration Check*	End of Day Temperature
Specific Conductance Standard #1	1388 Pre-Cal 1413 Post-Cal	1413		
Specific Conductance Standard #2	Pre Cal Post Cal	Pre Cal Post Cal		
pH (7)	6.79 7.00	7.09 7.00		
pH (4)	4.33 4.00	4.05 4.00		
pH (10)				
ORP Zobel solution	241	230 Pre-Cal 240		
Dissolved Oxygen 100% water saturated air mg/L	93	93.8 Pre-Cal 100		
Dissolved Oxygen Zero Dissolved Oxygen Solution mg/L	3.9% 0.31	1.0% 0.07		
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 Coalinga H.F. Date 8-19-10
Weather

Calibrated by KMM Instrument
Serial Number

Parameters	Morning Calibration HQ-105	Morning Temperature HQ-119	End of Day Calibration Check*	End of Day Temperature
Specific Conductance Standard #1	1409 Pre 1413 Post	1418 Pre 1413 Post		
Specific Conductance Standard #2	Pre Post	Pre Post		
pH (7)	7.11 7.00	7.02 7.00		
pH (4)	3.88 4.00	3.95 4.00		
pH (10)				
ORP Zobel solution	239	238 240		
Dissolved Oxygen 100% water saturated air mg/L	96.1%	99.9%		
Dissolved Oxygen Zero Dissolved Oxygen Solution mg/L	4.0% 0.30	1.0 % 0.08 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 Coalinga L.R. Date 8-20-18
Weather

Calibrated by Instrument
Serial Number

Parameters	Morning Calibration NQ-105	Morning Temperature NQ-119	End of Day Calibration Check* NQ-119	End of Day Temperature
Specific Conductance Standard #1	1407	1425 Pre 1413 Post	1404	
Specific Conductance Standard #2				
pH (7)	6.95	7.07	6.99	
pH (4)	~~3.93~~	4.01	4.07	
pH (10)				
ORP Zobel solution	237	235 Pre 240 Post	230	
Dissolved Oxygen 100% water saturated air mg/L	98.8	100.1	98	
Dissolved Oxygen Zero Dissolved Oxygen Solution mg/L	3.8% 0.28 ~~0.42~~	0.9% 0.07	0.6% 0.04	
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 L.F. Date 7-8-11
Weather_____

Calibrated by KMM Instrument YSI 556
Serial Number_____

Parameters	Morning Calibration	Morning Temperature	End of Day Calibration Check*	End of Day Temperature
Specific Conductance Standard #1	1413		1443	
Specific Conductance Standard #2				
pH (7)	7		7.00	
pH (4)	4		3.96	
pH (10)	10		10.00	
ORP Zobel solution	240		247	
Dissolved Oxygen 100% water saturated air mg/L	100		94.6	
Dissolved Oxygen Zero Dissolved Oxygen Solution mg/L	0.7% 0.06 mg/L		0.7% 0.05 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.

SECTION 3

eastern analytical, inc.
professional laboratory services

ACCREDITED IN ACCORDANCE WITH nelac

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

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 91943
Client Identification: Coakley Landfill | P0081
Date Received: 8/17/2010

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 — Lorraine Olashaw, Lab Director

9.1.10 — Date

346 — # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Temperature upon receipt (°C): 5 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
91943.01	GW-AE-1A-0810	8/17/10	8/16/10	aqueous		Adheres to Sample Acceptance Policy
91943.02	GW-AE-1B-0810	8/17/10	8/16/10	aqueous		Adheres to Sample Acceptance Policy
91943.03	GW-FPC-9A-0810	8/17/10	8/16/10	aqueous		Adheres to Sample Acceptance Policy
91943.04	GW-FPC-11A-0810	8/17/10	8/16/10	aqueous		Adheres to Sample Acceptance Policy
91943.05	GW-FPC-11B-0810	8/17/10	8/16/10	aqueous		Adheres to Sample Acceptance Policy
91943.06	GW-GZ-123-0810	8/17/10	8/16/10	aqueous		Adheres to Sample Acceptance Policy
91943.07	GW-MW-8-0810	8/17/10	8/17/10	aqueous		Adheres to Sample Acceptance Policy
91943.08	GW-FPC-2A-0810	8/17/10	8/17/10	aqueous		Adheres to Sample Acceptance Policy
91943.09	LC-L-1-0810	8/17/10	8/17/10	aqueous		Adheres to Sample Acceptance Policy
91943.1	LC-L-1-DUP-0810	8/17/10	8/17/10	aqueous		Adheres to Sample Acceptance Policy
91943.11	Trip Blank 8260	8/17/10	8/4/10	aqueous		Adheres to Sample Acceptance Policy
91943.12	Trip Blank 14DIOX	8/17/10	7/14/10	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

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-GZ-123-0810	GW-MW-8-08 10	GW-FPC-2A-0810	LC-L-1-0810	Trip Blank 8260
Lab Sample ID:	91943.06	91943.07	91943.08	91943.09	91943.11
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/16/10	8/17/10	8/17/10	8/17/10	8/4/10
Date Received:	8/17/10	8/17/10	8/17/10	8/17/10	8/17/10
Units:	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10
Analyst:	KJP	KJP	KJP	KJP	KJP
Method:	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1
Dichlorodifluoromethane	< 5	< 5	< 5	< 5	< 5
Chloromethane	< 2	< 2	< 2	< 2	< 2
Vinyl chloride	< 2	< 2	< 2	< 2	< 2
Bromomethane	< 2	< 2	< 2	< 2	< 2
Chloroethane	< 5	**20**	< 5	< 5	< 5
Trichlorofluoromethane	< 5	< 5	< 5	< 5	< 5
Diethyl Ether	< 5	**98**	< 5	**15**	< 5
Acetone	< 10	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1
tert-Butyl Alcohol (TBA)	< 30	**50**	< 30	< 30	< 30
Methylene chloride	< 5	< 5	< 5	< 5	< 5
Carbon disulfide	< 5	< 5	< 5	< 5	< 5
Methyl-t-butyl ether(MTBE)	< 5	< 5	< 5	< 5	< 5
Ethyl-t-butyl ether(ETBE)	< 5	< 5	< 5	< 5	< 5
Isopropyl ether(DIPE)	< 5	< 5	< 5	< 5	< 5
tert-amyl methyl ether(TAME)	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2	< 2	< 2
2,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2
2-Butanone(MEK)	< 10	< 10	< 10	< 10	< 10
Bromochloromethane	< 2	< 2	< 2	< 2	< 2
Tetrahydrofuran(THF)	< 10	**160**	< 10	**10**	< 10
Chloroform	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2
1,1-Dichloropropene	< 2	< 2	< 2	< 2	< 2
Benzene	< 1	**6**	< 1	**2**	< 1
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 2	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2
Dibromomethane	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2
Toluene	< 1	< 1	< 1	**1**	< 1
trans-1,3-Dichloropropene	< 2	< 2	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2
2-Hexanone	< 10	< 10	< 10	< 10	< 10
Tetrachloroethene	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropane	< 2	< 2	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2
1,2-Dibromoethane(EDB)	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	< 2	**7**	< 2	**24**	< 2
1,1,1,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	< 1	< 1	< 1	< 1	< 1

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-GZ-123-0810	GW-MW-8-0810	GW-FPC-2A-0810	LC-L-1-0810	Trip Blank 8260
Lab Sample ID:	91943.06	91943.07	91943.08	91943.09	91943.11
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/16/10	8/17/10	8/17/10	8/17/10	8/4/10
Date Received:	8/17/10	8/17/10	8/17/10	8/17/10	8/17/10
Units:	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10
Analyst:	KJP	KJP	KJP	KJP	KJP
Method:	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1
mp-Xylene	< 1	**1**	< 1	< 1	< 1
o-Xylene	< 1	**1**	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	**2**	< 1	**2**	< 1
Bromobenzene	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2
1,2,3-Trichloropropane	< 2	< 2	< 2	< 2	< 2
n-Propylbenzene	< 1	< 1	< 1	< 1	< 1
2-Chlorotoluene	< 2	< 2	< 2	< 2	< 2
4-Chlorotoluene	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	**1**	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	**2**	< 1	**3**	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	**2**	< 1
n-Butylbenzene	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 5	< 5	< 5	< 5	< 5
1,2,3-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1
4-Bromofluorobenzene (surr)	**90 %R**	**99 %R**	**91 %R**	**100 %R**	**92 %R**
1,2-Dichlorobenzene-d4 (surr)	**106 %R**	**103 %R**	**110 %R**	**110 %R**	**107 %R**
Toluene-d8 (surr)	**97 %R**	**99 %R**	**98 %R**	**101 %R**	**100 %R**

Deviations from the Report:
GW-MW-8-0810 Parameter: IsoPropylbenzene Date of Analysis: 8/26/2010 Dilution Factor: 1
LC-L-1-0810 Parameter: IsoPropylbenzene Date of Analysis: 8/27/2010 Dilution Factor: 1

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 5	* 27 (134 %R)	* 26 (132 %R) (2 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Chloromethane	< 2	23 (113 %R)	20 (101 %R) (11 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Vinyl chloride	< 2	18 (88 %R)	17 (83 %R) (6 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Bromomethane	< 2	21 (103 %R)	18 (88 %R) (16 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Chloroethane	< 5	20 (101 %R)	19 (95 %R) (6 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	< 5	23 (117 %R)	23 (114 %R) (3 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Diethyl Ether	< 5	22 (110 %R)	22 (109 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Acetone	< 10	20 (76 %R)	20 (84 %R) (10 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethene	< 1	22 (111 %R)	21 (105 %R) (6 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	< 30	* 90 (%R)	* 110 (%R) (RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Methylene chloride	< 5	20 (102 %R)	19 (97 %R) (5 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Carbon disulfide	< 5	20 (100 %R)	19 (95 %R) (5 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	< 5	21 (104 %R)	21 (104 %R) (0 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	< 5	20 (100 %R)	21 (103 %R) (3 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	< 5	20 (98 %R)	20 (99 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	< 5	22 (109 %R)	23 (116 %R) (6 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	< 2	23 (115 %R)	24 (119 %R) (3 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	< 2	21 (107 %R)	22 (108 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	< 2	20 (101 %R)	20 (101 %R) (0 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	< 2	22 (110 %R)	23 (113 %R) (3 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	< 10	20 (87 %R)	20 (101 %R) (15 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Bromochloromethane	< 2	22 (109 %R)	22 (110 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	< 10	20 (92 %R)	20 (109 %R) (17 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Chloroform	< 2	22 (112 %R)	23 (113 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	< 2	23 (113 %R)	23 (114 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Carbon tetrachloride	< 2	22 (110 %R)	22 (111 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	< 2	21 (107 %R)	21 (107 %R) (0 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Benzene	< 1	23 (115 %R)	23 (115 %R) (0 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	< 2	20 (102 %R)	21 (103 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Trichloroethene	< 2	22 (109 %R)	22 (110 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	< 2	21 (104 %R)	21 (105 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Dibromomethane	< 2	22 (111 %R)	22 (112 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Bromodichloromethane	< 0.5	20 (100 %R)	20 (100 %R) (0 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
4-Methyl-2-pentanone(MIBK)	< 10	20 (90 %R)	20 (105 %R) (15 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
cis-1,3-Dichloropropene	< 2	21 (106 %R)	21 (107 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Toluene	< 1	23 (117 %R)	24 (118 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	< 2	19 (96 %R)	20 (99 %R) (3 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	< 2	21 (105 %R)	22 (111 %R) (6 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
2-Hexanone	< 10	20 (87 %R)	20 (100 %R) (14 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Tetrachloroethene	< 2	25 (125 %R)	25 (125 %R) (0 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	< 2	22 (108 %R)	22 (110 %R) (2 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Dibromochloromethane	< 2	22 (111 %R)	23 (115 %R) (4 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	< 2	21 (107 %R)	22 (111 %R) (4 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Chlorobenzene	< 2	22 (111 %R)	22 (111 %R) (0 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,1,1,2-Tetrachloroethane	< 2	24 (118 %R)	24 (120 %R) (2 RPD)	8/19/2010	ug/l	70 - 130	20	8260B

QC REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	24 (121 %R)	24 (121 %R) (0 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
mp-Xylene	< 1	48 (121 %R)	49 (122 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
o-Xylene	< 1	23 (116 %R)	24 (119 %R) (3 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Styrene	< 1	23 (114 %R)	23 (117 %R) (3 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Bromoform	< 2	20 (99 %R)	21 (107 %R) (8 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
IsoPropylbenzene	< 1	26 (129 %R)	* 26 (131 %R) (2 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Bromobenzene	< 2	21 (106 %R)	22 (109 %R) (3 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	< 2	19 (95 %R)	21 (103 %R) (8 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	< 2	20 (101 %R)	21 (106 %R) (5 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
n-Propylbenzene	< 1	23 (117 %R)	24 (118 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
2-Chlorotoluene	< 2	21 (103 %R)	22 (108 %R) (5 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
4-Chlorotoluene	< 2	22 (109 %R)	22 (110 %R) (1 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	< 1	22 (112 %R)	23 (116 %R) (4 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
tert-Butylbenzene	< 1	22 (111 %R)	23 (115 %R) (4 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	< 1	23 (113 %R)	23 (117 %R) (3 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
sec-Butylbenzene	< 1	22 (112 %R)	23 (117 %R) (4 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	< 1	22 (108 %R)	22 (111 %R) (3 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	< 1	23 (117 %R)	24 (120 %R) (3 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	< 1	21 (107 %R)	22 (109 %R) (2 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	< 1	21 (103 %R)	22 (108 %R) (5 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
n-Butylbenzene	< 1	22 (110 %R)	23 (116 %R) (5 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	< 2	18 (90 %R)	21 (104 %R) (14 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	< 1	* 21 (%R)	* 23 (%R) (RPD)	8/19/2010	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	< 1	21 (107 %R)	24 (120 %R) (11 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	< 0.5	20 (99 %R)	22 (109 %R) (10 RPD)	8/19/2010	ug/l	70 - 130	20	8260B
Naphthalene	< 5	18 (88 %R)	22 (112 %R) (24 RPD) !	8/19/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	< 1	18 (91 %R)	23 (113 %R) (22 RPD) !	8/19/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	94 %R	106 %R	105 %R	8/19/2010	% Rec	86 - 115	20	8260B
1,2-Dichlorobenzene-d4 (surr)	107 %R	96 %R	103 %R	8/19/2010	% Rec	80 - 120	20	8260B
Toluene-d8 (surr)	99 %R	101 %R	101 %R	8/19/2010	% 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.

Analytes that exceed the acceptance limits high in the quality control samples but are not detected in the field samples do not impact the data. For analytes that show low recovery in the quality control samples and are not detected in the field samples, a low point calibration standard is analyzed to support the reporting limit. Samples with IsoPropylbenzene were reanalyzed for that analyte.

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 5	25 (123 %R)	23 (116 %R) (6 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Chloromethane	< 2	20 (101 %R)	20 (99 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Vinyl chloride	< 2	17 (85 %R)	17 (83 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromomethane	< 2	21 (107 %R)	20 (101 %R) (6 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Chloroethane	< 5	20 (100 %R)	19 (93 %R) (7 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	< 5	22 (108 %R)	21 (106 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Diethyl Ether	< 5	21 (105 %R)	20 (102 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Acetone	< 10	10 (73 %R)	* 10 (68 %R) (7 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethene	< 1	21 (106 %R)	20 (101 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	< 30	* 90 (%R)	* 90 (%R) (RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Methylene chloride	< 5	20 (100 %R)	19 (96 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Carbon disulfide	< 5	18 (91 %R)	18 (90 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	< 5	20 (102 %R)	20 (101 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	< 5	20 (100 %R)	19 (97 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	< 5	19 (94 %R)	18 (92 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	< 5	22 (111 %R)	21 (107 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	< 2	23 (113 %R)	22 (109 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	< 2	20 (101 %R)	20 (99 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	< 2	20 (98 %R)	19 (96 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	< 2	22 (109 %R)	21 (103 %R) (6 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	< 10	20 (82 %R)	20 (80 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromochloromethane	< 2	21 (103 %R)	21 (103 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	< 10	20 (87 %R)	20 (84 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Chloroform	< 2	21 (106 %R)	21 (105 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	< 2	21 (105 %R)	21 (104 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Carbon tetrachloride	< 2	20 (100 %R)	20 (99 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	< 2	21 (103 %R)	20 (101 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Benzene	< 1	22 (110 %R)	21 (107 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	< 2	19 (96 %R)	19 (95 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Trichloroethene	< 2	22 (108 %R)	21 (104 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	< 2	20 (98 %R)	19 (96 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Dibromomethane	< 2	21 (106 %R)	21 (103 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromodichloromethane	< 0.5	18 (91 %R)	18 (90 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
4-Methyl-2-pentanone(MIBK)	< 10	20 (98 %R)	20 (95 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
cis-1,3-Dichloropropene	< 2	20 (102 %R)	20 (99 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Toluene	< 1	23 (114 %R)	22 (110 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	< 2	18 (91 %R)	18 (91 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	< 2	20 (99 %R)	20 (99 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
2-Hexanone	< 10	20 (86 %R)	20 (81 %R) (6 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Tetrachloroethene	< 2	25 (123 %R)	24 (119 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	< 2	21 (103 %R)	20 (98 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Dibromochloromethane	< 2	21 (103 %R)	21 (103 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	< 2	21 (105 %R)	20 (102 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Chlorobenzene	< 2	21 (107 %R)	21 (106 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1,1,2-Tetrachloroethane	< 2	23 (113 %R)	22 (110 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B

QC REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	23 (116 %R)	23 (113 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
mp-Xylene	< 1	47 (118 %R)	46 (116 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
o-Xylene	< 1	23 (117 %R)	22 (111 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Styrene	< 1	23 (115 %R)	22 (110 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromoform	< 2	18 (91 %R)	18 (91 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
IsoPropylbenzene	< 1	25 (126 %R)	25 (124 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromobenzene	< 2	21 (105 %R)	20 (100 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	< 2	18 (90 %R)	18 (89 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	< 2	18 (92 %R)	18 (91 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
n-Propylbenzene	< 1	22 (109 %R)	22 (109 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
2-Chlorotoluene	< 2	20 (100 %R)	20 (99 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
4-Chlorotoluene	< 2	20 (101 %R)	20 (101 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	< 1	22 (109 %R)	22 (108 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
tert-Butylbenzene	< 1	22 (108 %R)	22 (110 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	< 1	22 (108 %R)	22 (108 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
sec-Butylbenzene	< 1	22 (109 %R)	22 (108 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	< 1	21 (106 %R)	21 (106 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	< 1	22 (112 %R)	23 (113 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	< 1	21 (106 %R)	21 (103 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	< 1	20 (101 %R)	20 (98 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
n-Butylbenzene	< 1	21 (104 %R)	21 (105 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	< 2	17 (87 %R)	17 (83 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	< 1	* 21 (%R)	* 22 (%R) (RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	< 1	22 (109 %R)	21 (107 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	< 0.5	20 (100 %R)	20 (101 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Naphthalene	< 5	19 (93 %R)	19 (93 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	< 1	19 (96 %R)	19 (96 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	96 %R	102 %R	100 %R	8/26/2010	% Rec	86 - 115	20	8260B
1,2-Dichlorobenzene-d4 (surr)	99 %R	98 %R	98 %R	8/26/2010	% Rec	80 - 120	20	8260B
Toluene-d8 (surr)	97 %R	102 %R	100 %R	8/26/2010	% 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.

Analytes that exceed the acceptance limits high in the quality control samples but are not detected in the field samples do not impact the data. For analytes that show low recovery in the quality control samples and are not detected in the field samples, a low point calibration standard is analyzed to support the reporting limit.

QC REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 5	24 (119 %R)	24 (118 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Chloromethane	< 2	19 (97 %R)	19 (97 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Vinyl chloride	< 2	17 (84 %R)	16 (80 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromomethane	< 2	21 (104 %R)	20 (99 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Chloroethane	< 5	20 (99 %R)	19 (94 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	< 5	22 (108 %R)	21 (103 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Diethyl Ether	< 5	21 (107 %R)	21 (104 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Acetone	< 10	10 (75 %R)	20 (76 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethene	< 1	21 (105 %R)	20 (102 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	< 30	* 90 (%R)	* 100 (%R) (RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Methylene chloride	< 5	20 (102 %R)	19 (96 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Carbon disulfide	< 5	18 (92 %R)	17 (87 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	< 5	21 (105 %R)	21 (103 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	< 5	21 (105 %R)	20 (99 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	< 5	20 (98 %R)	19 (95 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	< 5	23 (114 %R)	22 (112 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	< 2	23 (116 %R)	22 (110 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	< 2	21 (104 %R)	20 (99 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	< 2	20 (101 %R)	19 (95 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	< 2	22 (108 %R)	21 (105 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	< 10	20 (87 %R)	20 (85 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromochloromethane	< 2	21 (106 %R)	21 (105 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	< 10	20 (92 %R)	20 (95 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Chloroform	< 2	22 (108 %R)	20 (102 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	< 2	22 (108 %R)	21 (103 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Carbon tetrachloride	< 2	21 (104 %R)	20 (101 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	< 2	21 (106 %R)	20 (100 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Benzene	< 1	22 (112 %R)	21 (106 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	< 2	20 (99 %R)	19 (97 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Trichloroethene	< 2	22 (108 %R)	21 (104 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	< 2	20 (101 %R)	20 (99 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Dibromomethane	< 2	22 (108 %R)	21 (103 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromodichloromethane	< 0.5	19 (96 %R)	18 (90 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
4-Methyl-2-pentanone(MIBK)	< 10	20 (100 %R)	20 (102 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
cis-1,3-Dichloropropene	< 2	21 (107 %R)	21 (103 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Toluene	< 1	22 (112 %R)	22 (110 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	< 2	19 (94 %R)	19 (94 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	< 2	20 (101 %R)	20 (102 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
2-Hexanone	< 10	20 (86 %R)	20 (90 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Tetrachloroethene	< 2	24 (121 %R)	24 (119 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	< 2	20 (101 %R)	20 (102 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Dibromochloromethane	< 2	22 (108 %R)	21 (107 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	< 2	21 (103 %R)	21 (105 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Chlorobenzene	< 2	21 (107 %R)	21 (107 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1,1,2-Tetrachloroethane	< 2	23 (114 %R)	22 (112 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B

QC REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	23 (114 %R)	22 (111 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
mp-Xylene	< 1	46 (115 %R)	46 (114 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
o-Xylene	< 1	23 (115 %R)	23 (114 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Styrene	< 1	22 (112 %R)	22 (111 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromoform	< 2	19 (94 %R)	20 (98 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
IsoPropylbenzene	< 1	25 (126 %R)	25 (123 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromobenzene	< 2	21 (106 %R)	21 (107 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	< 2	18 (92 %R)	19 (94 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	< 2	19 (94 %R)	19 (96 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
n-Propylbenzene	< 1	22 (110 %R)	22 (109 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
2-Chlorotoluene	< 2	20 (99 %R)	20 (100 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
4-Chlorotoluene	< 2	21 (105 %R)	21 (104 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	< 1	21 (106 %R)	22 (108 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
tert-Butylbenzene	< 1	22 (108 %R)	22 (110 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	< 1	22 (108 %R)	22 (108 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
sec-Butylbenzene	< 1	22 (108 %R)	22 (109 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	< 1	21 (106 %R)	21 (106 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	< 1	23 (114 %R)	23 (113 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	< 1	21 (104 %R)	21 (106 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	< 1	21 (103 %R)	21 (103 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
n-Butylbenzene	< 1	21 (106 %R)	21 (107 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	< 2	18 (89 %R)	19 (95 %R) (7 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	< 1	* 21 (%R)	* 22 (%R) (RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	< 1	22 (111 %R)	23 (114 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	< 0.5	19 (95 %R)	20 (99 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Naphthalene	< 5	19 (96 %R)	21 (103 %R) (7 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	< 1	20 (99 %R)	21 (105 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	95 %R	102 %R	101 %R	8/27/2010	% Rec	86 - 115	20	8260B
1,2-Dichlorobenzene-d4 (surr)	101 %R	97 %R	98 %R	8/27/2010	% Rec	80 - 120	20	8260B
Toluene-d8 (surr)	96 %R	98 %R	97 %R	8/27/2010	% 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.

Analytes that exceed the acceptance limits high in the quality control samples but are not detected in the field samples do not impact the data. For analytes that show low recovery in the quality control samples and are not detected in the field samples, a low point calibration standard is analyzed to support the reporting limit.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-8-0810	LC-L-1-0810	Trip Blank 14DIOX
Lab Sample ID:	91943.07	91943.09	91943.12
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	8/17/10	8/17/10	7/14/10
Date Received:	8/17/10	8/17/10	8/17/10
Units:	ug/l	ug/l	ug/l
Date of Analysis:	8/23/10	8/23/10	8/23/10
Analyst:	VG	VG	VG
Method:	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	20	1	1
1,4-Dioxane	**230**	**20**	< 1
4-Bromofluorobenzene (surr)	**116 %R**	**115 %R**	**112 %R**
Toluene-d8 (surr)	**106 %R**	**107 %R**	**105 %R**

QC REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	5 (94 %R)	4 (88 %R) (7 RPD)	8/23/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	113 %R	114 %R	113 %R	8/23/2010	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	105 %R	106 %R	106 %R	8/23/2010	% 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.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-8-0810	LC-L-1-0810
Lab Sample ID:	91943.07	91943.09
Matrix:	aqueous	aqueous
Date Sampled:	8/17/10	8/17/10
Date Received:	8/17/10	8/17/10
Units:	ug/l	ug/l
Date of Extraction/Prep:	8/19/10	8/19/10
Date of Analysis:	8/19/10	8/19/10
Analyst:	JMR	JMR
Method:	8011/504	8011/504
Dilution Factor:	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**108 %R**	**112 %R**

QC REPORT

Eastern Analytical, Inc. ID#: 91943 **Batch ID:** 734003-38364/D081910EDBDB1

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	< 0.02	0.11 (113 %R)	0.12 (117 %R) (3 RPD)	8/19/2010	ug/l	70 - 130	20	8011/504
Dibromochloropropane (DBCP)	< 0.02	0.12 (117 %R)	0.12 (123 %R) (5 RPD)	8/19/2010	ug/l	70 - 130	20	8011/504
1,1,1,2-Tetrachloroethane (surr)	110 %R	98 %R	107 %R	8/19/2010	% Rec	65 - 135	20	8011/504

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.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	LC-L-1-0810	LC-L-1-DUP-0810					
Lab Sample ID:	91943.09	91943.1					
Matrix:	aqueous	aqueous					
Date Sampled:	8/17/10	8/17/10	**Analysis**				
Date Received:	8/17/10	8/17/10	**Units**	**Date**	**Time**	**Method**	**Analyst**
Ammonia-N	**22**	**22**	mg/L	8/26/10	9:30	4500NH3D	SEL
COD	**54**	**48**	mg/L	8/20/10	11:00	H8000	LO

QC REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Ammonia-N	< 0.05	2.0 (98 %R)	1.9 (94 %R) (4 RPD)	mg/L	8/26/10	90 - 110	20	4500NH3D
COD	< 10	99 (99 %R)	100 (100 %R) (1 RPD)	mg/L	8/20/10	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	91943.09	22	24 (108 %R)	24 (103 %R) (5 RPD)	mg/L	8/26/10	80-120	20	4500NH3
COD	92005.04	< 10	48 (92 %R)	51 (96 %R) (4 RPD)	mg/L	8/20/10	80-120	20	H8000

Parameter Name	Duplicate Parent ID	Duplicate Parent	Duplicate	Units	Date of Analysis	RPD	Method
Ammonia-N	91943.09	22	21 (4 RPD)	mg/L	8/26/10	20	4500NH3D
COD		NA	NA	mg/L	8/20/10	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.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-AE-1A-0810	GW-AE-1B-0810	GW-FPC-9A-0810	GW-FPC-11A-0810					
Lab Sample ID:	91943.01	91943.02	91943.03	91943.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/16/10	8/16/10	8/16/10	8/16/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/17/10	8/17/10	8/17/10	8/17/10					
Aluminum	< 0.05	< 0.05	**0.17**	**0.10**	AqTot	mg/L	8/19/10	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Arsenic	**0.020**	**0.006**	**0.036**	**0.009**	AqTot	mg/L	8/19/10	200.8	DS
Barium	**0.019**	**0.037**	**0.075**	**0.036**	AqTot	mg/L	8/19/10	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Calcium	**29**	**23**	**42**	**60**	AqTot	mg/L	8/19/10	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Copper	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Cobalt	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Iron	**0.26**	**2.5**	**5.6**	**0.91**	AqTot	mg/L	8/19/10	200.8	DS
Iron	**0.21**	**2.3**	**4.8**	**0.75**	AqDis	mg/L	8/19/10	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Magnesium	**9.6**	**12**	**20**	**19**	AqTot	mg/L	8/19/10	200.8	DS
Manganese	**0.38**	**0.53**	**0.22**	**0.40**	AqTot	mg/L	8/19/10	200.8	DS
Manganese	**0.36**	**0.50**	**0.21**	**0.40**	AqDis	mg/L	8/19/10	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/19/10	200.8	DS
Nickel	< 0.001	< 0.001	**0.003**	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Potassium	**3.4**	**6.1**	**7.8**	**5.3**	AqTot	mg/L	8/19/10	200.8	DS
Selenium	< 0.001	< 0.001	**0.002**	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Sodium	**20**	**25**	**76**	**100**	AqTot	mg/L	8/19/10	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Vanadium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Zinc	< 0.005	< 0.005	**0.027**	< 0.005	AqTot	mg/L	8/19/10	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-FPC-11B-0810	GW-GZ-123-0810	GW-FPC-2A-0810					
Lab Sample ID:	91943.05	91943.06	91943.08					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	8/16/10	8/16/10	8/17/10					
Date Received:	8/17/10	8/17/10	8/17/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Aluminum	**0.05**	< 0.05	< 0.05	AqTot	mg/L	8/19/10	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Arsenic	**0.010**	< 0.001	**0.002**	AqTot	mg/L	8/19/10	200.8	DS
Barium	**0.052**	**0.004**	**0.013**	AqTot	mg/L	8/19/10	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Calcium	**58**	**13**	**15**	AqTot	mg/L	8/19/10	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Copper	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Cobalt	< 0.001	**0.004**	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Iron	**1.4**	**4.5**	**4.0**	AqTot	mg/L	8/19/10	200.8	DS
Iron	**1.2**	**1.9**	**2.7**	AqDis	mg/L	8/19/10	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Magnesium	**20**	**3.7**	**8.7**	AqTot	mg/L	8/19/10	200.8	DS
Manganese	**0.52**	**2.2**	**0.50**	AqTot	mg/L	8/19/10	200.8	DS
Manganese	**0.49**	**2.1**	**0.50**	AqDis	mg/L	8/19/10	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/19/10	200.8	DS
Nickel	< 0.001	**0.004**	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Potassium	**5.8**	**1.8**	**3.9**	AqTot	mg/L	8/19/10	200.8	DS
Selenium	**0.001**	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Sodium	**93**	**15**	**12**	AqTot	mg/L	8/19/10	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Vanadium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Zinc	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/19/10	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-8-0810	LC-L-1-0810
Lab Sample ID:	91943.07	91943.09
Matrix:	aqueous	aqueous
Date Sampled:	8/17/10	8/17/10
Date Received:	8/17/10	8/17/10

			Analytical Matrix	Units	Date of Analysis	Method	Analyst
Aluminum	< 0.05	< 0.05	AqTot	mg/L	8/19/10	200.8	DS
Antimony	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Arsenic	**0.013**	**0.007**	AqTot	mg/L	8/19/10	200.8	DS
Barium	**0.24**	**0.10**	AqTot	mg/L	8/19/10	200.8	DS
Beryllium	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Calcium	**41**	**71**	AqTot	mg/L	8/19/10	200.8	DS
Cadmium	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Chromium	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Copper	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Cobalt	**0.002**	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Iron	**5.2**	**34**	AqTot	mg/L	8/19/10	200.8	DS
Lead	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Magnesium	**45**	**21**	AqTot	mg/L	8/19/10	200.8	DS
Manganese	**2.1**	**2.9**	AqTot	mg/L	8/19/10	200.8	DS
Mercury	< 0.0001	< 0.0001	AqTot	mg/L	8/19/10	200.8	DS
Nickel	**0.017**	**0.006**	AqTot	mg/L	8/19/10	200.8	DS
Potassium	**16**	**33**	AqTot	mg/L	8/19/10	200.8	DS
Selenium	**0.004**	**0.002**	AqTot	mg/L	8/19/10	200.8	DS
Silver	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Sodium	**190**	**110**	AqTot	mg/L	8/19/10	200.8	DS
Thallium	< 0.001	< 0.001	AqTot	mg/L	8/19/10	200.8	DS
Vanadium	**0.001**	**0.001**	AqTot	mg/L	8/19/10	200.8	DS
Zinc	< 0.005	**0.006**	AqTot	mg/L	8/19/10	200.8	DS

QC REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	< 0.05	11 (98 %R)		mg/L	8/19/10	85 - 115	20	200.8
Antimony	< 0.001	1.0 (103 %R)		mg/L	8/19/10	85 - 115	20	200.8
Arsenic	< 0.001	0.97 (97 %R)		mg/L	8/19/10	85 - 115	20	200.8
Barium	< 0.001	1.0 (100 %R)		mg/L	8/19/10	85 - 115	20	200.8
Beryllium	< 0.001	1.1 (107 %R)		mg/L	8/19/10	85 - 115	20	200.8
Calcium	< 0.05	11 (100 %R)		mg/L	8/19/10	85 - 115	20	200.8
Cadmium	< 0.001	1.0 (100 %R)		mg/L	8/19/10	85 - 115	20	200.8
Chromium	< 0.001	1.0 (100 %R)		mg/L	8/19/10	85 - 115	20	200.8
Copper	< 0.001	0.95 (95 %R)		mg/L	8/19/10	85 - 115	20	200.8
Cobalt	< 0.001	0.99 (99 %R)		mg/L	8/19/10	85 - 115	20	200.8
Iron	< 0.05	11 (99 %R)		mg/L	8/19/10	85 - 115	20	200.8
Lead	< 0.001	1.0 (102 %R)		mg/L	8/19/10	85 - 115	20	200.8
Magnesium	< 0.05	11 (97 %R)		mg/L	8/19/10	85 - 115	20	200.8
Manganese	< 0.005	1.0 (100 %R)		mg/L	8/19/10	85 - 115	20	200.8
Mercury	< 0.0001	0.0011 (108 %R)		mg/L	8/19/10	85 - 115	20	200.8
Nickel	< 0.001	0.97 (97 %R)		mg/L	8/19/10	85 - 115	20	200.8
Potassium	< 0.05	11 (99 %R)		mg/L	8/19/10	85 - 115	20	200.8
Selenium	< 0.001	1.0 (100 %R)		mg/L	8/19/10	85 - 115	20	200.8
Silver	< 0.001	0.11 (112 %R)		mg/L	8/19/10	85 - 115	20	200.8
Sodium	< 5	11 (98 %R)		mg/L	8/19/10	85 - 115	20	200.8
Thallium	< 0.001	1.0 (104 %R)		mg/L	8/19/10	85 - 115	20	200.8
Vanadium	< 0.001	1.0 (102 %R)		mg/L	8/19/10	85 - 115	20	200.8
Zinc	< 0.005	1.0 (102 %R)		mg/L	8/19/10	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.

QC REPORT

Eastern Analytical, Inc. ID#: 91943

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	91943.09	< 0.05	9.1 (83 %R)	9.2 (83 %R) (0 RPD)	mg/L	8/19/10	70-130	20	200.8
Antimony	91943.09	< 0.001	1.1 (105 %R)	1.1 (106 %R) (1 RPD)	mg/L	8/19/10	70-130	20	200.8
Arsenic	91943.09	0.007	0.95 (94 %R)	0.94 (93 %R) (1 RPD)	mg/L	8/19/10	70-130	20	200.8
Barium	91943.09	0.10	1.2 (105 %R)	1.1 (103 %R) (2 RPD)	mg/L	8/19/10	70-130	20	200.8
Beryllium	91943.09	< 0.001	0.83 (83 %R)	0.83 (83 %R) (0 RPD)	mg/L	8/19/10	70-130	20	200.8
Calcium	91943.09	71	170 (94 %R)	180 (97 %R) (3 RPD)	mg/L	8/19/10	70-130	20	200.8
Cadmium	91943.09	< 0.001	0.99 (99 %R)	0.99 (99 %R) (0 RPD)	mg/L	8/19/10	70-130	20	200.8
Chromium	91943.09	< 0.001	0.82 (82 %R)	0.81 (81 %R) (1 RPD)	mg/L	8/19/10	70-130	20	200.8
Copper	91943.09	< 0.001	0.72 (72 %R)	0.73 (72 %R) (0 RPD)	mg/L	8/19/10	70-130	20	200.8
Cobalt	91943.09	< 0.001	0.80 (80 %R)	0.81 (80 %R) (0 RPD)	mg/L	8/19/10	70-130	20	200.8
Iron	91943.09	34	45 (98 %R)	45 (97 %R) (1 RPD)	mg/L	8/19/10	70-130	20	200.8
Lead	91943.09	< 0.001	0.94 (94 %R)	0.95 (95 %R) (1 RPD)	mg/L	8/19/10	70-130	20	200.8
Magnesium	91943.09	21	31 (88 %R)	31 (86 %R) (2 RPD)	mg/L	8/19/10	70-130	20	200.8
Manganese	91943.09	2.9	3.8 (99 %R)	3.8 (98 %R) (1 RPD)	mg/L	8/19/10	70-130	20	200.8
Mercury	91943.09	< 0.0001	0.0009 (91 %R)	0.0009 (94 %R) (3 RPD)	mg/L	8/19/10	70-130	20	200.8
Nickel	91943.09	0.006	0.78 (77 %R)	0.78 (77 %R) (0 RPD)	mg/L	8/19/10	70-130	20	200.8
Potassium	91943.09	33	44 (95 %R)	43 (93 %R) (2 RPD)	mg/L	8/19/10	70-130	20	200.8
Selenium	91943.09	0.002	0.93 (92 %R)	0.92 (92 %R) (0 RPD)	mg/L	8/19/10	70-130	20	200.8
Silver	91943.09	< 0.001	0.82 (82 %R)	0.83 (83 %R) (1 RPD)	mg/L	8/19/10	70-130	20	200.8
Sodium	91943.09	110	220 (102 %R)	220 (102 %R) (0 RPD)	mg/L	8/19/10	70-130	20	200.8
Thallium	91943.09	< 0.001	0.94 (94 %R)	0.96 (96 %R) (2 RPD)	mg/L	8/19/10	70-130	20	200.8
Vanadium	91943.09	0.001	0.86 (86 %R)	0.86 (85 %R) (1 RPD)	mg/L	8/19/10	70-130	20	200.8
Zinc	91943.09	0.006	0.74 (74 %R)	0.74 (73 %R) (1 RPD)	mg/L	8/19/10	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.

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CHAIN-OF-CUSTODY RECORD

91943

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: 524.2 524.2 BTEX 524.2 MTBE ONLY; 8260B 624 VTICS 1,4 DIOXANE EDB DBCP; 8021B BTEX HALOS; 8015B GRO MEGRO MAVPH	SVOC: 8270C 625 SVTICS ABN A BN PAH; TPH8100 LI 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_3 NO_2/NO_3; BOD CBOD-5 T. ALK.; TKN (NH_3) T. PHOS.; PH T. RES. CHLORINE; COD PHENOLS TOC; TOTAL CYANIDE TOTAL SULFIDE; REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: T. COLIFORM E. COLI; ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER: 1,4-Dioxane; EDB, DBCP	# OF CONTAINERS	NOTES MEOH VIAL #
GW-AE-1A-0810	8-16-10 / 11:35	GW	G				X X				2	
GW-AE-1B-0810	12:32						X X				2	
GW-FPC-9A-0810	10:20						X X				2	
GW-FPC-11A-0810	14:55						X X				2	
GW-FPC-11B-0810	17:25						X X				2	
GW-GZ-123-0810	19:20			X			X X				4	
GW-MW-8-0810	8-17-10 / 15:10			X			X		X X		7	
GW-FPC-2A-0810	8:55			X			X X				4	
LC-L-1-0810	14:20			X			X	X X	X X		9	
LC-L-1-DUP-0810	14:20							X X			2	
MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER				17			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: Coakley Landfill

PROJECT #: P0081

STATE: (NH) MA ME VT OTHER:

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

QUOTE #: 1008260 PO #:

DATE NEEDED: Standard T.A.T.

QA/QC (Special) REPORTING LEVEL

A B C

OR

MA MCP

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. Simpson

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Kevin McKibben	8-17-10	15:30	Susan Simpson
Susan Simpson	8/17/10	16:40	Fed-Ex-Mail Box
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

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

OTHER METALS: Total 23 TAL metals

DISSOLVED METALS FIELD FILTERED? (YES) NO

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

MS+MSD extra sample for LC-L-1-0810 for Ammonia

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)

Chain-of-Custody Record

91943

Bold Fields Required. Please Circle Requested Analysis.

22

Sample I.D.	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	VOC: 524.2 / 524.2 BTEX / 524.2 MTBE only	VOC: (8260) 624 VTICs / 1,4 Dioxane EDB DBCP	VOC: 8021B BTEX HALOS	VOC: 8015B GRO MEGRO MAVPH	SVOC: 8270C 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_3 NO_3/NO_2	Inorganics: BOD CBOD T. Alk.	Inorganics: TKN NH_3 T. Phos.	Inorganics: pH T. Res. Chlorine	Inorganics: COD Phenols TOC	Inorganics: Total Cyanide Total Sulfide	Inorganics: Reactive Cyanide Reactive Sulfide / Flashpoint Ignitability	Micro: T. Coliform E. Coli / F. Coliform	Micro: Enterococci / Heterotrophic Plate Count	Other: 1,4-Dioxane	Other: EDB, DBCP	Other	# of Containers	Notes MeOH Vial #
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 + Lorber
Address: P.O. Box 389
City: Contoocook **State:** NH **Zip:** 03229
Phone: 603-746-3220 **Ext.:**
Fax: 746-5642
E-Mail:
Site Name: Coakley Landfill
Project #: P0081
State: (NH) MA ME VT Other:
Regulatory Program: **NPDES:** RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:
Quote #: 1008260 **PO #:**

Date Needed: Standard T.A.T.

Temp. 5 °C
Ice? (Yes) No

QA/QC (special) **Reporting Level**
A B C
or
MA MCP Presumptive Certainty

Reporting Options
Prelims: Yes or No
If Yes: Fax or (PDF)

Electronic Options
No Fax E-Mail (PDF) Equis

Sampler(s): K. McKibben, S. Simpson

Relinquished By:	Date:	Time:	Received By:
Kevin McKibben	8-17-10	15:30	Susan Simpson
Susan Simpson	8/17/10	16:40	L. Zuk-MacLeod

Metals: 8 RCRA 13 PP (Dissolved Fe, Mn) Pb, Cu
Other Metals: Total 23 TAL 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)

8260B
Volatile Organic Analysis

Initial Calibration

IS/SS ID= V-3656 (refilled IS/SS)

Standard ID= V- 3661 A

Analyst: WJP

Gas Standard ID= V- 3662

LCS/LCSD and/or MS/MSD Standard ID= V- 3661 (L) V-3653(G)

Date: 7/

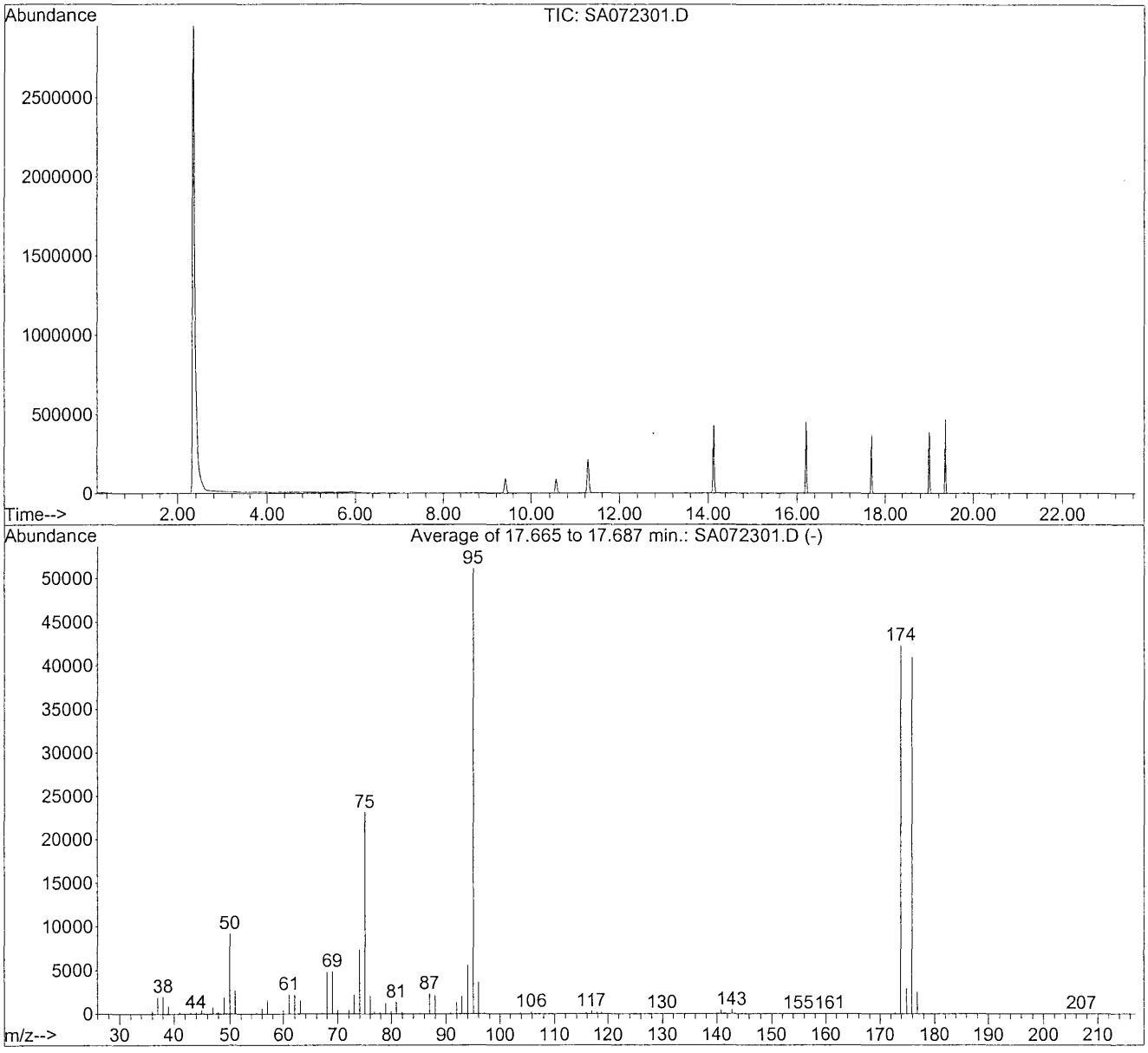
ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Metn	Anal Metn	Comments	pH<2	A
1	SA072301	BFB					VOCMS	4VID0723	Autofnd BFB		
2	02	BFB 25ng					VOCMS	4VID0723	~~FB: 314227~~ Autofnd BFB		
3	03	0.2 (G) & 0.25 (L)					VOCMS	4VID0723 & 4LID0723	FB: 314227		
4	04	0.5 STD					VOCMS		FB 315761		
5	05	1 STD					VOCMS		FB 311532		
6	06	100 M					VOCMS		FB 332624		
7	07	50 G					VOCMS		FB 329835		
8	08	100 G					VOCMS		FB 331781		
9	09	2 STD					VOCMS		FB 328012		
10	10	5 STD					VOCMS		FB 330299		
11	11	10 STD					VOCMS		FB 334613		
12	12	20 STD					VOCMS		FB 335008		
13	13	200 G					VOCMS	4VID0723	FB 339708		
14	14	50 M					VOCMS	4VID0723 & 4LID0723	FB 340281		
15	15	300 G					VOCMS	4VID0723	FB 348523		
16	16	200 M 2 STD					VOCMS		FB 330990		
17	17	~~Blank 200M~~ 1STD					VOCMS		FB 330004		
18	18	~~LCS 20"G" Blank~~ 200M					VOCMS		FB		
19	19	Blank ~~LCS 20"G"~~ LCSB					VOCMS		LCSG:		
20	20	~~300M LCSG~~ Blank					VOCMS		FB		
21	21	Blank 300					VOCMS		FB 337792 (7:20)		
22	22	Blank					VOCMS				
23	23	Blank					VOCMS				
24	24	~~LCS 20 "L"~~ B					VOCMS		preserved		
25	25	Blank LCS					VOCMS				
26	26	Blank					VOCMS				
27	27	Blank					VOCMS				
28	28	Blank					VOCMS				
29	29						VOCMS				
30	30						VOCMS				
31	31						VOCMS				
32	32						VOCMS				
~~33~~							~~VOCMS~~				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				

COPY

7/23/10

Samples removed from autosampler, order and pH verified by _____

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072301.D Vial: 1
Acq On : 23 Jul 2010 7:33 am Operator: KJP
Sample : BFB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane



Spectrum Information: Average of 17.665 to 17.687 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	9215	PASS
75	95	30	60	45.2	23143	PASS
95	95	100	100	100.0	51157	PASS
96	95	5	9	7.1	3614	PASS
173	174	0.00	2	0.5	202	PASS
174	95	50	100	82.8	42333	PASS
175	174	5	9	6.9	2916	PASS
176	174	95	101	96.8	40994	PASS
177	176	5	9	6.2	2531	PASS

Response Factor Report VOAMS4

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration

Calibration Files
1 =SA072305.D 10 =SA072311.D 20 =SA072312.D
50 =SA072314.D 100 =SA072306.D 200 =SA072318.D

		Compound	1	10	20	50	100	200	Avg	%RSD
1)	I	Fluorobenzene IS	----------ISTD----------							
2)		dichlorodifluorom		0.290	0.282				0.293	7.45
3)	P	chloromethane		0.271	0.268				0.267	3.27
4)	C	vinyl chloride		0.184	0.148				0.182	13.50#
5)		bromomethane		0.148	0.144				0.144	6.88
6)		chloroethane		0.154	0.151				0.151	6.30
7)		trichlorofluorome		0.345	0.336				0.344	8.41
8)		diethyl ether	0.151	0.143	0.150	0.151	0.154	0.147	0.146	5.42
9)		1,1,2-Trichlorotr	0.117	0.111	0.103	0.119	0.120	0.118	0.111	8.36
10)		acrolein		0.029	0.031				0.032	9.17
11)		acetone		0.075	0.062	0.075	0.058	0.055	0.063	12.98
12)	MC	1,1-dichloroethen	0.195	0.184	0.170	0.195	0.201	0.191	0.177	12.48
13)		tert-Butyl Alcoho		0.015	0.015	0.014	0.014	0.016	0.015	9.86
14)		iodomethane							0.000	-1.00
15)		methylene chlorid	0.259	0.224	0.224	0.226	0.227	0.210	0.224	6.81
16)		carbon disulfide	0.571	0.584	0.584	0.668	0.688	0.597	0.580	11.66
17)		acrylonitrile		0.090	0.090	0.087	0.088	0.078	0.085	6.03
18)		Methyl-t-butyl et	0.503	0.491	0.503	0.496	0.504	0.476	0.480	6.49
19)		trans-1,2-dichlor	0.265	0.250	0.246	0.269	0.243	0.268	0.240	12.18
20)		hexane		0.054	0.051	0.065	0.066	0.068	0.059	13.90
21)		Isopropyl ether (	0.717	0.787	0.822	0.866	0.881	0.840	0.787	10.09
22)		vinyl acetate		0.369	0.415				0.444	11.66
23)	P	1,1-dichloroethan	0.513	0.480	0.478	0.513	0.520	0.506	0.478	9.31
24)		Ethyl-t-butyl eth		0.615	0.663	0.694	0.714	0.716	0.652	11.48
25)		2,2-dichloropropa	0.266	0.269	0.273	0.322	0.329	0.347	0.287	16.45
26)		cis-1,2-dichloroe	0.266	0.277	0.286	0.298	0.301	0.290	0.277	7.30
27)		2-butanone (MEK)		0.106	0.103	0.113	0.106	0.110	0.106	8.60
28)		bromochloromethan	0.135	0.133	0.138	0.140	0.143	0.140	0.135	5.01
29)		Tetrahydrofuran (		0.055	0.059	0.062	0.064	0.067	0.060	15.05
30)	C	chloroform	0.515	0.466	0.466	0.484	0.486	0.471	0.467	6.04#
31)	S	SS dibromofluorom	0.272	0.264	0.262	0.266	0.260	0.261	0.263	2.08
32)		1,1,1-trichloroet	0.334	0.336	0.333	0.376	0.391	0.391	0.350	11.21
33)		carbon tetrachlor	0.246	0.255	0.255	0.309	0.327	0.334	0.275	18.97
34)		1,1-dichloroprope	0.276	0.294	0.300	0.352	0.362	0.354	0.315	14.56
35)	S	SS 1,2-DCA-d4_MS	0.323	0.318	0.316	0.311	0.307	0.301	0.314	1.93
36)		tert-amyl methyl		0.467	0.498	0.528	0.549	0.563	0.500	14.04
37)	M	benzene	1.002	1.015	1.014	1.064	1.045	0.943	0.958	10.11
38)		1,2-dichloroethan	0.399	0.388	0.388	0.384	0.384	0.357	0.377	5.42
39)	M	trichloroethene	0.259	0.247	0.250	0.277	0.283	0.271	0.254	9.13
40)	C	1,2-dichloropropa	0.289	0.283	0.289	0.299	0.302	0.283	0.280	6.26#
41)		1,4-dioxane		0.002	0.002	0.002	0.002	0.002	0.002	16.64
42)		dibromomethane	0.189	0.178	0.179	0.180	0.180	0.171	0.172	8.26
43)		bromodichlorometh	0.300	0.321	0.340	0.364	0.375	0.360	0.319	15.63
44)		2-Chloroethoxyeth		0.136	0.155				0.146	22.20
45)		4-methyl-2-pentan		0.079	0.086	0.085	0.088	0.092	0.084	13.09
46)		cis-1,3-dichlorop		0.356	0.396	0.427	0.439	0.417	0.378	14.68
47)	I	Chlorobenzene-D5 IS	----------ISTD----------							
48)	S	SS toluene-d8_MS	1.316	1.329	1.306	1.292	1.312	1.306	1.307	1.14
49)	MC	toluene	1.348	1.384	1.370	1.402	1.395	1.242	1.272	11.02
50)		trans-1,3-dichlor		0.437	0.472	0.509	0.540	0.529	0.455	17.78
51)		1,1,2-trichloroet	0.292	0.278	0.279	0.275	0.281	0.260	0.272	6.01
52)		2-hexanone		0.195	0.200	0.221	0.211	0.207	0.198	13.26
53)		tetrachloroethene	0.300	0.298	0.281	0.308	0.316	0.300	0.285	7.69
54)		1,3-dichloropropa	0.499	0.552	0.544	0.532	0.550	0.509	0.517	6.13
55)		dibromochlorometh		0.297	0.322	0.345	0.368	0.361	0.316	15.30
56)		1,2-dibromoethane	0.269	0.314	0.322	0.323	0.331	0.319	0.306	7.33
57)	MP	chlorobenzene	0.983	0.921	0.904	0.925	0.921	0.808	0.876	9.43
58)		1,1,1,2-tetrachlo	0.253	0.292	0.304	0.320	0.320	0.287	0.281	10.45
59)	C	ethylbenzene	1.227	1.381	1.349	1.404	1.339	1.106	1.233	13.05#
60)		mp-xylene	0.438	0.507	0.500	0.510	0.491	0.406	0.451	14.82

61)		o-xylene	0.393	0.503	0.507	0.524	0.529	0.477	0.466	11.40
62)		styrene	0.710	0.952	0.953	0.964	0.939	0.837	0.855	11.85
63)	P	bromoform	0.135	0.180	0.196	0.216	0.237	0.237	0.190	22.53
64)		iso-propylbenzene	0.751	0.920	0.912	0.992	1.011	0.909	0.873	12.64
65)	S	SS 4-BFB_MS	0.490	0.516	0.500	0.504	0.509	0.514	0.494	3.13
66)	I	1,4-Dichlorobenzene-D	----------	----------	----------	ISTD	----------	----------	----------	
67)		bromobenzene	0.834	0.853	0.850	0.869	0.839	0.780	0.813	6.48
68)	P	1,1,2,2-tetrachlo	0.891	0.926	0.923	0.919	0.912	0.879	0.896	3.65
69)		1,2,3-trichloropr	0.267	0.255	0.252	0.246	0.249	0.245	0.246	5.08
70)		t-1,4-dichloro-2-							0.000	-1.00
71)		n-propylbenzene	2.562	2.785	2.688	2.984	2.896	2.553	2.595	10.52
72)		2-chlorotoluene	2.079	2.246	2.166	2.287	2.225	2.141	2.112	6.85
73)		4-chlorotoluene	2.075	2.150	2.104	2.228	2.154	1.791	1.993	10.51
74)		1,3,5-trimethylbe	1.433	1.877	1.824	1.984	1.972	1.814	1.728	12.08
75)		tert-butylbenzene	1.284	1.476	1.491	1.665	1.645	1.527	1.429	12.03
76)		1,2,4-trimethylbe	1.626	2.028	2.007	2.123	2.060	1.892	1.866	10.61
77)		sec-butylbenzene	1.744	2.027	1.968	2.198	2.139	1.976	1.897	11.05
78)		1,3-dichlorobenze	1.257	1.276	1.245	1.293	1.271	1.152	1.214	7.58
79)		p-isopropyltoluen	1.344	1.704	1.678	1.910	1.858	1.702	1.597	13.91
80)		1,4-dichlorobenze	1.427	1.340	1.300	1.327	1.303	1.164	1.271	10.20
81)		1,2-dichlorobenze	1.362	1.308	1.278	1.299	1.263	1.142	1.245	9.32
82)		n-butylbenzene	1.346	1.626	1.561	1.768	1.695	1.549	1.496	12.28
83)	S	SS 1,2-DCB-D4_MS	0.945	0.929	0.939	0.928	0.919	0.919	0.937	1.50
84)		1,2-dibromo-3-chl	0.082	0.109	0.121	0.135	0.143	0.149	0.121	22.63
85)		1,3,5-trichlorobe	0.691	0.760	0.723	0.781	0.784	0.725	0.718	7.45
86)		1,2,4-trichlorobe	0.545	0.624	0.629	0.683	0.683	0.650	0.611	9.22
87)		hexachlorobutadie	0.367	0.349	0.325	0.363	0.358	0.347	0.347	14.19
88)		naphthaleneV		1.316	1.445	1.525	1.555	1.509	1.369	15.32
89)		1,2,3-trichlorobe	0.474	0.530	0.551	0.567	0.572	0.559	0.529	7.02
90)	S	SS 2,5-DBT_MS		0.133	0.147	0.162	0.174	0.182	0.165	17.72

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

4VID0723.M Tue Aug 31 15:19:18 2010

Compound List Report VOAMS4

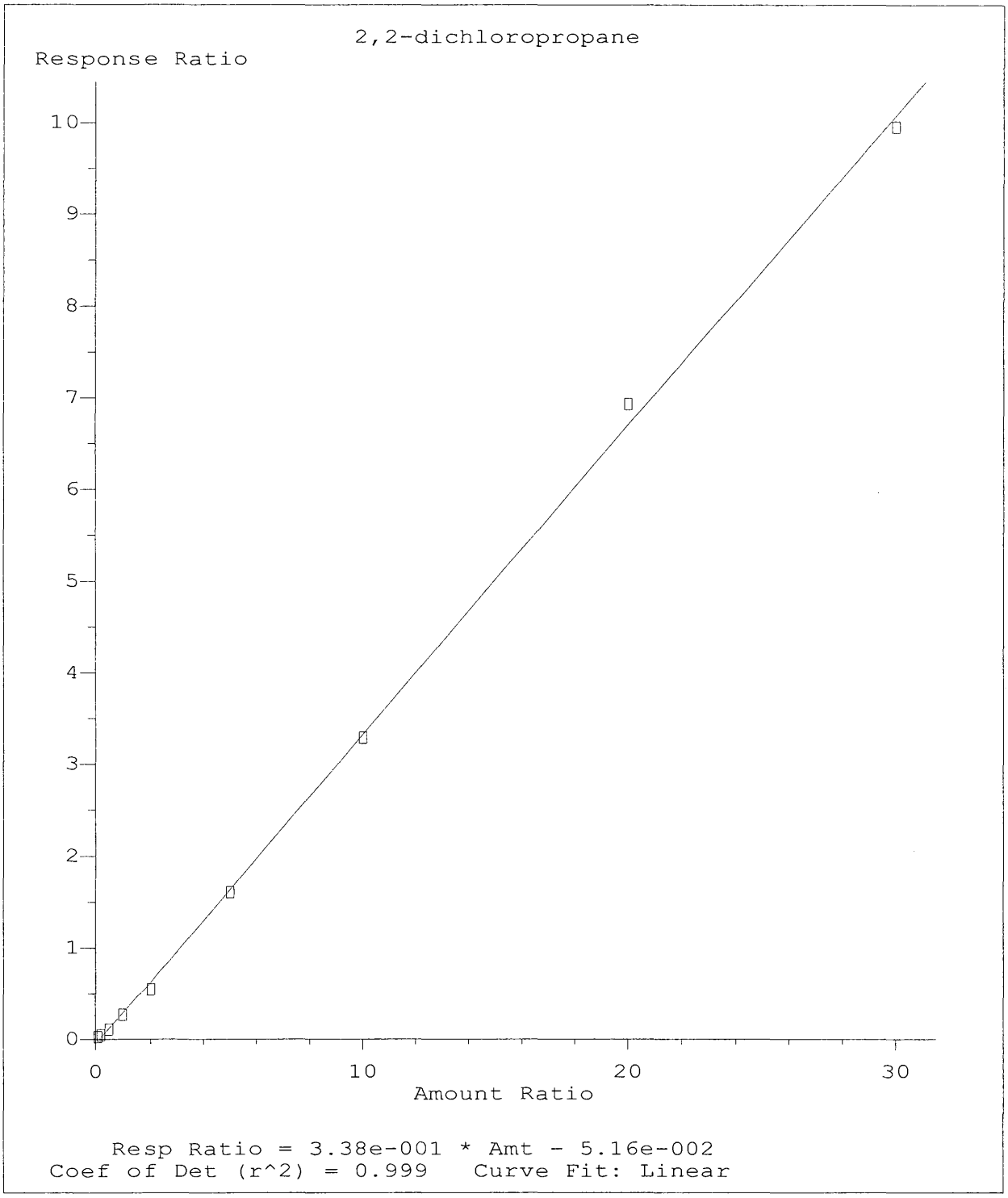
Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
Total Cpnds : 90

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene IS	96	11.28	1.000	A	2	A	B
2		dichlorodifluoromethane	85	2.56	0.227	A	2	A	B
3	P	chloromethane	50	2.87	0.254	A	1	A	B
4	C	vinyl chloride	62	2.99	0.265	A	1	A	B
5		bromomethane	94	3.58	0.317	A	1	A	B
6		chloroethane	64	3.67	0.325	A	2	A	B
7		trichlorofluoromethane	101	4.02	0.356	A	1	A	B
8		diethyl ether	59	4.47	0.396	A	2	A	B
9		1,1,2-Trichlorotrifluoroethane	101	4.69	0.416	A	2	A	B
10		acrolein	56	4.68	0.415	A	1	A	B
11		acetone	43	4.79	0.424	A	1	A	B
12	MC	1,1-dichloroethene	96	5.00	0.443	A	2	A	B
13		tert-Butyl Alcohol (TBA)	59	5.15	0.457	A	1	A	B
14		iodomethane	142	5.56	0.493	A	2	A	B
15		methylene chloride	84	5.89	0.522	A	1	A	B
16		carbon disulfide	76	5.91	0.523	A	1	A	B
17		acrylonitrile	53	6.14	0.545	A	2	A	B
18		Methyl-t-butyl ether (MTBE)	73	6.18	0.548	A	3	A	B
19		trans-1,2-dichloroethene	96	6.45	0.572	A	2	A	B
20		hexane	57	6.58	0.583	A	3	A	B
21		Isopropyl ether (DIPE)	45	7.10	0.630	A	2	A	B
22		vinyl acetate	43	7.34	0.651	A	1	A	B
23	P	1,1-dichloroethane	63	7.32	0.649	A	1	A	B
24		Ethyl-t-butyl ether (ETBE)	59	7.96	0.706	A	2	A	B
25		2,2-dichloropropane	77	8.50	0.753	L	1	A	B
26		cis-1,2-dichloroethene	96	8.60	0.762	A	2	A	B
27		2-butanone (MEK)	43	8.23	0.730	A	2	A	B
28		bromochloromethane	128	9.29	0.824	A	2	A	B
29		Tetrahydrofuran (THF)	42	9.38	0.831	A	2	A	B
30	C	chloroform	83	8.94	0.792	A	2	A	B
31	S	SS dibromofluoromethane_MS	111	9.42	0.835	A	3	A	B
32		1,1,1-trichloroethane	97	9.81	0.869	A	2	A	B
33		carbon tetrachloride	117	10.38	0.920	L	2	A	B
34		1,1-dichloropropene	75	10.17	0.902	A	2	A	B
35	S	SS 1,2-DCA-d4_MS	65	10.55	0.935	A	2	A	B
36		tert-amyl methyl ether (TAME)	73	10.46	0.927	A	2	A	B
37	M	benzene	78	10.78	0.955	A	1	A	B
38		1,2-dichloroethane	62	10.77	0.954	A	2	A	B
39	M	trichloroethene	95	12.09	1.072	A	2	A	B
40	C	1,2-dichloropropane	63	12.44	1.102	A	2	A	B
41		1,4-dioxane	88	12.93	1.146	A	2	A	B
42		dibromomethane	93	12.94	1.147	A	2	A	B
43		bromodichloromethane	83	12.85	1.139	L	2	A	B
44		2-Chloroethoxyethene	63	13.40	1.188	L	2	A	B
45		4-methyl-2-pentanone (MIBK)	58	13.45	1.192	A	3	A	B
46		cis-1,3-dichloropropene	75	13.76	1.220	A	2	A	B
47	I	Chlorobenzene-D5 IS	117	16.20	1.000	A	2	A	B
48	S	SS toluene-d8_MS	98	14.13	0.872	A	2	A	B
49	MC	toluene	91	14.24	0.879	A	1	A	B
50		trans-1,3-dichloropropene	75	14.52	0.896	L	2	A	B
51		1,1,2-trichloroethane	83	14.74	0.910	A	2	A	B
52		2-hexanone	43	14.76	0.911	A	2	A	B
53		tetrachloroethene	166	15.16	0.936	A	2	A	B
54		1,3-dichloropropane	76	15.10	0.932	A	2	A	B
55		dibromochloromethane	129	15.45	0.953	A	1	A	B
56		1,2-dibromoethane	107	15.72	0.970	A	1	A	B
57	MP	chlorobenzene	112	16.26	1.004	A	2	A	B
58		1,1,1,2-tetrachloroethane	131	16.31	1.006	A	2	A	B
59	C	ethylbenzene	91	16.32	1.007	A	1	A	B
60		mp-xylene	106	16.41	1.013	A	1	A	B
61		o-xylene	106	16.95	1.046	A	1	A	B
62		styrene	104	16.99	1.049	A	2	A	B
63	P	bromoform	173	17.41	1.075	L	2	A	B
64		iso-propylbenzene	105	17.37	1.072	A	1	A	B

65	S	SS 4-BFB_MS	95	17.68	1.091	A	2	A	B
66	I	1,4-Dichlorobenzene-D4 IS	152	18.98	1.000	A	2	A	B
67		bromobenzene	156	17.90	0.943	A	2	A	B
68	P	1,1,2,2-tetrachloroethane	83	17.57	0.926	A	1	A	B
69		1,2,3-trichloropropane	110	17.74	0.935	A	1	A	B
70		t-1,4-dichloro-2-butene	53	17.81	0.938	A	3	A	B
71		n-propylbenzene	91	17.84	0.940	A	1	A	B
72		2-chlorotoluene	91	18.05	0.951	A	1	A	B
73		4-chlorotoluene	91	18.10	0.954	A	1	A	B
74		1,3,5-trimethylbenzene	105	18.01	0.949	A	1	A	B
75		tert-butylbenzene	119	18.42	0.970	A	1	A	B
76		1,2,4-trimethylbenzene	105	18.46	0.973	A	1	A	B
77		sec-butylbenzene	105	18.65	0.983	A	1	A	B
78		1,3-dichlorobenzeneV	146	18.91	0.996	A	2	A	B
79		p-isopropyltoluene	119	18.78	0.990	A	1	A	B
80		1,4-dichlorobenzeneV	146	19.01	1.002	A	2	A	B
81		1,2-dichlorobenzeneV	146	19.38	1.021	A	2	A	B
82		n-butylbenzene	91	19.19	1.011	A	1	A	B
83	S	SS 1,2-DCB-D4_MS	152	19.35	1.020	A	2	A	B
84		1,2-dibromo-3-chloropropane	75	20.10	1.059	L	2	A	B
85		1,3,5-trichlorobenzV	180	20.31	1.070	A	1	A	B
86		1,2,4-trichlorobenzV	180	20.96	1.105	A	2	A	B
87		hexachlorobutadieneV	225	21.09	1.111	A	2	A	B
88		naphthaleneV	128	21.26	1.120	A	1	A	B
89		1,2,3-trichlorobenzV	180	21.52	1.134	A	2	A	B
90	S	SS 2,5-DBT_MS	250	22.73	1.198	L	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

4VID0723.M Tue Aug 31 12:07:20 2010



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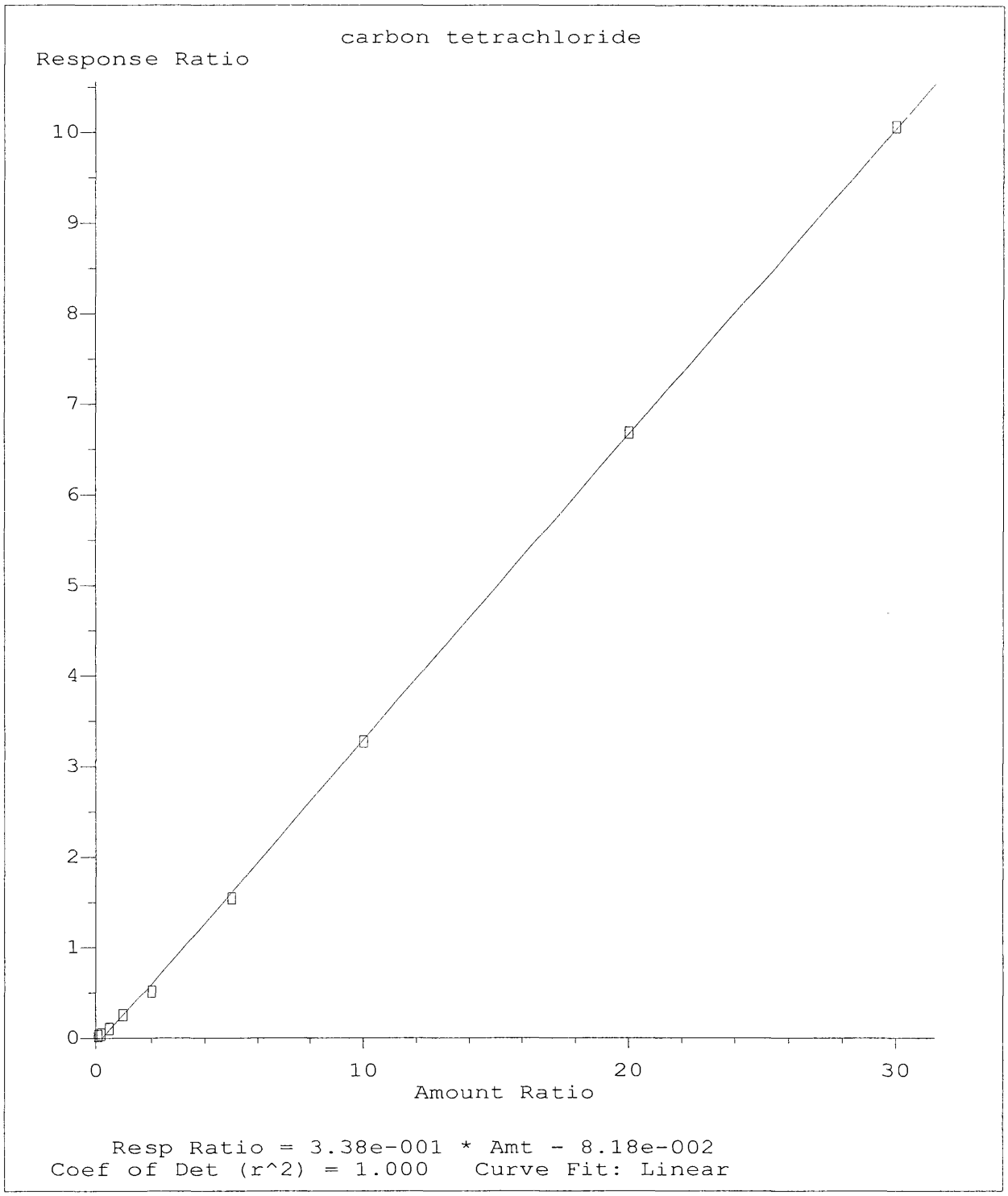
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



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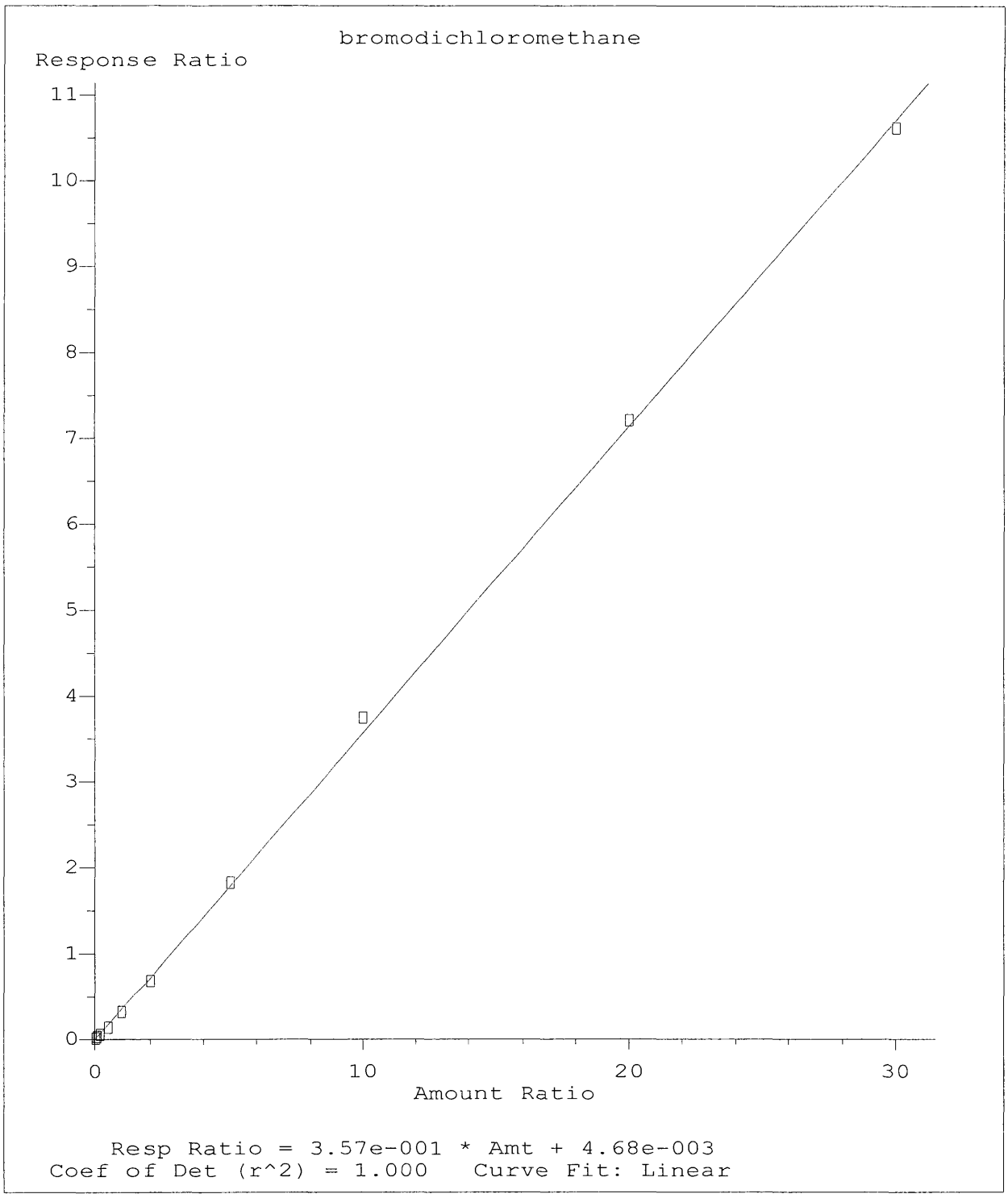
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



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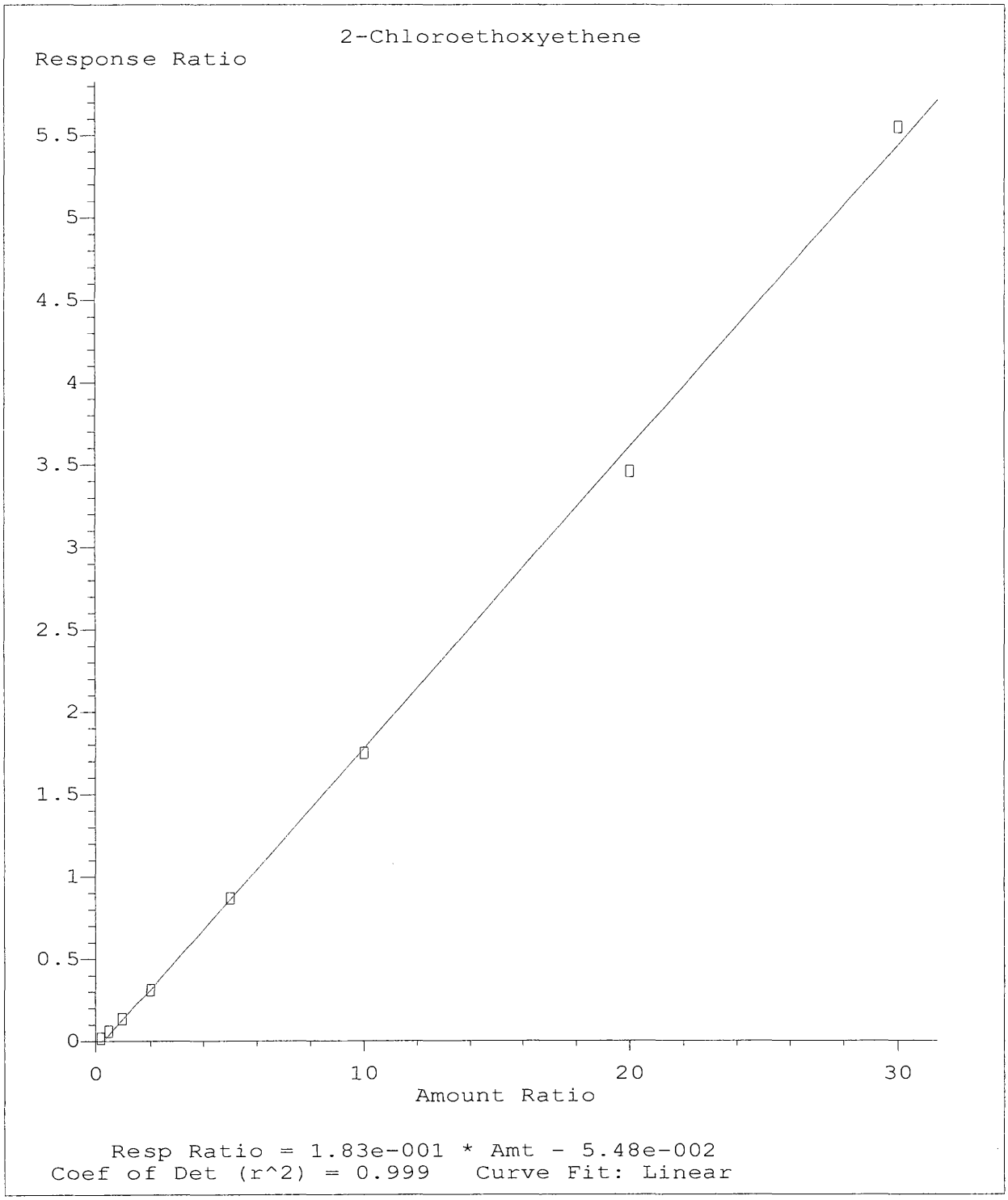
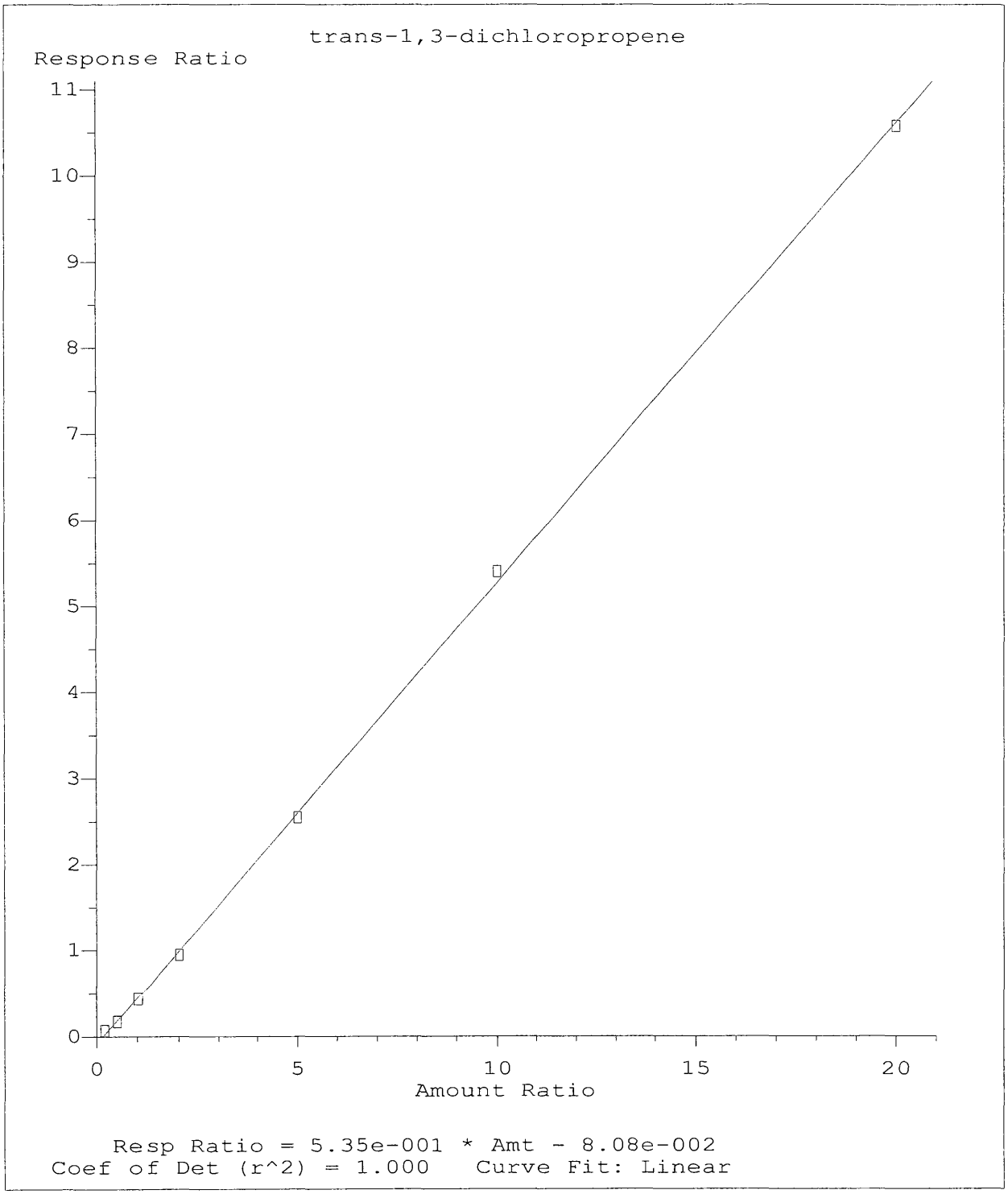


Method Name: T:\1\METHODS\2010\4VID0723.M
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



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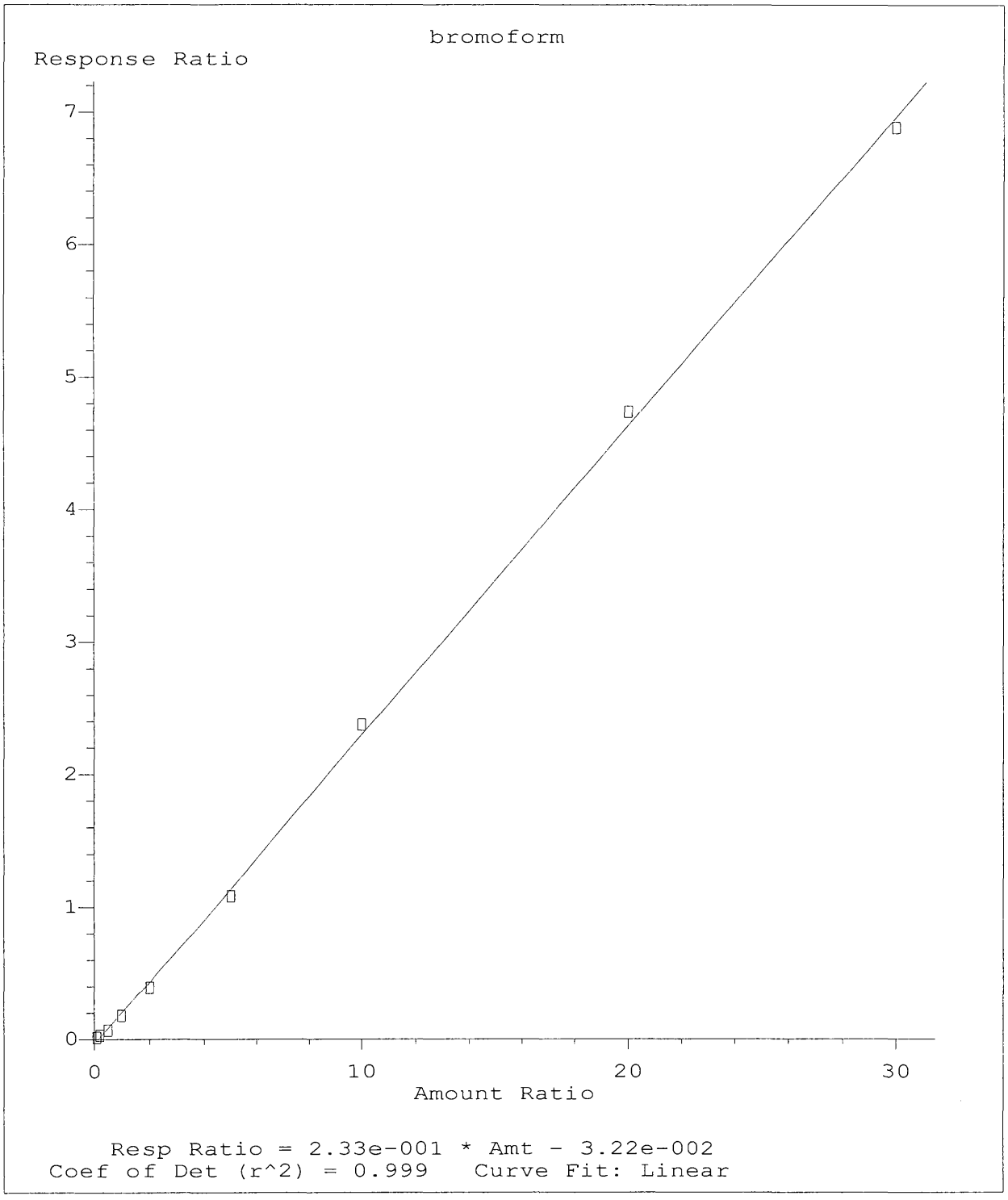
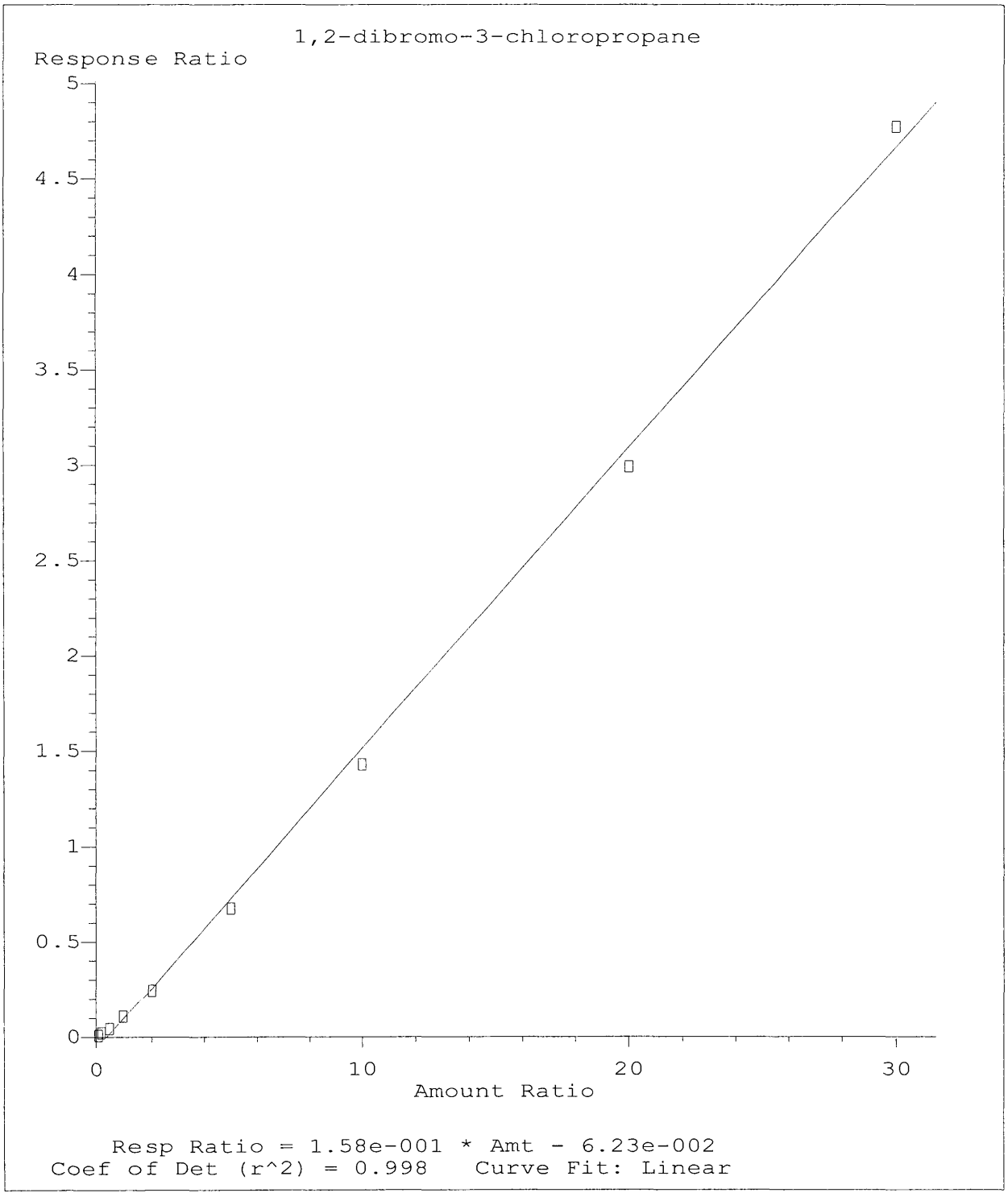
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



Method Name: T:\1\METHODS\2010\4VID0723.M
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



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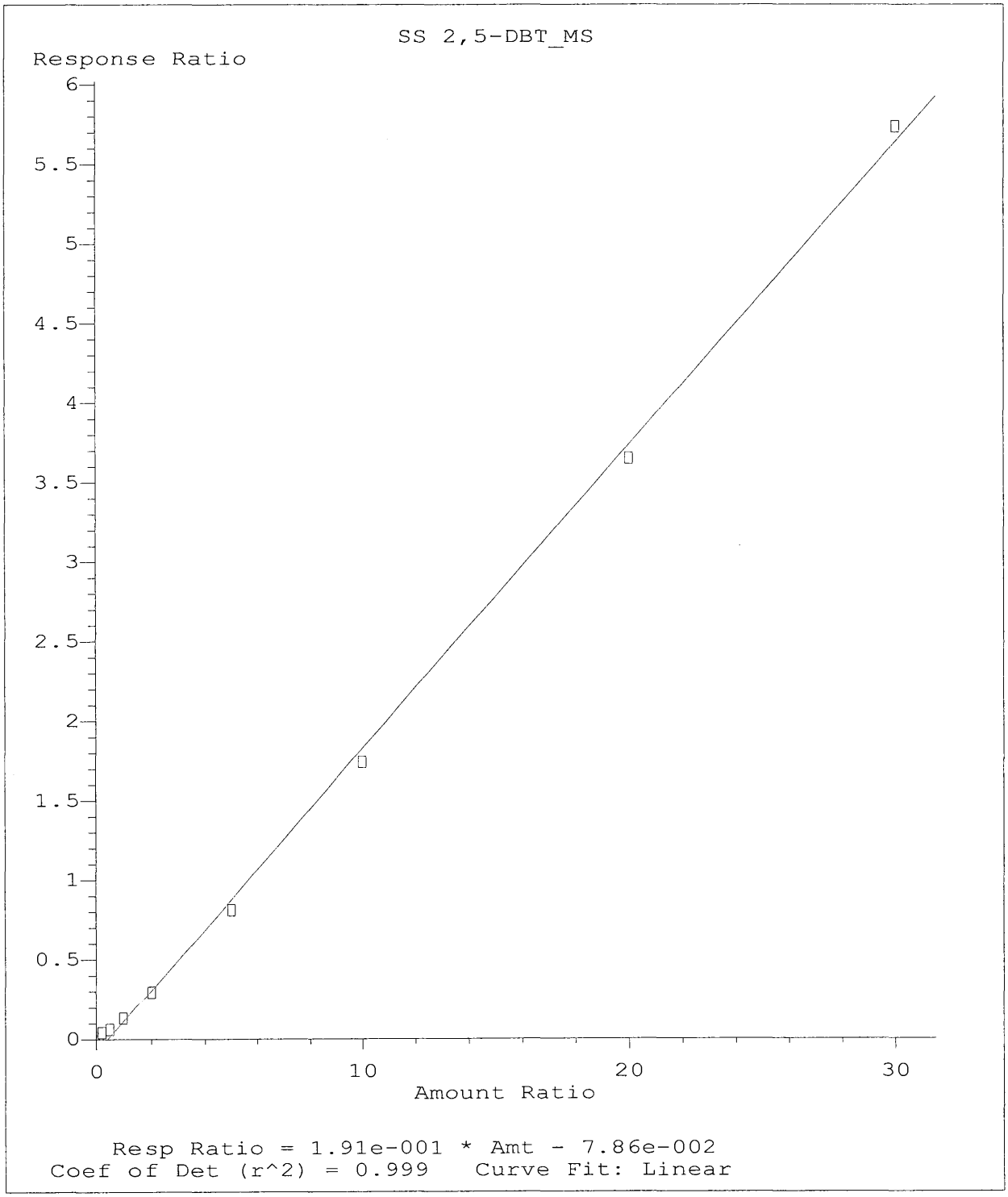
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



Method Name: T:\1\METHODS\2010\4VID0723.M
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072304.D Vial: 4
Acq On : 23 Jul 2010 9:21 am Operator: KJP
Sample : 0.5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 10:54:45 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:54:41 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

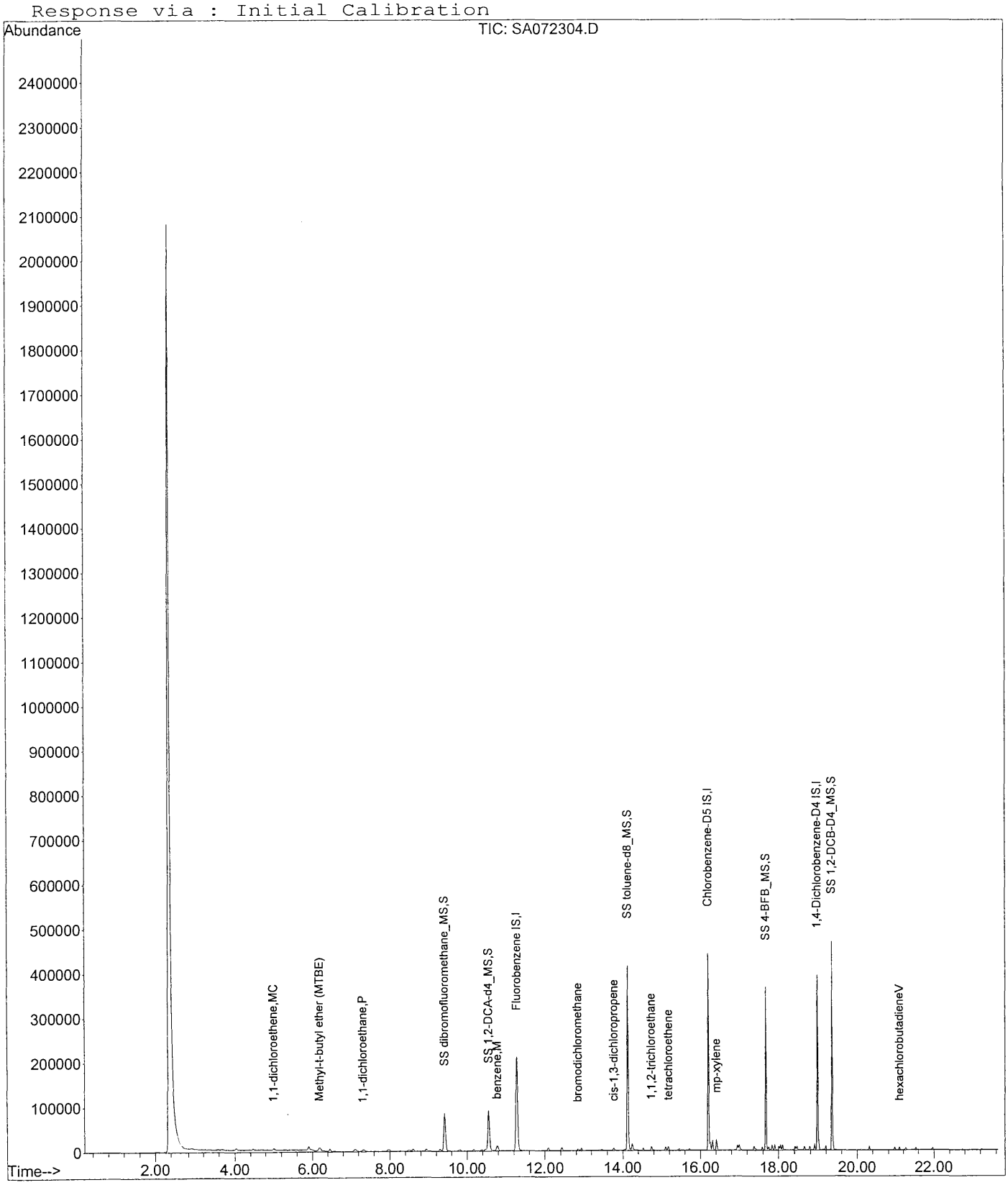
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	315761	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	236683	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	99440	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	83890	10.12	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.18%			
35) SS 1,2-DCA-d4_MS	10.55	65	101537	10.24	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.43%			
48) SS toluene-d8_MS	14.13	98	304521	9.84	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.44%			
65) SS 4-BFB_MS	17.68	95	111175	9.51	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.10%			
83) SS 1,2-DCB-D4_MS	19.35	152	95926	10.30	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.97%			
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
12) 1,1-dichloroethene	5.00	96	2111	0.378	ug/L	85
18) Methyl-t-butyl ether (MTBE	6.19	73	13079	0.862	ug/L #	86
23) 1,1-dichloroethane	7.32	63	5944	0.394	ug/L	95
37) benzene	10.77	78	11823	0.391	ug/L	99
43) bromodichloromethane	12.85	83	3476	0.177	ug/L	97
46) cis-1,3-dichloropropene	13.77	75	3517	0.295	ug/L #	93
50) trans-1,3-dichloropropene	14.52	75	2831	Below Cal		99
51) 1,1,2-trichloroethane	14.74	83	2406	0.374	ug/L	82
53) tetrachloroethene	15.18	166	3011	0.446	ug/L	91
60) mp-xylene	16.41	106	7121	0.667	ug/L	98
87) hexachlorobutadieneV	21.09	225	1409	0.409	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072304.D Vial: 4
Acq On : 23 Jul 2010 9:21 am Operator: KJP
Sample : 0.5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 14:51 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072305.D Vial: 5
Acq On : 23 Jul 2010 9:56 am Operator: KJP
Sample : 1 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 14:53:34 2010 Quant Results File: 4VID0723.RES

Quant Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 14:45:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	311532	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	235130	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	100901	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	84590	10.34	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.41%			
35) SS 1,2-DCA-d4_MS	10.55	65	100470	10.27	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.73%			
48) SS toluene-d8_MS	14.13	98	309415	10.07	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.68%			
65) SS 4-BFB_MS	17.68	95	115213	9.92	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.21%			
83) SS 1,2-DCB-D4_MS	19.35	152	95390	10.09	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.91%			
90) SS 2,5-DBT_MS	22.73	250	1095	4.69	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 11.73%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	8693	0.953	ug/L	97
3) chloromethane	2.88	50	7986	0.961	ug/L	99
4) vinyl chloride	2.99	62	6594	1.165	ug/L	89
6) chloroethane	3.68	64	4427	0.942	ug/L #	94
7) trichlorofluoromethane	4.02	101	9574	0.893	ug/L	100
8) diethyl ether	4.48	59	4703	1.033	ug/L #	62
9) 1,1,2-Trichlorotrifluoroet	4.69	101	3648	1.055	ug/L	93
10) acrolein	4.68	56	723	0.730	ug/L	94
11) acetone	4.80	43	4074	2.057	ug/L #	80
12) 1,1-dichloroethene	5.00	96	6068	1.101	ug/L	96
15) methylene chloride	5.89	84	8080	1.160	ug/L	98
16) carbon disulfide	5.90	76	17804	0.985	ug/L #	98
18) Methyl-t-butyl ether (MTBE	6.19	73	31351	2.095	ug/L #	93
19) trans-1,2-dichloroethene	6.45	96	8271	1.107	ug/L	97
20) hexane	6.57	57	1766	0.962	ug/L	90
21) Isopropyl ether (DIPE)	7.10	45	22350	0.912	ug/L	95
23) 1,1-dichloroethane	7.32	63	15978	1.073	ug/L	98
25) 2,2-dichloropropane	8.50	77	8302	2.316	ug/L	94
26) cis-1,2-dichloroethene	8.60	96	8301	0.962	ug/L	97
28) bromochloromethane	9.30	128	4195	0.994	ug/L	96
30) chloroform	8.94	83	16041	1.102	ug/L	98
32) 1,1,1-trichloroethane	9.82	97	10407	0.953	ug/L	99
33) carbon tetrachloride	10.38	117	7652	3.150	ug/L	99
34) 1,1-dichloropropene	10.16	75	8609	0.879	ug/L	96
37) benzene	10.78	78	31218	1.046	ug/L	99
38) 1,2-dichloroethane	10.77	62	12429	1.058	ug/L	99
39) trichloroethene	12.08	95	8071	1.020	ug/L	99
40) 1,2-dichloropropane	12.44	63	9016	1.032	ug/L	92
42) dibromomethane	12.93	93	5886	1.098	ug/L	93
43) bromodichloromethane	12.85	83	9352	0.710	ug/L	97
49) toluene	14.24	91	31695	1.060	ug/L	98
51) 1,1,2-trichloroethane	14.74	83	6864	1.075	ug/L	93
53) tetrachloroethene	15.16	166	7047	1.050	ug/L	95
54) 1,3-dichloropropane	15.10	76	11742	0.967	ug/L	99
56) 1,2-dibromoethane	15.72	107	6329	0.880	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072305.D Vial: 5
Acq On : 23 Jul 2010 9:56 am Operator: KJP
Sample : 1 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 14:53:34 2010 Quant Results File: 4VID0723.RES

Quant Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 14:45:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

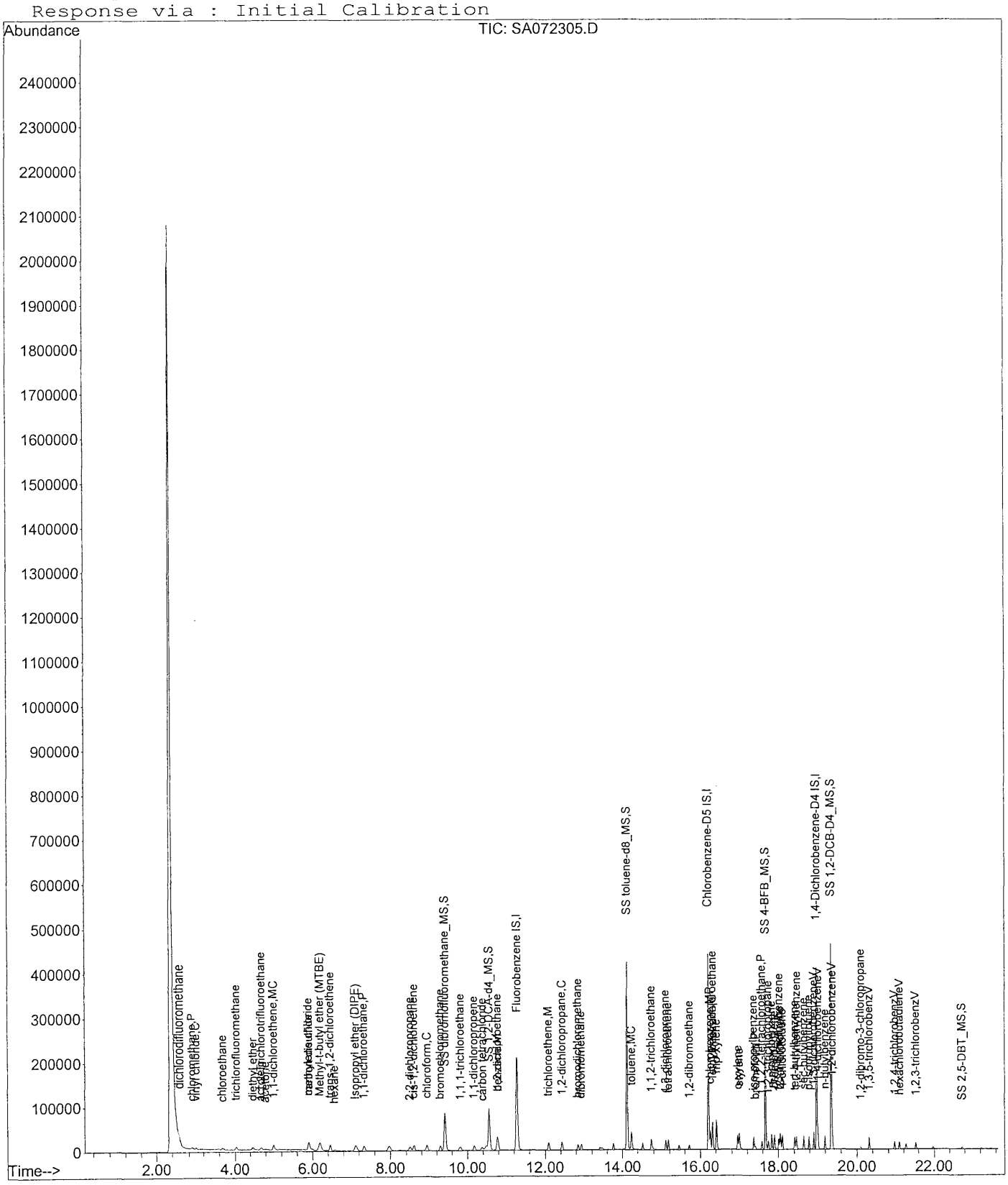
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
57)	chlorobenzene	16.25	112	23102	1.121 ug/L	#	92
58)	1,1,1,2-tetrachloroethane	16.31	131	5953	0.899 ug/L		96
59)	ethylbenzene	16.32	91	28856	0.995 ug/L		96
60)	mp-xylene	16.41	106	20616	1.943 ug/L		99
61)	o-xylene	16.96	106	9230	0.843 ug/L		94
62)	styrene	16.99	104	16705	0.831 ug/L		97
63)	bromoform	17.41	173	3185	1.960 ug/L	#	95
64)	iso-propylbenzene	17.37	105	17655	0.860 ug/L		100
67)	bromobenzene	17.90	156	8411	1.025 ug/L		94
68)	1,1,2,2-tetrachloroethane	17.57	83	8991	0.995 ug/L		97
69)	1,2,3-trichloropropane	17.74	110	2699	1.085 ug/L		92
71)	n-propylbenzene	17.84	91	25847	0.987 ug/L		99
72)	2-chlorotoluene	18.05	91	20981	0.984 ug/L		100
73)	4-chlorotoluene	18.10	91	20936	1.041 ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	14457	0.829 ug/L		99
75)	tert-butylbenzene	18.42	119	12960m	0.899 ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	16404	0.871 ug/L		94
77)	sec-butylbenzene	18.65	105	17599	0.919 ug/L		96
78)	1,3-dichlorobenzeneV	18.91	146	12681	1.036 ug/L		96
79)	p-isopropyltoluene	18.78	119	13560	0.842 ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	14402	1.123 ug/L	#	68
81)	1,2-dichlorobenzeneV	19.38	146	13738	1.094 ug/L	#	35
82)	n-butylbenzene	19.19	91	13577	0.900 ug/L		100
84)	1,2-dibromo-3-chloropropan	20.10	75	829	4.471 ug/L		92
85)	1,3,5-trichlorobenzV	20.31	180	6977	0.963 ug/L		100
86)	1,2,4-trichlorobenzV	20.96	180	5503	0.892 ug/L		97
87)	hexachlorobutadieneV	21.09	225	3707	1.060 ug/L		97
89)	1,2,3-trichlorobenzV	21.52	180	4782	0.896 ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072305.D Vial: 5
Acq On : 23 Jul 2010 9:56 am Operator: KJP
Sample : 1 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:00 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072316.D Vial: 16
Acq On : 23 Jul 2010 4:54 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:04:10 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	330990	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	244237	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	107555	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	86313	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.46%			
35) SS 1,2-DCA-d4_MS	10.55	65	103336	9.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.10%			
48) SS toluene-d8_MS	14.13	98	321380	10.09	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.88%			
65) SS 4-BFB_MS	17.68	95	122131	10.18	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.82%			
83) SS 1,2-DCB-D4_MS	19.35	152	99187	9.81	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.13%			
90) SS 2,5-DBT_MS	22.73	250	4488	3.15	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 7.87%#			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	9659	2.068	ug/L #	86
9) 1,1,2-Trichlorotrifluoroet	4.69	101	6331	1.766	ug/L	94
12) 1,1-dichloroethene	5.00	96	10382	1.834	ug/L	100
15) methylene chloride	5.89	84	14669	2.032	ug/L	95
16) carbon disulfide	5.90	76	32576	1.787	ug/L	100
18) Methyl-t-butyl ether (MTBE	6.19	73	66459	4.303	ug/L	98
19) trans-1,2-dichloroethene	6.45	96	14884	1.948	ug/L	98
20) hexane	6.59	57	3588	2.001	ug/L	94
21) Isopropyl ether (DIPE)	7.12	45	47579	1.970	ug/L	96
23) 1,1-dichloroethane	7.32	63	30704	2.006	ug/L	97
24) Ethyl-t-butyl ether (ETBE)	7.97	59	37173	1.960	ug/L	95
25) 2,2-dichloropropane	8.50	77	15257	1.803	ug/L	97
26) cis-1,2-dichloroethene	8.60	96	16952	1.969	ug/L	92
27) 2-butanone (MEK)	8.23	43	6472	2.042	ug/L #	92
28) bromochloromethane	9.30	128	8772	2.071	ug/L	99
29) Tetrahydrofuran (THF)	9.40	42	3812	2.237	ug/L	92
30) chloroform	8.94	83	29450	1.983	ug/L	97
32) 1,1,1-trichloroethane	9.81	97	20275	1.924	ug/L	97
33) carbon tetrachloride	10.38	117	13660	1.689	ug/L	99
36) tert-amyl methyl ether (TA	10.47	73	28693	2.036	ug/L	93
37) benzene	10.78	78	65354	2.084	ug/L	99
38) 1,2-dichloroethane	10.77	62	26303	2.180	ug/L	99
39) trichloroethene	12.09	95	14973	1.866	ug/L	96
40) 1,2-dichloropropane	12.44	63	17163	1.939	ug/L	92
42) dibromomethane	12.94	93	11889	2.132	ug/L	96
43) bromodichloromethane	12.85	83	18325	1.816	ug/L	97
46) cis-1,3-dichloropropene	13.76	75	19990	1.818	ug/L	99
49) toluene	14.24	91	63414	2.048	ug/L	100
50) trans-1,3-dichloropropene	14.52	75	17011	1.778	ug/L	97
51) 1,1,2-trichloroethane	14.74	83	13853	2.180	ug/L	95
53) tetrachloroethene	15.16	166	13196	1.928	ug/L	96
54) 1,3-dichloropropane	15.10	76	25392	2.103	ug/L	99
55) dibromochloromethane	15.45	129	12143	1.821	ug/L	98
56) 1,2-dibromoethane	15.72	107	14718	2.099	ug/L	100
57) chlorobenzene	16.26	112	43974	2.075	ug/L	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072316.D Vial: 16
Acq On : 23 Jul 2010 4:54 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:04:10 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

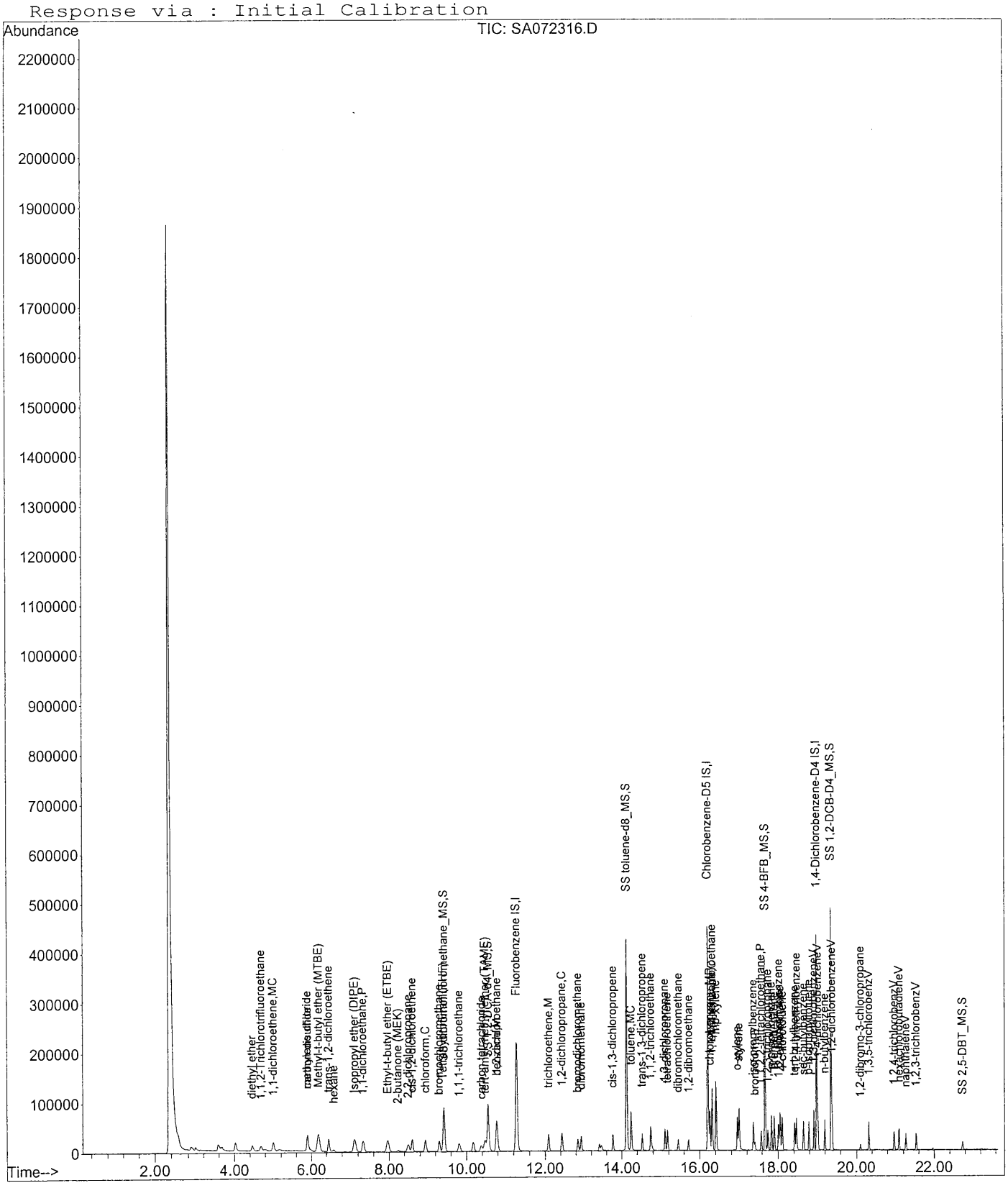
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
58)	1,1,1,2-tetrachloroethane	16.31	131	12370	1.910 ug/L	95
59)	ethylbenzene	16.32	91	60250	2.036 ug/L	100
60)	mp-xylene	16.41	106	45530	4.190 ug/L	99
61)	o-xylene	16.95	106	20737	1.954 ug/L	97
62)	styrene	16.99	104	39331	1.992 ug/L #	90
63)	bromoform	17.41	173	6982	1.747 ug/L #	97
64)	iso-propylbenzene	17.37	105	36693	1.868 ug/L	100
67)	bromobenzene	17.90	156	17633	2.077 ug/L	98
68)	1,1,2,2-tetrachloroethane	17.57	83	19774	2.147 ug/L	98
69)	1,2,3-trichloropropane	17.74	110	5271	2.025 ug/L	98
71)	n-propylbenzene	17.84	91	51653	1.914 ug/L	100
72)	2-chlorotoluene	18.05	91	44196	2.040 ug/L	100
73)	4-chlorotoluene	18.11	91	42589	2.025 ug/L	99
74)	1,3,5-trimethylbenzene	18.02	105	33633	1.949 ug/L	100
75)	tert-butylbenzene	18.42	119	26439	1.868 ug/L	100
76)	1,2,4-trimethylbenzene	18.46	105	36294	1.932 ug/L	100
77)	sec-butylbenzene	18.65	105	35394	1.852 ug/L	99
78)	1,3-dichlorobenzeneV	18.91	146	26993	2.129 ug/L	100
79)	p-isopropyltoluene	18.78	119	28876	1.815 ug/L	99
80)	1,4-dichlorobenzeneV	19.01	146	29646	2.183 ug/L #	70
81)	1,2-dichlorobenzeneV	19.38	146	28919	2.172 ug/L #	67
82)	n-butylbenzene	19.19	91	27786	1.825 ug/L	98
84)	1,2-dibromo-3-chloropropan	20.10	75	2297	2.103 ug/L #	87
85)	1,3,5-trichlorobenzV	20.31	180	15404	2.087 ug/L	98
86)	1,2,4-trichlorobenzV	20.96	180	12218	1.994 ug/L	97
87)	hexachlorobutadieneV	21.09	225	9939	2.742 ug/L	93
88)	naphthaleneV	21.26	128	23285	1.877 ug/L	100
89)	1,2,3-trichlorobenzV	21.52	180	10790	2.051 ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072316.D Vial: 16
Acq On : 23 Jul 2010 4:54 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:02 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072309.D Vial: 9
Acq On : 23 Jul 2010 12:32 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:03:25 2010 Quant Results File: 4VID0723.RES

Quant Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 14:45:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

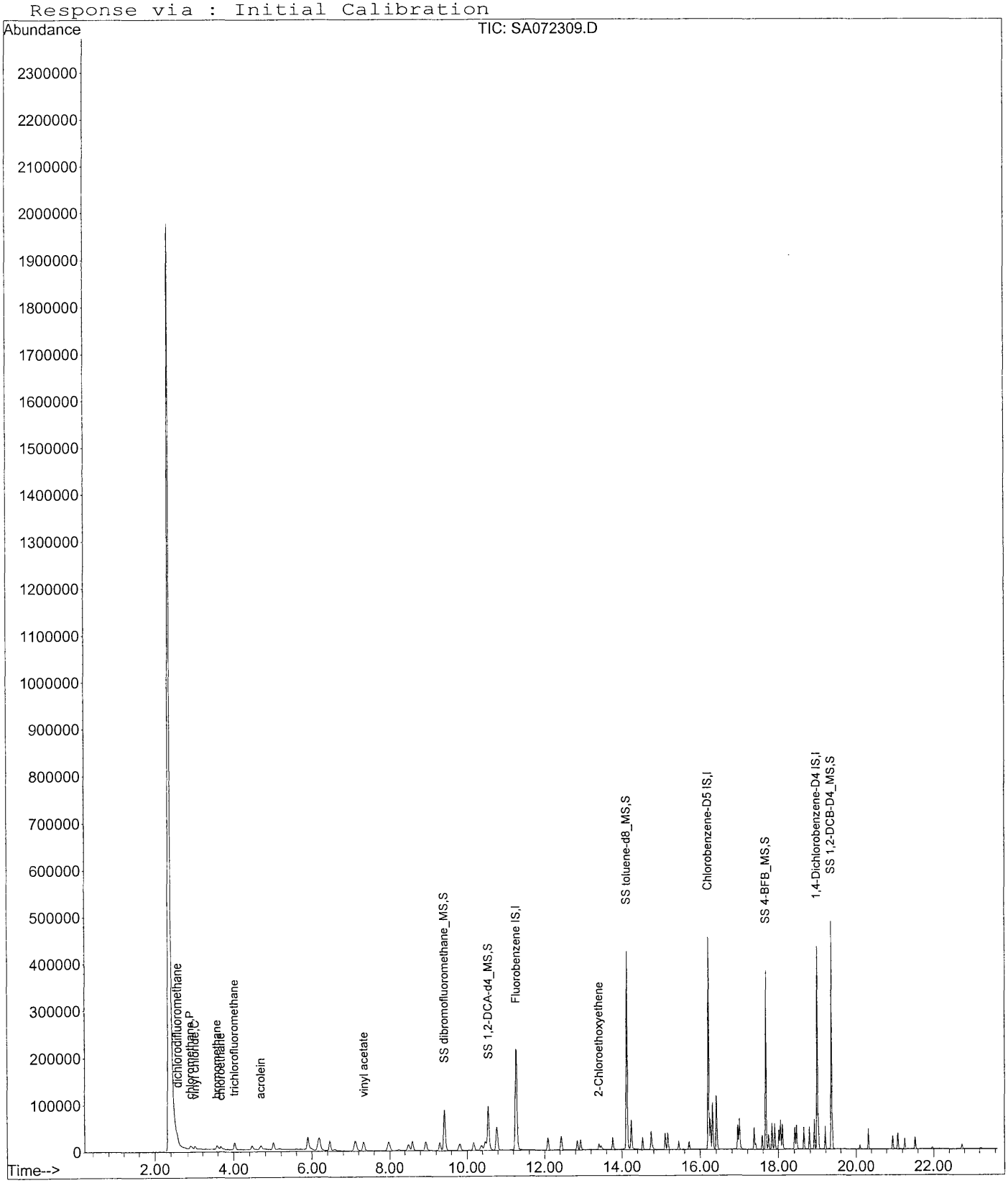
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	328012	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	244144	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	106307	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	84930	9.86	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.61%			
35) SS 1,2-DCA-d4_MS	10.55	65	103593	10.06	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.60%			
48) SS toluene-d8_MS	14.13	98	310159	9.72	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.20%			
65) SS 4-BFB_MS	17.68	95	116246	9.64	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.40%			
83) SS 1,2-DCB-D4_MS	19.35	152	98765	9.92	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.16%			
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	2.56	85	17379	1.810	ug/L	97
3) chloromethane	2.87	50	16700	1.909	ug/L	96
4) vinyl chloride	3.01	62	12863	2.158	ug/L	97
5) bromomethane	3.58	94	11276	2.391	ug/L	90
6) chloroethane	3.68	64	8863	1.790	ug/L	95
7) trichlorofluoromethane	4.02	101	20394	1.807	ug/L	100
10) acrolein	4.69	56	1872	1.794	ug/L	91
22) vinyl acetate	7.34	43	16778	1.152	ug/L	99
44) 2-Chloroethoxyethene	13.41	63	5884	2.385	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072309.D Vial: 9
Acq On : 23 Jul 2010 12:32 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:06 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072310.D Vial: 10
Acq On : 23 Jul 2010 1:17 pm Operator: KJP
Sample : 5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 13:55:00 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 13:01:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	330299	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.20	117	243078	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	106026	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	86313	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.52%			
35) SS 1,2-DCA-d4_MS	10.55	65	104232	10.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.12%			
48) SS toluene-d8_MS	14.13	98	315238	9.97	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.65%			
65) SS 4-BFB_MS	17.68	95	120359	10.26	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 102.59%			
83) SS 1,2-DCB-D4_MS	19.35	152	99900	9.99	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.93%			
90) SS 2,5-DBT_MS	22.74	250	6562	5.01	ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 12.53%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	45369	4.626	ug/L	98
3) chloromethane	2.87	50	43053	4.901	ug/L	100
4) vinyl chloride	2.99	62	32004	5.649	ug/L	97
5) bromomethane	3.58	94	23783	5.880	ug/L	95
6) chloroethane	3.67	64	24081	4.852	ug/L	96
7) trichlorofluoromethane	4.02	101	54227	4.761	ug/L	99
8) diethyl ether	4.47	59	21016	4.578	ug/L	91
9) 1,1,2-Trichlorotrifluoroet	4.69	101	16426	4.579	ug/L	97
10) acrolein	4.68	56	5141	5.292	ug/L	96
11) acetone	4.80	43	10252	4.808	ug/L	95
12) 1,1-dichloroethene	5.00	96	25553	4.664	ug/L	96
13) tert-Butyl Alcohol (TBA)	5.15	59	10528	27.196	ug/L	94
15) methylene chloride	5.89	84	35090	4.949	ug/L	95
16) carbon disulfide	5.90	76	80825	4.704	ug/L	100
17) acrylonitrile	6.14	53	13770	5.113	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	144307	9.683	ug/L #	97
19) trans-1,2-dichloroethene	6.45	96	30715	4.152	ug/L	99
20) hexane	6.57	57	7788	4.360	ug/L	92
21) Isopropyl ether (DIPE)	7.10	45	105798	4.705	ug/L	94
23) 1,1-dichloroethane	7.32	63	71530	4.825	ug/L	98
24) Ethyl-t-butyl ether (ETBE)	7.97	59	87553	5.094	ug/L	99
25) 2,2-dichloropropane	8.50	77	35477	4.445	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	39450	4.870	ug/L	99
27) 2-butanone (MEK)	8.23	43	14792	5.051	ug/L	95
28) bromochloromethane	9.30	128	19817	4.871	ug/L	97
29) Tetrahydrofuran (THF)	9.39	42	7121	4.473	ug/L #	88
30) chloroform	8.94	83	68194	4.691	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	47975	4.793	ug/L	99
33) carbon tetrachloride	10.37	117	34401	4.493	ug/L	99
34) 1,1-dichloropropene	10.17	75	38642	4.395	ug/L	98
36) tert-amyl methyl ether (TA	10.47	73	62656	4.943	ug/L	96
37) benzene	10.78	78	146359	4.925	ug/L	99
38) 1,2-dichloroethane	10.77	62	58370	5.036	ug/L	99
39) trichloroethene	12.08	95	35071	4.458	ug/L	99
40) 1,2-dichloropropane	12.44	63	41136	4.886	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072310.D Vial: 10
Acq On : 23 Jul 2010 1:17 pm Operator: KJP
Sample : 5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 13:55:00 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 13:01:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

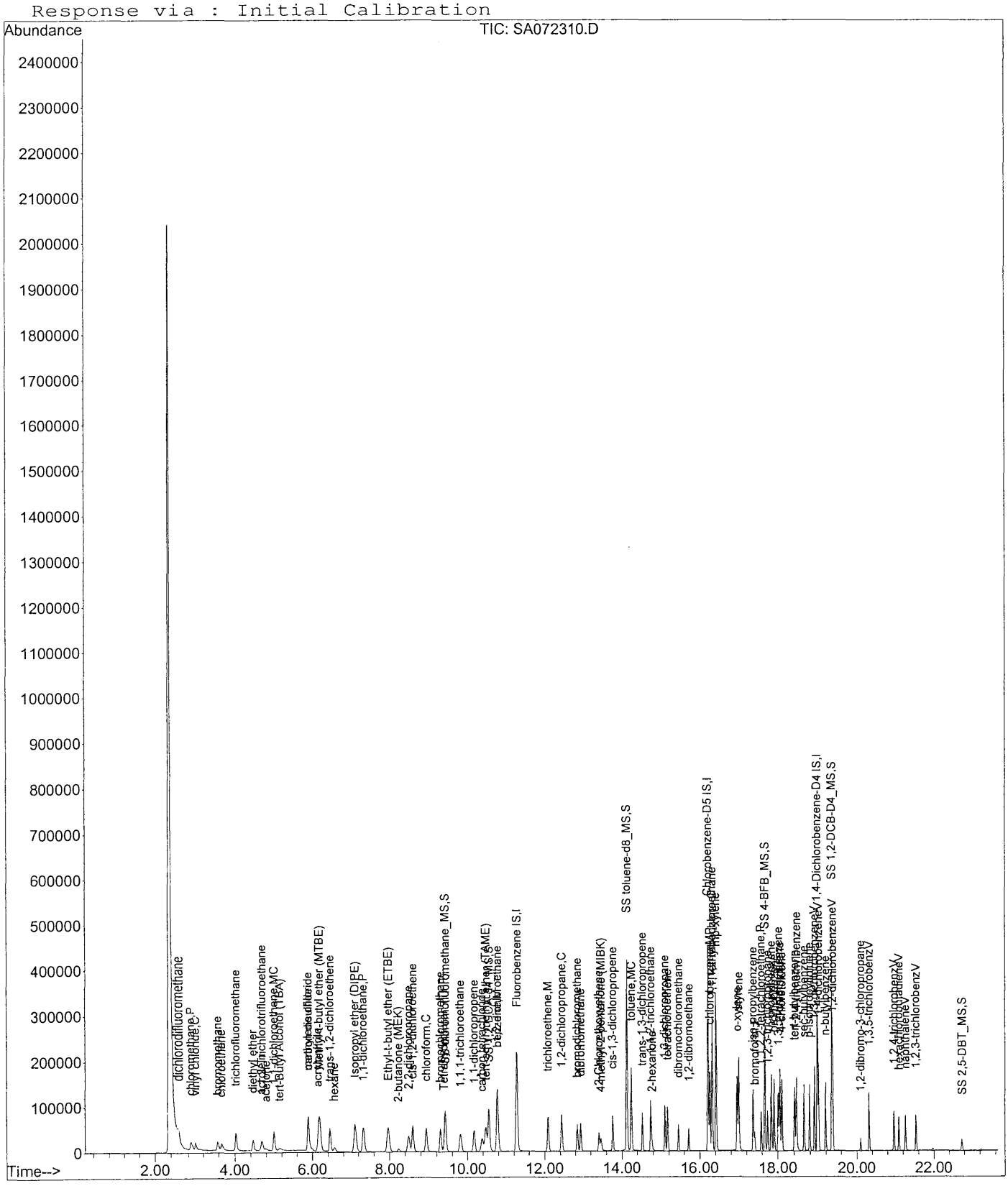
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
42) dibromomethane	12.94	93	26298	4.890 ug/L	99
43) bromodichloromethane	12.85	83	45457	4.839 ug/L	100
44) 2-Chloroethoxyethene	13.41	63	19916	4.589 ug/L	99
45) 4-methyl-2-pentanone (MIBK	13.46	58	10365	5.761 ug/L	92
46) cis-1,3-dichloropropene	13.76	75	48487	4.952 ug/L	99
49) toluene	14.24	91	145841	5.013 ug/L	100
50) trans-1,3-dichloropropene	14.52	75	42227	5.079 ug/L	99
51) 1,1,2-trichloroethane	14.74	83	30751	5.085 ug/L	99
52) 2-hexanone	14.78	43	17156	5.069 ug/L	96
53) tetrachloroethene	15.16	166	30885	4.612 ug/L	99
54) 1,3-dichloropropane	15.10	76	57045	5.057 ug/L	99
55) dibromochloromethane	15.45	129	29637	4.995 ug/L	97
56) 1,2-dibromoethane	15.72	107	32974	5.087 ug/L	100
57) chlorobenzene	16.26	112	98935	4.821 ug/L	97
58) 1,1,1,2-tetrachloroethane	16.31	131	30288	5.210 ug/L	99
59) ethylbenzene	16.32	91	140942	5.271 ug/L	99
60) mp-xylene	16.41	106	107202	11.025 ug/L	98
61) o-xylene	16.96	106	49967	5.373 ug/L	99
62) styrene	16.99	104	99018	5.854 ug/L	99
63) bromoform	17.41	173	16796	4.775 ug/L #	100
64) iso-propylbenzene	17.37	105	90155	5.175 ug/L	98
67) bromobenzene	17.90	156	41025	5.212 ug/L	98
68) 1,1,2,2-tetrachloroethane	17.57	83	45168	5.278 ug/L	100
69) 1,2,3-trichloropropane	17.74	110	11742	4.607 ug/L	91
71) n-propylbenzene	17.84	91	124716	5.079 ug/L	99
72) 2-chlorotoluene	18.05	91	105293	5.348 ug/L	99
73) 4-chlorotoluene	18.10	91	99324	5.144 ug/L	98
74) 1,3,5-trimethylbenzene	18.02	105	79811	5.331 ug/L	100
75) tert-butylbenzene	18.42	119	63980m	5.146 ug/L	
76) 1,2,4-trimethylbenzene	18.46	105	92797	5.772 ug/L	98
77) sec-butylbenzene	18.65	105	89652	5.346 ug/L	99
78) 1,3-dichlorobenzeneV	18.91	146	61903	5.252 ug/L	98
79) p-isopropyltoluene	18.78	119	72254	5.262 ug/L	99
80) 1,4-dichlorobenzeneV	19.01	146	63389	4.842 ug/L #	85
81) 1,2-dichlorobenzeneV	19.38	146	64640	5.083 ug/L #	89
82) n-butylbenzene	19.19	91	69088	5.143 ug/L	98
84) 1,2-dibromo-3-chloropropan	20.10	75	4553	4.747 ug/L	97
85) 1,3,5-trichlorobenzV	20.31	180	34338	5.025 ug/L	95
86) 1,2,4-trichlorobenzV	20.96	180	28188	5.089 ug/L	98
87) hexachlorobutadieneV	21.09	225	16104	4.480 ug/L	97
88) naphthaleneV	21.26	128	54047	5.198 ug/L	99
89) 1,2,3-trichlorobenzV	21.52	180	25349	5.356 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072310.D Vial: 10
Acq On : 23 Jul 2010 1:17 pm Operator: KJP
Sample : 5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:07 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072311.D Vial: 11
Acq On : 23 Jul 2010 1:53 pm Operator: KJP
Sample : 10 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 14:18:17 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 13:56:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	334613	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.20	117	244411	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	108493	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	88439	10.08	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.77%			
35) SS 1,2-DCA-d4_MS	10.55	65	106562	10.10	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.01%			
48) SS toluene-d8_MS	14.13	98	324719	10.22	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.16%			
65) SS 4-BFB_MS	17.68	95	126093	10.63	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 106.34%			
83) SS 1,2-DCB-D4_MS	19.35	152	100804	9.86	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.55%			
90) SS 2,5-DBT_MS	22.73	250	14477	10.80	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 27.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	96932	9.904	ug/L	99
3) chloromethane	2.87	50	90591	10.221	ug/L	99
4) vinyl chloride	2.99	62	61442	10.435	ug/L	95
5) bromomethane	3.58	94	49592	11.691	ug/L	99
6) chloroethane	3.67	64	51634	10.331	ug/L	99
7) trichlorofluoromethane	4.02	101	115537	10.109	ug/L	99
8) diethyl ether	4.47	59	47768	10.492	ug/L	96
9) 1,1,2-Trichlorotrifluoroet	4.69	101	37221	10.463	ug/L	99
10) acrolein	4.68	56	9608	9.650	ug/L	92
11) acetone	4.79	43	24970	11.710	ug/L	98
12) 1,1-dichloroethene	5.00	96	61504	11.232	ug/L	94
13) tert-Butyl Alcohol (TBA)	5.15	59	25608	64.170	ug/L	98
15) methylene chloride	5.89	84	75071	10.473	ug/L	98
16) carbon disulfide	5.90	76	195312	11.354	ug/L	100
17) acrylonitrile	6.14	53	30025	10.956	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.18	73	328825	21.919	ug/L	100
19) trans-1,2-dichloroethene	6.45	96	83502	11.534	ug/L	97
20) hexane	6.58	57	17957	10.366	ug/L	95
21) Isopropyl ether (DIPE)	7.10	45	263338	11.699	ug/L	99
22) vinyl acetate	7.34	43	123558	10.661	ug/L	99
23) 1,1-dichloroethane	7.32	63	160622	10.771	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	205936	11.783	ug/L	99
25) 2,2-dichloropropane	8.50	77	89992	11.382	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	92794	11.367	ug/L	98
27) 2-butanone (MEK)	8.23	43	35497	11.940	ug/L	99
28) bromochloromethane	9.30	128	44415	10.833	ug/L	99
29) Tetrahydrofuran (THF)	9.39	42	18305	11.594	ug/L	99
30) chloroform	8.94	83	156056	10.730	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	112350	11.172	ug/L	100
33) carbon tetrachloride	10.37	117	85391	11.237	ug/L	100
34) 1,1-dichloropropene	10.17	75	98395	11.320	ug/L	99
36) tert-amyl methyl ether (TA	10.47	73	156223	12.194	ug/L	98
37) benzene	10.78	78	339624	11.315	ug/L	99
38) 1,2-dichloroethane	10.77	62	129693	11.029	ug/L	99
39) trichloroethene	12.09	95	82794	10.618	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072311.D Vial: 11
Acq On : 23 Jul 2010 1:53 pm Operator: KJP
Sample : 10 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 14:18:17 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 13:56:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

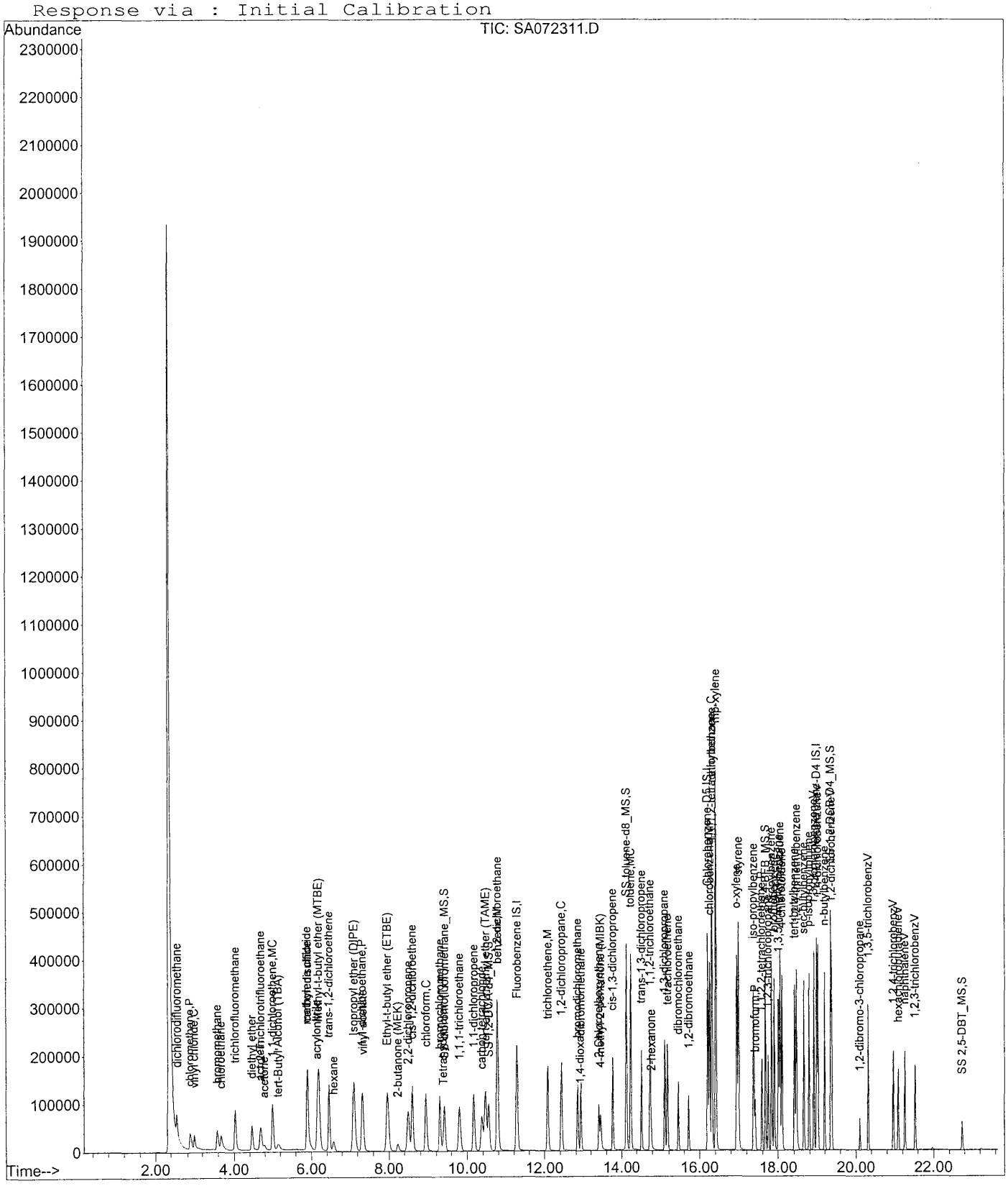
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
40)	1,2-dichloropropane	12.44	63	94644	11.148	ug/L	99
41)	1,4-dioxane	12.91	88	1330	27.422	ug/L #	74
42)	dibromomethane	12.94	93	59688	11.004	ug/L	100
43)	bromodichloromethane	12.85	83	107561	11.376	ug/L	99
44)	2-Chloroethoxyethene	13.41	63	45490	10.520	ug/L	99
45)	4-methyl-2-pentanone (MIBK	13.45	58	26531	14.125	ug/L	98
46)	cis-1,3-dichloropropene	13.76	75	119092	12.029	ug/L	99
49)	toluene	14.24	91	338280	11.558	ug/L	100
50)	trans-1,3-dichloropropene	14.52	75	106866	12.744	ug/L	99
51)	1,1,2-trichloroethane	14.74	83	68049	11.153	ug/L	98
52)	2-hexanone	14.78	43	47740	13.989	ug/L	98
53)	tetrachloroethene	15.18	166	72794	10.982	ug/L	98
54)	1,3-dichloropropane	15.10	76	135020	11.877	ug/L	98
55)	dibromochloromethane	15.45	129	72522	12.159	ug/L	99
56)	1,2-dibromoethane	15.72	107	76714	11.729	ug/L	99
57)	chlorobenzene	16.26	112	225129	10.989	ug/L	99
58)	1,1,1,2-tetrachloroethane	16.31	131	71248	12.087	ug/L	99
59)	ethylbenzene	16.32	91	337449	12.416	ug/L	100
60)	mp-xylene	16.41	106	248036	24.861	ug/L	97
61)	o-xylene	16.95	106	123022	12.963	ug/L	98
62)	styrene	16.99	104	232562	13.223	ug/L	98
63)	bromoform	17.41	173	43950	12.538	ug/L #	98
64)	iso-propylbenzene	17.37	105	224807	12.744	ug/L	99
67)	bromobenzene	17.90	156	92598	11.400	ug/L	99
68)	1,1,2,2-tetrachloroethane	17.57	83	100512	11.352	ug/L	99
69)	1,2,3-trichloropropane	17.74	110	27688	10.786	ug/L	94
71)	n-propylbenzene	17.84	91	302173	11.988	ug/L	99
72)	2-chlorotoluene	18.05	91	243686	11.930	ug/L	100
73)	4-chlorotoluene	18.10	91	233229	11.737	ug/L	99
74)	1,3,5-trimethylbenzene	18.02	105	203595	13.116	ug/L	100
75)	tert-butylbenzene	18.42	119	160132m	12.515	ug/L	
76)	1,2,4-trimethylbenzene	18.46	105	220021	12.973	ug/L	100
77)	sec-butylbenzene	18.65	105	219930	12.641	ug/L	98
78)	1,3-dichlorobenzeneV	18.91	146	138488	11.368	ug/L	99
79)	p-isopropyltoluene	18.78	119	184881	13.022	ug/L	99
80)	1,4-dichlorobenzeneV	19.01	146	145354	10.919	ug/L	98
81)	1,2-dichlorobenzeneV	19.38	146	141918	10.869	ug/L	97
82)	n-butylbenzene	19.19	91	176427	12.761	ug/L	100
84)	1,2-dibromo-3-chloropropan	20.10	75	11803	12.150	ug/L	97
85)	1,3,5-trichlorobenzV	20.31	180	82458	11.781	ug/L	96
86)	1,2,4-trichlorobenzV	20.96	180	67722	11.906	ug/L	100
87)	hexachlorobutadieneV	21.09	225	37823	10.501	ug/L	98
88)	naphthaleneV	21.26	128	142754	13.313	ug/L	100
89)	1,2,3-trichlorobenzV	21.52	180	57502	11.707	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072311.D Vial: 11
Acq On : 23 Jul 2010 1:53 pm Operator: KJP
Sample : 10 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 14:24 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072312.D Vial: 12
Acq On : 23 Jul 2010 2:29 pm Operator: KJP
Sample : 20 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 15:36:17 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 14:26:39 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	335008	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.20	117	250059	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	111067	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	87878	9.99	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.87%			
35) SS 1,2-DCA-d4_MS	10.55	65	106030	10.02	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.22%			
48) SS toluene-d8_MS	14.13	98	326666	10.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.09%			
65) SS 4-BFB_MS	17.68	95	124998	10.20	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.96%			
83) SS 1,2-DCB-D4_MS	19.35	152	104280	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.83%			
90) SS 2,5-DBT_MS	22.73	250	32617	23.45	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 58.64%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	189108	19.330	ug/L	100
3) chloromethane	2.87	50	179882	20.197	ug/L	100
4) vinyl chloride	2.99	62	98915	16.658	ug/L	97
5) bromomethane	3.58	94	96633	22.130	ug/L	99
6) chloroethane	3.67	64	101229	20.119	ug/L	99
7) trichlorofluoromethane	4.02	101	225049	19.632	ug/L	98
8) diethyl ether	4.47	59	100218	21.772	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	4.69	101	68923	19.174	ug/L	98
10) acrolein	4.68	56	20625	20.812	ug/L	99
11) acetone	4.79	43	41208m	18.511	ug/L	
12) 1,1-dichloroethene	5.00	96	114214	20.414	ug/L	99
13) tert-Butyl Alcohol (TBA)	5.15	59	51696	123.554	ug/L	96
15) methylene chloride	5.89	84	149899	20.724	ug/L	99
16) carbon disulfide	5.91	76	391432	22.227	ug/L	100
17) acrylonitrile	6.14	53	60318	21.639	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.18	73	674608	44.209	ug/L	99
19) trans-1,2-dichloroethene	6.45	96	164903	22.184	ug/L	98
20) hexane	6.58	57	34340	19.621	ug/L	96
21) Isopropyl ether (DIPE)	7.10	45	550635	23.760	ug/L	99
22) vinyl acetate	7.34	43	278337m	23.726	ug/L	
23) 1,1-dichloroethane	7.32	63	320370	21.186	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	444234	24.654	ug/L	100
25) 2,2-dichloropropane	8.50	77	183219	22.625	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	191928	22.960	ug/L	100
27) 2-butanone (MEK)	8.23	43	68997	22.454	ug/L	98
28) bromochloromethane	9.30	128	92701	22.274	ug/L	95
29) Tetrahydrofuran (THF)	9.38	42	39374	24.265	ug/L	96
30) chloroform	8.94	83	312164	21.180	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	223211	21.744	ug/L	99
33) carbon tetrachloride	10.38	117	171135	22.040	ug/L	98
34) 1,1-dichloropropene	10.17	75	200839	22.582	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	333682	25.096	ug/L	95
37) benzene	10.78	78	679559	22.129	ug/L	99
38) 1,2-dichloroethane	10.77	62	259814	21.696	ug/L	99
39) trichloroethene	12.09	95	167304	21.212	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072312.D Vial: 12
Acq On : 23 Jul 2010 2:29 pm Operator: KJP
Sample : 20 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 15:36:17 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 14:26:39 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

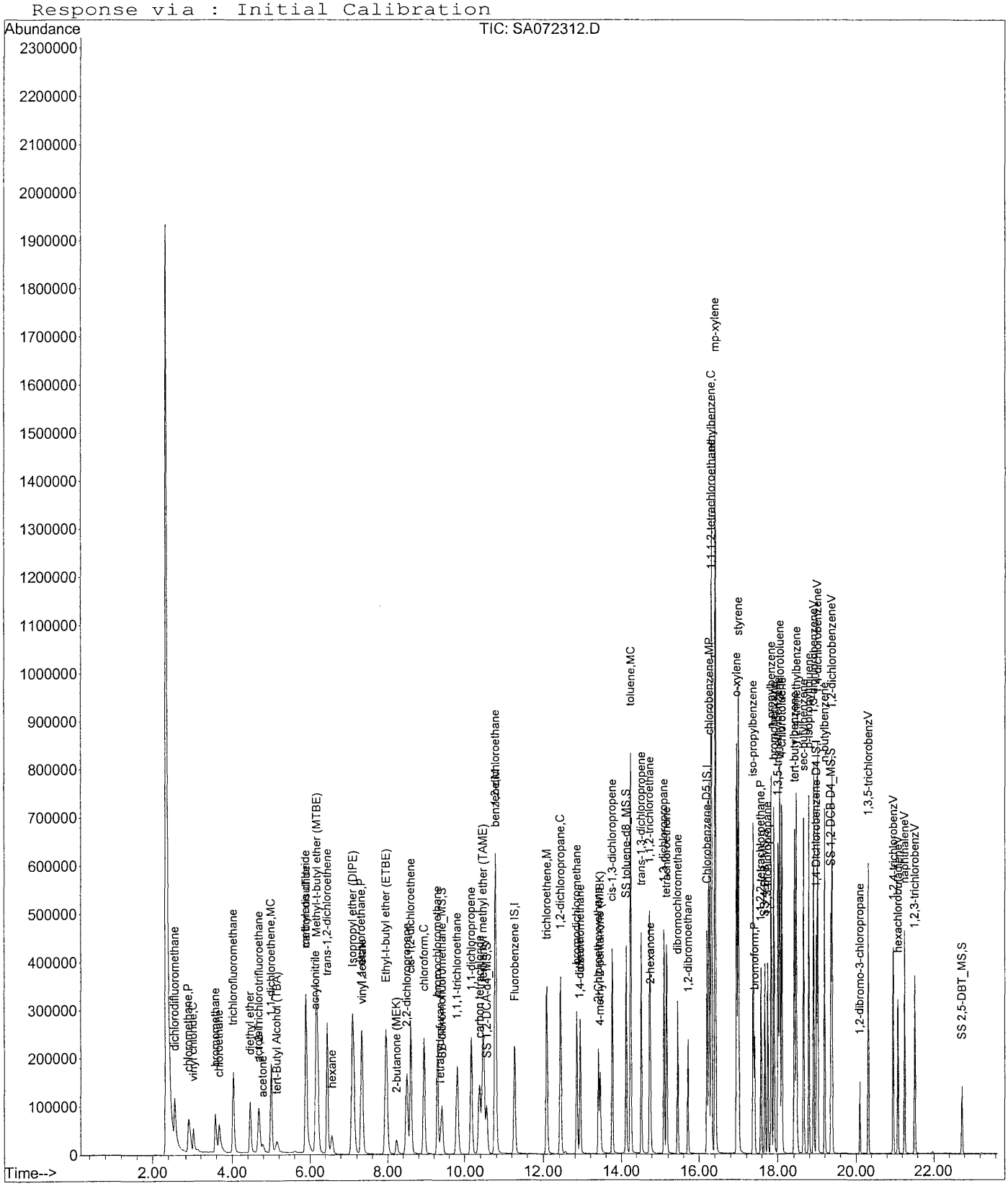
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
40)	1,2-dichloropropane	12.44	63	193716	22.362 ug/L		98
41)	1,4-dioxane	12.93	88	3224	59.086 ug/L	#	79
42)	dibromomethane	12.94	93	120096	21.751 ug/L		99
43)	bromodichloromethane	12.85	83	228026	23.549 ug/L		100
44)	2-Chloroethoxyethene	13.41	63	103901	23.794 ug/L		98
45)	4-methyl-2-pentanone (MIBK	13.45	58	57486	28.603 ug/L		99
46)	cis-1,3-dichloropropene	13.76	75	265420	25.902 ug/L		99
49)	toluene	14.24	91	684937	22.294 ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	236161	26.323 ug/L		99
51)	1,1,2-trichloroethane	14.74	83	139780	21.970 ug/L		99
52)	2-hexanone	14.76	43	99785	26.798 ug/L		99
53)	tetrachloroethene	15.16	166	140320	20.358 ug/L		100
54)	1,3-dichloropropane	15.10	76	272223	22.695 ug/L		100
55)	dibromochloromethane	15.45	129	161185	25.496 ug/L		99
56)	1,2-dibromoethane	15.72	107	160996	23.386 ug/L		99
57)	chlorobenzene	16.26	112	452287	21.229 ug/L		100
58)	1,1,1,2-tetrachloroethane	16.31	131	151919	24.344 ug/L		100
59)	ethylbenzene	16.32	91	674637	23.322 ug/L		100
60)	mp-xylene	16.41	106	500488	47.123 ug/L		99
61)	o-xylene	16.95	106	253708	24.900 ug/L		99
62)	styrene	16.99	104	476787	25.146 ug/L	#	90
63)	bromoform	17.41	173	97805	26.165 ug/L	#	98
64)	iso-propylbenzene	17.37	105	456099	24.166 ug/L		100
67)	bromobenzene	17.90	156	188842	22.193 ug/L		99
68)	1,1,2,2-tetrachloroethane	17.57	83	205056	22.124 ug/L		99
69)	1,2,3-trichloropropane	17.74	110	55939	21.011 ug/L		96
71)	n-propylbenzene	17.84	91	597106	22.397 ug/L		99
72)	2-chlorotoluene	18.05	91	481065	22.288 ug/L		99
73)	4-chlorotoluene	18.10	91	467296	22.325 ug/L		100
74)	1,3,5-trimethylbenzene	18.01	105	405149	24.237 ug/L		100
75)	tert-butylbenzene	18.42	119	331295m	24.274 ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	445767	24.463 ug/L		99
77)	sec-butylbenzene	18.65	105	437168	23.510 ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	276624	21.686 ug/L		99
79)	p-isopropyltoluene	18.78	119	372826	24.421 ug/L		98
80)	1,4-dichlorobenzeneV	19.01	146	288822	20.874 ug/L		98
81)	1,2-dichlorobenzeneV	19.38	146	283904	20.936 ug/L		98
82)	n-butylbenzene	19.19	91	346753	23.421 ug/L		100
84)	1,2-dibromo-3-chloropropan	20.10	75	26903	26.116 ug/L		98
85)	1,3,5-trichlorobenzV	20.31	180	160493	21.754 ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	139795	23.269 ug/L		99
87)	hexachlorobutadieneV	21.09	225	72191	19.417 ug/L		98
88)	naphthaleneV	21.26	128	321072	27.718 ug/L		100
89)	1,2,3-trichlorobenzV	21.52	180	122438	23.677 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072312.D Vial: 12
Acq On : 23 Jul 2010 2:29 pm Operator: KJP
Sample : 20 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 15:37 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072314.D Vial: 14
Acq On : 23 Jul 2010 3:42 pm Operator: KJP
Sample : 50 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 13:38:15 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	340281	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	254659	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	110019	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	90588	10.14	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.38%			
35) SS 1,2-DCA-d4_MS	10.55	65	105826	9.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.06%			
48) SS toluene-d8_MS	14.13	98	328943	9.88	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.83%			
65) SS 4-BFB_MS	17.68	95	128266	10.20	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.98%			
83) SS 1,2-DCB-D4_MS	19.35	152	102129	9.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.08%			
90) SS 2,5-DBT_MS	22.73	250	89242	46.68	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 116.69%			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	257674	51.810	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	4.69	101	201855	53.451	ug/L	99
11) acetone	4.79	43	128178	59.240	ug/L	96
12) 1,1-dichloroethene	5.00	96	332361	55.231	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.15	59	123227	240.271	ug/L	94
15) methylene chloride	5.89	84	384404	50.525	ug/L	99
16) carbon disulfide	5.91	76	1136220	57.543	ug/L	100
17) acrylonitrile	6.14	53	147975	51.234	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.18	73	1688991	103.343	ug/L	100
19) trans-1,2-dichloroethene	6.45	96	458522	56.195	ug/L	100
20) hexane	6.58	57	110148	54.950	ug/L	95
21) Isopropyl ether (DIPE)	7.10	45	1473522	55.032	ug/L	99
23) 1,1-dichloroethane	7.32	63	872093	53.632	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	1179977	53.175	ug/L	99
25) 2,2-dichloropropane	8.50	77	547243	49.131	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	506299	53.699	ug/L	99
27) 2-butanone (MEK)	8.23	43	191618	53.372	ug/L	99
28) bromochloromethane	9.30	128	238258	51.710	ug/L	99
29) Tetrahydrofuran (THF)	9.38	42	106204	51.921	ug/L	98
30) chloroform	8.94	83	822825	51.730	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	638882	53.586	ug/L	99
33) carbon tetrachloride	10.37	117	525034	48.116	ug/L	99
34) 1,1-dichloropropene	10.17	75	598196	55.889	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	897766	52.728	ug/L	96
37) benzene	10.78	78	1809815	55.524	ug/L	100
38) 1,2-dichloroethane	10.77	62	653281	50.916	ug/L	99
39) trichloroethene	12.09	95	471910	54.617	ug/L	99
40) 1,2-dichloropropane	12.44	63	508028	53.236	ug/L	99
42) dibromomethane	12.94	93	305840	52.213	ug/L	99
43) bromodichloromethane	12.85	83	620001	50.908	ug/L	99
45) 4-methyl-2-pentanone (MIBK	13.45	58	144258	50.310	ug/L	94
46) cis-1,3-dichloropropene	13.76	75	726059	56.481	ug/L	100
49) toluene	14.24	91	1785697	55.133	ug/L	100
50) trans-1,3-dichloropropene	14.52	75	648455	49.076	ug/L	99
51) 1,1,2-trichloroethane	14.74	83	350607	50.681	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072314.D Vial: 14
Acq On : 23 Jul 2010 3:42 pm Operator: KJP
Sample : 50 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 13:38:15 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

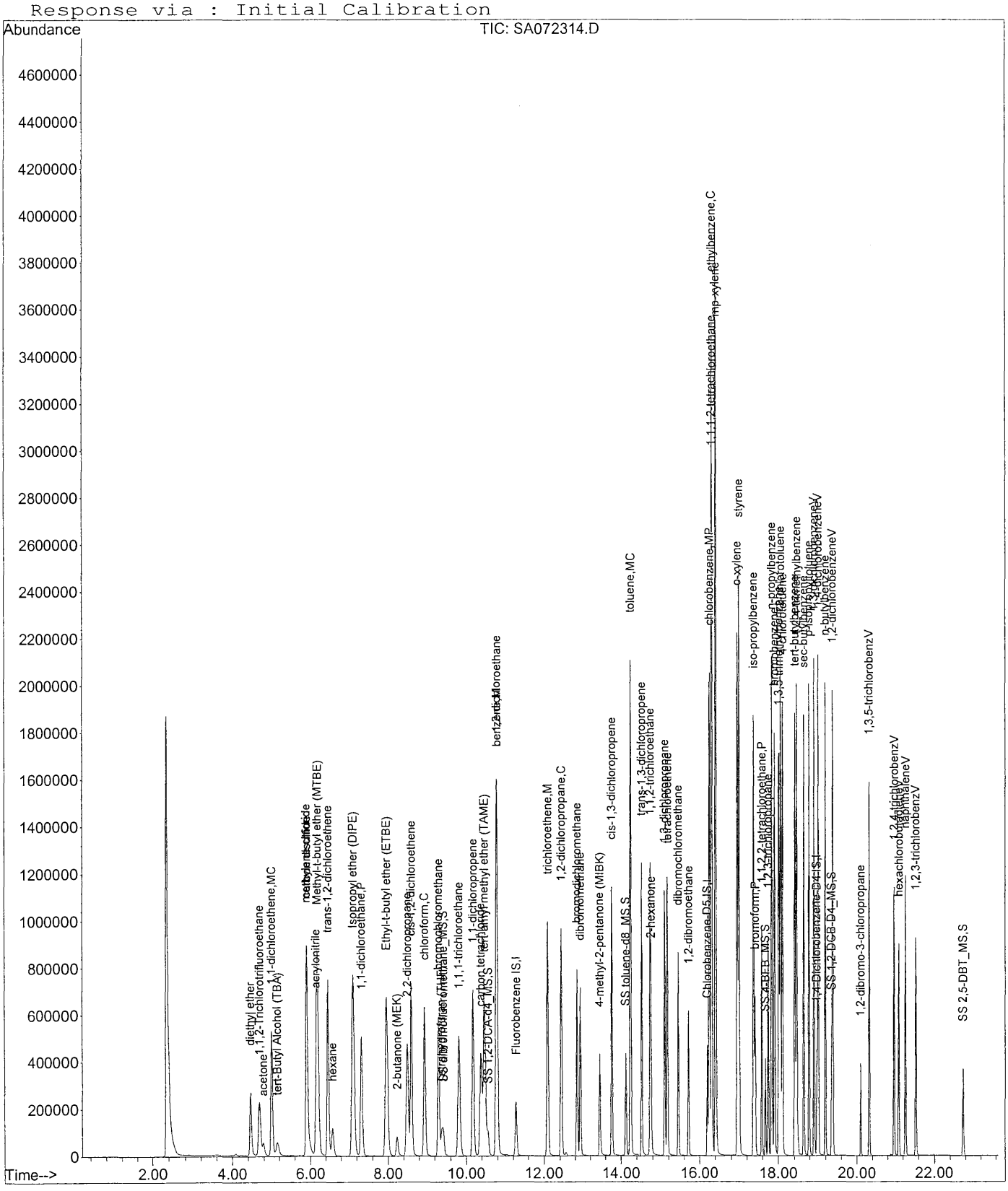
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
52) 2-hexanone	14.76	43	281105	55.856 ug/L		97
53) tetrachloroethene	15.18	166	391931	53.921 ug/L		99
54) 1,3-dichloropropane	15.10	76	677712	51.523 ug/L		100
55) dibromochloromethane	15.45	129	439723	54.674 ug/L		99
56) 1,2-dibromoethane	15.72	107	411829	52.893 ug/L		99
57) chlorobenzene	16.26	112	1177334	52.754 ug/L		99
58) 1,1,1,2-tetrachloroethane	16.31	131	407190	56.802 ug/L		99
59) ethylbenzene	16.32	91	1787171	56.903 ug/L		99
60) mp-xylene	16.41	106	1298903	113.034 ug/L		98
61) o-xylene	16.95	106	666963	56.252 ug/L		99
62) styrene	16.99	104	1227233	56.381 ug/L		99
63) bromoform	17.41	173	275563	47.773 ug/L	#	100
64) iso-propylbenzene	17.37	105	1263352	56.795 ug/L		99
67) bromobenzene	17.90	156	477803	53.398 ug/L		100
68) 1,1,2,2-tetrachloroethane	17.58	83	505692	51.321 ug/L		99
69) 1,2,3-trichloropropane	17.74	110	135207	49.861 ug/L		100
71) n-propylbenzene	17.84	91	1641237	57.481 ug/L		99
72) 2-chlorotoluene	18.05	91	1257892	54.131 ug/L		100
73) 4-chlorotoluene	18.11	91	1225765	55.910 ug/L		99
74) 1,3,5-trimethylbenzene	18.02	105	1091240	57.391 ug/L		98
75) tert-butylbenzene	18.42	119	916005m	58.258 ug/L		
76) 1,2,4-trimethylbenzene	18.46	105	1167898	56.886 ug/L		100
77) sec-butylbenzene	18.65	105	1209283	57.941 ug/L		99
78) 1,3-dichlorobenzeneV	18.91	146	711396	53.282 ug/L		100
79) p-isopropyltoluene	18.78	119	1050638	59.807 ug/L		100
80) 1,4-dichlorobenzeneV	19.01	146	730131	52.216 ug/L		98
81) 1,2-dichlorobenzeneV	19.38	146	714596	52.166 ug/L		98
82) n-butylbenzene	19.19	91	972452	59.102 ug/L		98
84) 1,2-dibromo-3-chloropropan	20.10	75	74210	46.729 ug/L		99
85) 1,3,5-trichlorobenzV	20.31	180	429552	54.388 ug/L		99
86) 1,2,4-trichlorobenzV	20.96	180	375531	55.852 ug/L		98
87) hexachlorobutadieneV	21.09	225	199510	52.301 ug/L		100
88) naphthaleneV	21.26	128	839015	55.722 ug/L		100
89) 1,2,3-trichlorobenzV	21.52	180	312128	53.623 ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072314.D Vial: 14
Acq On : 23 Jul 2010 3:42 pm Operator: KJP
Sample : 50 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 13:39 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072306.D Vial: 6
Acq On : 23 Jul 2010 10:32 am Operator: KJP
Sample : 100 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:07:23 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 10:31:46 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	332674	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.20	117	244745	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	108629	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	86566	9.65	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.53%			
35) SS 1,2-DCA-d4_MS	10.55	65	102022	9.52	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.18%			
48) SS toluene-d8_MS	14.13	98	321076	10.04	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.44%			
65) SS 4-BFB_MS	17.68	95	124558	10.53	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 105.32%			
83) SS 1,2-DCB-D4_MS	19.35	152	99822	9.65	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.55%			
90) SS 2,5-DBT_MS	22.73	250	189208	185.53	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 463.82%#			

11 192736 acetone area = 192736 8/31/10

Target Compounds						Qvalue
8) diethyl ether	4.47	59	513801	102.307	ug/L	99
9) 1,1,2-Trichlorotrifluoroet	4.69	101	399862	102.645	ug/L	99
12) 1,1-dichloroethene	5.00	96	668241	122.299	ug/L	97
13) tert-Butyl Alcohol (TBA)	5.16	59	239038	619.599	ug/L	98
15) methylene chloride	5.89	84	754795	101.723	ug/L	99
16) carbon disulfide	5.90	76	2288049	139.081	ug/L	100
17) acrylonitrile	6.14	53	292116	101.705	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.18	73	3351237	219.617	ug/L	99
19) trans-1,2-dichloroethene	6.46	96	809888	106.712	ug/L	99
21) Isopropyl ether (DIPE)	7.10	45	2929390	138.782	ug/L	98
23) 1,1-dichloroethane	7.32	63	1731472	117.042	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	2376479	153.659	ug/L	99
25) 2,2-dichloropropane	8.50	77	1093254	149.191	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	1001920	127.703	ug/L	98
27) 2-butanone (MEK)	8.23	43	352696	119.165	ug/L	98
28) bromochloromethane	9.30	128	476884	118.742	ug/L	96
29) Tetrahydrofuran (THF)	9.38	42	212481	139.906	ug/L	95
30) chloroform	8.94	83	1616910	108.205	ug/L	100
32) 1,1,1-trichloroethane	9.81	97	1301411	138.479	ug/L	99
33) carbon tetrachloride	10.38	117	1087785	157.801	ug/L	99
34) 1,1-dichloropropene	10.17	75	1204737	147.968	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	1826065	165.488	ug/L	89
37) benzene	10.78	78	3477446	119.399	ug/L	99
38) 1,2-dichloroethane	10.77	62	1278453	107.883	ug/L	99
39) trichloroethene	12.09	95	941982	119.287	ug/L	99
40) 1,2-dichloropropane	12.44	63	1003259	120.749	ug/L	97
42) dibromomethane	12.94	93	597558	109.432	ug/L	100
43) bromodichloromethane	12.85	83	1245870	143.939	ug/L	100
45) 4-methyl-2-pentanone (MIBK	13.45	58	293887	209.513	ug/L	93
46) cis-1,3-dichloropropene	13.76	75	1459362	174.327	ug/L	100
49) toluene	14.24	91	3414317	118.553	ug/L	99
50) trans-1,3-dichloropropene	14.52	75	1321892	197.631	ug/L	99
51) 1,1,2-trichloroethane	14.74	83	688533	113.614	ug/L	100
52) 2-hexanone	14.76	43	516056	181.653	ug/L	96
53) tetrachloroethene	15.18	166	772691	113.947	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072306.D Vial: 6
Acq On : 23 Jul 2010 10:32 am Operator: KJP
Sample : 100 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:07:23 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 10:31:46 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

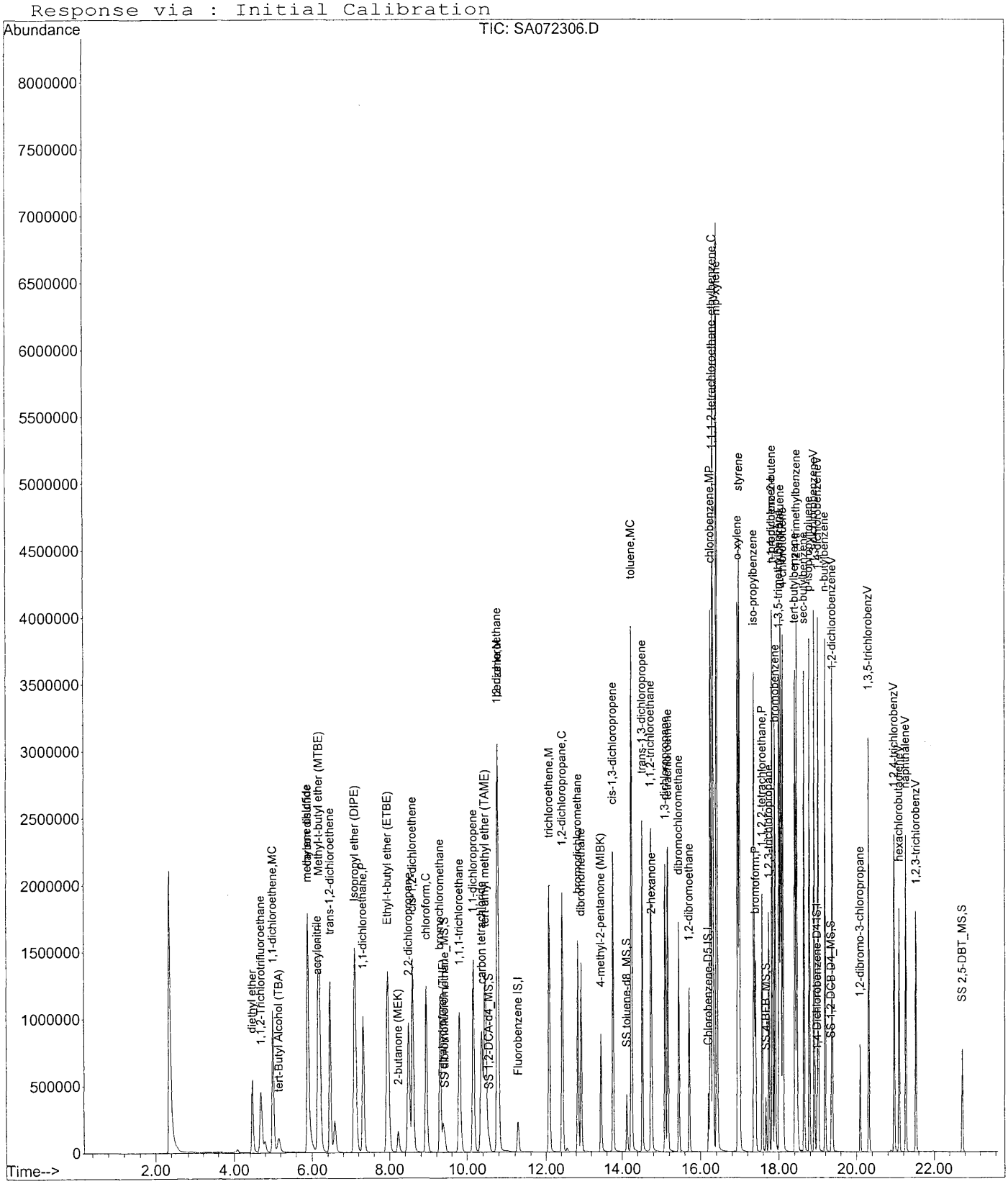
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
54)	1,3-dichloropropane	15.11	76	1346599	122.015 ug/L		100
55)	dibromochloromethane	15.45	129	900861	174.862 ug/L		100
56)	1,2-dibromoethane	15.72	107	810050	129.903 ug/L		99
57)	chlorobenzene	16.26	112	2253618	106.533 ug/L		99
58)	1,1,1,2-tetrachloroethane	16.31	131	784161	151.722 ug/L		99
59)	ethylbenzene	16.32	91	3277819	128.514 ug/L		98
60)	mp-xylene	16.42	106	2404420	265.783 ug/L		96
61)	o-xylene	16.96	106	1293733	157.265 ug/L		98
62)	styrene	16.99	104	2298130	156.205 ug/L	#	89
63)	bromoform	17.41	173	581081	203.012 ug/L	#	100
64)	iso-propylbenzene	17.37	105	2474698	160.371 ug/L		99
67)	bromobenzene	17.92	156	911235	114.321 ug/L		99
68)	1,1,2,2-tetrachloroethane	17.58	83	990167	115.637 ug/L		100
69)	1,2,3-trichloropropane	17.76	110	270276	100.007 ug/L		97
~~70)~~	~~t-1,4-dichloro-2-butene~~	~~17.84~~	~~53~~	~~15777~~	~~35.926~~ ug/L	#	~~1~~
71)	n-propylbenzene	17.84	91	3146048	131.339 ug/L		97
72)	2-chlorotoluene	18.05	91	2416568	126.058 ug/L		99
73)	4-chlorotoluene	18.11	91	2339550	122.028 ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	2142389	161.176 ug/L		99
75)	tert-butylbenzene	18.42	119	1786788m	156.384 ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	2238222	156.174 ug/L		98
77)	sec-butylbenzene	18.65	105	2323088	148.929 ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	1380885	116.788 ug/L		100
79)	p-isopropyltoluene	18.78	119	2017920	164.478 ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	1415178	102.891 ug/L		97
81)	1,2-dichlorobenzeneV	19.39	146	1371655	102.621 ug/L		97
82)	n-butylbenzene	19.19	91	1841173	146.952 ug/L		98
84)	1,2-dibromo-3-chloropropan	20.10	75	155122	205.649 ug/L		99
85)	1,3,5-trichlorobenzV	20.31	180	851253	124.879 ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	741801	143.543 ug/L		99
87)	hexachlorobutadieneV	21.09	225	388769	109.988 ug/L		99
88)	naphthaleneV	21.26	128	1688876	196.162 ug/L		99
89)	1,2,3-trichlorobenzV	21.53	180	621166	137.735 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072306.D Vial: 6
Acq On : 23 Jul 2010 10:32 am Operator: KJP
Sample : 100 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:08 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072318.D Vial: 18
Acq On : 23 Jul 2010 6:06 pm Operator: KJP
Sample : 200 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:06:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	343082	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	248169	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	107780	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	89540	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.54%			
35) SS 1,2-DCA-d4_MS	10.55	65	103161	9.55	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.45%			
48) SS toluene-d8_MS	14.13	98	323993	10.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.09%			
65) SS 4-BFB_MS	17.68	95	127664	10.47	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 104.75%			
83) SS 1,2-DCB-D4_MS	19.35	152	99089	9.78	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.83%			
90) SS 2,5-DBT_MS	22.73	250	393209	275.25	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 688.13%#			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	1010139	208.600	ug/L	95
9) 1,1,2-Trichlorotrifluoroet	4.68	101	811634	218.469	ug/L	99
11) acetone	4.80	43	375223	162.646	ug/L	96
12) 1,1-dichloroethene	5.00	96	1309397	223.215	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.16	59	532174	1072.085	ug/L	89
15) methylene chloride	5.89	84	1439100	192.289	ug/L	98
16) carbon disulfide	5.90	76	4095898	216.756	ug/L	100
17) acrylonitrile	6.14	53	532369	183.571	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.18	73	6536234	408.307	ug/L	99
19) trans-1,2-dichloroethene	6.45	96	1840129	232.321	ug/L	99
20) hexane	6.58	57	469841	252.852	ug/L	93
21) Isopropyl ether (DIPE)	7.10	45	5765715	230.269	ug/L	98
23) 1,1-dichloroethane	7.32	63	3474884	219.047	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	4911149	249.839	ug/L	98
25) 2,2-dichloropropane	8.50	77	2378275	271.119	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	1988069	222.752	ug/L	98
27) 2-butanone (MEK)	8.23	43	754275	229.630	ug/L	99
28) bromochloromethane	9.30	128	958517	218.316	ug/L	97
29) Tetrahydrofuran (THF)	9.38	42	458644	259.701	ug/L	99
30) chloroform	8.94	83	3228704	209.758	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	2680564	245.394	ug/L	98
33) carbon tetrachloride	10.37	117	2292152	273.437	ug/L	99
34) 1,1-dichloropropene	10.17	75	2426920	252.160	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	3864351	264.483	ug/L #	88
37) benzene	10.78	78	6471644	199.117	ug/L	99
38) 1,2-dichloroethane	10.77	62	2452860	196.112	ug/L	98
39) trichloroethene	12.09	95	1859170	223.504	ug/L	99
40) 1,2-dichloropropane	12.44	63	1941638	211.646	ug/L	98
42) dibromomethane	12.94	93	1172113	202.770	ug/L	99
43) bromodichloromethane	12.85	83	2472537	236.387	ug/L	100
45) 4-methyl-2-pentanone (MIBK	13.45	58	628106	276.066	ug/L	97
46) cis-1,3-dichloropropene	13.77	75	2863373	251.177	ug/L	99
49) toluene	14.25	91	6163021	195.857	ug/L	97
50) trans-1,3-dichloropropene	14.52	75	2625361	270.029	ug/L	99
51) 1,1,2-trichloroethane	14.74	83	1289112	199.652	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072318.D Vial: 18
Acq On : 23 Jul 2010 6:06 pm Operator: KJP
Sample : 200 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:06:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

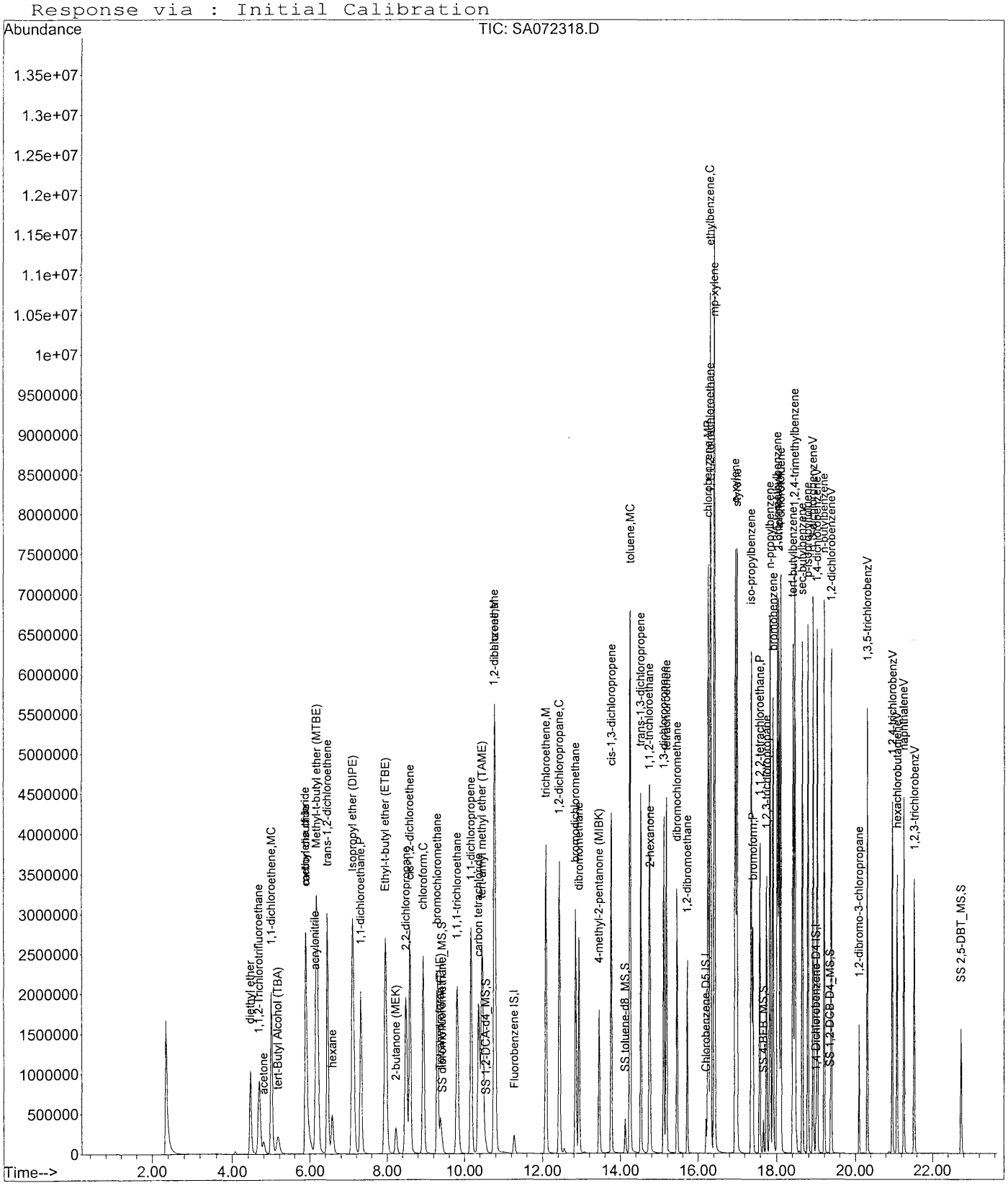
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
52)	2-hexanone	14.76	43	1025609	251.658 ug/L		94
53)	tetrachloroethene	15.18	166	1490453	214.278 ug/L		98
54)	1,3-dichloropropane	15.11	76	2525378	205.854 ug/L		99
55)	dibromochloromethane	15.45	129	1790046	264.144 ug/L		98
56)	1,2-dibromoethane	15.72	107	1582299	222.041 ug/L		100
57)	chlorobenzene	16.26	112	4010029	186.236 ug/L		99
58)	1,1,1,2-tetrachloroethane	16.31	131	1423553	216.366 ug/L		99
59)	ethylbenzene	16.32	91	5487997	182.510 ug/L		96
60)	mp-xylene	16.42	106	4028077	364.863 ug/L		89
61)	o-xylene	16.96	106	2367489	219.567 ug/L		94
62)	styrene	17.00	104	4153935	207.069 ug/L	#	88
63)	bromoform	17.41	173	1174664	289.305 ug/L	#	98
64)	iso-propylbenzene	17.37	105	4511753	226.097 ug/L		97
67)	bromobenzene	17.92	156	1680475	197.504 ug/L		99
68)	1,1,2,2-tetrachloroethane	17.58	83	1895714	205.433 ug/L		100
69)	1,2,3-trichloropropane	17.76	110	527379	202.207 ug/L		99
71)	n-propylbenzene	17.84	91	5503872	203.514 ug/L		95
72)	2-chlorotoluene	18.05	91	4615969	212.649 ug/L		99
73)	4-chlorotoluene	18.11	91	3861463	183.264 ug/L		96
74)	1,3,5-trimethylbenzene	18.02	105	3910884	226.115 ug/L		98
75)	tert-butylbenzene	18.42	119	3291353m	232.016 ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	4078794	216.658 ug/L		97
77)	sec-butylbenzene	18.65	105	4258959	222.442 ug/L		97
78)	1,3-dichlorobenzeneV	18.91	146	2482487	195.412 ug/L		98
79)	p-isopropyltoluene	18.78	119	3668148	230.045 ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	2508654	184.322 ug/L		98
81)	1,2-dichlorobenzeneV	19.39	146	2461357	184.492 ug/L		98
82)	n-butylbenzene	19.19	91	3339240	218.826 ug/L		96
84)	1,2-dibromo-3-chloropropan	20.10	75	322036	294.189 ug/L		98
85)	1,3,5-trichlorobenzV	20.31	180	1563141	211.379 ug/L		98
86)	1,2,4-trichlorobenzV	20.96	180	1401708	228.286 ug/L		99
87)	hexachlorobutadieneV	21.09	225	747237	205.714 ug/L		98
88)	naphthaleneV	21.26	128	3252289	261.591 ug/L		99
89)	1,2,3-trichlorobenzV	21.53	180	1204186	228.468 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072318.D Vial: 18
Acq On : 23 Jul 2010 6:06 pm Operator: KJP
Sample : 200 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 9:07 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072321.D Vial: 21
Acq On : 23 Jul 2010 7:55 pm Operator: KJP
Sample : 300 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:10:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	337792	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	249666	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	108255	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	90653	10.24	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.36%			
35) SS 1,2-DCA-d4_MS	10.55	65	105843	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.47%			
48) SS toluene-d8_MS	14.13	98	325992	10.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.11%			
65) SS 4-BFB_MS	17.68	95	123365	10.06	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.61%			
83) SS 1,2-DCB-D4_MS	19.35	152	99054	9.74	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.37%			
90) SS 2,5-DBT_MS	22.73	250	620798	432.66	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 1081.65%#			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	1478039	310.004	ug/L	95
9) 1,1,2-Trichlorotrifluoroet	4.68	101	1169365	319.689	ug/L	99
11) acetone	4.81	43	589062	259.337	ug/L	96
12) 1,1-dichloroethene	4.99	96	1895634	328.212	ug/L	97
13) tert-Butyl Alcohol (TBA)	5.19	59	894233	1829.679	ug/L #	86
15) methylene chloride	5.89	84	2110043	286.353	ug/L	96
16) carbon disulfide	5.90	76	5561861	298.945	ug/L	100
17) acrylonitrile	6.16	53	796968	279.113	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.19	73	9639512	611.594	ug/L	99
19) trans-1,2-dichloroethene	6.45	96	2077178	266.355	ug/L	99
20) hexane	6.57	57	663855	362.859	ug/L	92
21) Isopropyl ether (DIPE)	7.12	45	8199925	332.614	ug/L	98
23) 1,1-dichloroethane	7.32	63	5012906	320.948	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	7328240	378.639	ug/L	98
25) 2,2-dichloropropane	8.50	77	3363089	389.390	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	2837850	322.945	ug/L	99
27) 2-butanone (MEK)	8.23	43	1206899	373.181	ug/L	98
28) bromochloromethane	9.31	128	1391571	321.914	ug/L	96
29) Tetrahydrofuran (THF)	9.39	42	745754	428.887	ug/L	97
30) chloroform	8.94	83	4679682	308.784	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	4015561	373.364	ug/L	98
33) carbon tetrachloride	10.37	117	3400110	411.960	ug/L	99
34) 1,1-dichloropropene	10.17	75	3493933	368.709	ug/L	99
36) tert-amyl methyl ether (TA	10.47	73	5932753	412.407	ug/L #	85
37) benzene	10.79	78	8839081	276.217	ug/L	99
38) 1,2-dichloroethane	10.78	62	3472867	282.012	ug/L	97
39) trichloroethene	12.09	95	2625213	320.538	ug/L	99
40) 1,2-dichloropropane	12.44	63	2747625	304.193	ug/L	97
42) dibromomethane	12.94	93	1686563	296.336	ug/L	98
43) bromodichloromethane	12.85	83	3585689	348.178	ug/L	100
45) 4-methyl-2-pentanone (MIBK	13.45	58	986447	440.354	ug/L	99
46) cis-1,3-dichloropropene	13.77	75	3970427	353.743	ug/L	99
49) toluene	14.25	91	8045893	254.161	ug/L	94
51) 1,1,2-trichloroethane	14.75	83	1812961	279.099	ug/L	99
52) 2-hexanone	14.78	43	1566102	381.978	ug/L #	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072321.D Vial: 21
Acq On : 23 Jul 2010 7:55 pm Operator: KJP
Sample : 300 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:10:38 2010 Quant Results File: 4VID0723.RES

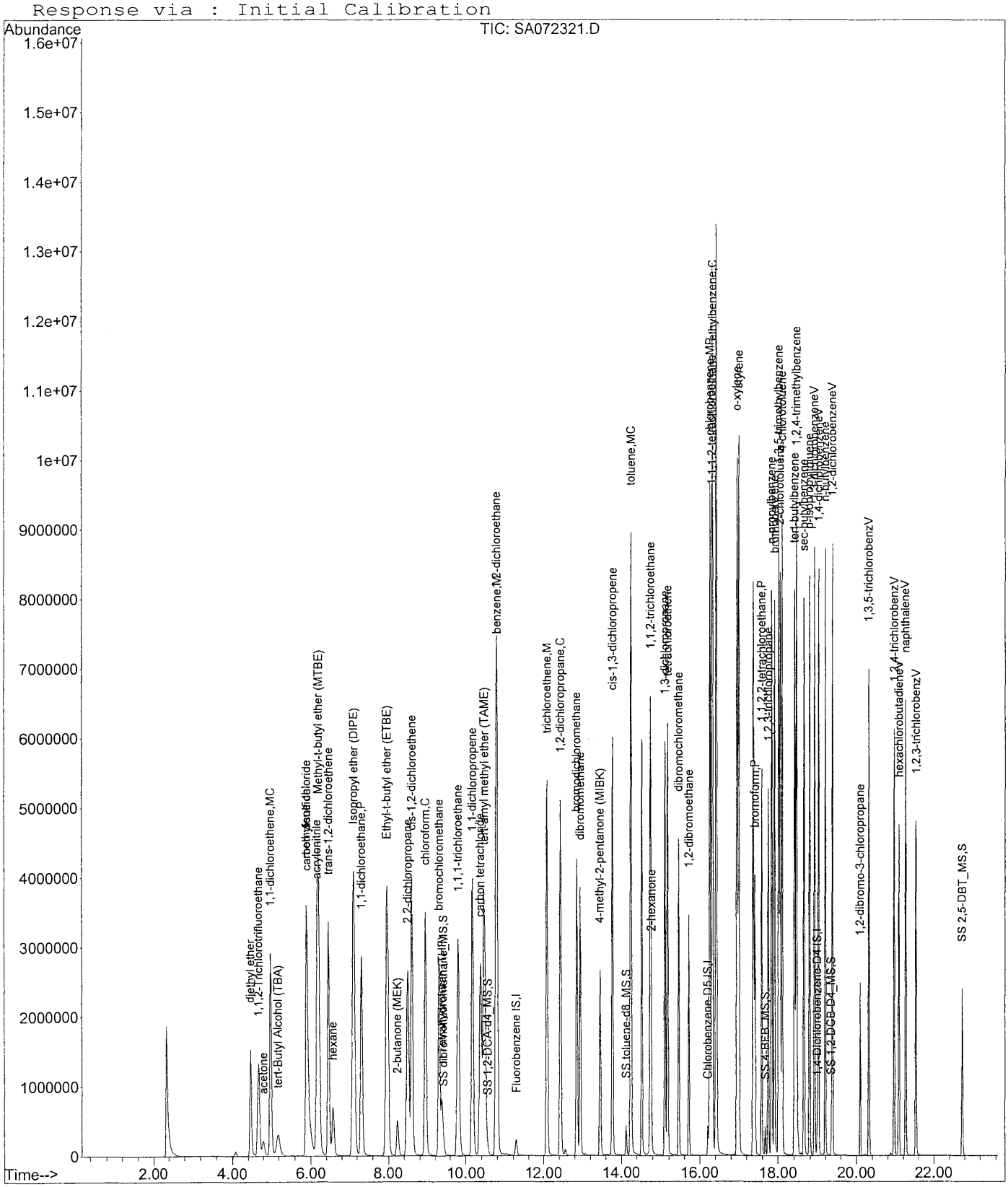
Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
53) tetrachloroethene	15.18	166	2049462	292.879 ug/L	98
54) 1,3-dichloropropane	15.11	76	3535614	286.474 ug/L	99
55) dibromochloromethane	15.45	129	2554237	374.650 ug/L	97
56) 1,2-dibromoethane	15.72	107	2253845	314.381 ug/L	99
57) chlorobenzene	16.26	112	5330287	246.068 ug/L	97
58) 1,1,1,2-tetrachloroethane	16.31	131	1914308	289.212 ug/L	99
59) ethylbenzene	16.33	91	6751217	223.173 ug/L	93
61) o-xylene	16.96	106	3161486	291.446 ug/L	91
62) styrene	17.00	104	5375532	266.358 ug/L	94
63) bromoform	17.41	173	1719055	420.844 ug/L #	98
67) bromobenzene	17.92	156	2279948	266.784 ug/L	98
68) 1,1,2,2-tetrachloroethane	17.58	83	2722869	293.775 ug/L	100
69) 1,2,3-trichloropropane	17.76	110	772850	295.026 ug/L	100
71) n-propylbenzene	17.84	91	6936218	255.351 ug/L	92
72) 2-chlorotoluene	18.05	91	5926973	271.846 ug/L	98
73) 4-chlorotoluene	18.11	91	5129324	242.368 ug/L	95
74) 1,3,5-trimethylbenzene	18.02	105	5137429	295.726 ug/L	98
75) tert-butylbenzene	18.42	119	4343607m	304.849 ug/L	
76) 1,2,4-trimethylbenzene	18.46	105	5264540	278.415 ug/L	96
77) sec-butylbenzene	18.65	105	5471337	284.510 ug/L	96
78) 1,3-dichlorobenzeneV	18.91	146	3263810	255.787 ug/L	96
79) p-isopropyltoluene	18.78	119	4772777	298.007 ug/L	98
80) 1,4-dichlorobenzeneV	19.02	146	3259168	238.415 ug/L	97
81) 1,2-dichlorobenzeneV	19.39	146	3218143	240.159 ug/L	97
82) n-butylbenzene	19.19	91	4287913	279.761 ug/L	95
84) 1,2-dibromo-3-chloropropan	20.10	75	516762	470.005 ug/L	99
85) 1,3,5-trichlorobenzV	20.31	180	2056871	276.924 ug/L	97
86) 1,2,4-trichlorobenzV	20.96	180	1902667	308.514 ug/L	99
87) hexachlorobutadieneV	21.09	225	1006199	275.790 ug/L	99
88) naphthaleneV	21.26	128	4861181	389.283 ug/L	97
89) 1,2,3-trichlorobenzV	21.53	180	1717704	324.466 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072321.D Vial: 21
Acq On : 23 Jul 2010 7:55 pm Operator: KJP
Sample : 300 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:17 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072307.D Vial: 7
Acq On : 23 Jul 2010 11:08 am Operator: KJP
Sample : 50 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:09:14 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 12:08:55 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	329839	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	241945	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	103212	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	0.00	111	0d	0.00	ug/L	
Spiked Amount 10.000	Range 80 - 120		Recovery = 0.00%#			
35) SS 1,2-DCA-d4_MS	10.55	65	101727	9.69	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.89%			
48) SS toluene-d8_MS	14.13	98	320542	10.13	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.32%			
65) SS 4-BFB_MS	17.68	95	116568	9.84	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.39%			
83) SS 1,2-DCB-D4_MS	19.35	152	98154	10.08	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.78%			
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	2.56	85	532225	57.826	ug/L	99
3) chloromethane	2.87	50	450472	15983.078	ug/L	100
4) vinyl chloride	2.99	62	259434	37.160	ug/L	96
5) bromomethane	3.58	94	202343	87.186	ug/L	99
6) chloroethane	3.68	64	263543	56.227	ug/L	99
7) trichlorofluoromethane	4.02	101	622577	61.419	ug/L	98
10) acrolein	4.68	56	54310	21284.498	ug/L	100
22) vinyl acetate	7.34	43	767530	35751.927	ug/L	100
44) 2-Chloroethoxyethene	13.41	63	286334	29762.471	ug/L	98

14Dioxane area = 5475

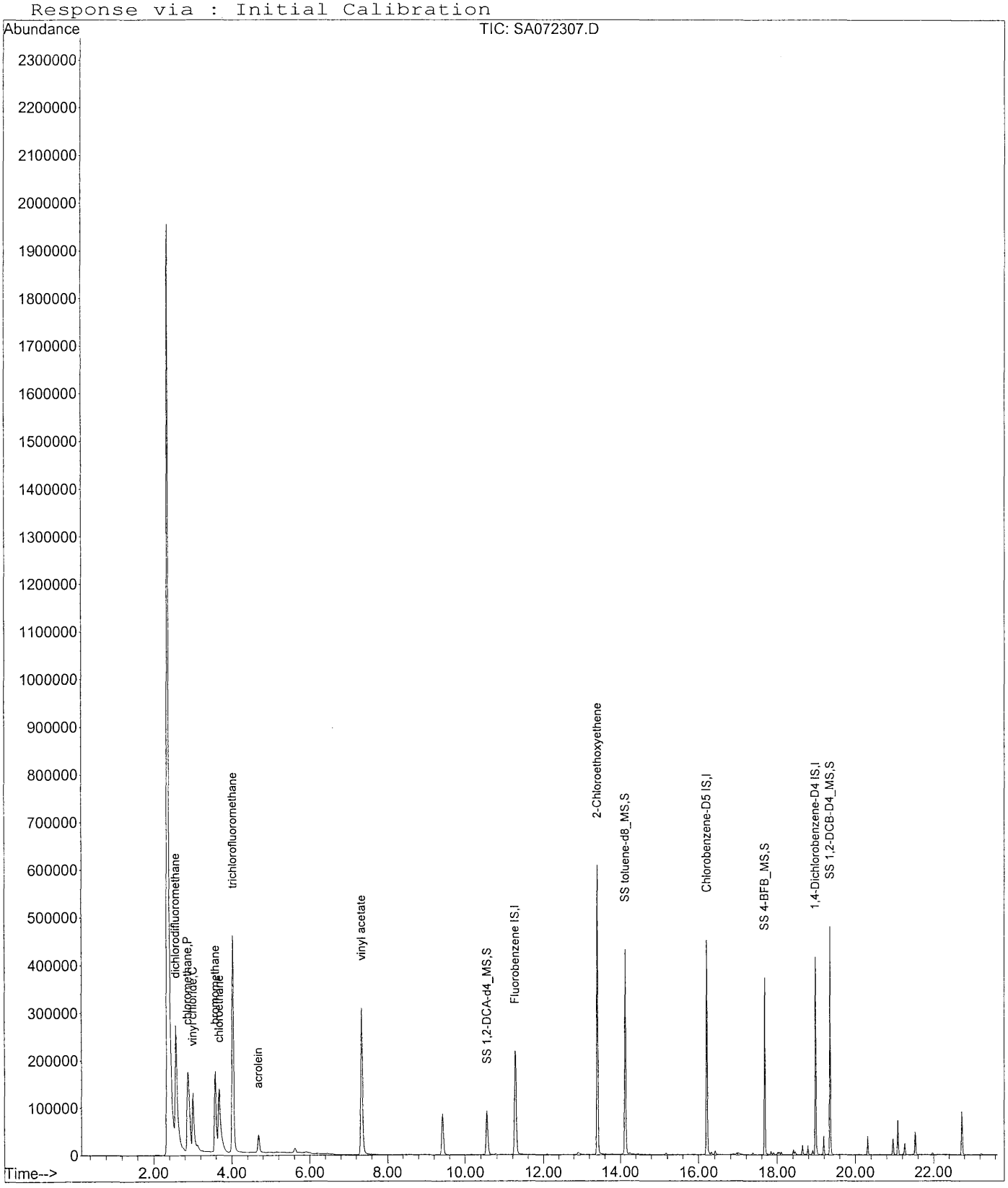
8/31/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072307.D Vial: 7
Acq On : 23 Jul 2010 11:08 am Operator: KJP
Sample : 50 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:10 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072308.D Vial: 8
Acq On : 23 Jul 2010 11:56 am Operator: KJP
Sample : 100 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:34:41 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 12:11:27 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

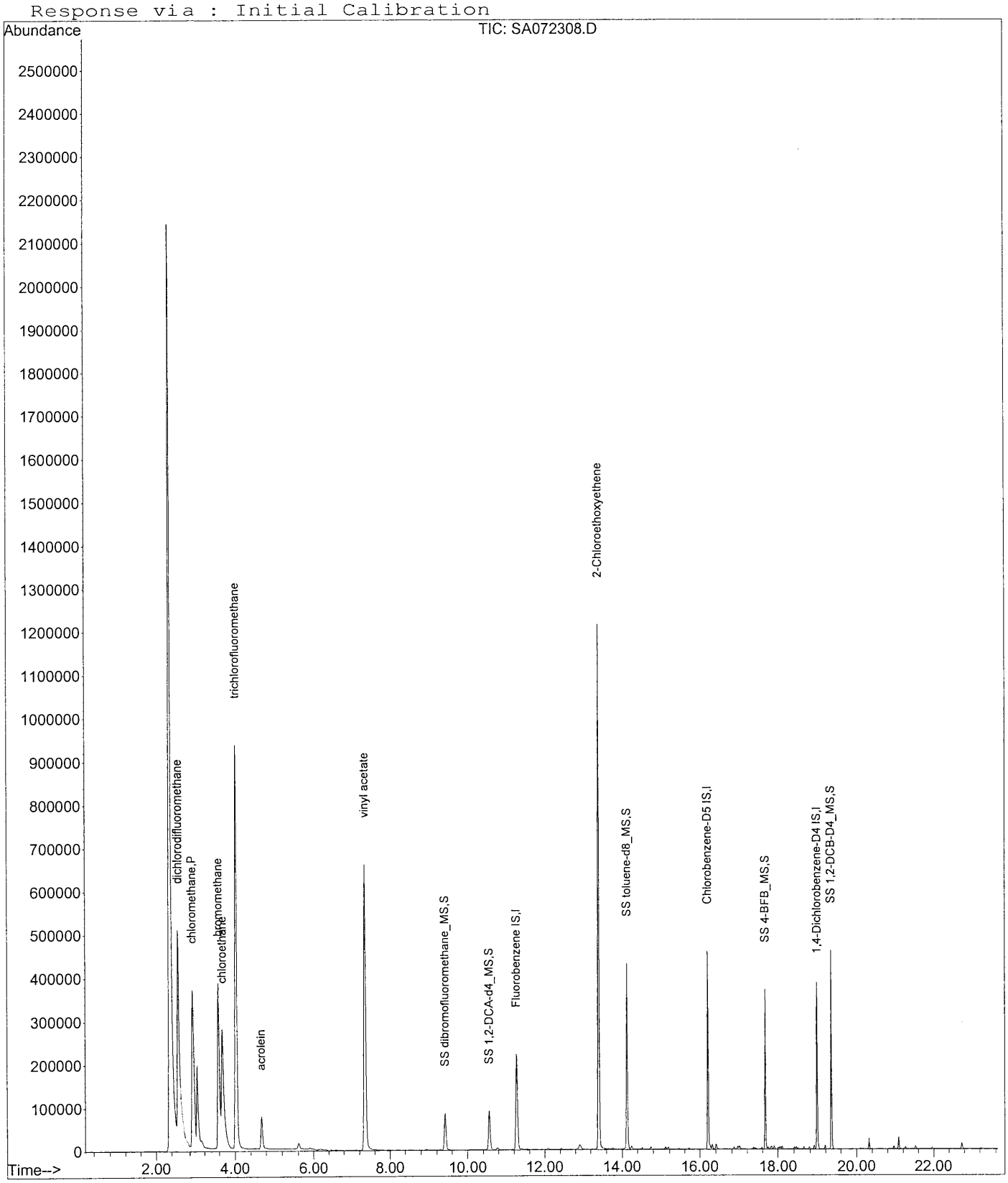
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	331781	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	245472	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	98673	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	83354	9.40	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.01%			
35) SS 1,2-DCA-d4_MS	10.55	65	102263	9.74	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.44%			
48) SS toluene-d8_MS	14.13	98	322828	10.03	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.31%			
65) SS 4-BFB_MS	17.68	95	114946	9.59	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.94%			
83) SS 1,2-DCB-D4_MS	19.35	152	94712	10.16	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.56%			
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	2.56	85	1065348	106.720	ug/L	99
3) chloromethane	2.87	50	927928	105.641	ug/L	100
5) bromomethane	3.58	94	478074	149.278	ug/L	98
6) chloroethane	3.68	64	544098	108.639	ug/L	99
7) trichlorofluoromethane	4.02	101	1273181	112.070	ug/L	99
10) acrolein	4.68	56	109390	199.770	ug/L	99
22) vinyl acetate	7.34	43	1659781	214.684	ug/L	99
44) 2-Chloroethoxyethene	13.41	63	579683	200.927	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072308.D Vial: 8
Acq On : 23 Jul 2010 11:56 am Operator: KJP
Sample : 100 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:18 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072313.D Vial: 13
Acq On : 23 Jul 2010 3:05 pm Operator: KJP
Sample : 200 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 15:38:05 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 15:37:59 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

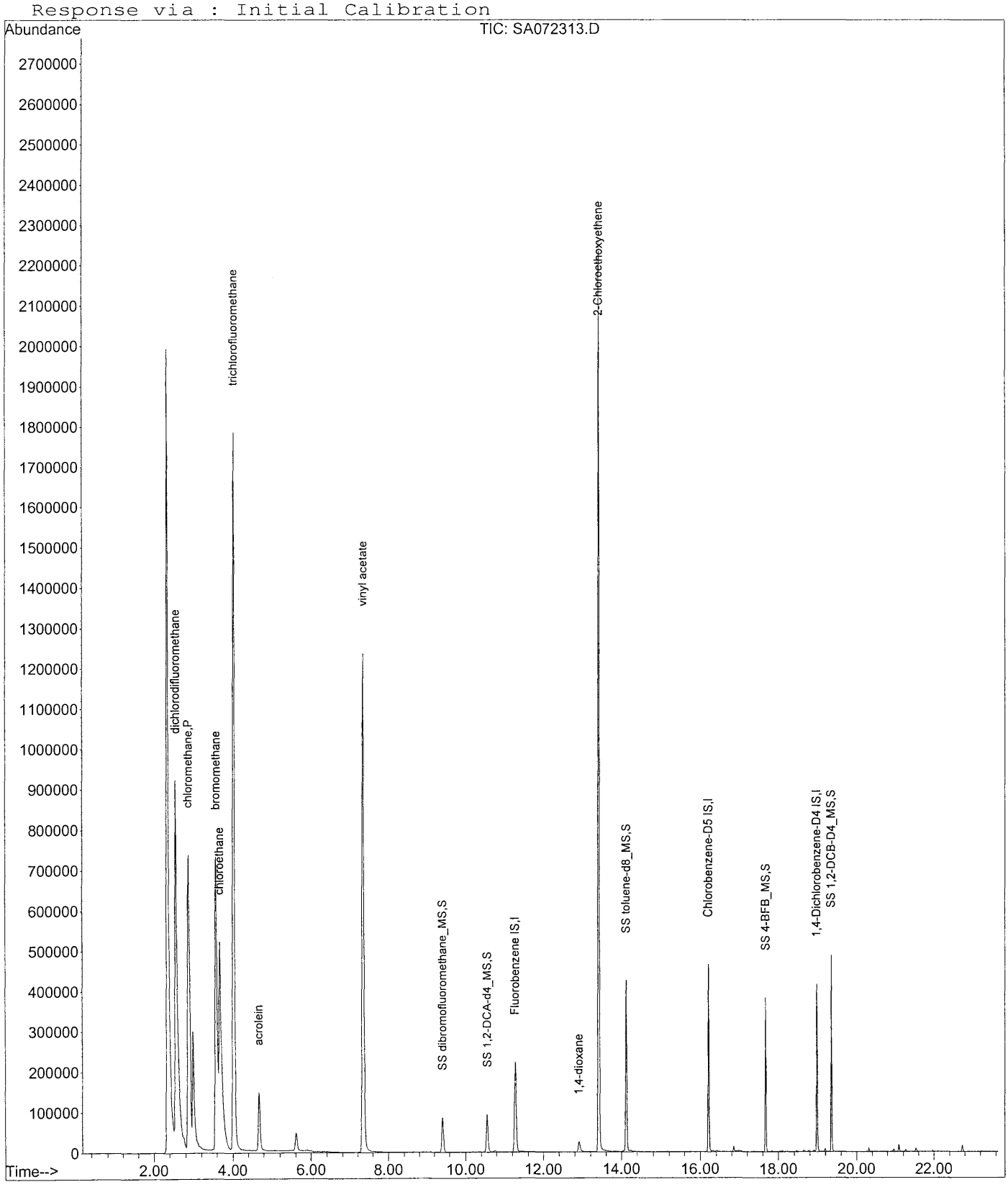
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	339708	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	250368	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	103657	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	85807	9.62	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.19%			
35) SS 1,2-DCA-d4_MS	10.55	65	104215	9.71	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.11%			
48) SS toluene-d8_MS	14.13	98	326174	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.80%			
65) SS 4-BFB_MS	17.68	95	118018	9.59	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.88%			
83) SS 1,2-DCB-D4_MS	19.35	152	97875	10.04	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.42%			
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	2.56	85	2089407	211.629	ug/L	100
3) chloromethane	2.87	50	1834622	202.851	ug/L	99
5) bromomethane	3.58	94	1021665	227.278	ug/L	99
6) chloroethane	3.67	64	1054036	206.417	ug/L	99
7) trichlorofluoromethane	4.02	101	2474290	213.419	ug/L	99
10) acrolein	4.68	56	215133	212.848	ug/L	100
22) vinyl acetate	7.34	43	3196961	261.775	ug/L	99
41) 1,4-dioxane	12.90	88	30812	497.527	ug/L #	81
44) 2-Chloroethoxyethene	13.41	63	1174723	258.297	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072313.D Vial: 13
Acq On : 23 Jul 2010 3:05 pm Operator: KJP
Sample : 200 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:18 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



8260B
Volatile Organic Analysis

Batch QC

IS/SS ID= V-3664 (refilled IS/SS) COPY

Standard ID= V-3661A

Analyst: WP

Gas Standard ID= V-36676 (W) 67 (W)

LCS/LCSD and/or MS/MSD Standard ID= V-3658(L) V-3677(LG)

Date: 8/19/2010 60 (WP) Changed the tank

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA081901	Blank					VOCMS		↑BFB(W) EM volts 2clicks 1282 to 1386		✓
2	02	BFB					VOCMS		Autofind BFB Acetone (WP) FB 329296		✓
3	03	STD 20M					VOCMS	4VID0723	FB 329296 ↓Acetone		✓
4	04	STD 20G					VOCMS		FB 327914 ↓14D, 2CEVE, BM		✓
5	05	STD 2					VOCMS		ok		✓
6	06	MB					VOCMS		in control		✓
7	07	~~91943.06(W)~~	✓	✓		X1	VOCMS		9175331, TAME only		
8	08	91943.07		✓		X1	VOCMS		8260 BRX1 iso-pb		
9	09	91943.08		✓		X1	VOCMS				
10	10	91943.09		✓		X1	VOCMS		BRX1 iso-pb		
11	11	91943.06		✓		X1	VOCMS				
12	12	91943.11		✓		X1	VOCMS		TB 8/4/10 9:05		
13	13	91966.04		✓		X1	VOCMS		8260		
14	14	91966.01		✓		X1	VOCMS				
15	15	91966.03		✓		X2	VOCMS		BRX2 for acetone, BM		
16	16	91966.02		✓		X10	VOCMS		BRX1		
17	17	LCS					VOCMS		↑DCDFM, Freon113, 14Dioxane, ↓2CEVE		✓
18	18	LCSd					VOCMS		↑DCDFM, Freon113, 14D, iso-pb ↓2CEVE		✓
19	19	~~LCS~~ 92033.01 MS		✓		X1	VOCMS		624, TCE only 92033.01-MS		
20	20	~~LCSd~~ (WP) 92033.01 MSD		✓		X1	VOCMS		92033.01-MSD		
21	21	92033.02		✓		X1	VOCMS		624 TCE only no data		
22	22	92033.01		✓		X1	VOCMS				
23	23	92033.08		✓		X1	VOCMS				
24	24	.04		✓		X1	VOCMS				
25	25	.05		✓		X1	VOCMS				
26	26	.06		✓		X1	VOCMS				
27	27	.09		✓		X1	VOCMS				
28	28	.10		✓		X1	VOCMS				
29	29	.11		✓		X1	VOCMS				
30	30	.07		✓		X5	VOCMS				
31	31	.03		✓		X10	VOCMS				
							VOCMS				
							VOCMS				
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							VOCMS				
							VOCMS				
							VOCMS				

Don't Dilute Stock Vial (WP) 8/20/10

8/19/10 (WP)

Samples removed from autosampler, order and pH verified by WP 8/23/10

GC/MS QA-QC Check Report

Tune File : Y:\1\DATA\AUG1910\SA081902.D
Tune Time : 19 Aug 2010 8:50 am

Daily Calibration File : Y:\1\DATA\AUG1910\SA081903.D

						329296	252401	115085

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA081903.D	STD 20 M	111	99	98	101	329296	252401	115085
		100	35*					
SA081904.D	STD 20 G	106	100	101	94	327914	241452	100331
		105	10*					
SA081905.D	STD 2	105	101	103	103	330892	238224	107368
		101	14*					
SA081906.D	MB	108	104	99	94	312622	236293	98311
		107	11*					
SA081907.D	91753.31	104	102	101	94	319566	237864	98824
		108	10*					
SA081908.D	91943.07	105	99	99	99	328688	243378	104435
		103	0*					
SA081909.D	91943.08	107	106	98	91	309443	238216	95092
		110	0*					
SA081910.D	91943.09	109	102	101	100	316950	233427	101322
		110	0*					
SA081911.D	91943.06	108	104	97	90	308978	234334	95977
		106	0*					
SA081912.D	91943.11	110	104	100	92	299616	229389	96355
		107	0*					
SA081913.D	91966.04	110	109	100	92	299746	229298	93429
		107	0*					
SA081914.D	91966.01	108	104	98	93	298901	228979	94938
		107	0*					
SA081915.D	91966.03	107	106	97	99	318795	256891	106901
		101	0*					
SA081916.D	91966.02	105	102	102	95	320360	253610	105432
		105	0*					
SA081917.D	LCS	107	103	101	106	328697	248056	115396
		96	0*					
SA081918.D	LCSD	106	101	101	105	337365	252277	116997
		103	10*					

t - fails 12hr time check * - fails criteria

Created: Mon Aug 30 13:26:35 2010 VOAMS4

BFB

Data File : Y:\1\DATA\AUG1910\SA081902.D
Acq On : 19 Aug 2010 8:50 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: RTEINT.P

Vial: 2
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane

AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1527

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	8664	PASS
75	95	30	60	44.0	22622	PASS
95	95	100	100	100.0	51373	PASS
96	95	5	9	6.9	3559	PASS
173	174	0.00	2	0.7	287	PASS
174	95	50	100	84.2	43266	PASS
175	174	5	9	7.2	3126	PASS
176	174	95	101	97.2	42050	PASS
177	176	5	9	6.7	2803	PASS

SA081902.D 4VID0723.M Mon Aug 30 13:15:09 2010

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG1910\SA081903.D Vial: 3
Acq On : 19 Aug 2010 9:26 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	98	0.00
2		dichlorodifluoromethane	-1.000	0.000	0.0	0	-2.56#
3	P	chloromethane	-1.000	0.064	0.0	0	0.01
4	C	vinyl chloride	-1.000	0.000	0.0	0	-2.99#
5		bromomethane	-1.000	0.326	0.0	0	0.03
6		chloroethane	-1.000	0.015	0.0	0	0.02
7		trichlorofluoromethane	-1.000	0.000	0.0	0	-4.02#
8		diethyl ether	20.000	19.217	3.9	92	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	20.588	-2.9	109	0.00
10		acrolein	-1.000	0.000	0.0	0	-4.68#
11		acetone	20.000	15.790	21.1#	80	0.01
12	MC	1,1-dichloroethene	20.000	20.872	-4.4#	106	0.00
13		tert-Butyl Alcohol (TBA)	100.000	90.870	9.1	87	0.00
14		iodomethane	20.000	0.000	100.0#	0	-5.56#
15		methylene chloride	20.000	20.485	-2.4	101	0.00
16		carbon disulfide	20.000	20.896	-4.5	102	0.00
17		acrylonitrile	20.000	19.139	4.3	89	0.00
18		Methyl-t-butyl ether (MTBE)	40.000	40.589	-1.5	95	0.00
19		trans-1,2-dichloroethene	20.000	19.201	4.0	92	0.01
20		hexane	20.000	18.358	8.2	104	0.00
21		Isopropyl ether (DIPE)	20.000	19.017	4.9	89	0.01
22		vinyl acetate	-1.000	0.000	0.0	0	-7.34#
23	P	1,1-dichloroethane	20.000	20.278	-1.4	100	0.00
24		Ethyl-t-butyl ether (ETBE)	20.000	19.115	4.4	92	0.01
25		2,2-dichloropropane	20.000	19.199	4.0	107	0.00
26		cis-1,2-dichloroethene	20.000	21.019	-5.1	100	0.00
27		2-butanone (MEK)	20.000	16.781	16.1	84	0.00
28		bromochloromethane	20.000	21.290	-6.4	102	0.00
29		Tetrahydrofuran (THF)	20.000	16.772	16.1	84	0.01
30	C	chloroform	20.000	21.408	-7.0	106	0.00
31	S	SS dibromofluoromethane_MS	10.000	11.054	-10.5	109	0.00
32		1,1,1-trichloroethane	20.000	21.452	-7.3	111	0.00
33		carbon tetrachloride	20.000	21.357	-6.8	123	-0.01
34		1,1-dichloropropene	20.000	20.074	-0.4	104	0.00
35	S	SS 1,2-DCA-d4_MS	10.000	9.941	0.6	97	0.00
36		tert-amyl methyl ether (TAM	20.000	19.983	0.1	99	0.00
37	M	benzene	20.000	21.642	-8.2	100	0.00
38		1,2-dichloroethane	20.000	20.139	-0.7	96	0.00
39	M	trichloroethene	20.000	21.006	-5.0	105	0.00
40	C	1,2-dichloropropane	20.000	20.064	-0.3	96	0.00
41		1,4-dioxane	40.000	0.000	100.0#	0	-12.93#
42		dibromomethane	20.000	20.906	-4.5	99	0.00
43		bromodichloromethane	20.000	20.272	-1.4	105	0.00
44		2-Chloroethoxyethene	-1.000	2.989	0.0	0	-13.40#
45		4-methyl-2-pentanone (MIBK)	20.000	16.933	15.3	82	0.00
46		cis-1,3-dichloropropene	20.000	20.835	-4.2	98	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	101	0.00
48	S	SS toluene-d8_MS	10.000	9.831	1.7	99	0.00
49	MC	toluene	20.000	21.962	-9.8	103	0.00
50		trans-1,3-dichloropropene	20.000	18.512	7.4	97	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG1910\SA081903.D Vial: 3
Acq On : 19 Aug 2010 9:26 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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)
51		1,1,2-trichloroethane	20.000	20.378	-1.9	100	0.00
52		2-hexanone	20.000	17.161	14.2	86	0.00
53		tetrachloroethene	20.000	22.124	-10.6	114	0.01
54		1,3-dichloropropane	20.000	20.277	-1.4	97	0.01
55		dibromochloromethane	20.000	21.922	-9.6	108	0.00
56		1,2-dibromoethane	20.000	20.974	-4.9	101	0.00
57	MP	chlorobenzene	20.000	21.228	-6.1	104	0.00
58		1,1,1,2-tetrachloroethane	20.000	23.430	-17.1	110	0.00
59	C	ethylbenzene	20.000	22.743	-13.7	105	0.00
60		mp-xylene	40.000	45.590	-14.0	104	0.00
61		o-xylene	20.000	22.052	-10.3	102	0.01
62		styrene	20.000	22.352	-11.8	101	0.00
63	P	bromoform	20.000	20.677	-3.4	116	0.00
64		iso-propylbenzene	20.000	22.144	-10.7	107	0.00
65	S	SS 4-BFB_MS	10.000	10.056	-0.6	100	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	104	0.01
67		bromobenzene	20.000	20.837	-4.2	103	0.00
68	P	1,1,2,2-tetrachloroethane	20.000	19.235	3.8	97	0.01
69		1,2,3-trichloropropane	20.000	19.151	4.2	97	0.00
70		t-1,4-dichloro-2-butene	20.000	0.000	100.0#	0	0.03
71		n-propylbenzene	20.000	21.292	-6.5	107	0.00
72		2-chlorotoluene	20.000	20.572	-2.9	104	0.00
73		4-chlorotoluene	20.000	20.963	-4.8	103	0.01
74		1,3,5-trimethylbenzene	20.000	21.676	-8.4	106	0.01
75		tert-butylbenzene	20.000	21.775	-8.9	108	0.00
76		1,2,4-trimethylbenzene	20.000	21.610	-8.0	104	0.00
77		sec-butylbenzene	20.000	21.589	-7.9	108	0.00
78		1,3-dichlorobenzeneV	20.000	20.624	-3.1	104	0.00
79		p-isopropyltoluene	20.000	22.138	-10.7	109	0.00
80		1,4-dichlorobenzeneV	20.000	20.966	-4.8	106	0.00
81		1,2-dichlorobenzeneV	20.000	20.609	-3.0	104	0.00
82		n-butylbenzene	20.000	21.602	-8.0	107	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	10.023	-0.2	104	0.00
84		1,2-dibromo-3-chloropropane	20.000	18.522	7.4	98	0.00
85		1,3,5-trichlorobenzV	20.000	20.954	-4.8	108	0.00
86		1,2,4-trichlorobenzV	20.000	20.279	-1.4	102	0.00
87		hexachlorobutadieneV	20.000	19.854	0.7	110	0.00
88		naphthaleneV	20.000	18.542	7.3	91	0.00
89		1,2,3-trichlorobenzV	20.000	18.132	9.3	90	0.01
90	S	SS 2,5-DBT_MS	20.000	14.191	29.0#	68	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG1910\SA081904.D Vial: 4
Acq On : 19 Aug 2010 10:02 am Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	98	0.00
2		dichlorodifluoromethane	20.000	21.751	-8.8	110	0.00
3	P	chloromethane	20.000	19.310	3.5	94	0.00
4	C	vinyl chloride	20.000	19.836	0.8	117	0.00
5		bromomethane	20.000	12.356	38.2#	62	0.00
6		chloroethane	20.000	20.084	-0.4	98	0.01
7		trichlorofluoromethane	20.000	22.781	-13.9	114	0.00
8		diethyl ether	-1.000	0.000	0.0	0	-4.47#
9		1,1,2-Trichlorotrifluoroeth	-1.000	0.000	0.0	0	-4.69#
10		acrolein	20.000	7.648	61.8#	39	0.00
11		acetone	-1.000	0.000	0.0	0	-4.79#
12	MC	1,1-dichloroethene	-1.000	0.000	0.0	0	-5.00#
13		tert-Butyl Alcohol (TBA)	-1.000	0.000	0.0	0	-5.15#
14		iodomethane	-1.000	0.000	0.0	0	-5.56#
15		methylene chloride	-1.000	0.000	0.0	0	-5.89#
16		carbon disulfide	-1.000	0.000	0.0	0	-5.91#
17		acrylonitrile	-1.000	0.000	0.0	0	-6.14#
18		Methyl-t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-6.18#
19		trans-1,2-dichloroethene	-1.000	0.000	0.0	0	-6.45#
20		hexane	-1.000	0.000	0.0	0	-6.58#
21		Isopropyl ether (DIPE)	-1.000	0.000	0.0	0	-7.10#
22		vinyl acetate	20.000	17.730	11.3	96	0.00
23	P	1,1-dichloroethane	-1.000	0.000	0.0	0	-7.32#
24		Ethyl-t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-7.96#
25		2,2-dichloropropane	-1.000	0.000	0.0	0	-8.50#
26		cis-1,2-dichloroethene	-1.000	0.000	0.0	0	-8.60#
27		2-butanone (MEK)	-1.000	0.000	0.0	0	-8.23#
28		bromochloromethane	-1.000	0.000	0.0	0	-9.29#
29		Tetrahydrofuran (THF)	-1.000	0.000	0.0	0	-9.38#
30	C	chloroform	-1.000	0.000	0.0	0	-8.94#
31	S	SS dibromofluoromethane_MS	10.000	10.594	-5.9	104	0.00
32		1,1,1-trichloroethane	-1.000	0.000	0.0	0	-9.81#
33		carbon tetrachloride	-1.000	0.000	0.0	0	-10.38#
34		1,1-dichloropropene	-1.000	0.000	0.0	0	-10.17#
35	S	SS 1,2-DCA-d4_MS	10.000	10.018	-0.2	97	0.00
36		tert-amyl methyl ether (TAM	-1.000	0.000	0.0	0	-10.46#
37	M	benzene	-1.000	0.000	0.0	0	-10.78#
38		1,2-dichloroethane	-1.000	0.000	0.0	0	-10.77#
39	M	trichloroethene	-1.000	0.000	0.0	0	-12.09#
40	C	1,2-dichloropropane	-1.000	0.000	0.0	0	-12.44#
41		1,4-dioxane	40.000	28.766	28.1#	61	-0.01
42		dibromomethane	-1.000	0.000	0.0	0	-12.94#
43		bromodichloromethane	-1.000	0.000	0.0	0	-12.85#
44		2-Chloroethoxyethene	20.000	15.583	22.1#	73	0.00
45		4-methyl-2-pentanone (MIBK)	-1.000	0.000	0.0	0	-13.45#
46		cis-1,3-dichloropropene	-1.000	0.000	0.0	0	-13.76#
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	97	0.00
48	S	SS toluene-d8_MS	10.000	10.125	-1.3	98	0.00
49	MC	toluene	-1.000	0.000	0.0	0	-14.24#
50		trans-1,3-dichloropropene	-1.000	0.000	0.0	0	-14.52#
51		1,1,2-trichloroethane	-1.000	0.000	0.0	0	-14.74#
52		2-hexanone	-1.000	0.000	0.0	0	-14.76#
53		tetrachloroethene	-1.000	0.000	0.0	0	-15.16#
54		1,3-dichloropropane	-1.000	0.000	0.0	0	-15.10#
55		dibromochloromethane	-1.000	0.000	0.0	0	-15.45#
56		1,2-dibromoethane	-1.000	0.000	0.0	0	-15.72#

57	MP	chlorobenzene	-1.000	0.000	0.0	0	-16.26#
58		1,1,1,2-tetrachloroethane	-1.000	0.000	0.0	0	-16.31#
59	C	ethylbenzene	-1.000	0.000	0.0	0	-16.32#
60		mp-xylene	-1.000	0.000	0.0	0	-16.41#
61		o-xylene	-1.000	0.000	0.0	0	-16.95#
62		styrene	-1.000	0.000	0.0	0	-16.99#
63	P	bromoform	-1.000	0.000	0.0	0	-17.41#
64		iso-propylbenzene	-1.000	0.000	0.0	0	-17.37#
65	S	SS 4-BFB_MS	10.000	9.409	5.9	90	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	90	0.01
67		bromobenzene	-1.000	0.000	0.0	0	-17.90#
68	P	1,1,2,2-tetrachloroethane	-1.000	0.000	0.0	0	-17.57#
69		1,2,3-trichloropropane	-1.000	0.000	0.0	0	-17.74#
70		t-1,4-dichloro-2-butene	-1.000	0.000	0.0	0	-17.81#
71		n-propylbenzene	-1.000	0.000	0.0	0	-17.84#
72		2-chlorotoluene	-1.000	0.000	0.0	0	-18.05#
73		4-chlorotoluene	-1.000	0.000	0.0	0	-18.10#
74		1,3,5-trimethylbenzene	-1.000	0.000	0.0	0	-18.01#
75		tert-butylbenzene	-1.000	0.000	0.0	0	-18.42#
76		1,2,4-trimethylbenzene	-1.000	0.000	0.0	0	-18.46#
77		sec-butylbenzene	-1.000	0.000	0.0	0	-18.65#
78		1,3-dichlorobenzeneV	-1.000	0.000	0.0	0	-18.91#
79		p-isopropyltoluene	-1.000	0.000	0.0	0	-18.78#
80		1,4-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.01#
81		1,2-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.38#
82		n-butylbenzene	-1.000	0.000	0.0	0	-19.19#
83	S	SS 1,2-DCB-D4_MS	10.000	10.469	-4.7	94	0.00
84		1,2-dibromo-3-chloropropane	-1.000	3.950	0.0	0	-20.10#
85		1,3,5-trichlorobenzV	-1.000	0.000	0.0	0	-20.31#
86		1,2,4-trichlorobenzV	-1.000	0.000	0.0	0	-20.96#
87		hexachlorobutadieneV	-1.000	0.000	0.0	0	-21.09#
88		naphthaleneV	-1.000	0.000	0.0	0	-21.26#
89		1,2,3-trichlorobenzV	-1.000	0.000	0.0	0	-21.52#
90	S	SS 2,5-DBT_MS	-1.000	4.124	0.0	0	-22.73#

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

SA072312.D 4VID0723.M Mon Aug 30 13:56:36 2010

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG1910\SA081903.D Vial: 3
Acq On : 19 Aug 2010 9:26 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 19 09:59:29 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	329296	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	252401	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	115085	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	95584	11.05	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.54%			
35) SS 1,2-DCA-d4_MS	10.55	65	102765	9.94	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.41%			
48) SS toluene-d8_MS	14.12	98	324310	9.83	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.31%			
65) SS 4-BFB_MS	17.68	95	125360	10.06	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.56%			
83) SS 1,2-DCB-D4_MS	19.35	152	108068	10.02	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.23%			
90) SS 2,5-DBT_MS	22.73	250	22084	14.19	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 35.48%#			
Target Compounds						Qvalue
5) bromomethane	3.61	94	1580	0.326	ug/L #	47
8) diethyl ether	4.47	59	92491	19.217	ug/L	94
9) 1,1,2-Trichlorotrifluoroet	4.69	101	75238	20.588	ug/L	99
11) acetone	4.80	43	33061	15.790	ug/L	96
12) 1,1-dichloroethene	5.00	96	121547	20.872	ug/L	94
13) tert-Butyl Alcohol (TBA)	5.15	59	45100	90.870	ug/L	97
15) methylene chloride	5.89	84	150825	20.485	ug/L	91
16) carbon disulfide	5.90	76	399284	20.896	ug/L	99
17) acrylonitrile	6.14	53	53494	19.139	ug/L	98
18) Methyl-t-butyl ether (MTBE	6.18	73	641953	40.589	ug/L	98
19) trans-1,2-dichloroethene	6.46	96	151613	19.201	ug/L	96
20) hexane	6.58	57	35610	18.358	ug/L	93
21) Isopropyl ether (DIPE)	7.11	45	492748	19.017	ug/L	98
23) 1,1-dichloroethane	7.32	63	319091	20.278	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.97	59	410477	19.115	ug/L	97
25) 2,2-dichloropropane	8.50	77	196593	19.199	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	191777	21.019	ug/L	98
27) 2-butanone (MEK)	8.23	43	58301	16.781	ug/L	98
28) bromochloromethane	9.30	128	94929	21.290	ug/L	91
29) Tetrahydrofuran (THF)	9.39	42	33200	16.772	ug/L	98
30) chloroform	8.94	83	329532	21.408	ug/L	98
32) 1,1,1-trichloroethane	9.81	97	247502	21.452	ug/L	98
33) carbon tetrachloride	10.37	117	210534	21.357	ug/L	99
34) 1,1-dichloropropene	10.17	75	207922	20.074	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	329262	19.983	ug/L	97
37) benzene	10.78	78	682650	21.642	ug/L	98
38) 1,2-dichloroethane	10.77	62	250049	20.139	ug/L	98
39) trichloroethene	12.09	95	175644	21.006	ug/L	98
40) 1,2-dichloropropane	12.44	63	185294	20.064	ug/L	97
42) dibromomethane	12.94	93	118506	20.906	ug/L	97
43) bromodichloromethane	12.85	83	239840	20.272	ug/L	99
45) 4-methyl-2-pentanone (MIBK	13.45	58	46987	16.933	ug/L	96
46) cis-1,3-dichloropropene	13.76	75	259184	20.835	ug/L	100
49) toluene	14.24	91	705020	21.962	ug/L	99
50) trans-1,3-dichloropropene	14.52	75	229736	18.512	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG1910\SA081903.D Vial: 3
Acq On : 19 Aug 2010 9:26 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 19 09:59:29 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

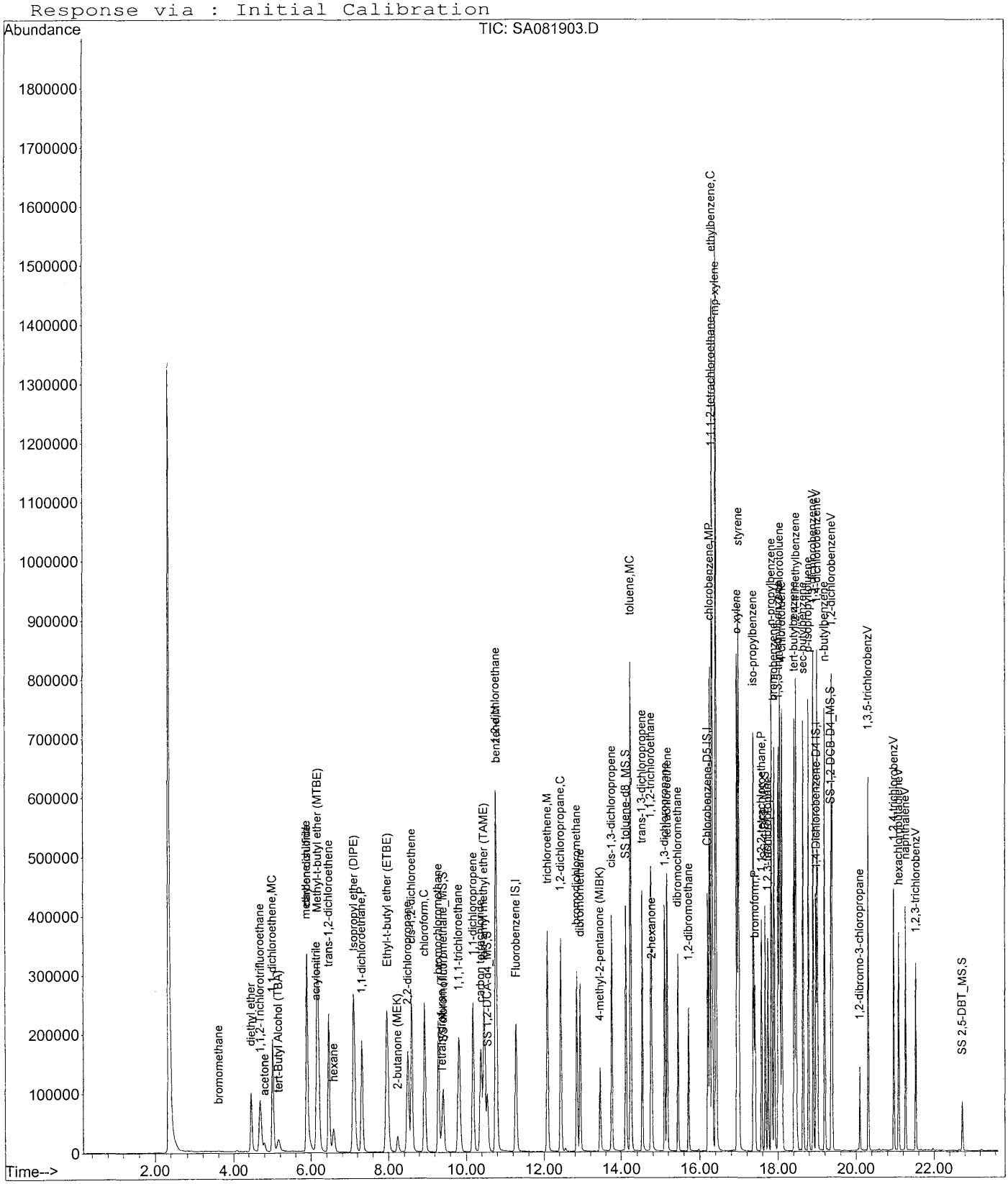
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	1,1,2-trichloroethane	14.74	83	139724	20.378	ug/L		99
52)	2-hexanone	14.76	43	85598	17.161	ug/L		97
53)	tetrachloroethene	15.18	166	159384	22.124	ug/L		99
54)	1,3-dichloropropane	15.11	76	264352	20.277	ug/L		98
55)	dibromochloromethane	15.45	129	174744	21.922	ug/L		99
56)	1,2-dibromoethane	15.72	107	161858	20.974	ug/L		100
57)	chlorobenzene	16.26	112	469551	21.228	ug/L		96
58)	1,1,1,2-tetrachloroethane	16.31	131	166473	23.430	ug/L		99
59)	ethylbenzene	16.32	91	707976	22.743	ug/L		100
60)	mp-xylene	16.41	106	519240	45.590	ug/L		98
61)	o-xylene	16.96	106	259148	22.052	ug/L		99
62)	styrene	16.99	104	482213	22.352	ug/L		97
63)	bromoform	17.41	173	113605	20.677	ug/L	#	98
64)	iso-propylbenzene	17.37	105	488212	22.144	ug/L		99
67)	bromobenzene	17.90	156	195036	20.837	ug/L		96
68)	1,1,2,2-tetrachloroethane	17.58	83	198258	19.235	ug/L		99
69)	1,2,3-trichloropropane	17.74	110	54323	19.151	ug/L		98
71)	n-propylbenzene	17.84	91	635954	21.292	ug/L		99
72)	2-chlorotoluene	18.05	91	500062	20.572	ug/L		99
73)	4-chlorotoluene	18.11	91	480760	20.963	ug/L		98
74)	1,3,5-trimethylbenzene	18.02	105	431126	21.676	ug/L		99
75)	tert-butylbenzene	18.42	119	358143m	21.775	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	464100	21.610	ug/L		98
77)	sec-butylbenzene	18.65	105	471321	21.589	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	288037	20.624	ug/L		98
79)	p-isopropyltoluene	18.78	119	406809	22.138	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	306672	20.966	ug/L		98
81)	1,2-dichlorobenzeneV	19.38	146	295312	20.609	ug/L		98
82)	n-butylbenzene	19.19	91	371797	21.602	ug/L		99
84)	1,2-dibromo-3-chloropropan	20.10	75	26442	18.522	ug/L		96
85)	1,3,5-trichlorobenzV	20.31	180	173112	20.954	ug/L		97
86)	1,2,4-trichlorobenzV	20.96	180	142626	20.279	ug/L		99
87)	hexachlorobutadieneV	21.09	225	79224	19.854	ug/L		99
88)	naphthaleneV	21.26	128	292041	18.542	ug/L		100
89)	1,2,3-trichlorobenzV	21.53	180	110400	18.132	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG1910\SA081903.D Vial: 3
Acq On : 19 Aug 2010 9:26 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 12:35 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG1910\SA081904.D Vial: 4
Acq On : 19 Aug 2010 10:02 am Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 19 10:31:59 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

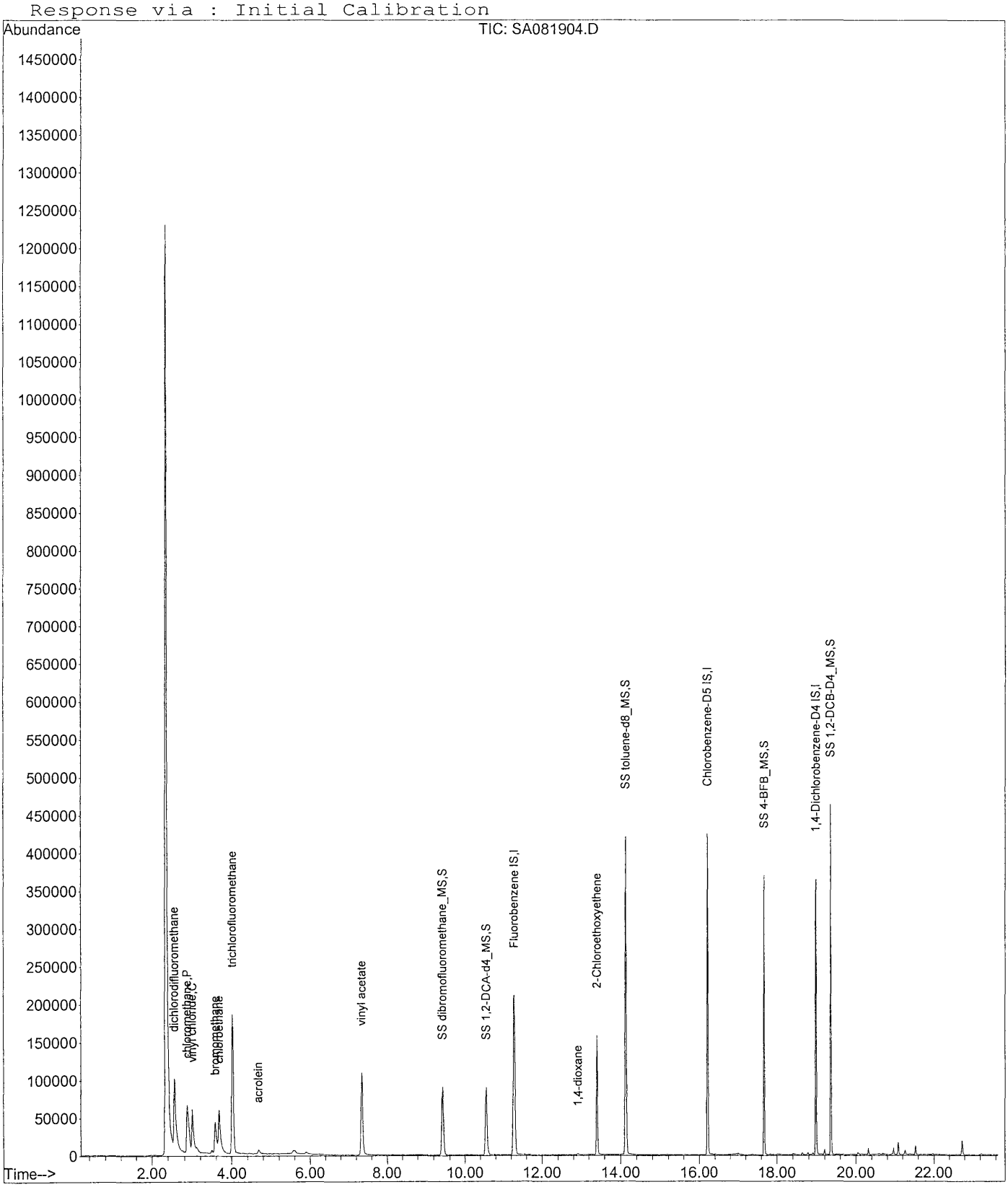
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	327914	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	241452	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	100331	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	91218	10.59	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.94%			
35) SS 1,2-DCA-d4_MS	10.55	65	103132	10.02	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.18%			
48) SS toluene-d8_MS	14.12	98	319530	10.13	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.25%			
65) SS 4-BFB_MS	17.68	95	112212	9.41	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 94.09%			
83) SS 1,2-DCB-D4_MS	19.35	152	98408	10.47	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.69%			
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	2.56	85	208796	21.751	ug/L	99
3) chloromethane	2.87	50	168882	19.310	ug/L	99
4) vinyl chloride	2.99	62	115749	19.836	ug/L	97
5) bromomethane	3.58	94	59711	12.356	ug/L	100
6) chloroethane	3.68	64	99392	20.084	ug/L	99
7) trichlorofluoromethane	4.02	101	257081	22.781	ug/L	99
10) acrolein	4.68	56	7977	7.648	ug/L	96
22) vinyl acetate	7.34	43	267149	17.730	ug/L	99
41) 1,4-dioxane	12.91	88	1952	28.766	ug/L #	95
44) 2-Chloroethoxyethene	13.41	63	75654	15.583	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG1910\SA081904.D Vial: 4
Acq On : 19 Aug 2010 10:02 am Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 13:56 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG1910\SA081917.D Vial: 17
Acq On : 19 Aug 2010 5:53 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:11:43 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	328697	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	248056	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	115396	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	92277	10.69	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.91%			
35) SS 1,2-DCA-d4_MS	10.55	65	106663	10.34	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.37%			
48) SS toluene-d8_MS	14.12	98	328199	10.12	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.23%			
65) SS 4-BFB_MS	17.68	95	129602	10.58	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 105.78%			
83) SS 1,2-DCB-D4_MS	19.35	152	103846	9.61	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.05%			
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
2) dichlorodifluoromethane	2.57	85	258407	26.855	ug/L	100
3) chloromethane	2.87	50	197363	22.513	ug/L	98
4) vinyl chloride	2.99	62	102805	17.576	ug/L	98
5) bromomethane	3.56	94	99369	20.514	ug/L	99
6) chloroethane	3.68	64	100646	20.289	ug/L	99
7) trichlorofluoromethane	4.02	101	263955	23.334	ug/L	100
8) diethyl ether	4.47	59	105796	22.022	ug/L	95
9) 1,1,2-Trichlorotrifluoroet	4.69	101	128546	35.239	ug/L	100
11) acetone	4.80	43	31964	15.293	ug/L	96
12) 1,1-dichloroethene	5.00	96	128673	22.136	ug/L	93
13) tert-Butyl Alcohol (TBA)	5.15	59	45525	91.894	ug/L	88
15) methylene chloride	5.89	84	149763	20.378	ug/L	93
16) carbon disulfide	5.90	76	381336	19.993	ug/L	100
17) acrylonitrile	6.14	53	48682	17.449	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	327019	20.714	ug/L	98
19) trans-1,2-dichloroethene	6.45	96	181651	23.047	ug/L	94
20) hexane	6.59	57	880	0.454	ug/L #	64
21) Isopropyl ether (DIPE)	7.10	45	508273	19.652	ug/L	98
22) vinyl acetate	7.34	43	288215	19.083	ug/L	97
23) 1,1-dichloroethane	7.32	63	337047	21.458	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	427827	19.959	ug/L	97
25) 2,2-dichloropropane	8.50	77	206732	20.144	ug/L	99
26) cis-1,2-dichloroethene	8.60	96	200092	21.970	ug/L	96
27) 2-butanone (MEK)	8.23	43	60048	17.315	ug/L	98
28) bromochloromethane	9.31	128	96823	21.754	ug/L	91
29) Tetrahydrofuran (THF)	9.39	42	36187	18.314	ug/L	98
30) chloroform	8.94	83	343330	22.345	ug/L	99
32) 1,1,1-trichloroethane	9.82	97	259214	22.508	ug/L	98
33) carbon tetrachloride	10.38	117	217287	22.000	ug/L	98
34) 1,1-dichloropropene	10.17	75	220986	21.374	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	359688	21.870	ug/L #	87
37) benzene	10.78	78	721350	22.911	ug/L	97
38) 1,2-dichloroethane	10.77	62	253114	20.423	ug/L	100
39) trichloroethene	12.09	95	181614	21.760	ug/L	98
40) 1,2-dichloropropane	12.44	63	191477	20.772	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG1910\SA081917.D Vial: 17
Acq On : 19 Aug 2010 5:53 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:11:43 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	1,4-dioxane	12.93	88	1898	27.904 ug/L	#	85
42)	dibromomethane	12.94	93	125765	22.227 ug/L		99
43)	bromodichloromethane	12.85	83	237221	20.086 ug/L		98
44)	2-Chloroethoxyethene	13.65	63	403	3.056 ug/L	#	46
45)	4-methyl-2-pentanone (MIBK	13.45	58	49851	17.998 ug/L		96
46)	cis-1,3-dichloropropene	13.76	75	263244	21.200 ug/L		100
49)	toluene	14.24	91	735314	23.307 ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	236060	19.286 ug/L		98
51)	1,1,2-trichloroethane	14.74	83	140932	20.914 ug/L		98
52)	2-hexanone	14.76	43	85291	17.399 ug/L		93
53)	tetrachloroethene	15.18	166	176452	24.922 ug/L		99
54)	1,3-dichloropropane	15.10	76	276082	21.548 ug/L		99
55)	dibromochloromethane	15.45	129	174337	22.254 ug/L		100
56)	1,2-dibromoethane	15.72	107	162507	21.427 ug/L		99
57)	chlorobenzene	16.26	112	484730	22.298 ug/L		96
58)	1,1,1,2-tetrachloroethane	16.31	131	165132	23.649 ug/L		99
59)	ethylbenzene	16.32	91	740316	24.199 ug/L		100
60)	mp-xylene	16.41	106	542319	48.450 ug/L		97
61)	o-xylene	16.94	106	267884	23.195 ug/L		99
62)	styrene	16.99	104	481910	22.729 ug/L		99
63)	bromoform	17.41	173	106276	19.748 ug/L	#	100
64)	iso-propylbenzene	17.37	105	557910	25.749 ug/L		99
67)	bromobenzene	17.90	156	199481	21.255 ug/L		97
68)	1,1,2,2-tetrachloroethane	17.58	83	195658	18.932 ug/L		100
69)	1,2,3-trichloropropane	17.74	110	57305	20.148 ug/L		93
71)	n-propylbenzene	17.84	91	698236	23.315 ug/L		99
72)	2-chlorotoluene	18.05	91	501878	20.591 ug/L		98
73)	4-chlorotoluene	18.11	91	503515	21.897 ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	444891	22.308 ug/L		99
75)	tert-butylbenzene	18.42	119	367550m	22.287 ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	485744	22.557 ug/L		99
77)	sec-butylbenzene	18.65	105	491035	22.431 ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	301509	21.530 ug/L		98
79)	p-isopropyltoluene	18.78	119	431356	23.411 ug/L		100
80)	1,4-dichlorobenzeneV	19.01	146	313755	21.393 ug/L		97
81)	1,2-dichlorobenzeneV	19.38	146	295019	20.533 ug/L		98
82)	n-butylbenzene	19.19	91	381356	22.098 ug/L		97
84)	1,2-dibromo-3-chloropropan	20.10	75	25669	18.058 ug/L		99
85)	1,3,5-trichlorobenzV	20.31	180	177831	21.467 ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	151082	21.423 ug/L		98
87)	hexachlorobutadieneV	21.09	225	79222	19.800 ug/L		99
88)	naphthaleneV	21.26	128	278761	17.651 ug/L		100
89)	1,2,3-trichlorobenzV	21.53	180	111506	18.264 ug/L		100

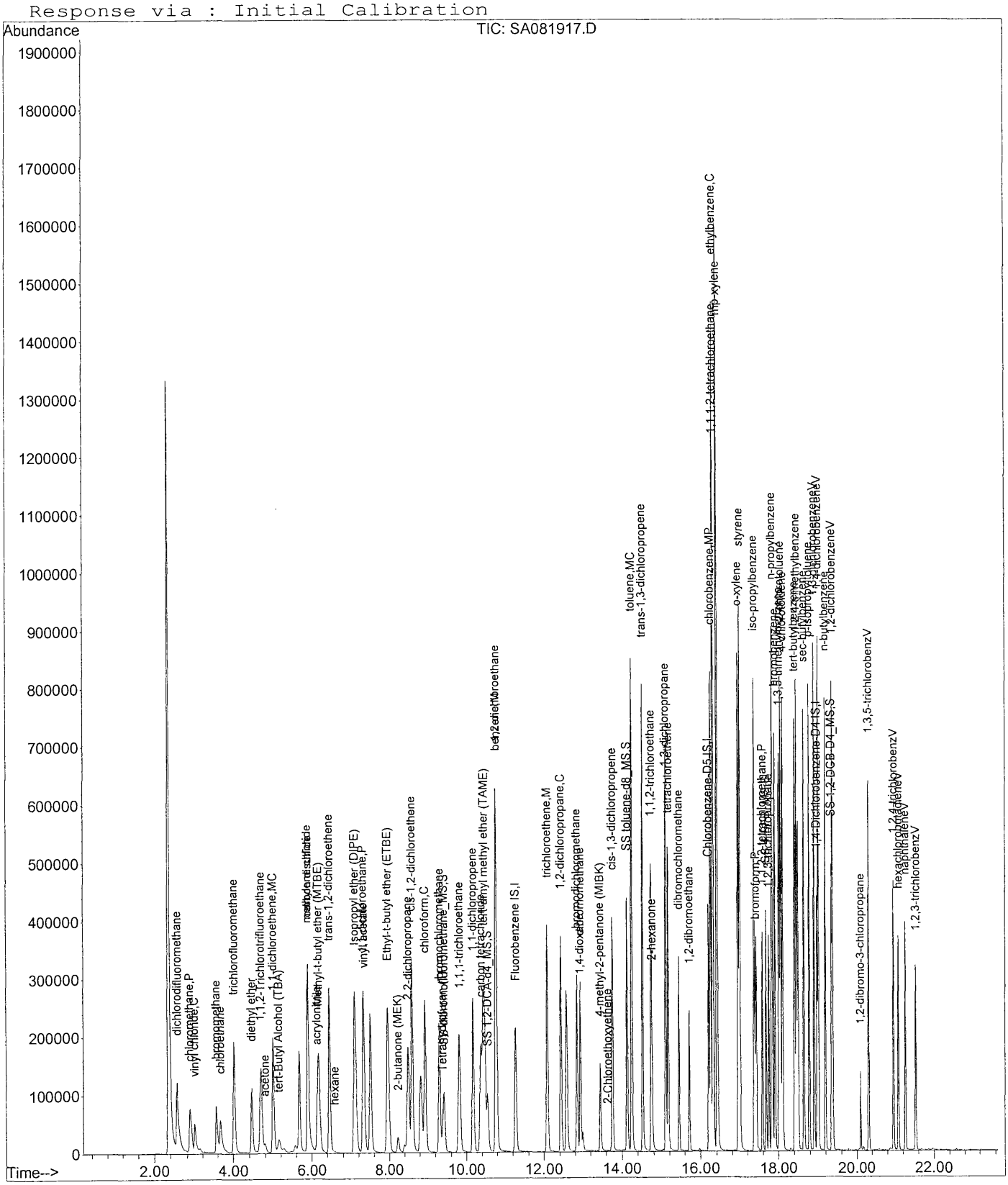
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG1910\SA081917.D
Acq On : 19 Aug 2010 5:53 pm
Sample : LCS
Misc : X1;5mL;
MS Integration Params: RTEINT.P
Quant Time: Aug 25 12:42 2010

Vial: 17
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00
Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG1910\SA081918.D Vial: 18
Acq On : 19 Aug 2010 6:29 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:12:45 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	337365	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	252277	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	116997	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	93472	10.55	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.52%			
35) SS 1,2-DCA-d4_MS	10.55	65	107127	10.11	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.15%			
48) SS toluene-d8_MS	14.12	98	332096	10.07	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.72%			
65) SS 4-BFB_MS	17.68	95	130901	10.51	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 105.06%			
83) SS 1,2-DCB-D4_MS	19.35	152	112702	10.28	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.82%			
90) SS 2,5-DBT_MS	22.74	250	75	4.16	ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 10.39%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	261233	26.451	ug/L	99
3) chloromethane	2.87	50	181608	20.184	ug/L	99
4) vinyl chloride	2.99	62	100051	16.666	ug/L	100
5) bromomethane	3.56	94	87337	17.567	ug/L	99
6) chloroethane	3.67	64	96863	19.025	ug/L	99
7) trichlorofluoromethane	4.02	101	264883	22.815	ug/L	99
8) diethyl ether	4.47	59	107064	21.713	ug/L	92
9) 1,1,2-Trichlorotrifluoroet	4.69	101	123389	32.956	ug/L	99
11) acetone	4.80	43	36089	16.823	ug/L	98
12) 1,1-dichloroethene	5.00	96	125765	21.080	ug/L	95
13) tert-Butyl Alcohol (TBA)	5.15	59	56178	110.484	ug/L #	83
15) methylene chloride	5.89	84	146336	19.400	ug/L	90
16) carbon disulfide	5.90	76	372098	19.008	ug/L	100
17) acrylonitrile	6.14	53	49556	17.306	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	336527	20.769	ug/L	97
19) trans-1,2-dichloroethene	6.45	96	193119	23.873	ug/L	93
20) hexane	6.57	57	1053	0.530	ug/L #	60
21) Isopropyl ether (DIPE)	7.10	45	523774	19.731	ug/L	98
22) vinyl acetate	7.34	43	314227	20.271	ug/L	96
23) 1,1-dichloroethane	7.32	63	347669	21.566	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.97	59	454785	20.672	ug/L	98
25) 2,2-dichloropropane	8.50	77	212737	20.193	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	210886	22.560	ug/L	97
27) 2-butanone (MEK)	8.23	43	71989	20.225	ug/L	97
28) bromochloromethane	9.30	128	100387	21.976	ug/L	90
29) Tetrahydrofuran (THF)	9.39	42	44237	21.813	ug/L	97
30) chloroform	8.94	83	356243	22.590	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	268360	22.703	ug/L	98
33) carbon tetrachloride	10.37	117	225626	22.229	ug/L	99
34) 1,1-dichloropropene	10.17	75	227980	21.484	ug/L	98
36) tert-amyl methyl ether (TA	10.46	73	390513	23.134	ug/L #	84
37) benzene	10.78	78	742047	22.962	ug/L	98
38) 1,2-dichloroethane	10.77	62	261460	20.554	ug/L	99
39) trichloroethene	12.09	95	188206	21.970	ug/L	97
40) 1,2-dichloropropane	12.44	63	198135	20.942	ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG1910\SA081918.D Vial: 18
Acq On : 19 Aug 2010 6:29 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:12:45 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

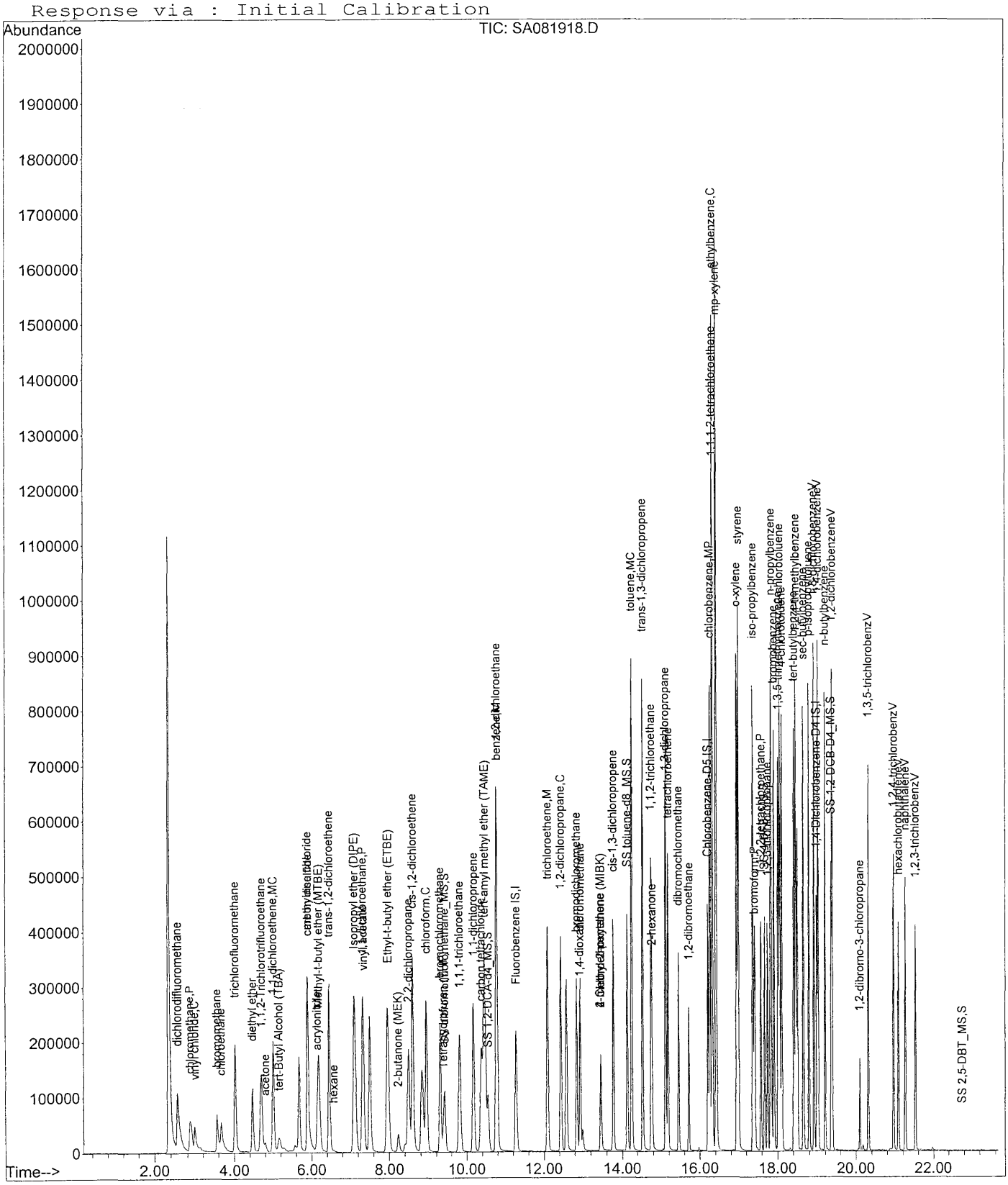
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	1,4-dioxane	12.93	88	2386	34.177	ug/L #	78
42)	dibromomethane	12.94	93	130468	22.466	ug/L	98
43)	bromodichloromethane	12.85	83	243219	20.064	ug/L	99
44)	2-Chloroethoxyethene	13.45	63	190	3.020	ug/L #	1
45)	4-methyl-2-pentanone (MIBK	13.45	58	59467	20.918	ug/L	98
46)	cis-1,3-dichloropropene	13.76	75	272935	21.415	ug/L	99
49)	toluene	14.24	91	758013	23.624	ug/L	100
50)	trans-1,3-dichloropropene	14.52	75	245829	19.712	ug/L	98
51)	1,1,2-trichloroethane	14.74	83	152108	22.195	ug/L	99
52)	2-hexanone	14.76	43	99883	20.034	ug/L #	93
53)	tetrachloroethene	15.18	166	180569	25.077	ug/L	99
54)	1,3-dichloropropane	15.10	76	286101	21.956	ug/L	99
55)	dibromochloromethane	15.45	129	183442	23.024	ug/L	100
56)	1,2-dibromoethane	15.72	107	171775	22.270	ug/L	99
57)	chlorobenzene	16.26	112	492043	22.256	ug/L	97
58)	1,1,1,2-tetrachloroethane	16.31	131	169751	23.903	ug/L	99
59)	ethylbenzene	16.32	91	753624	24.222	ug/L	100
60)	mp-xylene	16.41	106	553944	48.661	ug/L	99
61)	o-xylene	16.94	106	278479	23.709	ug/L	100
62)	styrene	16.99	104	504556	23.399	ug/L	98
63)	bromoform	17.41	173	117451	21.340	ug/L #	100
64)	iso-propylbenzene	17.37	105	575808	26.130	ug/L	99
67)	bromobenzene	17.90	156	207314	21.787	ug/L	96
68)	1,1,2,2-tetrachloroethane	17.58	83	216379	20.650	ug/L	99
69)	1,2,3-trichloropropane	17.74	110	61328	21.267	ug/L	97
71)	n-propylbenzene	17.84	91	714984	23.547	ug/L	99
72)	2-chlorotoluene	18.05	91	531897	21.524	ug/L	100
73)	4-chlorotoluene	18.11	91	511212	21.927	ug/L	98
74)	1,3,5-trimethylbenzene	18.02	105	468385	23.164	ug/L	100
75)	tert-butylbenzene	18.42	119	383302m	22.924	ug/L	
76)	1,2,4-trimethylbenzene	18.46	105	510802	23.396	ug/L	100
77)	sec-butylbenzene	18.65	105	518224	23.349	ug/L	99
78)	1,3-dichlorobenzeneV	18.91	146	315738	22.238	ug/L	98
79)	p-isopropyltoluene	18.78	119	446651	23.909	ug/L	100
80)	1,4-dichlorobenzeneV	19.01	146	323623	21.764	ug/L	97
81)	1,2-dichlorobenzeneV	19.38	146	314124	21.564	ug/L	97
82)	n-butylbenzene	19.19	91	407548	23.292	ug/L	98
84)	1,2-dibromo-3-chloropropan	20.10	75	31226	20.877	ug/L	99
85)	1,3,5-trichlorobenzV	20.31	180	189483	22.561	ug/L	99
86)	1,2,4-trichlorobenzV	20.96	180	172012	24.057	ug/L	99
87)	hexachlorobutadieneV	21.09	225	88238	21.752	ug/L	100
88)	naphthaleneV	21.26	128	358193	22.370	ug/L	99
89)	1,2,3-trichlorobenzV	21.52	180	139715	22.571	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG1910\SA081918.D Vial: 18
Acq On : 19 Aug 2010 6:29 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 12:43 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG1910\SA081906.D Vial: 6
Acq On : 19 Aug 2010 11:14 am Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 15:04:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	312622	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	236293	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	98311	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	88864	10.825 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.250%		
35) SS 1,2-DCA-d4_MS	10.551	65	101736	10.366 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.660%		
48) SS toluene-d8_MS	14.125	98	304866	9.872 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.720%		
65) SS 4-BFB_MS	17.676	95	109967	9.422 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 94.220%		
83) SS 1,2-DCB-D4_MS	19.354	152	98284	10.671 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.710%		
90) SS 2,5-DBT_MS	22.745	250	851	4.578 ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 11.445%#		
Target Compounds					Qvalue
5) bromomethane	3.599	94	1742	0.378 ug/L #	42

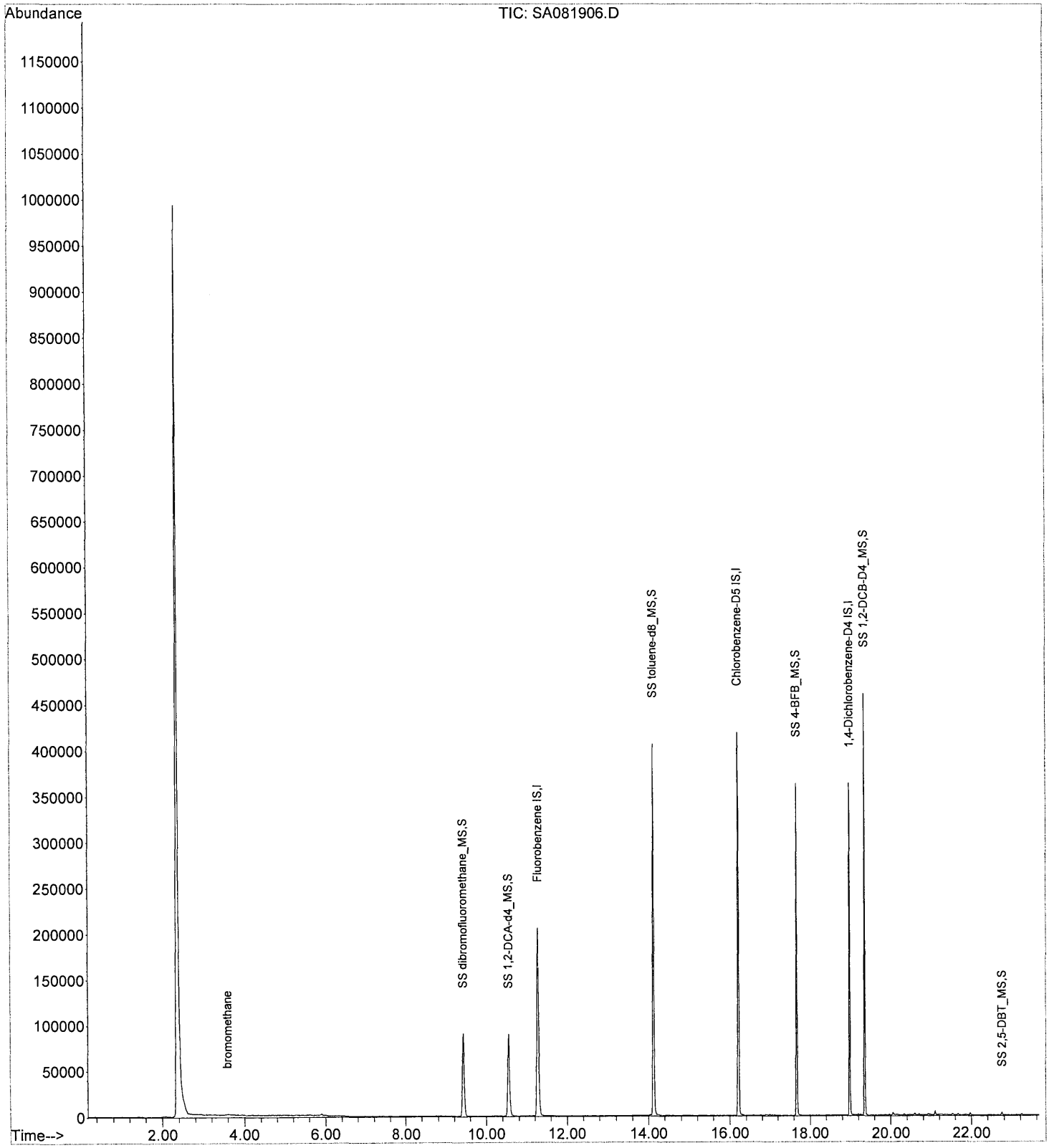
8/30/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG1910\SA081906.D Vial: 6
Acq On : 19 Aug 2010 11:14 am Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 15:04 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



GC/MS QA-QC Check Report

Tune File : Y:\1\DATA\AUG2610\SA082602.D
Tune Time : 26 Aug 2010 12:15 pm

Daily Calibration File : Y:\1\DATA\AUG2610\SA082603.D

							434538	318819	149298
File	Sample	Surrogate Recovery %				Internal Standard Responses			
SA082603.D	STD 20 M	98	92	101	101		434538	318819	149298
		99	40*						
SA082604.D	STD 20 G	95	94	103	98		419539	308516	145629
		101	10*						
SA082605.D	STD 2	95	94	99	99		419618	309575	144910
		98	15*						
SA082606.D	MB	97	95	97	96		406956	301892	137182
		99	11*						
SA082607.D	LCS	101	94	102	102		418164	313133	148274
		97	11*						
SA082608.D	LCSD	98	94	100	100		419008	314179	146262
		98	10*						
SA082610.D	91943.07	98	95	98	96		398443	298013	134972
		99	0*						
SA082611.D	91943.08	101	97	97	92		385281	292287	127314
		105	10*						
SA082612.D	92079.01	102	97	98	97		382945	287020	121978
		107	0*						
SA082613.D	92079.02	102	101	98	97		377568	282626	126572
		104	0*						
SA082614.D	92079.03	104	102	94	93		369622	283476	123855
		103	0*						
SA082615.D	92079.04	105	104	97	95		362857	276556	120455
		108	0*						
SA082616.D	92079.07	108	106	97	89		351569	272812	114695
		111	0*						
SA082617.D	92079.08	107	105	99	93		346557	259892	115970
		104	0*						
SA082618.D	92079.03	108	103	99	102		370487	284506	136047
		94	0*						
SA082619.D	92079.03	104	98	98	101		385071	295489	134963
		100	0*						
SA082621.D	92093.01	103	102	97	101		369286	316002	133725
		102	13*						

iso-pb only (HW)

t - fails 12hr time check * - fails criteria

Created: Fri Aug 27 08:38:45 2010 VOAMS4

IS/SS ID= V-3668 (refilled IS/SS)
Standard ID= V-3661A
Gas Standard ID= V-3666
LCS/LCSD and/or MS/MSD Standard ID= V-3660 (L)
V-3667 (G)

Analyst: USO

Date: 8/26/2010

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA082601	BFB Blank					VOCMS				
2	02	BFB					VOCMS		Autofind BFB		✓
3	03	STD 20 GM					VOCMS	4VI00723	FB: 434538 ↓Acetone, MEK		✓
4	04	STD 20 G					VOCMS		FB: 419539 ↑TBM, acrolein		✓
5	05	MB STD 2					VOCMS		ok		✓
6	06	MB					VOCMS		in control		✓
7	07	LCS					VOCMS		↑Freon 113, 14D		
8	08	LCSd					VOCMS		↑ Freon 113, 14D ↓Acetone		
9	09	Blank					VOCMS				
10	10	91943.07	✓	✓		x1	VOCMS		iso-pb only		
11	11	91943.08	✓	✓		x1	VOCMS		~~iso-pb only~~ Rerun not needed on 08.		
12	12	92079.01	✓	✓		x1	VOCMS				
13	13	92079.02	✓	✓		x1	VOCMS				
14	14	92079.03	✓	✓		x1	VOCMS				
15	15	92079.04	✓	✓		x1	VOCMS				
16	16	92079.07	✓	✓		x1	VOCMS				
17	17	92079.08	✓	✓		x1	VOCMS				
18	18	92079.03-MS	✓	✓		x1	VOCMS				✓
19	19	92079.03-MSD	✓	✓		x1	VOCMS				✓
20	20	Blank	✓	✓		x1	VOCMS				
21	21	92093.01	✓		✓	x20	VOCMS	↓	prep 8/24/10		
22	22	Blank					VOCMS				
23	23	Blank					VOCMS				
24	24	Blank					VOCMS				
							~~VOCMS~~				
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8/27/10

Samples removed from autosampler, order and pH verified by USO 8/27/10

BFB

Data File : Y:\1\DATA\AUG2610\SA082602.D
Acq On : 26 Aug 2010 12:15 pm
Sample : BFB
Misc : X1;5mL
MS Integration Params: RTEINT.P

Vial: 2
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane

AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1528

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	11515	PASS
75	95	30	60	45.1	31228	PASS
95	95	100	100	100.0	69295	PASS
96	95	5	9	7.7	5344	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.6	60712	PASS
175	174	5	9	6.6	4009	PASS
176	174	95	101	96.7	58736	PASS
177	176	5	9	6.5	3842	PASS

SA082602.D 4VID0723.M Mon Aug 30 13:15:56 2010

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2610\SA082603.D Vial: 3
Acq On : 26 Aug 2010 12:51 pm Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	130	0.00
2		dichlorodifluoromethane	-1.000	0.000	0.0	0	-2.56#
3	P	chloromethane	-1.000	0.000	0.0	0	-2.87#
4	C	vinyl chloride	-1.000	0.000	0.0	0	-2.99#
5		bromomethane	-1.000	0.000	0.0	0	-3.58#
6		chloroethane	-1.000	0.000	0.0	0	-3.67#
7		trichlorofluoromethane	-1.000	0.000	0.0	0	-4.02#
8		diethyl ether	20.000	18.759	6.2	119	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	18.372	8.1	129	0.00
10		acrolein	-1.000	0.000	0.0	0	-4.68#
11		acetone	20.000	14.133	29.3#	95	0.01
12	MC	1,1-dichloroethene	20.000	20.366	-1.8#	137	0.00
13		tert-Butyl Alcohol (TBA)	100.000	83.919	16.1	106	-0.01
14		iodomethane	20.000	0.000	100.0#	0	0.03
15		methylene chloride	20.000	18.967	5.2	123	0.00
16		carbon disulfide	20.000	18.039	9.8	116	0.00
17		acrylonitrile	20.000	17.171	14.1	105	0.00
18		Methyl-t-butyl ether (MTBE)	40.000	39.575	1.1	122	0.00
19		trans-1,2-dichloroethene	20.000	22.276	-11.4	141	0.00
20		hexane	20.000	17.912	10.4	134	0.00
21		Isopropyl ether (DIPE)	20.000	18.672	6.6	116	0.00
22		vinyl acetate	-1.000	0.000	0.0	0	-7.34#
23	P	1,1-dichloroethane	20.000	19.178	4.1	124	0.00
24		Ethyl-t-butyl ether (ETBE)	20.000	19.364	3.2	124	0.00
25		2,2-dichloropropane	20.000	18.308	8.5	134	0.00
26		cis-1,2-dichloroethene	20.000	20.694	-3.5	130	0.00
27		2-butanone (MEK)	20.000	15.551	22.2#	103	-0.01
28		bromochloromethane	20.000	20.284	-1.4	129	0.01
29		Tetrahydrofuran (THF)	20.000	15.919	20.4#	106	0.01
30	C	chloroform	20.000	19.627	1.9	128	0.00
31	S	SS dibromofluoromethane_MS	10.000	9.769	2.3	127	0.00
32		1,1,1-trichloroethane	20.000	19.854	0.7	135	0.00
33		carbon tetrachloride	20.000	18.775	6.1	140	0.00
34		1,1-dichloropropene	20.000	20.407	-2.0	139	0.00
35	S	SS 1,2-DCA-d4_MS	10.000	9.203	8.0	118	0.00
36		tert-amyl methyl ether (TAM	20.000	19.979	0.1	130	0.00
37	M	benzene	20.000	20.981	-4.9	129	0.00
38		1,2-dichloroethane	20.000	18.646	6.8	118	0.00
39	M	trichloroethene	20.000	20.574	-2.9	136	0.00
40	C	1,2-dichloropropane	20.000	19.326	3.4	122	0.00
41		1,4-dioxane	40.000	0.000	100.0#	0	-12.93#
42		dibromomethane	20.000	20.000	0.0	125	0.00
43		bromodichloromethane	20.000	17.307	13.5	119	0.00
44		2-Chloroethoxyethene	-1.000	2.989	0.0	0	-13.40#
45		4-methyl-2-pentanone (MIBK)	20.000	16.269	18.7	104	0.00
46		cis-1,3-dichloropropene	20.000	19.240	3.8	119	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	127	0.00
48	S	SS toluene-d8_MS	10.000	10.082	-0.8	129	0.00
49	MC	toluene	20.000	22.066	-10.3	131	0.00
50		trans-1,3-dichloropropene	20.000	17.422	12.9	115	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2610\SA082603.D Vial: 3
Acq On : 26 Aug 2010 12:51 pm Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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)
51		1,1,2-trichloroethane	20.000	20.055	-0.3	124	0.00
52		2-hexanone	20.000	16.063	19.7	101	0.00
53		tetrachloroethene	20.000	23.135	-15.7	150	0.01
54		1,3-dichloropropane	20.000	19.851	0.7	120	0.00
55		dibromochloromethane	20.000	19.716	1.4	123	0.00
56		1,2-dibromoethane	20.000	20.725	-3.6	125	0.00
57	MP	chlorobenzene	20.000	21.596	-8.0	133	0.00
58		1,1,1,2-tetrachloroethane	20.000	22.241	-11.2	131	0.00
59	C	ethylbenzene	20.000	23.274	-16.4	136	0.00
60		mp-xylene	40.000	47.356	-18.4	136	0.00
61		o-xylene	20.000	23.054	-15.3	135	0.00
62		styrene	20.000	22.575	-12.9	129	0.00
63	P	bromoform	20.000	16.910	15.4	118	0.00
64		iso-propylbenzene	20.000	23.625	-18.1	144	0.00
65	S	SS 4-BFB_MS	10.000	10.093	-0.9	127	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	134	0.00
67		bromobenzene	20.000	20.769	-3.8	134	0.00
68	P	1,1,2,2-tetrachloroethane	20.000	18.071	9.6	118	0.01
69		1,2,3-trichloropropane	20.000	18.265	8.7	120	0.00
70		t-1,4-dichloro-2-butene	20.000	0.000	100.0#	0	0.03
71		n-propylbenzene	20.000	21.601	-8.0	140	0.00
72		2-chlorotoluene	20.000	20.070	-0.4	132	0.00
73		4-chlorotoluene	20.000	20.950	-4.7	133	0.01
74		1,3,5-trimethylbenzene	20.000	21.995	-10.0	140	0.01
75		tert-butylbenzene	20.000	22.023	-10.1	142	0.00
76		1,2,4-trimethylbenzene	20.000	21.525	-7.6	135	0.00
77		sec-butylbenzene	20.000	21.963	-9.8	142	0.00
78		1,3-dichlorobenzeneV	20.000	21.066	-5.3	138	0.00
79		p-isopropyltoluene	20.000	22.386	-11.9	143	0.00
80		1,4-dichlorobenzeneV	20.000	20.664	-3.3	136	0.00
81		1,2-dichlorobenzeneV	20.000	20.230	-1.2	132	0.00
82		n-butylbenzene	20.000	21.409	-7.0	138	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	9.882	1.2	133	0.00
84		1,2-dibromo-3-chloropropane	20.000	16.061	19.7	106	0.00
85		1,3,5-trichlorobenzV	20.000	21.932	-9.7	146	0.00
86		1,2,4-trichlorobenzV	20.000	20.809	-4.0	136	0.00
87		hexachlorobutadieneV	20.000	20.181	-0.9	145	0.00
88		naphthaleneV	20.000	18.277	8.6	116	0.00
89		1,2,3-trichlorobenzV	20.000	18.661	6.7	120	0.00
90	S	SS 2,5-DBT_MS	20.000	15.886	20.6#	103	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2610\SA082604.D Vial: 4
Acq On : 26 Aug 2010 1:27 pm Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	125	0.00
2		dichlorodifluoromethane	20.000	19.136	4.3	124	0.01
3	P	chloromethane	20.000	19.364	3.2	120	0.01
4	C	vinyl chloride	20.000	18.513	7.4	140	0.00
5		bromomethane	20.000	14.332	28.3#	92	0.00
6		chloroethane	20.000	19.897	0.5	124	0.01
7		trichlorofluoromethane	20.000	20.454	-2.3	131	0.00
8		diethyl ether	-1.000	0.000	0.0	0	-4.47#
9		1,1,2-Trichlorotrifluoroeth	-1.000	0.000	0.0	0	-4.69#
10		acrolein	20.000	11.064	44.7#	72	0.00
11		acetone	-1.000	0.000	0.0	0	-4.79#
12	MC	1,1-dichloroethene	-1.000	0.000	0.0	0	-5.00#
13		tert-Butyl Alcohol (TBA)	-1.000	0.000	0.0	0	-5.15#
14		iodomethane	-1.000	0.000	0.0	0	-5.56#
15		methylene chloride	-1.000	0.000	0.0	0	-5.89#
16		carbon disulfide	-1.000	0.000	0.0	0	-5.91#
17		acrylonitrile	-1.000	0.000	0.0	0	-6.14#
18		Methyl-t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-6.18#
19		trans-1,2-dichloroethene	-1.000	0.000	0.0	0	-6.45#
20		hexane	-1.000	0.000	0.0	0	-6.58#
21		Isopropyl ether (DIPE)	-1.000	0.000	0.0	0	-7.10#
22		vinyl acetate	20.000	18.150	9.3	126	0.00
23	P	1,1-dichloroethane	-1.000	0.000	0.0	0	-7.32#
24		Ethyl-t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-7.96#
25		2,2-dichloropropane	-1.000	0.000	0.0	0	-8.50#
26		cis-1,2-dichloroethene	-1.000	0.000	0.0	0	-8.60#
27		2-butanone (MEK)	-1.000	0.000	0.0	0	-8.23#
28		bromochloromethane	-1.000	0.000	0.0	0	-9.29#
29		Tetrahydrofuran (THF)	-1.000	0.000	0.0	0	-9.38#
30	C	chloroform	-1.000	0.000	0.0	0	-8.94#
31	S	SS dibromofluoromethane_MS	10.000	9.509	4.9	119	0.00
32		1,1,1-trichloroethane	-1.000	0.000	0.0	0	-9.81#
33		carbon tetrachloride	-1.000	0.000	0.0	0	-10.38#
34		1,1-dichloropropene	-1.000	0.000	0.0	0	-10.17#
35	S	SS 1,2-DCA-d4_MS	10.000	9.365	6.3	116	0.00
36		tert-amyl methyl ether (TAM	-1.000	0.000	0.0	0	-10.46#
37	M	benzene	-1.000	0.000	0.0	0	-10.78#
38		1,2-dichloroethane	-1.000	0.000	0.0	0	-10.77#
39	M	trichloroethene	-1.000	0.000	0.0	0	-12.09#
40	C	1,2-dichloropropane	-1.000	0.000	0.0	0	-12.44#
41		1,4-dioxane	40.000	36.732	8.2	99	-0.01
42		dibromomethane	-1.000	0.000	0.0	0	-12.94#
43		bromodichloromethane	-1.000	-0.131	0.0	0	-12.85#
44		2-Chloroethoxyethene	20.000	16.296	18.5	98	0.00
45		4-methyl-2-pentanone (MIBK)	-1.000	0.000	0.0	0	-13.45#
46		cis-1,3-dichloropropene	-1.000	0.000	0.0	0	-13.76#
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	123	0.00
48	S	SS toluene-d8_MS	10.000	10.296	-3.0	127	0.00
49	MC	toluene	-1.000	0.000	0.0	0	-14.24#
50		trans-1,3-dichloropropene	-1.000	1.509	0.0	0	-14.52#
51		1,1,2-trichloroethane	-1.000	0.000	0.0	0	-14.74#
52		2-hexanone	-1.000	0.000	0.0	0	-14.76#
53		tetrachloroethene	-1.000	0.000	0.0	0	-15.16#
54		1,3-dichloropropane	-1.000	0.000	0.0	0	-15.10#
55		dibromochloromethane	-1.000	0.000	0.0	0	-15.45#
56		1,2-dibromoethane	-1.000	0.000	0.0	0	-15.72#

57	MP	chlorobenzene	-1.000	0.000	0.0	0	-16.26#
58		1,1,1,2-tetrachloroethane	-1.000	0.000	0.0	0	-16.31#
59	C	ethylbenzene	-1.000	0.000	0.0	0	-16.32#
60		mp-xylene	-1.000	0.000	0.0	0	-16.41#
61		o-xylene	-1.000	0.000	0.0	0	-16.95#
62		styrene	-1.000	0.000	0.0	0	-16.99#
63	P	bromoform	-1.000	1.379	0.0	0	-17.41#
64		iso-propylbenzene	-1.000	0.000	0.0	0	-17.37#
65	S	SS 4-BFB_MS	10.000	9.785	2.1	119	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	131	0.00
67		bromobenzene	-1.000	0.000	0.0	0	-17.90#
68	P	1,1,2,2-tetrachloroethane	-1.000	0.000	0.0	0	-17.57#
69		1,2,3-trichloropropane	-1.000	0.000	0.0	0	-17.74#
70		t-1,4-dichloro-2-butene	-1.000	0.000	0.0	0	-17.81#
71		n-propylbenzene	-1.000	0.000	0.0	0	-17.84#
72		2-chlorotoluene	-1.000	0.000	0.0	0	-18.05#
73		4-chlorotoluene	-1.000	0.000	0.0	0	-18.10#
74		1,3,5-trimethylbenzene	-1.000	0.000	0.0	0	-18.01#
75		tert-butylbenzene	-1.000	0.000	0.0	0	-18.42#
76		1,2,4-trimethylbenzene	-1.000	0.000	0.0	0	-18.46#
77		sec-butylbenzene	-1.000	0.000	0.0	0	-18.65#
78		1,3-dichlorobenzeneV	-1.000	0.000	0.0	0	-18.91#
79		p-isopropyltoluene	-1.000	0.000	0.0	0	-18.78#
80		1,4-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.01#
81		1,2-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.38#
82		n-butylbenzene	-1.000	0.000	0.0	0	-19.19#
83	S	SS 1,2-DCB-D4_MS	10.000	10.127	-1.3	133	0.00
84		1,2-dibromo-3-chloropropane	-1.000	3.950	0.0	0	-20.10#
85		1,3,5-trichlorobenzV	-1.000	0.000	0.0	0	-20.31#
86		1,2,4-trichlorobenzV	-1.000	0.000	0.0	0	-20.96#
87		hexachlorobutadieneV	-1.000	0.000	0.0	0	-21.09#
88		naphthaleneV	-1.000	0.000	0.0	0	-21.26#
89		1,2,3-trichlorobenzV	-1.000	0.000	0.0	0	-21.52#
90	S	SS 2,5-DBT_MS	-1.000	4.124	0.0	0	-22.73#

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

SA072312.D 4VID0723.M Mon Aug 30 13:58:57 2010

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2610\SA082603.D Vial: 3
Acq On : 26 Aug 2010 12:51 pm Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 13:20:23 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	434538	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	318819	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	149298	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.42	111	111465	9.77 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.69%		
35) SS 1,2-DCA-d4_MS	10.55	65	125549	9.20 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 92.03%		
48) SS toluene-d8_MS	14.12	98	420101	10.08 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.82%		
65) SS 4-BFB_MS	17.68	95	158934	10.09 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.93%		
83) SS 1,2-DCB-D4_MS	19.35	152	138220	9.88 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.82%		
90) SS 2,5-DBT_MS	22.73	250	33475	15.89 ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 39.72%#		
Target Compounds					Qvalue
8) diethyl ether	4.47	59	119141	18.759 ug/L	92
9) 1,1,2-Trichlorotrifluoroet	4.69	101	88599	18.372 ug/L	97
11) acetone	4.80	43	39050	14.133 ug/L	93
12) 1,1-dichloroethene	5.00	96	156501	20.366 ug/L	91
13) tert-Butyl Alcohol (TBA)	5.14	59	54961	83.919 ug/L	92
15) methylene chloride	5.89	84	184273	18.967 ug/L	89
16) carbon disulfide	5.90	76	454843	18.039 ug/L	100
17) acrylonitrile	6.14	53	63331	17.171 ug/L	100
18) Methyl-t-butyl ether (MTBE	6.18	73	825948	39.575 ug/L	96
19) trans-1,2-dichloroethene	6.45	96	232104	22.276 ug/L	93
20) hexane	6.58	57	45850	17.912 ug/L	90
21) Isopropyl ether (DIPE)	7.10	45	638459	18.672 ug/L	97
23) 1,1-dichloroethane	7.32	63	398225	19.178 ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	548712	19.364 ug/L	96
25) 2,2-dichloropropane	8.50	77	246334	18.308 ug/L	100
26) cis-1,2-dichloroethene	8.60	96	249158	20.694 ug/L	96
27) 2-butanone (MEK)	8.22	43	71299	15.551 ug/L	95
28) bromochloromethane	9.31	128	119346	20.284 ug/L	87
29) Tetrahydrofuran (THF)	9.39	42	41582	15.919 ug/L	92
30) chloroform	8.94	83	398669	19.627 ug/L	98
32) 1,1,1-trichloroethane	9.81	97	302271	19.854 ug/L	98
33) carbon tetrachloride	10.38	117	239937	18.775 ug/L	99
34) 1,1-dichloropropene	10.17	75	278927	20.407 ug/L	98
36) tert-amyl methyl ether (TA	10.46	73	434394	19.979 ug/L	92
37) benzene	10.78	78	873321	20.981 ug/L	96
38) 1,2-dichloroethane	10.77	62	305509	18.646 ug/L	98
39) trichloroethene	12.09	95	227011	20.574 ug/L	97
40) 1,2-dichloropropane	12.44	63	235508	19.326 ug/L	96
42) dibromomethane	12.94	93	149603	20.000 ug/L	97
43) bromodichloromethane	12.85	83	270506	17.307 ug/L	98
45) 4-methyl-2-pentanone (MIBK	13.45	58	59570	16.269 ug/L #	98
46) cis-1,3-dichloropropene	13.76	75	315840	19.240 ug/L	99
49) toluene	14.24	91	894752	22.066 ug/L	100
50) trans-1,3-dichloropropene	14.52	75	271597	17.422 ug/L	98
51) 1,1,2-trichloroethane	14.74	83	173698	20.055 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2610\SA082603.D
Acq On : 26 Aug 2010 12:51 pm
Sample : STD 20 M
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 26 13:20:23 2010

Vial: 3
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00
Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

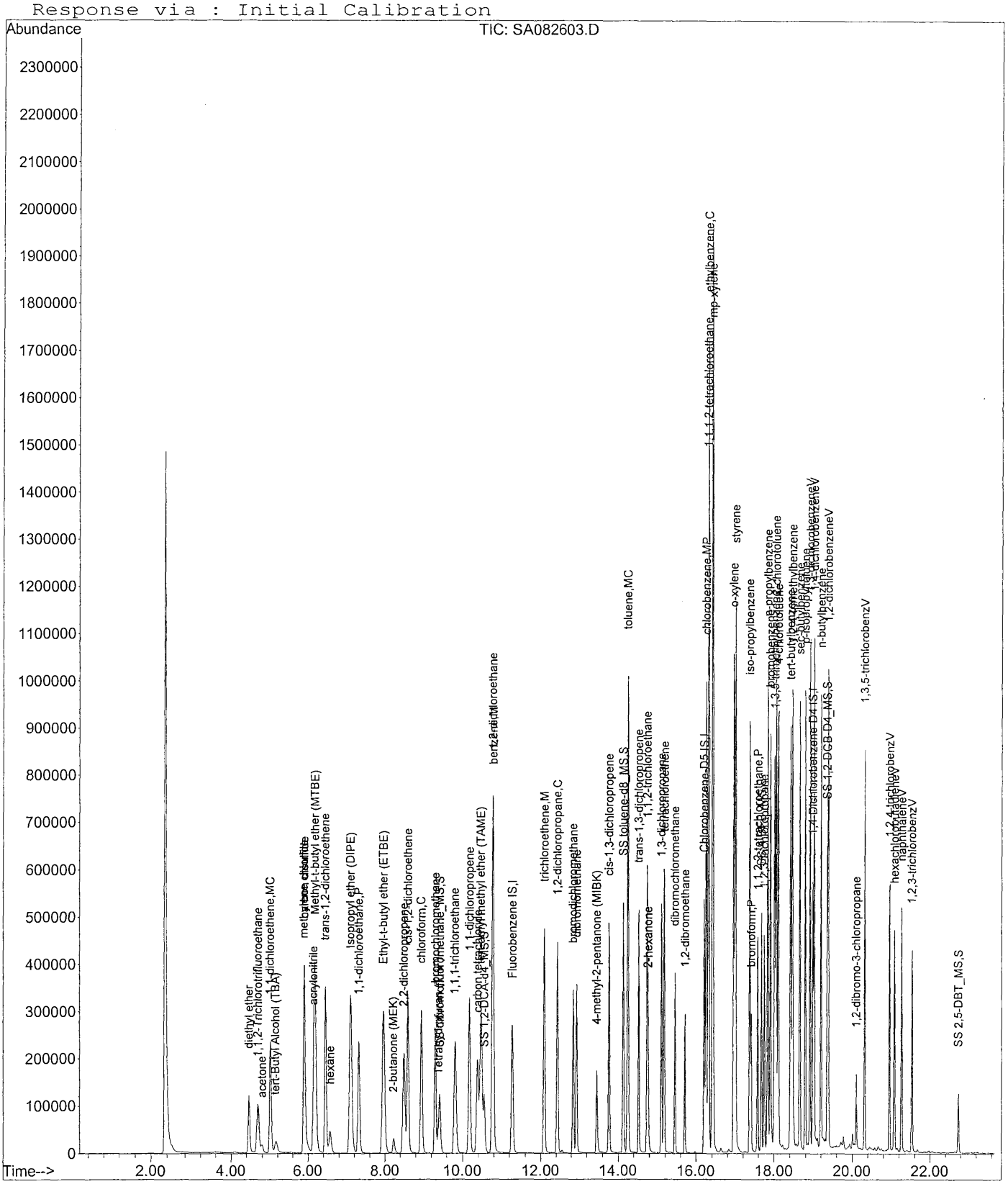
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
52)	2-hexanone	14.76	43	101207	16.063 ug/L		93
53)	tetrachloroethene	15.18	166	210530	23.135 ug/L		97
54)	1,3-dichloropropane	15.10	76	326895	19.851 ug/L		98
55)	dibromochloromethane	15.45	129	198523	19.716 ug/L		99
56)	1,2-dibromoethane	15.72	107	202025	20.725 ug/L		99
57)	chlorobenzene	16.26	112	603384	21.596 ug/L		95
58)	1,1,1,2-tetrachloroethane	16.31	131	199608	22.241 ug/L		98
59)	ethylbenzene	16.32	91	915153	23.274 ug/L		99
60)	mp-xylene	16.41	106	681280	47.356 ug/L		97
61)	o-xylene	16.94	106	342218	23.054 ug/L		98
62)	styrene	16.99	104	615185	22.575 ug/L		97
63)	bromoform	17.41	173	115488	16.910 ug/L	#	100
64)	iso-propylbenzene	17.37	105	657929	23.625 ug/L		99
67)	bromobenzene	17.90	156	252188	20.769 ug/L		94
68)	1,1,2,2-tetrachloroethane	17.58	83	241632	18.071 ug/L		99
69)	1,2,3-trichloropropane	17.74	110	67211	18.265 ug/L		97
71)	n-propylbenzene	17.84	91	836973	21.601 ug/L		98
72)	2-chlorotoluene	18.05	91	632901	20.070 ug/L		98
73)	4-chlorotoluene	18.11	91	623293	20.950 ug/L		98
74)	1,3,5-trimethylbenzene	18.02	105	567523	21.995 ug/L		98
75)	tert-butylbenzene	18.42	119	469903m	22.023 ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	599691	21.525 ug/L		98
77)	sec-butylbenzene	18.65	105	622036	21.963 ug/L		98
78)	1,3-dichlorobenzeneV	18.91	146	381684	21.066 ug/L		97
79)	p-isopropyltoluene	18.78	119	533655	22.386 ug/L		100
80)	1,4-dichlorobenzeneV	19.01	146	392103	20.664 ug/L		97
81)	1,2-dichlorobenzeneV	19.38	146	376049	20.230 ug/L		97
82)	n-butylbenzene	19.19	91	478029	21.409 ug/L		97
84)	1,2-dibromo-3-chloropropan	20.10	75	28511	16.061 ug/L		92
85)	1,3,5-trichlorobenzV	20.31	180	235056	21.932 ug/L		96
86)	1,2,4-trichlorobenzV	20.96	180	189870	20.809 ug/L		98
87)	hexachlorobutadieneV	21.09	225	104469	20.181 ug/L		99
88)	naphthaleneV	21.26	128	373457	18.277 ug/L		99
89)	1,2,3-trichlorobenzV	21.52	180	147404	18.661 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2610\SA082603.D Vial: 3
Acq On : 26 Aug 2010 12:51 pm Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 13:22 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2610\SA082604.D
Acq On : 26 Aug 2010 1:27 pm
Sample : STD 20 G
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 26 13:55:42 2010

Vial: 4
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00
Quant Results File: 4VID0723.RES

Quant Method : C:\MSDCHEM\1...\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	419539	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	308516	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	145629	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	104759	9.51	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.09%			
35) SS 1,2-DCA-d4_MS	10.55	65	123340	9.36	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.65%			
48) SS toluene-d8_MS	14.12	98	415156	10.30	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.96%			
65) SS 4-BFB_MS	17.68	95	149105	9.79	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.85%			
83) SS 1,2-DCB-D4_MS	19.35	152	138172	10.13	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.27%			
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	2.57	85	235027	19.136	ug/L	99
3) chloromethane	2.88	50	216674	19.364	ug/L	100
4) vinyl chloride	2.99	62	138213	18.513	ug/L	99
5) bromomethane	3.58	94	88612	14.332	ug/L	98
6) chloroethane	3.68	64	125980	19.897	ug/L	98
7) trichlorofluoromethane	4.02	101	295313	20.454	ug/L	100
10) acrolein	4.68	56	14764	11.064	ug/L	95
22) vinyl acetate	7.34	43	349876	18.150	ug/L	97
41) 1,4-dioxane	12.91	88	3189	36.732	ug/L #	89
44) 2-Chloroethoxyethene	13.41	63	102276	16.296	ug/L	96

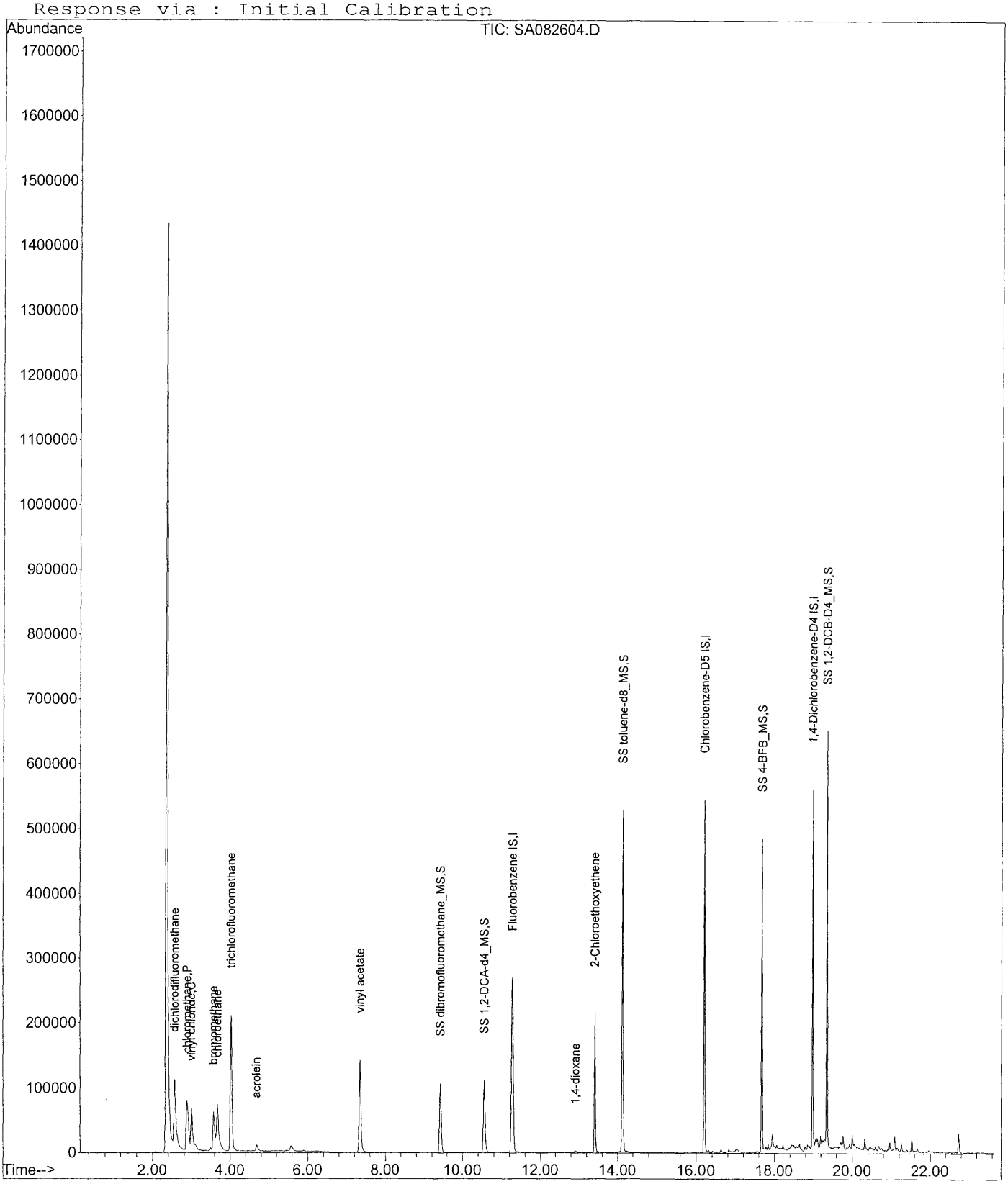
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2610\SA082604.D
Acq On : 26 Aug 2010 1:27 pm
Sample : STD 20 G
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 27 13:09 2010

Vial: 4
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00
Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2610\SA082606.D Vial: 6
Acq On : 26 Aug 2010 2:39 pm Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 15:40:41 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

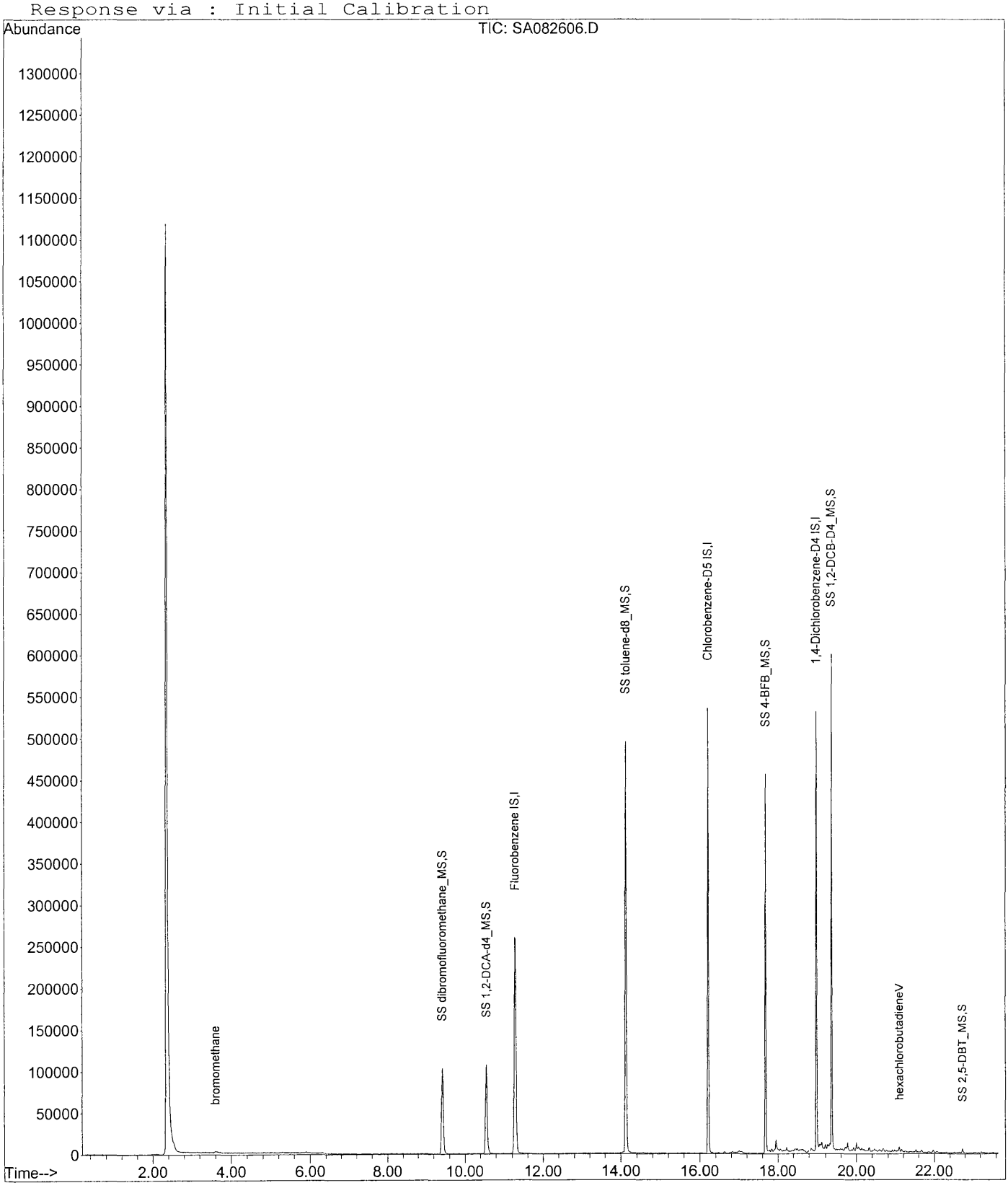
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	406956	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	301892	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	137182	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	103440	9.68	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.80%			
35) SS 1,2-DCA-d4_MS	10.55	65	121329	9.50	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.97%			
48) SS toluene-d8_MS	14.13	98	381193	9.66	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.61%			
65) SS 4-BFB_MS	17.68	95	142525	9.56	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.59%			
83) SS 1,2-DCB-D4_MS	19.35	152	127264	9.90	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.02%			
90) SS 2,5-DBT_MS	22.73	250	1201	4.58	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 11.46%#			
Target Compounds						Qvalue
5) bromomethane	3.60	94	1849m	0.308	ug/L	
87) hexachlorobutadieneV	21.09	225	1521	0.320	ug/L #	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2610\SA082606.D Vial: 6
Acq On : 26 Aug 2010 2:39 pm Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 9:03 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2610\SA082607.D Vial: 7
Acq On : 26 Aug 2010 3:14 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 15:40:51 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	418164	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	313133	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	148274	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	111008	10.11	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.10%			
35) SS 1,2-DCA-d4_MS	10.55	65	123377	9.40	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.98%			
48) SS toluene-d8_MS	14.12	98	415424	10.15	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.51%			
65) SS 4-BFB_MS	17.68	95	157008	10.15	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.52%			
83) SS 1,2-DCB-D4_MS	19.35	152	135435	9.75	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.50%			
90) SS 2,5-DBT_MS	22.74	250	321	4.24	ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 10.59%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.57	85	300844	24.576	ug/L	99
3) chloromethane	2.87	50	224455	20.125	ug/L	100
4) vinyl chloride	2.99	62	127030	17.071	ug/L	99
5) bromomethane	3.56	94	132458	21.495	ug/L	99
6) chloroethane	3.68	64	125690	19.916	ug/L	97
7) trichlorofluoromethane	4.02	101	312146	21.691	ug/L	99
8) diethyl ether	4.47	59	128487	21.023	ug/L	92
9) 1,1,2-Trichlorotrifluoroet	4.69	101	146595	31.589	ug/L	98
11) acetone	4.80	43	38779	14.584	ug/L	93
12) 1,1-dichloroethene	5.00	96	157249	21.265	ug/L	91
13) tert-Butyl Alcohol (TBA)	5.15	59	56995	90.432	ug/L #	85
15) methylene chloride	5.89	84	186592	19.957	ug/L	86
16) carbon disulfide	5.90	76	443870	18.293	ug/L	100
17) acrylonitrile	6.14	53	57949	16.327	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	411327	20.480	ug/L	97
19) trans-1,2-dichloroethene	6.45	96	227136	22.652	ug/L	92
20) hexane	6.58	57	1011	0.410	ug/L #	39
21) Isopropyl ether (DIPE)	7.10	45	615612	18.709	ug/L	97
22) vinyl acetate	7.34	43	346826	18.051	ug/L #	95
23) 1,1-dichloroethane	7.32	63	404019	20.219	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	543983	19.949	ug/L	96
25) 2,2-dichloropropane	8.50	77	254533	19.545	ug/L	98
26) cis-1,2-dichloroethene	8.60	96	252415	21.785	ug/L	99
27) 2-butanone (MEK)	8.23	43	72509	16.435	ug/L #	92
28) bromochloromethane	9.30	128	116571	20.588	ug/L	89
29) Tetrahydrofuran (THF)	9.38	42	43786	17.419	ug/L	91
30) chloroform	8.94	83	414918	21.227	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	308996	21.090	ug/L	97
33) carbon tetrachloride	10.37	117	249241	20.074	ug/L	98
34) 1,1-dichloropropene	10.17	75	270540	20.569	ug/L	98
36) tert-amyl methyl ether (TA	10.46	73	463155	22.136	ug/L #	82
37) benzene	10.78	78	881230	22.000	ug/L	96
38) 1,2-dichloroethane	10.77	62	303497	19.249	ug/L	99
39) trichloroethene	12.09	95	228860	21.554	ug/L	98
40) 1,2-dichloropropane	12.44	63	229956	19.609	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2610\SA082607.D Vial: 7
Acq On : 26 Aug 2010 3:14 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 15:40:51 2010 Quant Results File: 4VID0723.RES

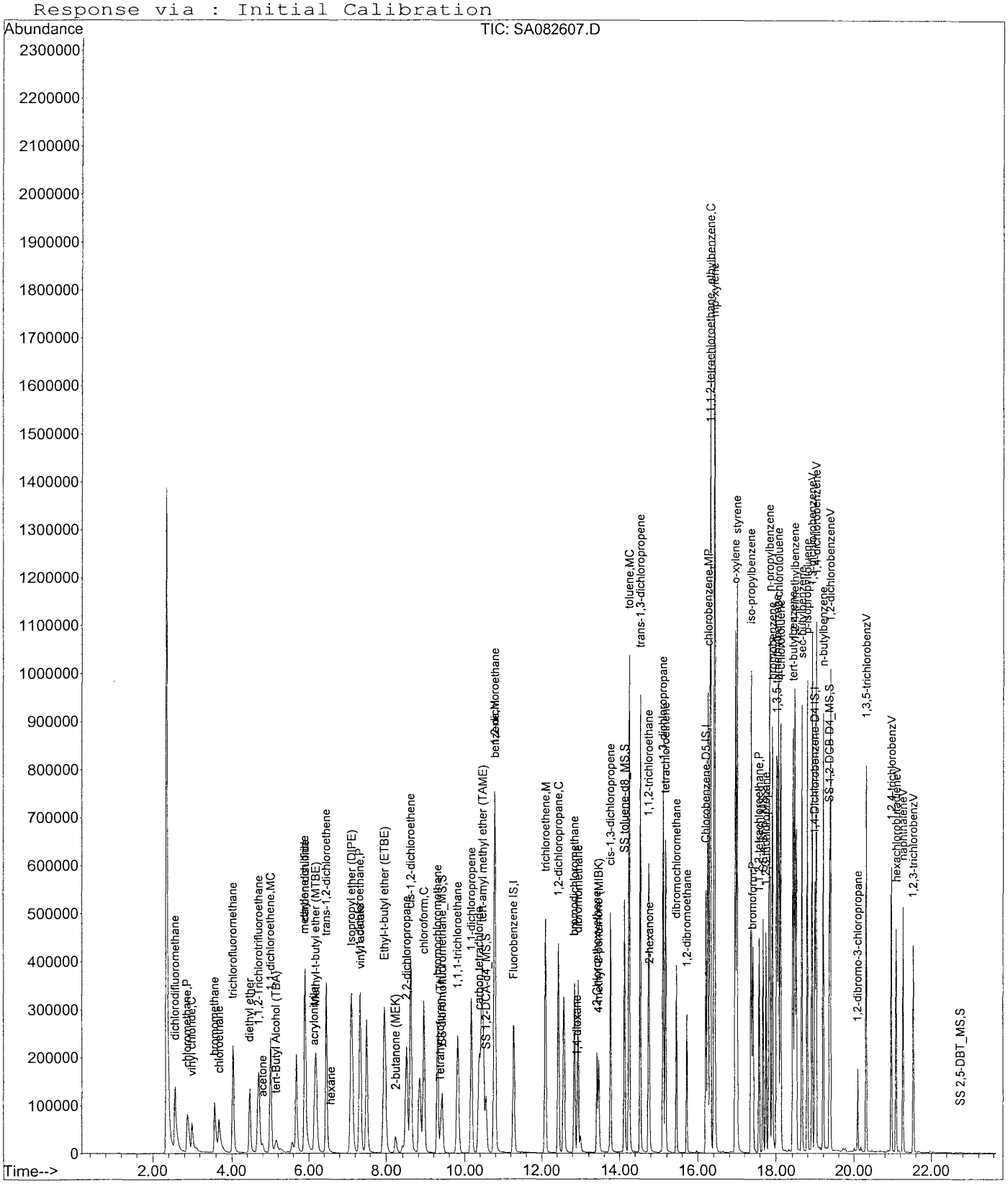
Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 1,4-dioxane	12.91	88	2786	32.196 ug/L #	84
42) dibromomethane	12.94	93	152830	21.232 ug/L	97
43) bromodichloromethane	12.85	83	274907	18.285 ug/L	99
44) 2-Chloroethoxyethene	13.41	63	98826	15.889 ug/L	96
45) 4-methyl-2-pentanone (MIBK	13.45	58	69101	19.610 ug/L #	64
46) cis-1,3-dichloropropene	13.76	75	320926	20.315 ug/L	99
49) toluene	14.24	91	908725	22.817 ug/L	99
50) trans-1,3-dichloropropene	14.52	75	280113	18.219 ug/L	97
51) 1,1,2-trichloroethane	14.74	83	168013	19.751 ug/L	97
52) 2-hexanone	14.76	43	106038	17.135 ug/L #	93
53) tetrachloroethene	15.16	166	220682	24.691 ug/L	96
54) 1,3-dichloropropane	15.10	76	333141	20.598 ug/L	98
55) dibromochloromethane	15.45	129	204287	20.657 ug/L	100
56) 1,2-dibromoethane	15.72	107	200217	20.913 ug/L	99
57) chlorobenzene	16.26	112	586894	21.387 ug/L	96
58) 1,1,1,2-tetrachloroethane	16.31	131	199348	22.616 ug/L	99
59) ethylbenzene	16.32	91	892695	23.115 ug/L	98
60) mp-xylene	16.41	106	667826	47.264 ug/L	96
61) o-xylene	16.94	106	341032	23.392 ug/L	97
62) styrene	16.99	104	614467	22.958 ug/L	96
63) bromoform	17.41	173	122236	18.116 ug/L #	99
64) iso-propylbenzene	17.37	105	688532	25.173 ug/L	99
67) bromobenzene	17.90	156	253968	21.060 ug/L	93
68) 1,1,2,2-tetrachloroethane	17.57	83	238172	17.935 ug/L	100
69) 1,2,3-trichloropropane	17.74	110	67494	18.468 ug/L	97
71) n-propylbenzene	17.84	91	840172	21.833 ug/L	99
72) 2-chlorotoluene	18.05	91	627521	20.037 ug/L	100
73) 4-chlorotoluene	18.10	91	597599	20.225 ug/L	97
74) 1,3,5-trimethylbenzene	18.02	105	559184	21.821 ug/L	100
75) tert-butylbenzene	18.42	119	456913m	21.562 ug/L	
76) 1,2,4-trimethylbenzene	18.46	105	596450	21.556 ug/L	99
77) sec-butylbenzene	18.65	105	612935	21.791 ug/L	98
78) 1,3-dichlorobenzeneV	18.91	146	381653	21.210 ug/L	98
79) p-isopropyltoluene	18.78	119	530657	22.414 ug/L	100
80) 1,4-dichlorobenzeneV	19.01	146	398713	21.158 ug/L	96
81) 1,2-dichlorobenzeneV	19.38	146	371992	20.150 ug/L	97
82) n-butylbenzene	19.19	91	461786	20.825 ug/L	97
84) 1,2-dibromo-3-chloropropan	20.10	75	31270	17.325 ug/L	93
85) 1,3,5-trichlorobenzV	20.31	180	223835	21.029 ug/L	99
86) 1,2,4-trichlorobenzV	20.96	180	197057	21.746 ug/L	97
87) hexachlorobutadieneV	21.09	225	102357	19.910 ug/L	99
88) naphthaleneV	21.26	128	375988	18.528 ug/L	99
89) 1,2,3-trichlorobenzV	21.52	180	150471	19.181 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : T:\1\DATA\AUG2610\SA082607.D Vial: 7
Acq On : 26 Aug 2010 3:14 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 9:03 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2610\SA082608.D Vial: 8
Acq On : 26 Aug 2010 3:50 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 16:15:09 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	419008	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	314179	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	146262	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	107597	9.78	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.79%			
35) SS 1,2-DCA-d4_MS	10.55	65	123218	9.37	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.67%			
48) SS toluene-d8_MS	14.12	98	410593	10.00	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.99%			
65) SS 4-BFB_MS	17.68	95	154837	9.98	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.78%			
83) SS 1,2-DCB-D4_MS	19.35	152	133823	9.77	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.66%			
90) SS 2,5-DBT_MS	22.73	250	182	4.19	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 10.47%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.57	85	285222	23.253	ug/L	99
3) chloromethane	2.87	50	220878	19.765	ug/L	99
4) vinyl chloride	2.99	62	123660	16.585	ug/L	99
5) bromomethane	3.56	94	124493	20.161	ug/L	99
6) chloroethane	3.68	64	117516	18.584	ug/L	99
7) trichlorofluoromethane	4.02	101	304330	21.105	ug/L	100
8) diethyl ether	4.47	59	125493	20.492	ug/L	93
9) 1,1,2-Trichlorotrifluoroet	4.69	101	142450	30.634	ug/L	99
11) acetone	4.80	43	36230	13.598	ug/L	95
12) 1,1-dichloroethene	5.00	96	150198	20.270	ug/L	93
13) tert-Butyl Alcohol (TBA)	5.15	59	54872	86.888	ug/L	89
15) methylene chloride	5.89	84	180232	19.238	ug/L	87
16) carbon disulfide	5.90	76	436981	17.973	ug/L	100
17) acrylonitrile	6.14	53	56647	15.928	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	404740	20.112	ug/L	98
19) trans-1,2-dichloroethene	6.45	96	219135	21.810	ug/L	94
20) hexane	6.59	57	1123	0.455	ug/L	95
21) Isopropyl ether (DIPE)	7.10	45	609850	18.497	ug/L	97
22) vinyl acetate	7.34	43	345102	17.925	ug/L #	94
23) 1,1-dichloroethane	7.32	63	396123	19.784	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	532193	19.477	ug/L	96
25) 2,2-dichloropropane	8.50	77	251491	19.294	ug/L	99
26) cis-1,2-dichloroethene	8.60	96	239674	20.644	ug/L	97
27) 2-butanone (MEK)	8.22	43	70970	16.053	ug/L	95
28) bromochloromethane	9.30	128	116476	20.529	ug/L	87
29) Tetrahydrofuran (THF)	9.39	42	42199	16.754	ug/L	91
30) chloroform	8.94	83	411247	20.997	ug/L	98
32) 1,1,1-trichloroethane	9.81	97	306035	20.846	ug/L	98
33) carbon tetrachloride	10.38	117	246802	19.866	ug/L	99
34) 1,1-dichloropropene	10.17	75	267377	20.287	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	450396	21.483	ug/L #	82
37) benzene	10.78	78	855860	21.324	ug/L	96
38) 1,2-dichloroethane	10.77	62	299580	18.962	ug/L	98
39) trichloroethene	12.09	95	221718	20.839	ug/L	97
40) 1,2-dichloropropane	12.44	63	225621	19.200	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2610\SA082608.D Vial: 8
Acq On : 26 Aug 2010 3:50 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 16:15:09 2010 Quant Results File: 4VID0723.RES

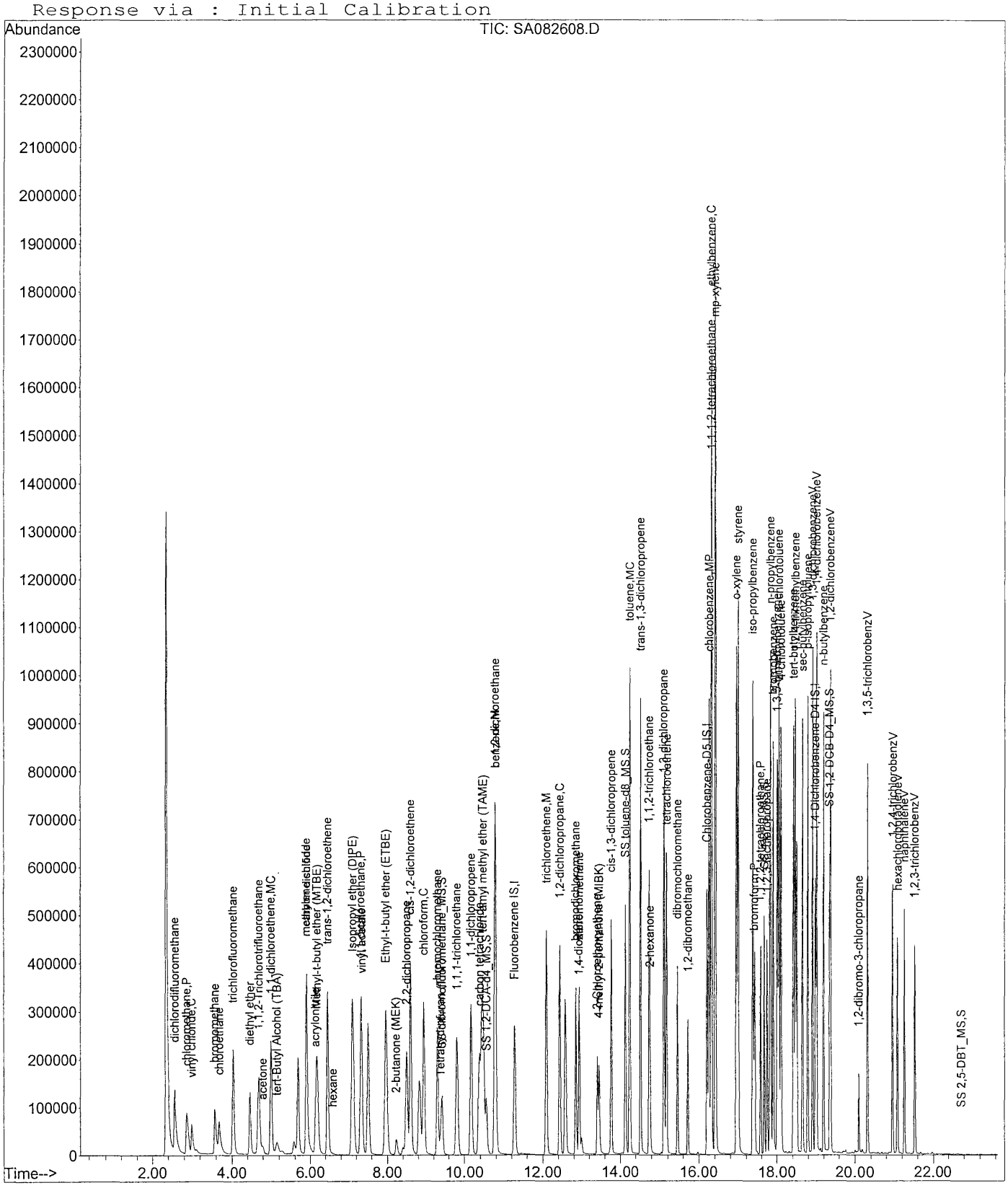
Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	1,4-dioxane	12.93	88	2619	30.205 ug/L	#	75
42)	dibromomethane	12.94	93	148673	20.613 ug/L		99
43)	bromodichloromethane	12.85	83	271007	17.987 ug/L		98
44)	2-Chloroethoxyethene	13.41	63	98945	15.879 ug/L		98
45)	4-methyl-2-pentanone (MIBK	13.45	58	66896	18.946 ug/L	#	63
46)	cis-1,3-dichloropropene	13.76	75	313741	19.821 ug/L		99
49)	toluene	14.24	91	881748	22.066 ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	279942	18.154 ug/L		96
51)	1,1,2-trichloroethane	14.74	83	169016	19.803 ug/L		99
52)	2-hexanone	14.76	43	100999	16.267 ug/L		91
53)	tetrachloroethene	15.18	166	213458	23.804 ug/L		98
54)	1,3-dichloropropane	15.10	76	319417	19.683 ug/L		99
55)	dibromochloromethane	15.45	129	203681	20.527 ug/L		99
56)	1,2-dibromoethane	15.72	107	196037	20.408 ug/L		98
57)	chlorobenzene	16.26	112	584220	21.219 ug/L		96
58)	1,1,1,2-tetrachloroethane	16.31	131	195205	22.072 ug/L		99
59)	ethylbenzene	16.32	91	877694	22.651 ug/L		98
60)	mp-xylene	16.41	106	657511	46.379 ug/L		96
61)	o-xylene	16.94	106	325215	22.232 ug/L		100
62)	styrene	16.99	104	590967	22.007 ug/L		97
63)	bromoform	17.41	173	123010	18.166 ug/L	#	99
64)	iso-propylbenzene	17.37	105	681115	24.819 ug/L		98
67)	bromobenzene	17.90	156	238660	20.063 ug/L		95
68)	1,1,2,2-tetrachloroethane	17.57	83	232170	17.724 ug/L		99
69)	1,2,3-trichloropropane	17.74	110	65528	18.177 ug/L		97
71)	n-propylbenzene	17.84	91	830730	21.885 ug/L		99
72)	2-chlorotoluene	18.05	91	609217	19.720 ug/L		99
73)	4-chlorotoluene	18.10	91	590749	20.269 ug/L		96
74)	1,3,5-trimethylbenzene	18.01	105	546939	21.637 ug/L		98
75)	tert-butylbenzene	18.42	119	457836m	21.903 ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	587825	21.537 ug/L		99
77)	sec-butylbenzene	18.65	105	601335	21.673 ug/L		98
78)	1,3-dichlorobenzeneV	18.91	146	377451	21.265 ug/L		97
79)	p-isopropyltoluene	18.78	119	526388	22.539 ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	381608	20.528 ug/L		96
81)	1,2-dichlorobenzeneV	19.38	146	356957	19.601 ug/L		98
82)	n-butylbenzene	19.19	91	459358	21.000 ug/L		96
84)	1,2-dibromo-3-chloropropan	20.10	75	29317	16.662 ug/L		91
85)	1,3,5-trichlorobenzV	20.31	180	229882	21.894 ug/L		97
86)	1,2,4-trichlorobenzV	20.96	180	190712	21.336 ug/L		100
87)	hexachlorobutadieneV	21.09	225	102277	20.168 ug/L		99
88)	naphthaleneV	21.26	128	370313	18.500 ug/L		98
89)	1,2,3-trichlorobenzV	21.52	180	148720	19.219 ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : T:\1\DATA\AUG2610\SA082608.D Vial: 8
Acq On : 26 Aug 2010 3:50 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 9:04 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



GC/MS QA-QC Check Report

Tune File : Y:\1\DATA\AUG2710\SA082701.D
Tune Time : 27 Aug 2010 9:12 am

Daily Calibration File : Y:\1\DATA\AUG2710\SA082702.D

						413880	315153	144650

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA082702.D	STD 20 M	100	94	100	103	413880	315153	144650
		98	44*					
SA082703.D	STD 20 G	97	91	98	96	419598	314933	141659
		99	17*					
SA082704.D	STD 2	99	93	98	97	406539	312459	145590
		100	15*					
SA082705.D	MB	96	95	96	95	400328	305675	136545
		101	11*					
SA082706.D	LCS	99	96	98	102	408081	314958	145015
		97	11*					
SA082707.D	LCSD	100	89	97	101	422953	316950	143886
		98	11*					
SA082709.D	91943.09	97	92	96	96	396504	299048	127996
		102	0*					
SA082710.D	92049.16	99	95	97	97	390509	296314	127102
		104	0*					
SA082711.D	92049.17	101	94	97	100	385858	288304	127660
		101	0*					
SA082712.D	92049.18	103	97	96	94	369138	285447	125834
		102	0*					
SA082713.D	92049.19	102	99	95	91	364543	280982	119713
		105	0*					
SA082714.D	92049.20	103	101	97	95	362585	275749	120713
		103	0*					
SA082715.D	92049.17	105	98	97	103	380615	293007	136838
		98	0*					
SA082716.D	92049.17	104	95	99	102	388008	293546	139113
		101	0*					
SA082717.D	LCS - Me	93	96	95	93	392470	297267	133689
		102	100					
SA082718.D	LCSD - M	96	98	97	93	385426	293127	127127
		105	98					
SA082719.D	MB - MeO	93	99	97	91	386957	288416	128265
		104	112					
SA082720.D	92173.01	94	99	91	115	374593	312753	152783
		97	110					

t - fails 12hr time check * - fails criteria

Created: Mon Aug 30 08:59:43 2010 VOAMS4

IS/SS ID= V- 3668
Standard ID= V- 3661A
Gas Standard ID= V- 3666
LCS/LCSD and/or MS/MSD Standard ID= V- 3667 (G)
V- 3660 (L)

Analyst: WSP

Date: 8/27/2010

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA082701	BFB					VOCMS		Autofind BFB		✓
2	02	STD 20 M					VOCMS	4VID0923	FB 413880 in control		✓
3	03	STD 20 G					VOCMS		FB 419598 ↓BM, acrolein, 2CEVE		✓
4	04	STD 2					VOCMS		ok		✓
5	05	MB					VOCMS		in control		✓
6	06	LCS					VOCMS		↑Freon 113, 14D		✓
7	07	LCSd					VOCMS		↑ Freon 113, 14D		✓
8	08	Blank					VOCMS				
9	09	91943.09	✓	✓		×1	VOCMS		iso-pb only		
10	10	92049.16	✓	✓		×1	VOCMS				
11	11	92049.17	✓	✓		×1	VOCMS				
12	12	92049.18	✓	✓		×1	VOCMS				
13	13	92049.19	✓	✓		×1	VOCMS				
14	14	92049.20	✓	✓		×1	VOCMS				
15	15	92049.17-MS	✓	✓		×1	VOCMS				
16	16	92049.17-MSD	✓	✓		×1	VOCMS				
17	17	LCS-MeOH					VOCMS		prep 8/25/10 in control		✓
18	18	LCSd-MeOH					VOCMS		in control		✓
19	19	MB-MeOH					VOCMS		prep 8/25/10 in control		✓
20	20	92173.01	✓		✓	×1	VOCMS		prep 8/25/10		
21	21	Blank					VOCMS				
22	22	BFB					VOCMS		Autofind BFB		✓
23	23	STD 20 M					VOCMS	4VID0923	FB:418558 ↓acetone, hexane, 22DCPA,		✓
24	24	STD 20 G					VOCMS		FB:399164 ↓BM, acrolein, 2CEVE		✓
25	25	STD 2					VOCMS		ok		✓
26	26	MB					VOCMS		in control		✓
27	27	92239.11		✓		×1	VOCMS		8260		
28	28	92239.12		✓		×1	VOCMS				
29	29	92239.13		✓		×1	VOCMS		TB		
30	30	92239.04		✓		×10	VOCMS		RRX1		
31	31	92239.05		✓		×10	VOCMS		RRX1		
32	32	92239.06		✓		×10	VOCMS		RRX1		
33	33	92239.07		✓		×10	VOCMS				
34	34	92239.08		✓		×10	VOCMS				
35	35	92239.09		✓		×10	VOCMS		RRX5		
36	36	92239.10		✓		×10	VOCMS		RRX1		
37	37	LCS					VOCMS		↑Freon 113, 14D ↓22DCPA, 2CEVE		✓
38	38	LCSd					VOCMS		↑Freon 113, 14D ↓22DCPA, 2CEVE		✓
39	39	Blank					VOCMS				
40	40	Blank					VOCMS				
41	41	92173.02	✓		✓	×1	VOCMS		prep 8/25/10 8260		
42	42	Blank					VOCMS				

Samples removed from autosampler, order and pH verified by WSP 8/30/10

BFB

Data File : Y:\1\DATA\AUG2710\SA082701.D
Acq On : 27 Aug 2010 9:12 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: RTEINT.P

Vial: 1
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane

AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1527

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	10793	PASS
75	95	30	60	44.9	30173	PASS
95	95	100	100	100.0	67194	PASS
96	95	5	9	7.4	4995	PASS
173	174	0.00	2	0.1	39	PASS
174	95	50	100	90.2	60594	PASS
175	174	5	9	7.3	4422	PASS
176	174	95	101	96.1	58218	PASS
177	176	5	9	6.4	3731	PASS

SA082701.D 4VID0723.M Mon Aug 30 13:16:16 2010

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2710\SA082702.D Vial: 2
Acq On : 27 Aug 2010 9:48 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	124	-0.01
2		dichlorodifluoromethane	-1.000	0.000	0.0	0	-2.56#
3	P	chloromethane	-1.000	0.037	0.0	0	0.00
4	C	vinyl chloride	-1.000	0.009	0.0	0	0.01
5		bromomethane	-1.000	0.353	0.0	0	0.01
6		chloroethane	-1.000	0.000	0.0	0	-3.67#
7		trichlorofluoromethane	-1.000	0.000	0.0	0	-4.02#
8		diethyl ether	20.000	18.688	6.6	113	-0.01
9		1,1,2-Trichlorotrifluoroeth	20.000	18.377	8.1	122	0.00
10		acrolein	-1.000	0.000	0.0	0	-4.68#
11		acetone	20.000	20.066	-0.3	128	0.01
12	MC	1,1-dichloroethene	20.000	20.837	-4.2#	134	0.00
13		tert-Butyl Alcohol (TBA)	100.000	94.267	5.7	114	0.00
14		iodomethane	20.000	0.000	100.0#	0	0.03
15		methylene chloride	20.000	21.218	-6.1	131	0.00
16		carbon disulfide	20.000	19.287	3.6	118	0.00
17		acrylonitrile	20.000	17.742	11.3	103	0.00
18		Methyl-t-butyl ether (MTBE)	40.000	41.192	-3.0	121	0.00
19		trans-1,2-dichloroethene	20.000	21.510	-7.6	129	0.00
20		hexane	20.000	18.817	5.9	134	0.00
21		Isopropyl ether (DIPE)	20.000	19.338	3.3	114	0.00
22		vinyl acetate	-1.000	0.000	0.0	0	-7.34#
23	P	1,1-dichloroethane	20.000	20.090	-0.4	124	0.00
24		Ethyl-t-butyl ether (ETBE)	20.000	20.434	-2.2	124	0.00
25		2,2-dichloropropane	20.000	19.789	1.1	139	0.00
26		cis-1,2-dichloroethene	20.000	21.611	-8.1	129	0.00
27		2-butanone (MEK)	20.000	18.783	6.1	119	-0.01
28		bromochloromethane	20.000	21.063	-5.3	127	0.00
29		Tetrahydrofuran (THF)	20.000	17.722	11.4	112	0.01
30	C	chloroform	20.000	20.347	-1.7	126	0.00
31	S	SS dibromofluoromethane_MS	10.000	10.035	-0.4	124	0.00
32		1,1,1-trichloroethane	20.000	20.786	-3.9	135	0.00
33		carbon tetrachloride	20.000	20.522	-2.6	148	-0.01
34		1,1-dichloropropene	20.000	20.748	-3.7	134	0.00
35	S	SS 1,2-DCA-d4_MS	10.000	9.409	5.9	115	0.00
36		tert-amyl methyl ether (TAM	20.000	21.373	-6.9	133	0.00
37	M	benzene	20.000	21.532	-7.7	126	-0.01
38		1,2-dichloroethane	20.000	19.309	3.5	116	0.00
39	M	trichloroethene	20.000	21.331	-6.7	134	0.00
40	C	1,2-dichloropropane	20.000	19.856	0.7	119	0.00
41		1,4-dioxane	40.000	8.056	79.9#	21	0.01
42		dibromomethane	20.000	20.506	-2.5	122	0.00
43		bromodichloromethane	20.000	18.651	6.7	122	0.00
44		2-Chloroethoxyethene	-1.000	3.015	0.0	0	0.04
45		4-methyl-2-pentanone (MIBK)	20.000	18.129	9.4	110	0.00
46		cis-1,3-dichloropropene	20.000	20.669	-3.3	122	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	126	0.00
48	S	SS toluene-d8_MS	10.000	9.997	0.0	126	0.00
49	MC	toluene	20.000	22.092	-10.5	129	0.00
50		trans-1,3-dichloropropene	20.000	18.568	7.2	122	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2710\SA082702.D Vial: 2
Acq On : 27 Aug 2010 9:48 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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)
51		1,1,2-trichloroethane	20.000	19.778	1.1	121	0.00
52		2-hexanone	20.000	18.106	9.5	113	0.00
53		tetrachloroethene	20.000	22.807	-14.0	146	0.00
54		1,3-dichloropropane	20.000	19.679	1.6	118	0.00
55		dibromochloromethane	20.000	20.817	-4.1	129	0.00
56		1,2-dibromoethane	20.000	21.052	-5.3	126	0.00
57	MP	chlorobenzene	20.000	21.635	-8.2	132	0.00
58		1,1,1,2-tetrachloroethane	20.000	22.949	-14.7	134	0.00
59	C	ethylbenzene	20.000	23.021	-15.1	133	0.00
60		mp-xylene	40.000	46.432	-16.1	132	0.00
61		o-xylene	20.000	22.856	-14.3	132	0.00
62		styrene	20.000	22.672	-13.4	128	0.00
63	P	bromoform	20.000	19.045	4.8	133	0.00
64		iso-propylbenzene	20.000	22.859	-14.3	138	0.00
65	S	SS 4-BFB_MS	10.000	10.267	-2.7	128	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	130	0.00
67		bromobenzene	20.000	20.963	-4.8	131	0.00
68	P	1,1,2,2-tetrachloroethane	20.000	18.511	7.4	117	0.00
69		1,2,3-trichloropropane	20.000	18.804	6.0	120	0.00
70		t-1,4-dichloro-2-butene	20.000	0.000	100.0#	0	0.03
71		n-propylbenzene	20.000	21.315	-6.6	134	0.00
72		2-chlorotoluene	20.000	20.199	-1.0	128	0.00
73		4-chlorotoluene	20.000	20.911	-4.6	129	0.00
74		1,3,5-trimethylbenzene	20.000	22.051	-10.3	136	0.00
75		tert-butylbenzene	20.000	22.205	-11.0	139	0.00
76		1,2,4-trimethylbenzene	20.000	21.256	-6.3	129	0.00
77		sec-butylbenzene	20.000	22.279	-11.4	140	0.00
78		1,3-dichlorobenzeneV	20.000	21.261	-6.3	135	0.00
79		p-isopropyltoluene	20.000	22.634	-13.2	140	0.00
80		1,4-dichlorobenzeneV	20.000	20.799	-4.0	132	0.00
81		1,2-dichlorobenzeneV	20.000	20.754	-3.8	132	0.00
82		n-butylbenzene	20.000	21.887	-9.4	137	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	9.757	2.4	127	0.00
84		1,2-dibromo-3-chloropropane	20.000	17.622	11.9	116	0.00
85		1,3,5-trichlorobenzV	20.000	22.212	-11.1	144	0.00
86		1,2,4-trichlorobenzV	20.000	22.072	-10.4	140	0.00
87		hexachlorobutadieneV	20.000	20.489	-2.4	142	0.00
88		naphthaleneV	20.000	20.041	-0.2	124	0.00
89		1,2,3-trichlorobenzV	20.000	19.760	1.2	124	0.00
90	S	SS 2,5-DBT_MS	20.000	17.461	12.7	113	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2710\SA082703.D Vial: 3
Acq On : 27 Aug 2010 10:24 am Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	125	-0.01
2		dichlorodifluoromethane	20.000	17.813	10.9	116	0.01
3	P	chloromethane	20.000	18.033	9.8	112	0.01
4	C	vinyl chloride	20.000	18.236	8.8	138	0.01
5		bromomethane	20.000	11.612	41.9#	74	0.00
6		chloroethane	20.000	18.329	8.4	115	0.01
7		trichlorofluoromethane	20.000	19.562	2.2	126	0.01
8		diethyl ether	-1.000	0.000	0.0	0	-4.47#
9		1,1,2-Trichlorotrifluoroeth	-1.000	0.000	0.0	0	-4.69#
10		acrolein	20.000	10.723	46.4#	69	0.01
11		acetone	-1.000	0.000	0.0	0	-4.79#
12	MC	1,1-dichloroethene	-1.000	0.000	0.0	0	-5.00#
13		tert-Butyl Alcohol (TBA)	-1.000	0.000	0.0	0	-5.15#
14		iodomethane	-1.000	0.000	0.0	0	-5.56#
15		methylene chloride	-1.000	0.000	0.0	0	-5.89#
16		carbon disulfide	-1.000	0.000	0.0	0	-5.91#
17		acrylonitrile	-1.000	0.000	0.0	0	-6.14#
18		Methyl-t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-6.18#
19		trans-1,2-dichloroethene	-1.000	0.000	0.0	0	-6.45#
20		hexane	-1.000	0.000	0.0	0	-6.58#
21		Isopropyl ether (DIPE)	-1.000	0.000	0.0	0	-7.10#
22		vinyl acetate	20.000	18.418	7.9	128	0.00
23	P	1,1-dichloroethane	-1.000	0.000	0.0	0	-7.32#
24		Ethyl-t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-7.96#
25		2,2-dichloropropane	-1.000	1.528	0.0	0	-8.50#
26		cis-1,2-dichloroethene	-1.000	0.000	0.0	0	-8.60#
27		2-butanone (MEK)	-1.000	0.000	0.0	0	-8.23#
28		bromochloromethane	-1.000	0.000	0.0	0	-9.29#
29		Tetrahydrofuran (THF)	-1.000	0.000	0.0	0	-9.38#
30	C	chloroform	-1.000	0.000	0.0	0	-8.94#
31	S	SS dibromofluoromethane_MS	10.000	9.669	3.3	121	0.00
32		1,1,1-trichloroethane	-1.000	0.000	0.0	0	-9.81#
33		carbon tetrachloride	-1.000	2.423	0.0	0	-10.38#
34		1,1-dichloropropene	-1.000	0.000	0.0	0	-10.17#
35	S	SS 1,2-DCA-d4_MS	10.000	9.067	9.3	113	0.00
36		tert-amyl methyl ether (TAM	-1.000	0.000	0.0	0	-10.46#
37	M	benzene	-1.000	0.000	0.0	0	-10.78#
38		1,2-dichloroethane	-1.000	0.000	0.0	0	-10.77#
39	M	trichloroethene	-1.000	0.000	0.0	0	-12.09#
40	C	1,2-dichloropropane	-1.000	0.000	0.0	0	-12.44#
41		1,4-dioxane	40.000	36.047	9.9	97	-0.02
42		dibromomethane	-1.000	0.000	0.0	0	-12.94#
43		bromodichloromethane	-1.000	-0.131	0.0	0	-12.85#
44		2-Chloroethoxyethene	20.000	14.892	25.5#	88	0.00
45		4-methyl-2-pentanone (MIBK)	-1.000	0.000	0.0	0	-13.45#
46		cis-1,3-dichloropropene	-1.000	0.000	0.0	0	-13.76#
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	126	0.00
48	S	SS toluene-d8_MS	10.000	9.799	2.0	123	0.00
49	MC	toluene	-1.000	0.000	0.0	0	-14.24#
50		trans-1,3-dichloropropene	-1.000	1.509	0.0	0	-14.52#
51		1,1,2-trichloroethane	-1.000	0.000	0.0	0	-14.74#
52		2-hexanone	-1.000	0.000	0.0	0	-14.76#
53		tetrachloroethene	-1.000	0.000	0.0	0	-15.16#
54		1,3-dichloropropane	-1.000	0.000	0.0	0	-15.10#
55		dibromochloromethane	-1.000	0.000	0.0	0	-15.45#
56		1,2-dibromoethane	-1.000	0.000	0.0	0	-15.72#

57	MP	chlorobenzene	-1.000	0.000	0.0	0	-16.26#
58		1,1,1,2-tetrachloroethane	-1.000	0.000	0.0	0	-16.31#
59	C	ethylbenzene	-1.000	0.000	0.0	0	-16.32#
60		mp-xylene	-1.000	0.000	0.0	0	-16.41#
61		o-xylene	-1.000	0.000	0.0	0	-16.95#
62		styrene	-1.000	0.000	0.0	0	-16.99#
63	P	bromoform	-1.000	1.379	0.0	0	-17.41#
64		iso-propylbenzene	-1.000	0.000	0.0	0	-17.37#
65	S	SS 4-BFB_MS	10.000	9.608	3.9	120	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	128	0.00
67		bromobenzene	-1.000	0.000	0.0	0	-17.90#
68	P	1,1,2,2-tetrachloroethane	-1.000	0.000	0.0	0	-17.57#
69		1,2,3-trichloropropane	-1.000	0.000	0.0	0	-17.74#
70		t-1,4-dichloro-2-butene	-1.000	0.000	0.0	0	-17.81#
71		n-propylbenzene	-1.000	0.000	0.0	0	-17.84#
72		2-chlorotoluene	-1.000	0.000	0.0	0	-18.05#
73		4-chlorotoluene	-1.000	0.000	0.0	0	-18.10#
74		1,3,5-trimethylbenzene	-1.000	0.000	0.0	0	-18.01#
75		tert-butylbenzene	-1.000	0.000	0.0	0	-18.42#
76		1,2,4-trimethylbenzene	-1.000	0.000	0.0	0	-18.46#
77		sec-butylbenzene	-1.000	0.000	0.0	0	-18.65#
78		1,3-dichlorobenzeneV	-1.000	0.000	0.0	0	-18.91#
79		p-isopropyltoluene	-1.000	0.000	0.0	0	-18.78#
80		1,4-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.01#
81		1,2-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.38#
82		n-butylbenzene	-1.000	0.000	0.0	0	-19.19#
83	S	SS 1,2-DCB-D4_MS	10.000	9.901	1.0	126	0.00
84		1,2-dibromo-3-chloropropane	-1.000	3.950	0.0	0	-20.10#
85		1,3,5-trichlorobenzV	-1.000	0.000	0.0	0	-20.31#
86		1,2,4-trichlorobenzV	-1.000	0.000	0.0	0	-20.96#
87		hexachlorobutadieneV	-1.000	0.000	0.0	0	-21.09#
88		naphthaleneV	-1.000	0.000	0.0	0	-21.26#
89		1,2,3-trichlorobenzV	-1.000	0.000	0.0	0	-21.52#
90	S	SS 2,5-DBT_MS	-1.000	4.124	0.0	0	-22.73#

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

SA072312.D 4VID0723.M Mon Aug 30 14:01:31 2010

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2710\SA082702.D Vial: 2
Acq On : 27 Aug 2010 9:48 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 10:44:37 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	413880	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	315153	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	144650	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	109063	10.04	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.35%			
35) SS 1,2-DCA-d4_MS	10.55	65	122248	9.41	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.09%			
48) SS toluene-d8_MS	14.13	98	411774	10.00	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.97%			
65) SS 4-BFB_MS	17.68	95	159815	10.27	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 102.67%			
83) SS 1,2-DCB-D4_MS	19.35	152	132223	9.76	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.57%			
90) SS 2,5-DBT_MS	22.73	250	36775	17.46	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 43.65%#			
Target Compounds						Qvalue
5) bromomethane	3.59	94	2150	0.353	ug/L #	53
8) diethyl ether	4.45	59	113049	18.688	ug/L	92
9) 1,1,2-Trichlorotrifluoroet	4.69	101	84408	18.377	ug/L	97
11) acetone	4.80	43	52807	20.066	ug/L	92
12) 1,1-dichloroethene	5.00	96	152507	20.837	ug/L	90
13) tert-Butyl Alcohol (TBA)	5.15	59	58803	94.267	ug/L #	85
15) methylene chloride	5.89	84	196350	21.218	ug/L	88
16) carbon disulfide	5.90	76	463204	19.287	ug/L	100
17) acrylonitrile	6.14	53	62326	17.742	ug/L	98
18) Methyl-t-butyl ether (MTBE	6.18	73	818837	41.192	ug/L	97
19) trans-1,2-dichloroethene	6.45	96	213469	21.510	ug/L	93
20) hexane	6.58	57	45877	18.817	ug/L #	88
21) Isopropyl ether (DIPE)	7.10	45	629778	19.338	ug/L	97
23) 1,1-dichloroethane	7.32	63	397344	20.090	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	551510	20.434	ug/L	97
25) 2,2-dichloropropane	8.50	77	255344	19.789	ug/L	98
26) cis-1,2-dichloroethene	8.60	96	247832	21.611	ug/L	96
27) 2-butanone (MEK)	8.22	43	82021	18.783	ug/L	93
28) bromochloromethane	9.30	128	118040	21.063	ug/L	87
29) Tetrahydrofuran (THF)	9.39	42	44090	17.722	ug/L	93
30) chloroform	8.94	83	393635	20.347	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	301427	20.786	ug/L	98
33) carbon tetrachloride	10.37	117	252942	20.522	ug/L	98
34) 1,1-dichloropropene	10.17	75	270098	20.748	ug/L	97
36) tert-amyl methyl ether (TA	10.46	73	442610	21.373	ug/L #	89
37) benzene	10.77	78	853626	21.532	ug/L	97
38) 1,2-dichloroethane	10.77	62	301332	19.309	ug/L	98
39) trichloroethene	12.09	95	224177	21.331	ug/L	96
40) 1,2-dichloropropane	12.44	63	230472	19.856	ug/L	95
41) 1,4-dioxane	12.94	88	690	8.056	ug/L #	23
42) dibromomethane	12.94	93	146093	20.506	ug/L	97
43) bromodichloromethane	12.85	83	277510	18.651	ug/L	99
44) 2-Chloroethoxyethene	13.44	63	192	3.015	ug/L #	1
45) 4-methyl-2-pentanone (MIBK	13.45	58	63225	18.129	ug/L	94
46) cis-1,3-dichloropropene	13.76	75	323171	20.669	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2710\SA082702.D Vial: 2
Acq On : 27 Aug 2010 9:48 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 10:44:37 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

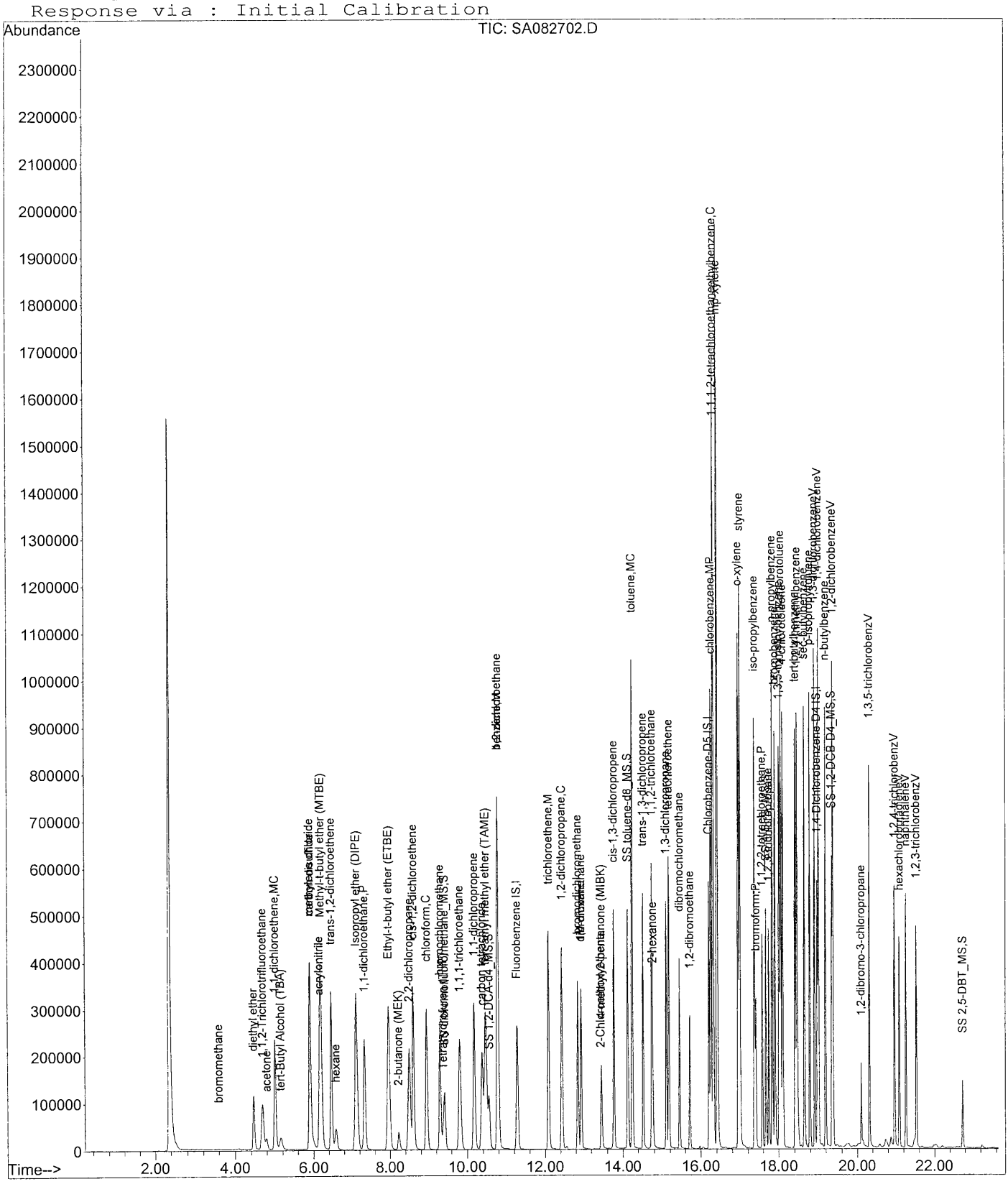
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
49)	toluene	14.24	91	885520	22.092 ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	287795	18.568 ug/L		97
51)	1,1,2-trichloroethane	14.74	83	169324	19.778 ug/L		99
52)	2-hexanone	14.76	43	112765	18.106 ug/L	#	93
53)	tetrachloroethene	15.16	166	205151	22.807 ug/L		98
54)	1,3-dichloropropane	15.10	76	320328	19.679 ug/L		98
55)	dibromochloromethane	15.45	129	207191	20.817 ug/L		100
56)	1,2-dibromoethane	15.72	107	202849	21.052 ug/L		99
57)	chlorobenzene	16.26	112	597523	21.635 ug/L		94
58)	1,1,1,2-tetrachloroethane	16.31	131	203590	22.949 ug/L		99
59)	ethylbenzene	16.32	91	894781	23.021 ug/L		98
60)	mp-xylene	16.41	106	660311	46.432 ug/L		98
61)	o-xylene	16.95	106	335379	22.856 ug/L		97
62)	styrene	16.99	104	610728	22.672 ug/L		96
63)	bromoform	17.41	173	129853	19.045 ug/L	#	100
64)	iso-propylbenzene	17.37	105	629274	22.859 ug/L		99
67)	bromobenzene	17.90	156	246618	20.963 ug/L		95
68)	1,1,2,2-tetrachloroethane	17.57	83	239807	18.511 ug/L		99
69)	1,2,3-trichloropropane	17.74	110	67042	18.804 ug/L		98
71)	n-propylbenzene	17.84	91	800162	21.315 ug/L		98
72)	2-chlorotoluene	18.05	91	617124	20.199 ug/L		98
73)	4-chlorotoluene	18.10	91	602739	20.911 ug/L		98
74)	1,3,5-trimethylbenzene	18.01	105	551263	22.051 ug/L		99
75)	tert-butylbenzene	18.42	119	459033m	22.205 ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	573766	21.256 ug/L		99
77)	sec-butylbenzene	18.65	105	611358	22.279 ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	373225	21.261 ug/L		97
79)	p-isopropyltoluene	18.78	119	522766	22.634 ug/L		100
80)	1,4-dichlorobenzeneV	19.01	146	382377	20.799 ug/L		96
81)	1,2-dichlorobenzeneV	19.38	146	373780	20.754 ug/L		97
82)	n-butylbenzene	19.19	91	473488	21.887 ug/L		98
84)	1,2-dibromo-3-chloropropan	20.10	75	31183	17.622 ug/L	#	70
85)	1,3,5-trichlorobenzV	20.31	180	230648	22.212 ug/L		96
86)	1,2,4-trichlorobenzV	20.96	180	195117	22.072 ug/L		98
87)	hexachlorobutadieneV	21.09	225	102761	20.489 ug/L		99
88)	naphthaleneV	21.26	128	396745	20.041 ug/L		99
89)	1,2,3-trichlorobenzV	21.52	180	151225	19.760 ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2710\SA082702.D Vial: 2
Acq On : 27 Aug 2010 9:48 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 10:46 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2710\SA082703.D Vial: 3
Acq On : 27 Aug 2010 10:24 am Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 10:54:55 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	419598	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	314933	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	141659	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	106529	9.67	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.69%			
35) SS 1,2-DCA-d4_MS	10.55	65	119436	9.07	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 90.67%			
48) SS toluene-d8_MS	14.12	98	403326	9.80	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.99%			
65) SS 4-BFB_MS	17.68	95	149451	9.61	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.08%			
83) SS 1,2-DCB-D4_MS	19.35	152	131400	9.90	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.01%			
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	2.57	85	218807	17.813	ug/L	98
3) chloromethane	2.88	50	201809	18.033	ug/L	100
4) vinyl chloride	3.00	62	136165	18.236	ug/L	100
5) bromomethane	3.58	94	71802	11.612	ug/L	100
6) chloroethane	3.68	64	116070	18.329	ug/L	100
7) trichlorofluoromethane	4.03	101	282472	19.562	ug/L	100
10) acrolein	4.69	56	14311	10.723	ug/L	96
22) vinyl acetate	7.34	43	355103	18.418	ug/L	96
41) 1,4-dioxane	12.90	88	3130	36.047	ug/L #	89
44) 2-Chloroethoxyethene	13.41	63	91499	14.892	ug/L	97

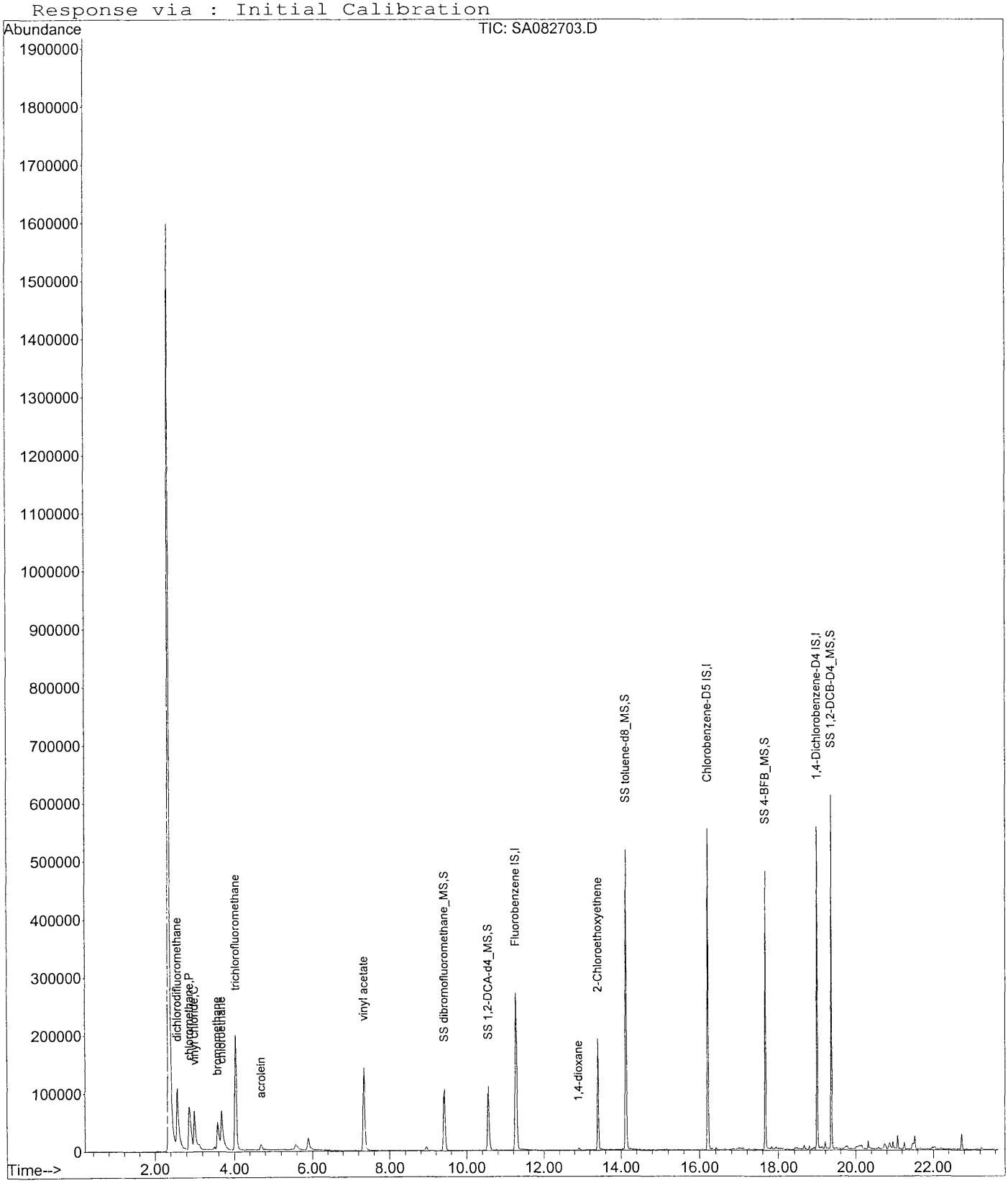
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2710\SA082703.D
Acq On : 27 Aug 2010 10:24 am
Sample : STD 20 G
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 30 14:01 2010

Vial: 3
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00
Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2710\SA082705.D Vial: 5
Acq On : 27 Aug 2010 11:35 am Operator: KJP
Sample : BlnkA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 12:20:37 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

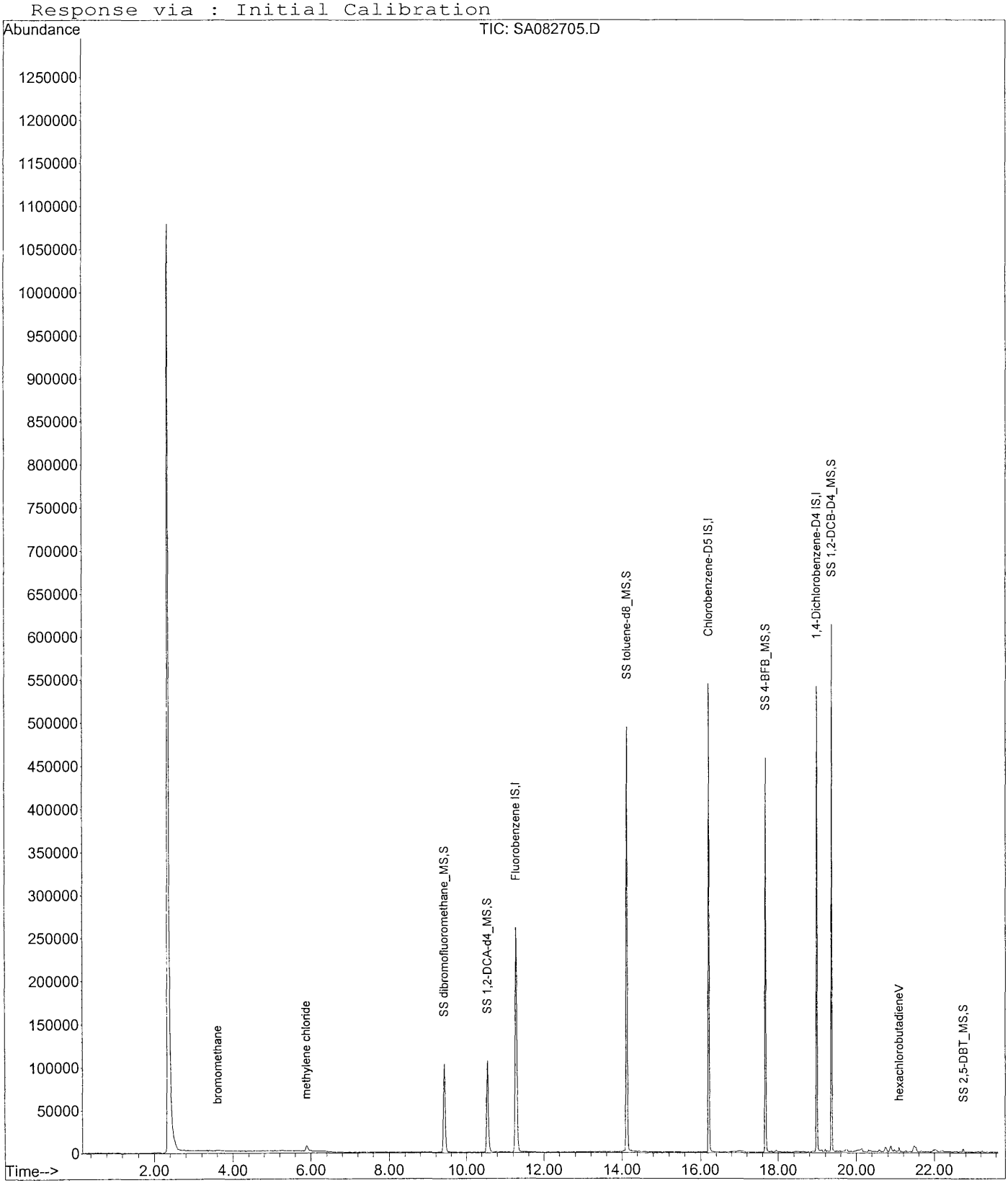
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	400328	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	305675	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	136545	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	100779	9.59	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.87%			
35) SS 1,2-DCA-d4_MS	10.55	65	119159	9.48	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.81%			
48) SS toluene-d8_MS	14.12	98	382098	9.56	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.64%			
65) SS 4-BFB_MS	17.68	95	143356	9.50	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 94.95%			
83) SS 1,2-DCB-D4_MS	19.35	152	129136	10.09	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.95%			
90) SS 2,5-DBT_MS	22.74	250	1210	4.59	ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 11.47%#			
Target Compounds						Qvalue
5) bromomethane	3.61	94	1619	0.274	ug/L #	50
15) methylene chloride	5.89	84	6114	0.683	ug/L	87
87) hexachlorobutadieneV	21.09	225	1463	0.309	ug/L #	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2710\SA082705.D Vial: 5
Acq On : 27 Aug 2010 11:35 am Operator: KJP
Sample : BlnkA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 12:20 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2710\SA082706.D Vial: 6
Acq On : 27 Aug 2010 12:11 pm Operator: KJP
Sample : LCSaA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 12:38:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	408081	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	314958	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	145015	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	106361	9.93	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.26%			
35) SS 1,2-DCA-d4_MS	10.55	65	123031	9.60	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.04%			
48) SS toluene-d8_MS	14.12	98	403754	9.81	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.08%			
65) SS 4-BFB_MS	17.68	95	157935	10.15	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.53%			
83) SS 1,2-DCB-D4_MS	19.35	152	132274	9.74	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.36%			
90) SS 2,5-DBT_MS	22.74	250	360	4.25	ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 10.63%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	283304	23.715	ug/L	98
3) chloromethane	2.87	50	212215	19.498	ug/L	98
4) vinyl chloride	2.99	62	122691	16.895	ug/L	98
5) bromomethane	3.56	94	125571	20.881	ug/L	99
6) chloroethane	3.68	64	121962	19.803	ug/L	99
7) trichlorofluoromethane	4.02	101	302097	21.511	ug/L	100
8) diethyl ether	4.47	59	127308	21.345	ug/L	93
9) 1,1,2-Trichlorotrifluoroet	4.69	101	137510	30.363	ug/L	98
11) acetone	4.80	43	38684	14.908	ug/L	93
12) 1,1-dichloroethene	5.00	96	151847	21.041	ug/L	91
13) tert-Butyl Alcohol (TBA)	5.15	59	55265	89.854	ug/L #	84
15) methylene chloride	5.89	84	185314	20.310	ug/L	86
16) carbon disulfide	5.90	76	434597	18.353	ug/L	100
17) acrylonitrile	6.14	53	59063	17.052	ug/L	98
18) Methyl-t-butyl ether (MTBE	6.18	73	412048	21.023	ug/L	97
19) trans-1,2-dichloroethene	6.45	96	226403	23.137	ug/L	93
20) hexane	6.57	57	1238	0.515	ug/L	92
21) Isopropyl ether (DIPE)	7.10	45	627336	19.537	ug/L	97
22) vinyl acetate	7.34	43	352699	18.810	ug/L #	94
23) 1,1-dichloroethane	7.32	63	407519	20.898	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	557071	20.933	ug/L	97
25) 2,2-dichloropropane	8.50	77	258053	20.245	ug/L	99
26) cis-1,2-dichloroethene	8.60	96	245212	21.687	ug/L	97
27) 2-butanone (MEK)	8.23	43	74675	17.344	ug/L	94
28) bromochloromethane	9.30	128	117170	21.205	ug/L	88
29) Tetrahydrofuran (THF)	9.38	42	45222	18.435	ug/L	91
30) chloroform	8.94	83	412181	21.608	ug/L	98
32) 1,1,1-trichloroethane	9.81	97	307806	21.528	ug/L	97
33) carbon tetrachloride	10.37	117	253129	20.793	ug/L	98
34) 1,1-dichloropropene	10.16	75	271724	21.169	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	465717	22.808	ug/L #	81
37) benzene	10.78	78	874562	22.373	ug/L	96
38) 1,2-dichloroethane	10.77	62	304096	19.763	ug/L	99
39) trichloroethene	12.08	95	224672	21.682	ug/L	97
40) 1,2-dichloropropane	12.44	63	232147	20.285	ug/L	96

(#) = qualifier out of range (m) = manual integration

Data File : T:\1\DATA\AUG2710\SA082706.D Vial: 6
Acq On : 27 Aug 2010 12:11 pm Operator: KJP
Sample : LCSaA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 12:38:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

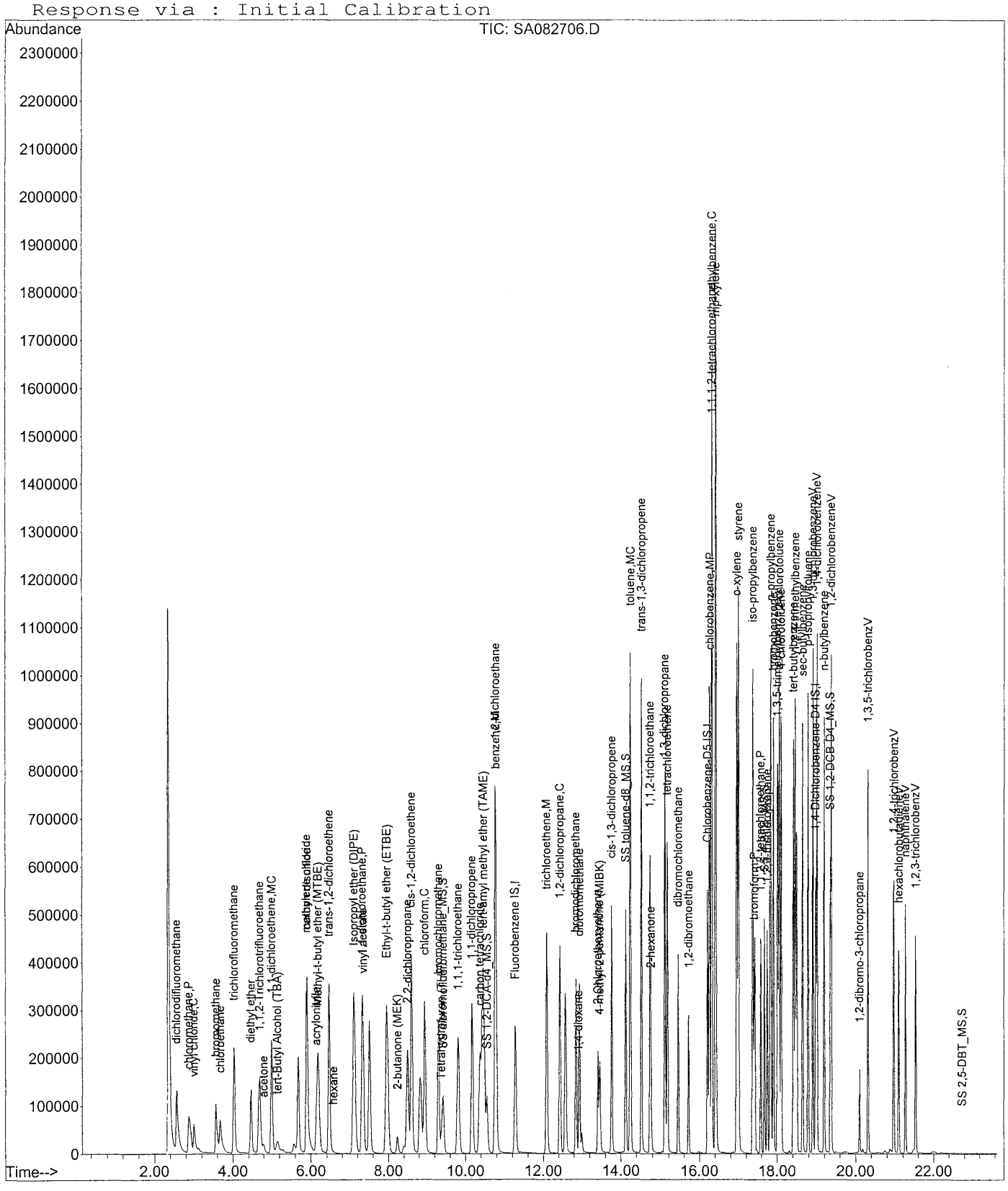
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 1,4-dioxane	12.91	88	2505	29.664 ug/L #	88
42) dibromomethane	12.94	93	151380	21.550 ug/L	96
43) bromodichloromethane	12.85	83	280185	19.102 ug/L	99
44) 2-Chloroethoxyethene	13.41	63	102729	16.730 ug/L	97
45) 4-methyl-2-pentanone (MIBK	13.45	58	68446	19.905 ug/L #	61
46) cis-1,3-dichloropropene	13.76	75	329068	21.345 ug/L	99
49) toluene	14.24	91	894752	22.336 ug/L	100
50) trans-1,3-dichloropropene	14.52	75	290580	18.743 ug/L	97
51) 1,1,2-trichloroethane	14.74	83	172258	20.133 ug/L	99
52) 2-hexanone	14.76	43	107592	17.286 ug/L	96
53) tetrachloroethene	15.16	166	217934	24.243 ug/L	97
54) 1,3-dichloropropane	15.10	76	328718	20.206 ug/L	99
55) dibromochloromethane	15.45	129	215311	21.646 ug/L	98
56) 1,2-dibromoethane	15.72	107	199103	20.676 ug/L	98
57) chlorobenzene	16.26	112	590915	21.409 ug/L	96
58) 1,1,1,2-tetrachloroethane	16.31	131	202753	22.869 ug/L	99
59) ethylbenzene	16.32	91	884480	22.770 ug/L	99
60) mp-xylene	16.41	106	654257	46.035 ug/L	97
61) o-xylene	16.94	106	337039	22.984 ug/L	95
62) styrene	16.99	104	603047	22.401 ug/L	96
63) bromoform	17.41	173	128657	18.893 ug/L #	97
64) iso-propylbenzene	17.37	105	690720	25.107 ug/L	98
67) bromobenzene	17.90	156	250437	21.234 ug/L	95
68) 1,1,2,2-tetrachloroethane	17.57	83	239198	18.417 ug/L	99
69) 1,2,3-trichloropropane	17.74	110	67426	18.864 ug/L	96
71) n-propylbenzene	17.84	91	829994	22.054 ug/L	100
72) 2-chlorotoluene	18.05	91	606449	19.799 ug/L	98
73) 4-chlorotoluene	18.10	91	606612	20.992 ug/L	98
74) 1,3,5-trimethylbenzene	18.01	105	532868	21.262 ug/L	98
75) tert-butylbenzene	18.42	119	447855m	21.610 ug/L	
76) 1,2,4-trimethylbenzene	18.46	105	585739	21.645 ug/L	97
77) sec-butylbenzene	18.65	105	596195	21.672 ug/L	98
78) 1,3-dichlorobenzeneV	18.91	146	373624	21.230 ug/L	97
79) p-isopropyltoluene	18.78	119	529039	22.848 ug/L	100
80) 1,4-dichlorobenzeneV	19.01	146	384495	20.862 ug/L	96
81) 1,2-dichlorobenzeneV	19.38	146	370527	20.521 ug/L	98
82) n-butylbenzene	19.19	91	458927	21.161 ug/L	96
84) 1,2-dibromo-3-chloropropan	20.10	75	31802	17.858 ug/L	90
85) 1,3,5-trichlorobenzV	20.31	180	219179	21.054 ug/L	99
86) 1,2,4-trichlorobenzV	20.96	180	196370	22.157 ug/L	98
87) hexachlorobutadieneV	21.09	225	95908	19.075 ug/L	98
88) naphthaleneV	21.26	128	380120	19.153 ug/L	99
89) 1,2,3-trichlorobenzV	21.52	180	152180	19.835 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2710\SA082706.D Vial: 6
Acq On : 27 Aug 2010 12:11 pm Operator: KJP
Sample : LCSaA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 12:41 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2710\SA082707.D Vial: 7
Acq On : 27 Aug 2010 12:47 pm Operator: KJP
Sample : LCSDA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 13:25:33 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	422953	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	316950	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	143886	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	110845	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.81%			
35) SS 1,2-DCA-d4_MS	10.55	65	118283	8.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 89.08%			
48) SS toluene-d8_MS	14.13	98	401007	9.68	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.80%			
65) SS 4-BFB_MS	17.68	95	158686	10.14	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.37%			
83) SS 1,2-DCB-D4_MS	19.35	152	132176	9.81	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.05%			
90) SS 2,5-DBT_MS	22.73	250	235	4.21	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 10.52%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	291733	23.562	ug/L	99
3) chloromethane	2.87	50	219643	19.471	ug/L	99
4) vinyl chloride	2.99	62	119773	15.913	ug/L	98
5) bromomethane	3.56	94	123410	19.800	ug/L	99
6) chloroethane	3.67	64	119951	18.792	ug/L	98
7) trichlorofluoromethane	4.02	101	298567	20.512	ug/L	100
8) diethyl ether	4.47	59	128298	20.754	ug/L	93
9) 1,1,2-Trichlorotrifluoroet	4.69	101	138637	29.535	ug/L	98
11) acetone	4.80	43	40932	15.220	ug/L	95
12) 1,1-dichloroethene	5.00	96	151978	20.319	ug/L	91
13) tert-Butyl Alcohol (TBA)	5.15	59	62490	98.028	ug/L #	82
15) methylene chloride	5.89	84	182279	19.275	ug/L	88
16) carbon disulfide	5.90	76	428541	17.461	ug/L	100
17) acrylonitrile	6.14	53	58622	16.330	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	418067	20.580	ug/L	97
19) trans-1,2-dichloroethene	6.45	96	222422	21.931	ug/L	93
20) hexane	6.59	57	912	0.366	ug/L #	15
21) Isopropyl ether (DIPE)	7.10	45	629564	18.917	ug/L	97
22) vinyl acetate	7.34	43	366825	18.875	ug/L	96
23) 1,1-dichloroethane	7.32	63	402006	19.890	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	547366	19.845	ug/L	96
25) 2,2-dichloropropane	8.50	77	250226	19.040	ug/L	98
26) cis-1,2-dichloroethene	8.60	96	245635	20.960	ug/L	98
27) 2-butanone (MEK)	8.23	43	75565	16.933	ug/L	93
28) bromochloromethane	9.30	128	120515	21.043	ug/L	87
29) Tetrahydrofuran (THF)	9.38	42	48437	19.051	ug/L	94
30) chloroform	8.94	83	404543	20.462	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	305376	20.607	ug/L	97
33) carbon tetrachloride	10.37	117	253446	20.169	ug/L	98
34) 1,1-dichloropropene	10.17	75	266709	20.048	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	473995	22.397	ug/L #	80
37) benzene	10.78	78	859512	21.215	ug/L	96
38) 1,2-dichloroethane	10.77	62	308150	19.322	ug/L	99
39) trichloroethene	12.08	95	223185	20.781	ug/L	96
40) 1,2-dichloropropane	12.44	63	233758	19.707	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2710\SA082707.D Vial: 7
Acq On : 27 Aug 2010 12:47 pm Operator: KJP
Sample : LCSDA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 13:25:33 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

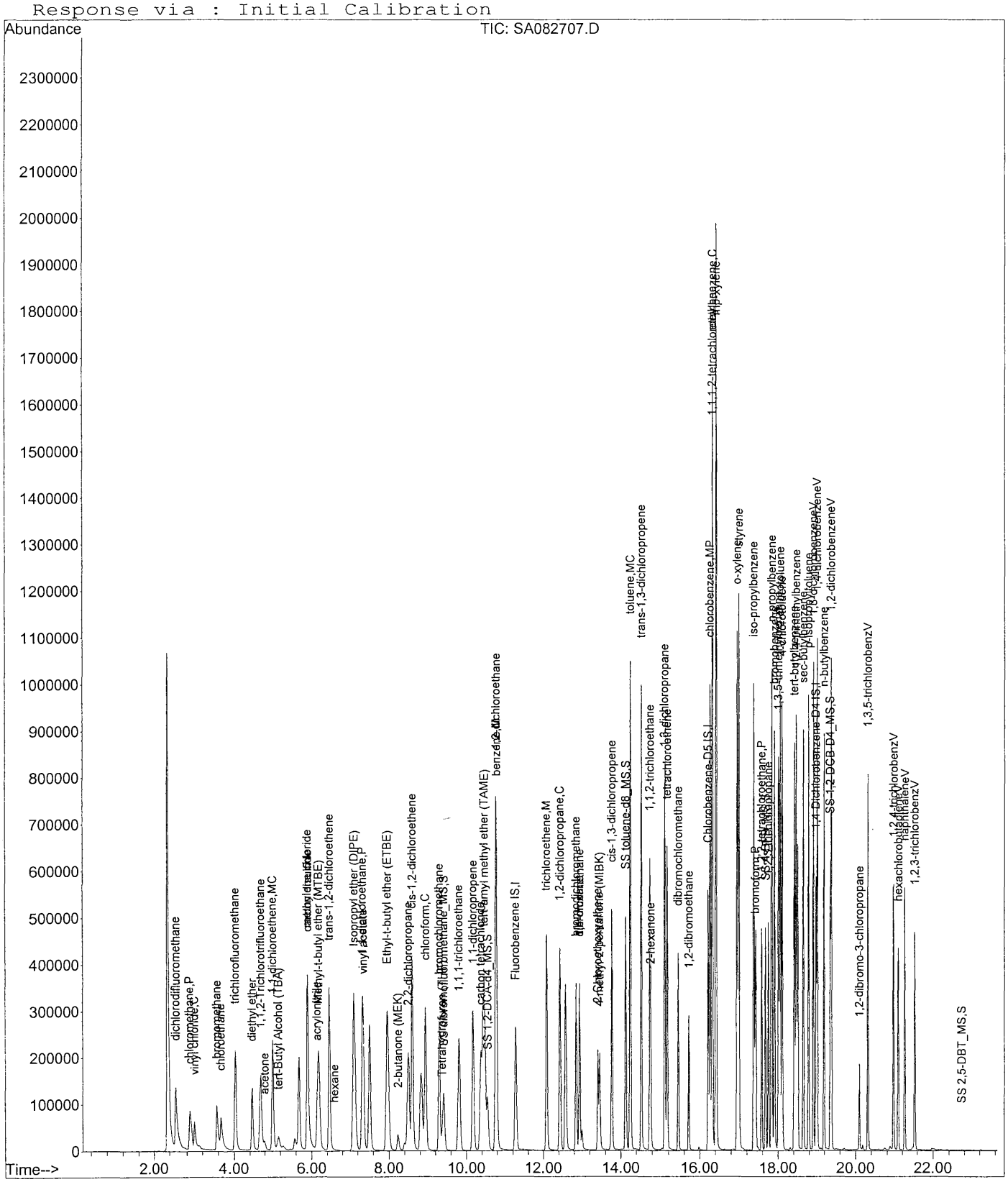
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
41)	1,4-dioxane	12.94	88	2641	30.174	ug/L	#	99
42)	dibromomethane	12.94	93	150384	20.655	ug/L		96
43)	bromodichloromethane	12.85	83	274187	18.028	ug/L		99
44)	2-Chloroethoxyethene	13.41	63	103784	16.383	ug/L		98
45)	4-methyl-2-pentanone (MIBK	13.45	58	72480	20.337	ug/L	#	65
46)	cis-1,3-dichloropropene	13.76	75	327720	20.511	ug/L		99
49)	toluene	14.24	91	889862	22.075	ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	292418	18.743	ug/L		97
51)	1,1,2-trichloroethane	14.74	83	174833	20.305	ug/L		99
52)	2-hexanone	14.76	43	112159	17.906	ug/L	#	92
53)	tetrachloroethene	15.16	166	215534	23.825	ug/L		96
54)	1,3-dichloropropane	15.10	76	332669	20.321	ug/L		98
55)	dibromochloromethane	15.45	129	215167	21.495	ug/L		100
56)	1,2-dibromoethane	15.72	107	202728	20.920	ug/L		99
57)	chlorobenzene	16.25	112	592419	21.328	ug/L		95
58)	1,1,1,2-tetrachloroethane	16.31	131	200089	22.426	ug/L		99
59)	ethylbenzene	16.32	91	864638	22.119	ug/L		100
60)	mp-xylene	16.41	106	651674	45.565	ug/L		97
61)	o-xylene	16.94	106	335057	22.705	ug/L		97
62)	styrene	16.99	104	600521	22.167	ug/L		96
63)	bromoform	17.41	173	134154	19.526	ug/L	#	97
64)	iso-propylbenzene	17.37	105	680117	24.566	ug/L		99
67)	bromobenzene	17.90	156	250394	21.397	ug/L		94
68)	1,1,2,2-tetrachloroethane	17.57	83	243158	18.869	ug/L		99
69)	1,2,3-trichloropropane	17.74	110	68391	19.284	ug/L		100
71)	n-propylbenzene	17.84	91	811206	21.724	ug/L		100
72)	2-chlorotoluene	18.05	91	607944	20.004	ug/L		98
73)	4-chlorotoluene	18.10	91	598811	20.885	ug/L		98
74)	1,3,5-trimethylbenzene	18.01	105	538494	21.655	ug/L		97
75)	tert-butylbenzene	18.42	119	453074m	22.033	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	577514	21.508	ug/L		98
77)	sec-butylbenzene	18.65	105	592491	21.707	ug/L		98
78)	1,3-dichlorobenzeneV	18.91	146	370007	21.190	ug/L		97
79)	p-isopropyltoluene	18.78	119	520645	22.662	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	387839	21.208	ug/L		95
81)	1,2-dichlorobenzeneV	19.38	146	369710	20.637	ug/L		98
82)	n-butylbenzene	19.19	91	458475	21.306	ug/L		97
84)	1,2-dibromo-3-chloropropan	20.10	75	34332	19.083	ug/L		95
85)	1,3,5-trichlorobenzV	20.31	180	223379	21.626	ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	201136	22.873	ug/L		98
87)	hexachlorobutadieneV	21.09	225	98693	19.783	ug/L		99
88)	naphthaleneV	21.26	128	407397	20.688	ug/L		99
89)	1,2,3-trichlorobenzV	21.52	180	159455	20.946	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\AUG2710\SA082707.D Vial: 7
Acq On : 27 Aug 2010 12:47 pm Operator: KJP
Sample : LCSDA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 15:01 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



8260B
Volatile Organic Analysis

Sample Data

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

nQCBatch 73401036607

aQCPointers
BlnkA081910VNH823
LCSaA081910VNH823
LCSDA081910VNH823

aQCBatchMembers

4VID0723
All linear to 300ug/L (including VA, acrolein and 2CEVE) except: 1500ug/L for TBA; 600ug/L for MTBE and 1,4-dioxane; 400ug/L for mp-x; 200ug/L for gases, t13DCPE and iso-pb; 50ug/L for VC
Low point for VC is 0.2, Low point for 11DCE, 11DCA, PCE, HCBD, BDCM is 0.5.
Low point for cis- and trans-13DCPE 2ppb. Low level analysis for these analytes will need to be run under a different curve.

All avg RF except for:
22DCPA, CCl4, BDCM, 2CEVE, t-13DCPE, bromoform, 12DB3CPA, and 25DBT (linear regression)
Second source met 20% Dev. for all compounds except: Freon-113 and 1,4-dioxane (OOC high) which will need to be rerun under a curve in control for these compounds. 14-dioxane did not meet 8260 criteria for average RF or linear regression and is for qualitative purposes only. IM and CT compound not included in this calibration.

91943.06
91943.07
91943.08
91943.09P
91943.11
91966.01
91966.03
91966.04
73401036597.08P
73401036600.05
73401036600.06

CV DEV -

acetone	20.000	15.790	21.1
bromomethane	20.000	12.356	38.2
acrolein	20.000	7.648	61.8
1,4-dioxane	40.000	28.766	28.1
2-Chloroethoxyethene	20.000	15.583	22.1

Compounds listed not in samples above detection limit. Low point analyzed to support RLs for analytes with low recoveries. Acetone and BM present in 91966.03 rerun under QC in control for these compounds.

IS areas ok
12h tune ok
pH<2 for all samples
MB in control

LCS/LCSD in control with the following exceptions:
LCS Dichlorodifluoromethane OOC Actual = 27 (134 %R) Target = 70-130
LCSD Dichlorodifluoromethane OOC Actual = 26 (132 %R) Target = 70-130
LCSD IsoPropylbenzene OOC Actual = 26 (131 %R) Target = 70-130
LCSD Naphthalene RPD = 24 OOC Threshold = 20
LCSD 1,2,3-Trichlorobenzene RPD = 22 OOC Threshold = 20
Iso-pb hits in samples rerun under QC in control for this compound. No other OOC compounds present in samples reported as part of this batch.
91943.07: iso-pb hit rerun MS4A ~~9~~ 8/26/10 CV meets all 8260 requirements and all QC is in control for iso-pb (KW 090210)
91943.09: iso-pb hit rerun MS4A ~~9/28~~ 8/27/10 CV meets all 8260 requirements and all QC is in control for iso-pb (KW 090210)

GC/MS QA-QC Check Report

Tune File : Y:\1\DATA\AUG1910\SA081902.D
Tune Time : 19 Aug 2010 8:50 am

Daily Calibration File : Y:\1\DATA\AUG1910\SA081903.D

						329296	252401	115085

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA081903.D	STD 20 M	111	99	98	101	329296	252401	115085
		100	35*					
SA081904.D	STD 20 G	106	100	101	94	327914	241452	100331
		105	10*					
SA081905.D	STD 2	105	101	103	103	330892	238224	107368
		101	14*					
SA081906.D	MB	108	104	99	94	312622	236293	98311
		107	11*					
SA081907.D	91753.31	104	102	101	94	319566	237864	98824
		108	10*					
SA081908.D	91943.07	105	99	99	99	328688	243378	104435
		103	0*					
SA081909.D	91943.08	107	106	98	91	309443	238216	95092
		110	0*					
SA081910.D	91943.09	109	102	101	100	316950	233427	101322
		110	0*					
SA081911.D	91943.06	108	104	97	90	308978	234334	95977
		106	0*					
SA081912.D	91943.11	110	104	100	92	299616	229389	96355
		107	0*					
SA081913.D	91966.04	110	109	100	92	299746	229298	93429
		107	0*					
SA081914.D	91966.01	108	104	98	93	298901	228979	94938
		107	0*					
SA081915.D	91966.03	107	106	97	99	318795	256891	106901
		101	0*					
SA081916.D	91966.02	105	102	102	95	320360	253610	105432
		105	0*					
SA081917.D	LCS	107	103	101	106	328697	248056	115396
		96	0*					
SA081918.D	LCSD	106	101	101	105	337365	252277	116997
		103	10*					

t - fails 12hr time check * - fails criteria

Created: Wed Aug 25 12:44:29 2010 VOAMS4

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG1910\SA081911.D Vial: 11
Acq On : 19 Aug 2010 2:18 pm Operator: KJP
Sample : 91943.06 Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:14:39 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	308978	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	234334	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	95977	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	87304	10.761 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.610%		
35) SS 1,2-DCA-d4_MS	10.551	65	100659	10.377 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.770%		
48) SS toluene-d8_MS	14.125	98	297706	9.720 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.200%		
65) SS 4-BFB_MS	17.675	95	104123	8.996 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 89.960%		
83) SS 1,2-DCB-D4_MS	19.354	152	95275	10.596 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.960%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.774	43	2140	1.089 ug/L #	80

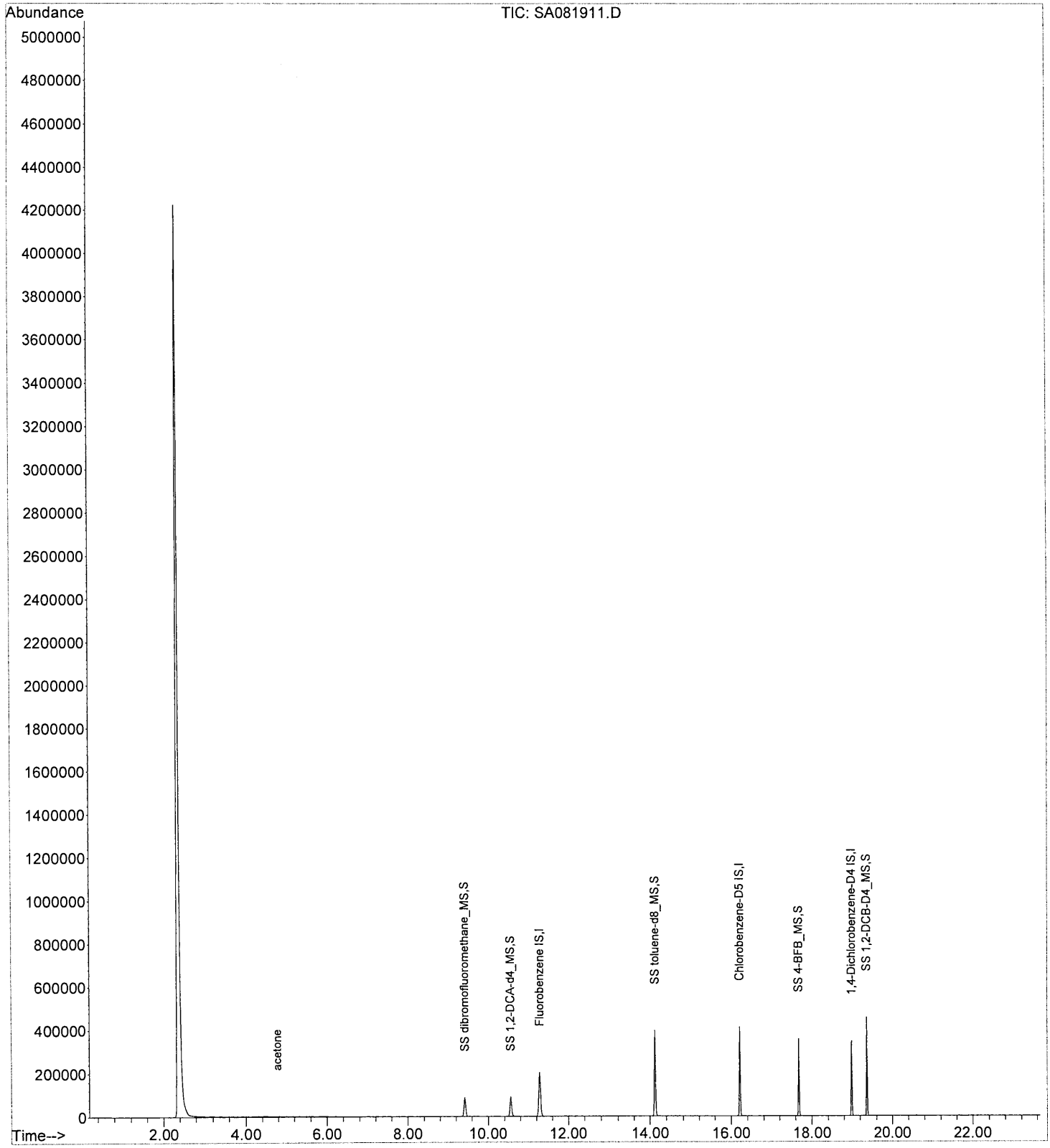
8/25/10
WR

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG1910\SA081911.D Vial: 11
Acq On : 19 Aug 2010 2:18 pm Operator: KJP
Sample : 91943.06 Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:14 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG1910\SA081908.D Vial: 8
Acq On : 19 Aug 2010 12:30 pm Operator: KJP
Sample : 91943.07 Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:14:25 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	328688	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	243378	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	104435	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	90856	10.527 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.270%		
35) SS 1,2-DCA-d4_MS	10.552	65	102184	9.903 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.030%		
48) SS toluene-d8_MS	14.125	98	315493	9.918 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.180%		
65) SS 4-BFB_MS	17.676	95	119560	9.946 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.460%		
83) SS 1,2-DCB-D4_MS	19.354	152	100883	10.311 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.110%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
3) chloromethane	2.925	50	5192	0.592 ug/L #	52
6) chloroethane	3.679	64	99915	20.142 ug/L	98
8) diethyl ether	4.466	59	470498	97.938 ug/L	92
11) acetone	4.809	43	5992	2.867 ug/L	90
13) tert-Butyl Alcohol (TBA)	5.163	59	24596	49.649 ug/L	92
15) methylene chloride	5.893	84	3935	0.535 ug/L	90
18) Methyl-t-butyl ether (MTBE	6.202	73	12549	0.795 ug/L #	81
21) Isopropyl ether (DIPE)	7.115	45	10955	0.424 ug/L #	89
23) 1,1-dichloroethane	7.321	63	8206	0.522 ug/L	97
29) Tetrahydrofuran (THF)	9.376	42	312167	157.994 ug/L	93
37) benzene	10.780	78	179834	5.712 ug/L #	91
41) 1,4-dioxane	12.915	88	11845	174.146 ug/L #	78
49) toluene	14.239	91	16182	0.523 ug/L	97
57) chlorobenzene	16.260	112	144465	6.773 ug/L	97
60) mp-xylene	16.408	106	14116	1.285 ug/L	91
61) o-xylene	16.945	106	11351	1.002 ug/L	98
64) iso-propylbenzene	17.367	105	40681	1.914 ug/L	99 ↑ LCSd
76) 1,2,4-trimethylbenzene	18.463	105	22778	1.169 ug/L	89
80) 1,4-dichlorobenzeneV	19.011	146	31465	2.371 ug/L #	70 ✓
88) naphthaleneV	21.261	128	14482	1.013 ug/L	97

1,4 Dioxane not in control for ICAL, not part of 8260 reporting list.

8/25/10 KJP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

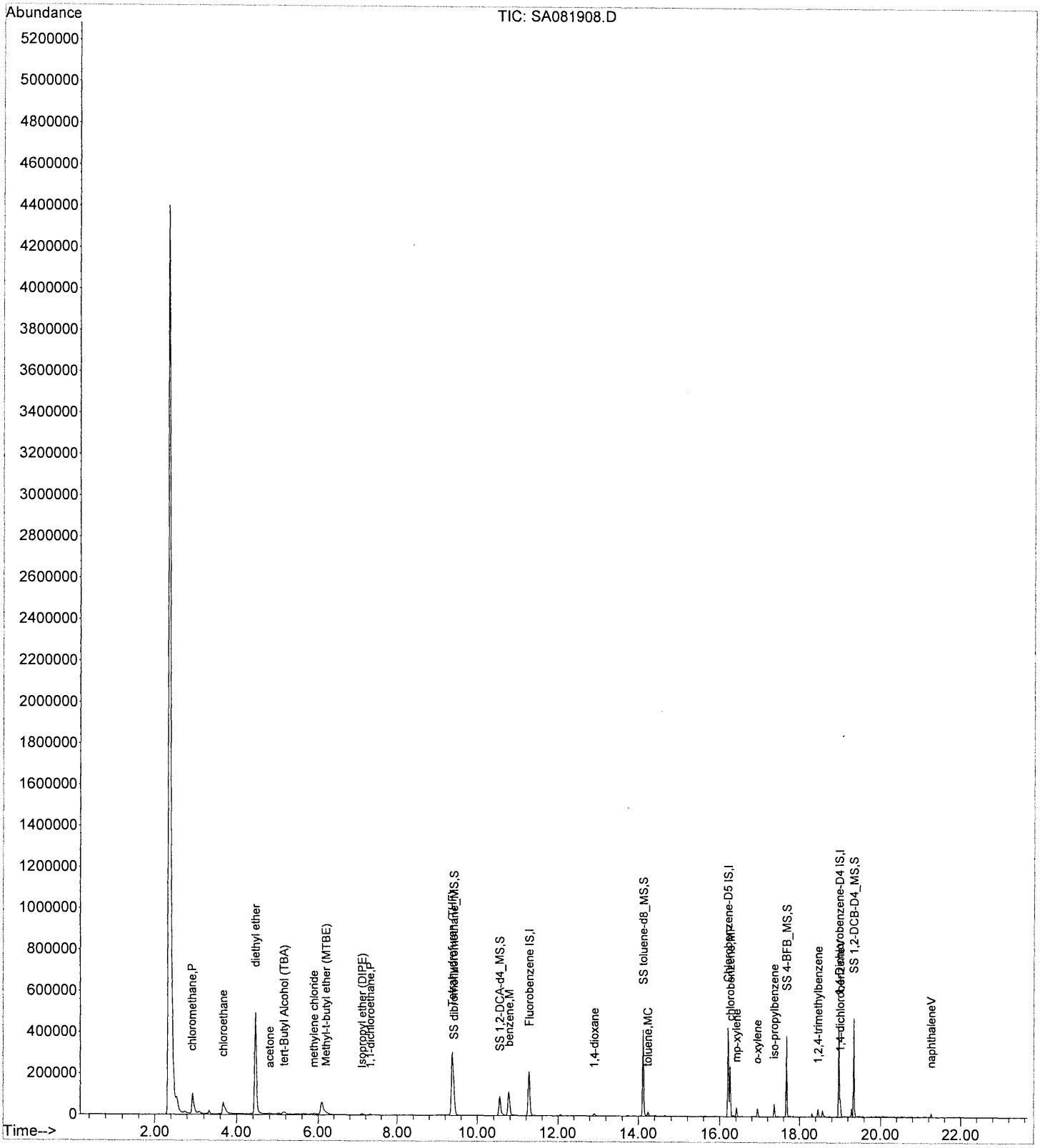
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG1910\SA081908.D
Acq On : 19 Aug 2010 12:30 pm
Sample : 91943.07
Misc : X1;5mL;
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:14 2010

Vial: 8
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082610.D Vial: 10
Acq On : 26 Aug 2010 5:02 pm Operator: KJP
Sample : 91943.07 Inst : VOAMS4
Misc : X1;5mL;RR;ISO-PB ONLY Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 08:35:40 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	398443	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	298013	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	134972	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.421	111	102763	9.822	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.220%			
35) SS 1,2-DCA-d4_MS	10.551	65	118783	9.496	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.960%			
48) SS toluene-d8_MS	14.125	98	383652	9.850	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.500%			
65) SS 4-BFB_MS	17.676	95	141554	9.617	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.170%			
83) SS 1,2-DCB-D4_MS	19.354	152	124607	9.854	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.540%			
90) SS 2,5-DBT_MS	0.000	250	0	0.000	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#			
Target Compounds						Qvalue
3) chloromethane	2.936	50	4939	0.465	ug/L #	47
6) chloroethane	3.679	64	120689	20.071	ug/L	99
8) diethyl ether	4.466	59	551850	94.762	ug/L	91
11) acetone	4.797	43	8326	3.286	ug/L #	87
13) tert-Butyl Alcohol (TBA)	5.163	59	30576	50.915	ug/L #	85
15) methylene chloride	5.893	84	5651	0.634	ug/L	82
18) Methyl-t-butyl ether (MTBE	6.190	73	14342	0.749	ug/L #	91
21) Isopropyl ether (DIPE)	7.104	45	14604	0.466	ug/L	95
23) 1,1-dichloroethane	7.332	63	9510	0.499	ug/L	98
29) Tetrahydrofuran (THF)	9.376	42	375863	156.928	ug/L	91
37) benzene	10.780	78	220561	5.779	ug/L #	90
41) 1,4-dioxane	12.915	88	15483	187.781	ug/L #	81
49) toluene	14.239	91	20734	0.547	ug/L	98
57) chlorobenzene	16.260	112	180439	6.909	ug/L	96
60) mp-xylene	16.408	106	19468	1.448	ug/L	94
61) o-xylene	16.956	106	15146	1.092	ug/L	97
64) iso-propylbenzene	17.367	105	51066	1.962	ug/L	97
76) 1,2,4-trimethylbenzene	18.463	105	31191	1.238	ug/L	89
80) 1,4-dichlorobenzeneV	19.011	146	38903	2.268	ug/L #	70
84) 1,2-dibromo-3-chloropropan	20.313	75	121	4.007	ug/L #	1
87) hexachlorobutadieneV	21.089	225	2130	0.455	ug/L	91
88) naphthaleneV	21.261	128	21471	1.162	ug/L	99

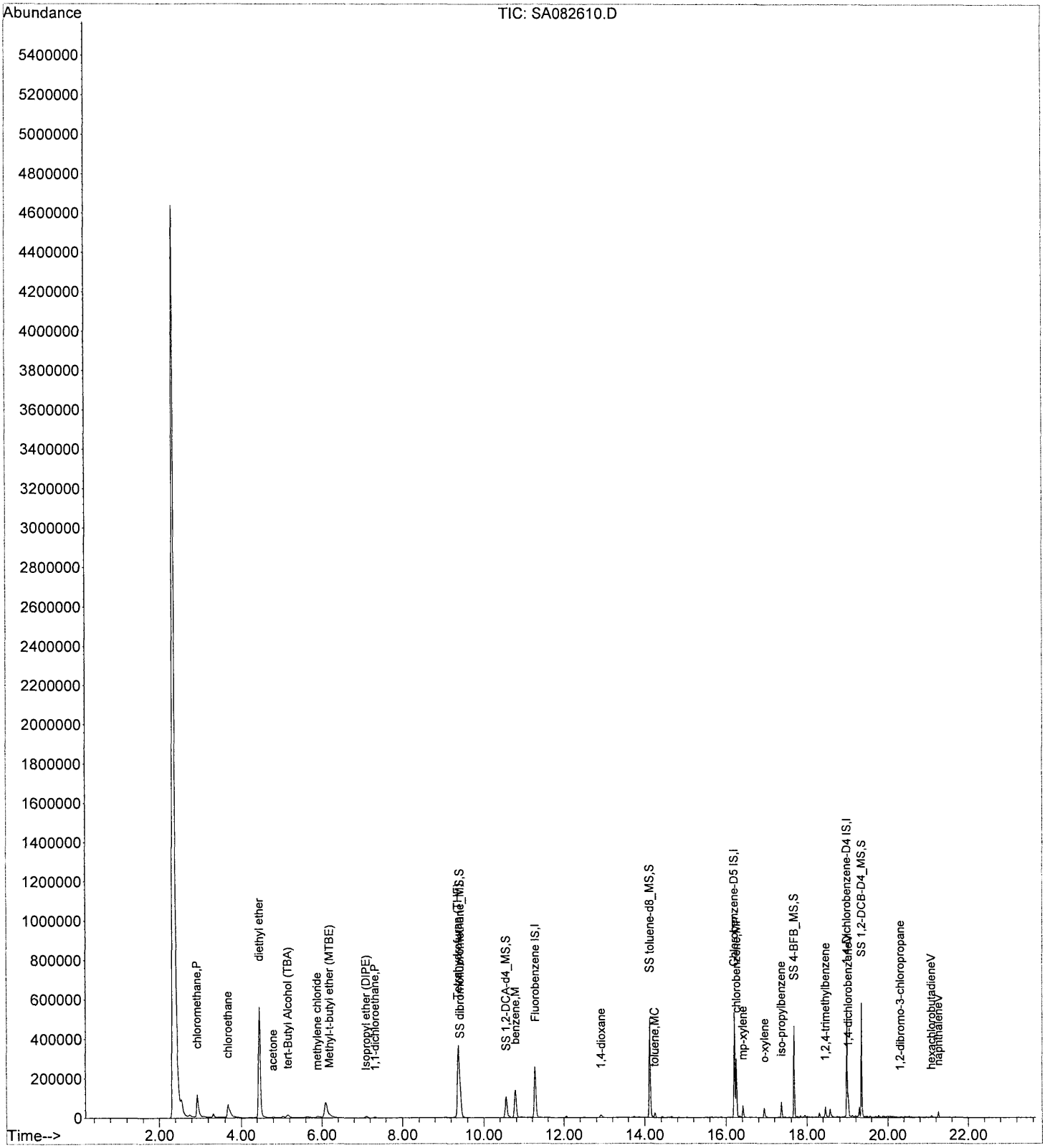
iso-pb only 8/27/10 VSP

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082610.D 4VID0723.M Fri Aug 27 08:35:41 2010

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082610.D Vial: 10
Acq On : 26 Aug 2010 5:02 pm Operator: KJP
Sample : 91943.07 Inst : VOAMS4
Misc : X1;5mL;RR;ISO-PB ONLY Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 8:35 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG1910\SA081909.D Vial: 9
Acq On : 19 Aug 2010 1:06 pm Operator: KJP
Sample : 91943.08 Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:14:30 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	309443	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	238216	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	95092	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	86883	10.693 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.930%		
35) SS 1,2-DCA-d4_MS	10.551	65	102957	10.598 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.980%		
48) SS toluene-d8_MS	14.125	98	303647	9.753 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.530%		
65) SS 4-BFB_MS	17.676	95	107537	9.140 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 91.400%		
83) SS 1,2-DCB-D4_MS	19.354	152	98388	11.044 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.440%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.809	43	1186	0.603 ug/L	96
29) Tetrahydrofuran (THF)	9.398	42	658	0.354 ug/L #	45
41) 1,4-dioxane	12.926	88	87	1.359 ug/L #	48

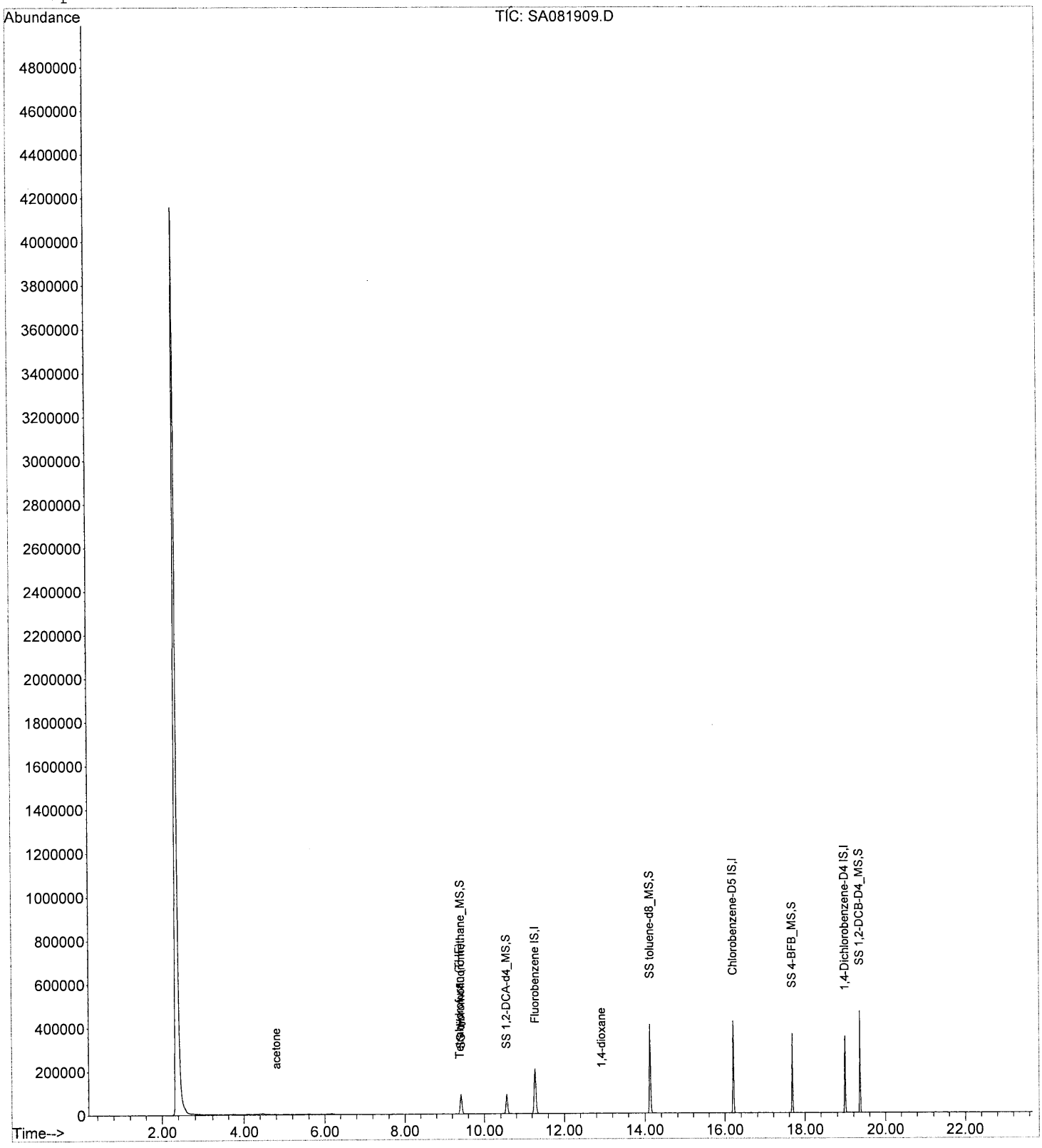
8/25/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG1910\SA081909.D Vial: 9
Acq On : 19 Aug 2010 1:06 pm Operator: KJP
Sample : 91943.08 Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:14 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2610\SA082611.D Vial: 11
Acq On : 26 Aug 2010 5:37 pm Operator: KJP
Sample : 91943.08 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 08:35:45 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	385281	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	292287	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	127314	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	102045	10.09	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.87%			
35) SS 1,2-DCA-d4_MS	10.55	65	117807	9.74	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.40%			
48) SS toluene-d8_MS	14.12	98	371017	9.71	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.12%			
65) SS 4-BFB_MS	17.68	95	132243	9.16	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 91.60%			
83) SS 1,2-DCB-D4_MS	19.35	152	125598	10.53	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.30%			
90) SS 2,5-DBT_MS	22.74	250	79	4.16	ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 10.39%#			
Target Compounds						Qvalue
5) bromomethane	3.60	94	2047	0.361	ug/L	99
11) acetone	4.77	43	2204	0.900	ug/L	94
41) 1,4-dioxane	12.90	88	243	3.048	ug/L #	23

Rerun not necessary. 8/27/10 kpp

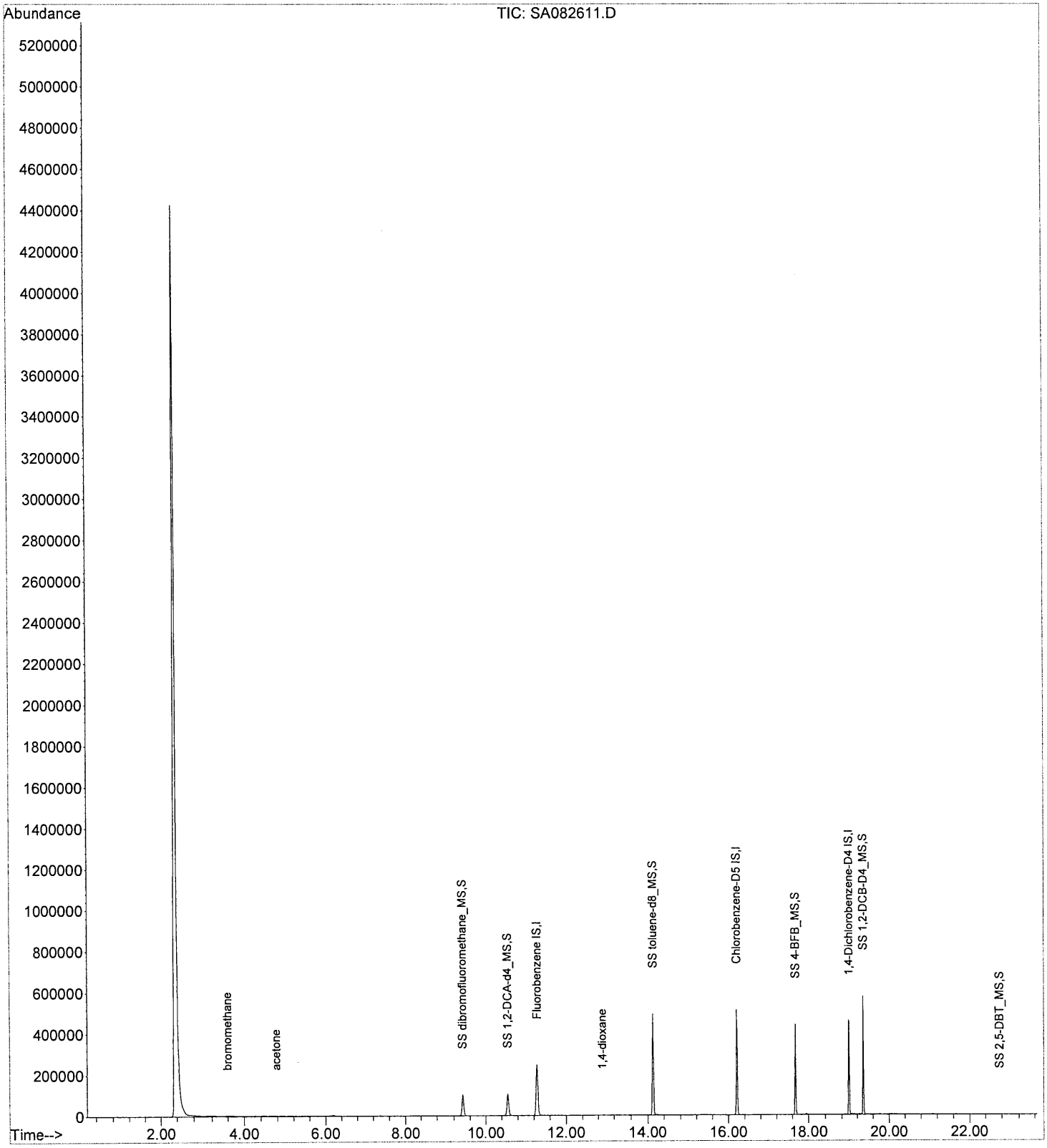
data not reported

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2610\SA082611.D Vial: 11
Acq On : 26 Aug 2010 5:37 pm Operator: KJP
Sample : 91943.08 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 8:35 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG1910\SA081910.D Vial: 10
Acq On : 19 Aug 2010 1:42 pm Operator: KJP
Sample : 91943.09 Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:14:34 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	316950	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	233427	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	101322	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	90521	10.877 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.770%		
35) SS 1,2-DCA-d4_MS	10.551	65	101928	10.244 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.440%		
48) SS toluene-d8_MS	14.125	98	309269	10.137 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.370%		
65) SS 4-BFB_MS	17.676	95	115283	9.999 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.990%		
83) SS 1,2-DCB-D4_MS	19.354	152	104056	10.962 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.620%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
6) chloroethane	3.679	64	21377	4.469 ug/L	98
8) diethyl ether	4.466	59	70199	15.154 ug/L	95
11) acetone	4.786	43	8246	4.092 ug/L #	79
13) tert-Butyl Alcohol (TBA)	5.163	59	8089	16.933 ug/L	89
16) carbon disulfide	5.905	76	10209	0.555 ug/L #	96
29) Tetrahydrofuran (THF)	9.387	42	21481	11.275 ug/L	94
37) benzene	10.780	78	66070	2.176 ug/L	91
41) 1,4-dioxane	12.915	88	1065	16.238 ug/L #	29
49) toluene	14.239	91	35817	1.206 ug/L	100
57) chlorobenzene	16.260	112	487397	23.826 ug/L	96
64) iso-propylbenzene	17.367	105	30368	1.489 ug/L	97 ↑ LCSd
80) 1,4-dichlorobenzeneV	19.011	146	36482	2.833 ug/L #	70✓
81) 1,2-dichlorobenzeneV	19.377	146	19901	1.577 ug/L #	51✓

8/25/10
VOA

(#) = qualifier out of range (m) = manual integration (+) = signals summed

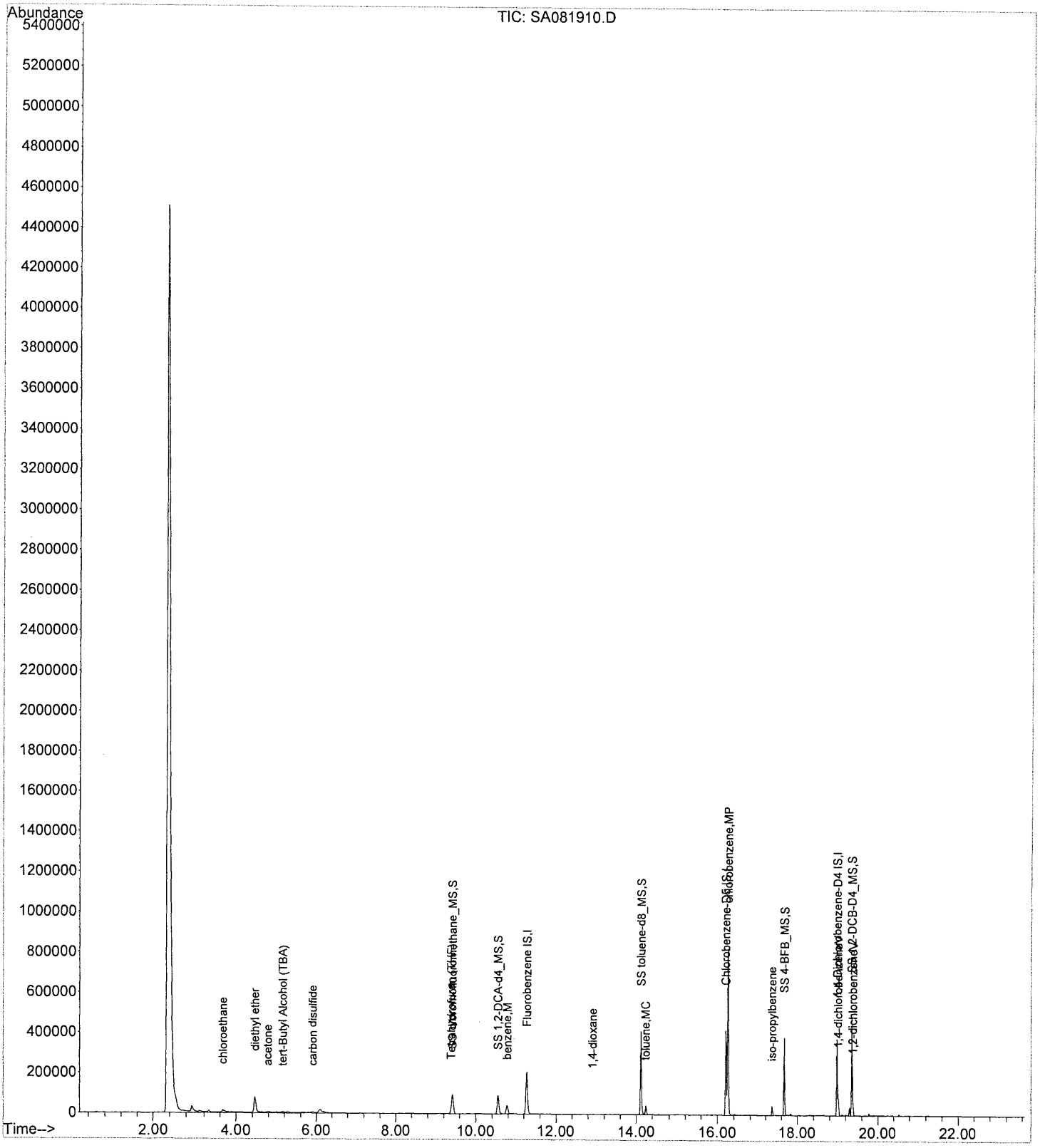
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG1910\SA081910.D
Acq On : 19 Aug 2010 1:42 pm
Sample : 91943.09
Misc : X1;5mL;
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:14 2010

Vial: 10
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082709.D Vial: 9
Acq On : 27 Aug 2010 2:02 pm Operator: KJP
Sample : 91943.09 Inst : VOAMS4
Misc : X1;5mL;RR;ISO-PB ONLY Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 14:28:59 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.271	96	396504	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	299048	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	127996	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.421	111	101254	9.725	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.250%			
35) SS 1,2-DCA-d4_MS	10.551	65	114479	9.197	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 91.970%			
48) SS toluene-d8_MS	14.125	98	375511	9.607	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.070%			
65) SS 4-BFB_MS	17.676	95	141064	9.551	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.510%			
83) SS 1,2-DCB-D4_MS	19.354	152	122111	10.183	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.830%			
90) SS 2,5-DBT_MS	0.000	250	0	0.000	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#			
Target Compounds						Qvalue
6) chloroethane	3.678	64	23911	3.996	ug/L	97
8) diethyl ether	4.466	59	82528	14.241	ug/L	91
11) acetone	4.786	43	7905	3.135	ug/L #	84
13) tert-Butyl Alcohol (TBA)	5.163	59	9520	15.930	ug/L	94
29) Tetrahydrofuran (THF)	9.387	42	28299	11.873	ug/L	95
37) benzene	10.768	78	84780	2.232	ug/L #	90
41) 1,4-dioxane	12.915	88	1702	20.743	ug/L #	91
49) toluene	14.239	91	50537	1.329	ug/L	97
57) chlorobenzene	16.248	112	577424	22.033	ug/L	95
64) iso-propylbenzene	17.367	105	43120	1.651	ug/L	98
80) 1,4-dichlorobenzeneV	19.011	146	46770	2.875	ug/L #	71
81) 1,2-dichlorobenzeneV	19.377	146	26284	1.649	ug/L #	62
84) 1,2-dibromo-3-chloropropan	20.313	75	82	3.990	ug/L #	1
87) hexachlorobutadieneV	21.089	225	1701	0.383	ug/L	99

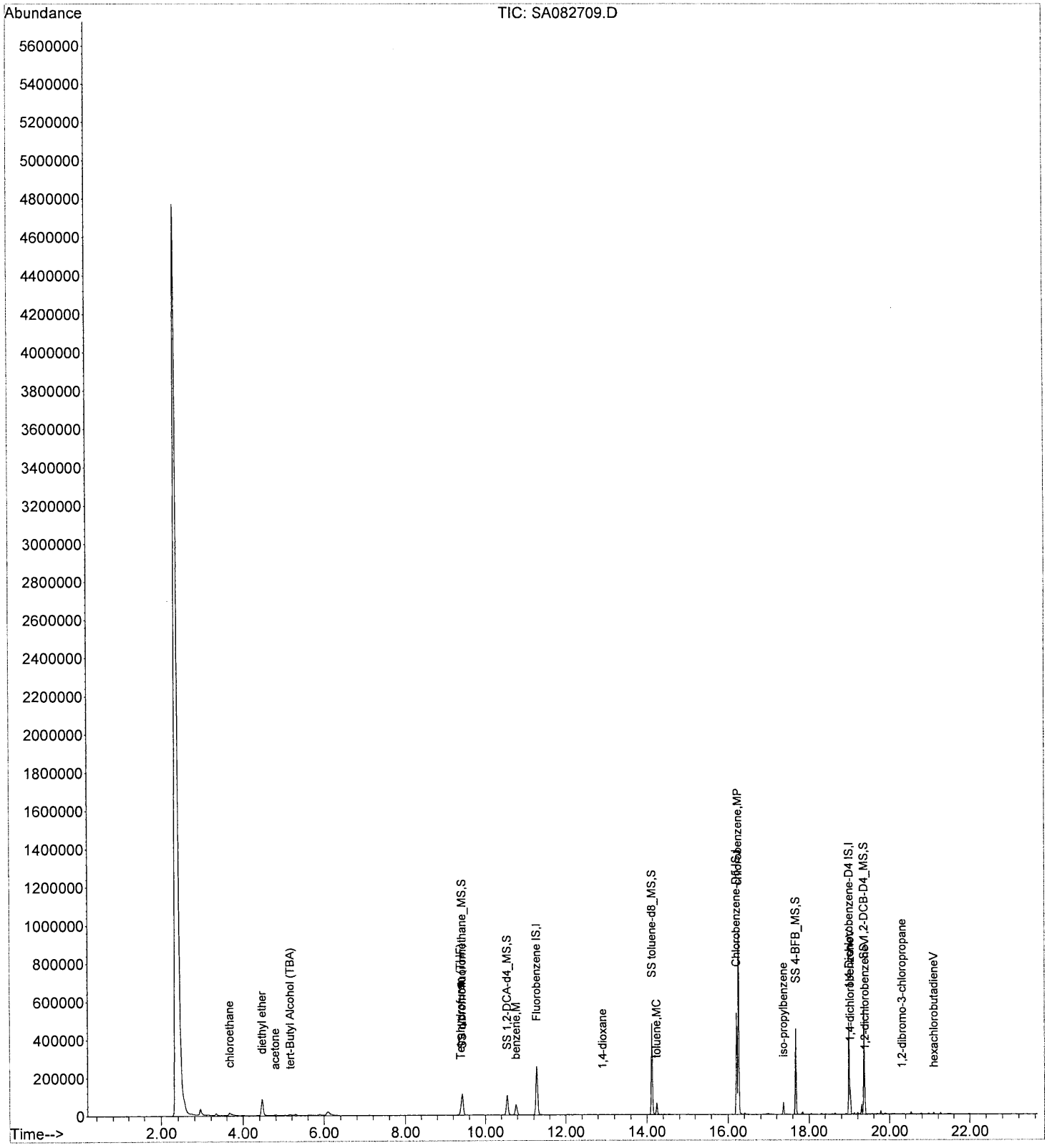
iso-pb only 8/27/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082709.D Vial: 9
Acq On : 27 Aug 2010 2:02 pm Operator: KJP
Sample : 91943.09 Inst : VOAMS4
Misc : X1;5mL;RR;ISO-PB ONLY Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 14:28 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG1910\SA081912.D Vial: 12
Acq On : 19 Aug 2010 2:54 pm Operator: KJP
Sample : 91943.11 Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:14:43 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	299616	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	229389	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	96355	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	86827	11.036 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.360%		
35) SS 1,2-DCA-d4_MS	10.551	65	97975	10.416 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.160%		
48) SS toluene-d8_MS	14.125	98	301195	10.046 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.460%		
65) SS 4-BFB_MS	17.676	95	104705	9.242 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 92.420%		
83) SS 1,2-DCB-D4_MS	19.354	152	96715	10.714 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.140%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.786	43	873	0.458 ug/L #	45

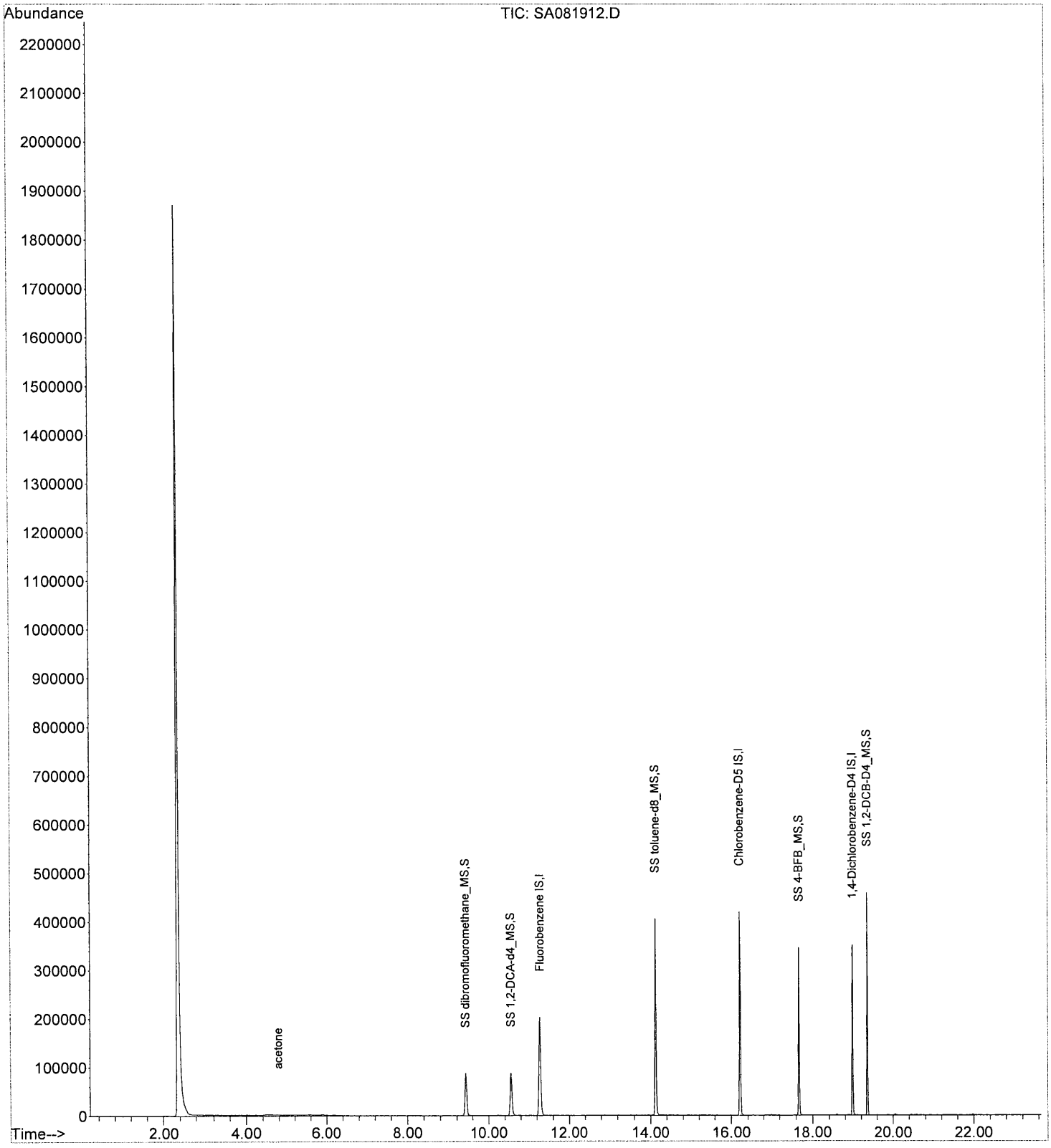
8/25/10
WB

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG1910\SA081912.D Vial: 12
Acq On : 19 Aug 2010 2:54 pm Operator: KJP
Sample : 91943.11 Inst : VOAMS4
Misc : X1;5mL; Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 14:14 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



524.2
Volatile Organic Analysis

Initial Calibration

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

IS/SS ID= V-~~3625~~ 3624

Standard ID= V-~~3625~~ ~~3598~~ 3625

LCS/LCSD and/or MS/MSD Standard ID= V-3590

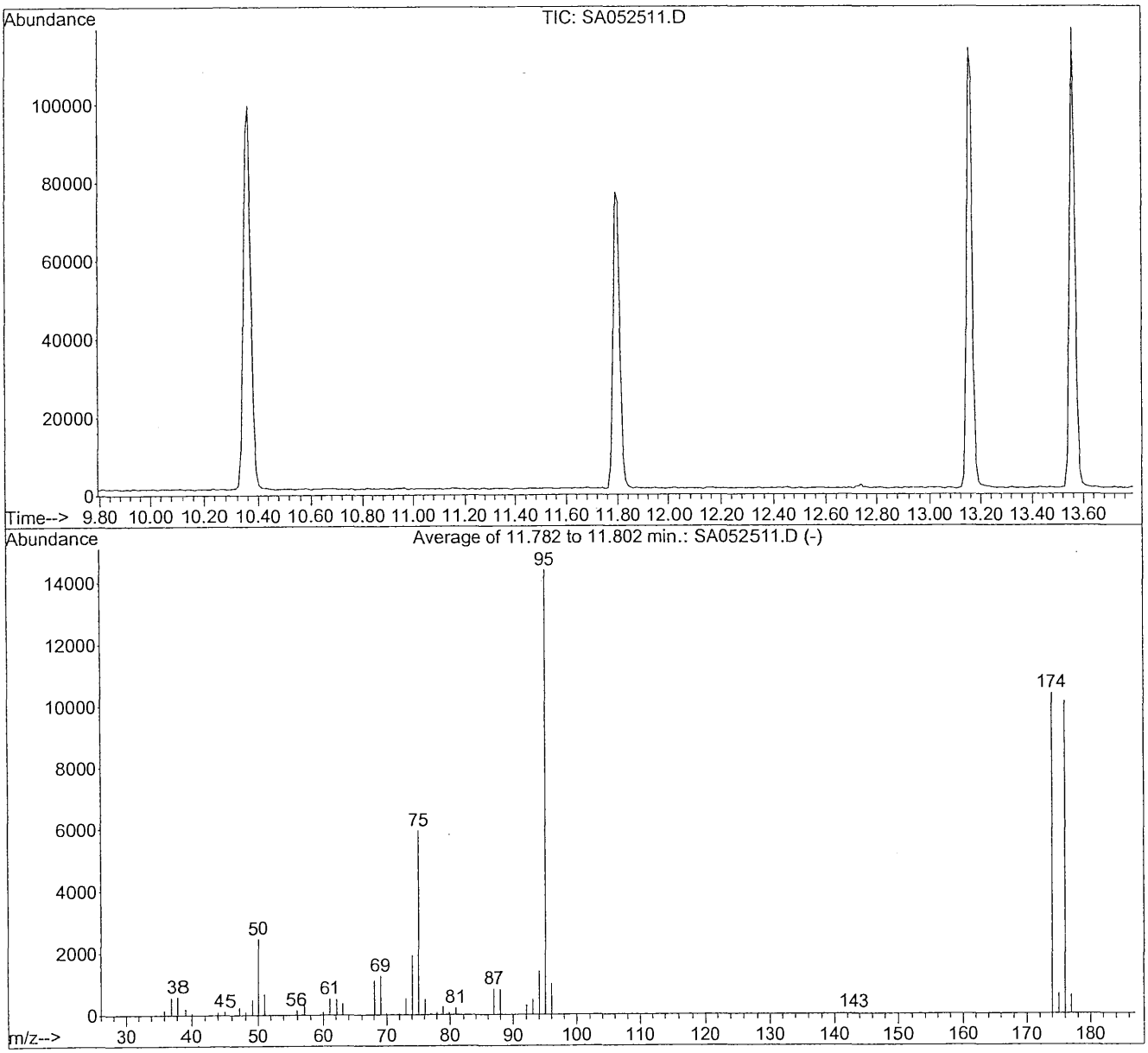
Analyst: VG

Date: 5/24/10

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA052401	Blank		✓		x1	VOC MS1			
2	2	BFB		✓		↓	VOC ↓			
3	3	STD5		✓			VOC SIM	25IM0529		
4	4	Blank		✓			VOC			
5	5	LCS5		✓			VOC			
6	6	LCSD5		✓		↓	VOC ↓			
~~7~~	~~7~~	~~STD0.5~~				~~—~~	VOC			
~~8~~	~~8~~	~~1~~				~~—~~	VOC			
		~~2~~				VG	VOC			
		~~10~~					VOC			
		~~20~~					VOC			
		~~50~~				5/25/10	VOC			
		~~Blank~~					VOC			
	7	89225-02		✓		x1	VOC			
	8	-03		✓			VOC			
	9	-12		✓			VOC			
	10	Blank		✓			VOC			
	11	BFB		✓			VOC			
	12	STD0.5		✓			VOC			
	13	1		✓			VOC		New ICAL	
	14	2		✓			VOC			
	15	10		✓			VOC		25IM0525	
	16	20		✓			VOC			
	17	50		✓		↓	VOC		May have prepped	
							VOC		incorrectly (looks	
							VOC		more like a 0.5)	
							VOC		Dropped point	
							VOC		from curve	
							VOC			
							VOC		VG 5/26/10	
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			

...es removed from autosampler, order verified by VG 5/26/10

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052511.D Vial: 11
Acq On : 25 May 2010 6:10 pm Operator: VG
Sample : BFB Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09



Spectrum Information: Average of 11.782 to 11.802 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	2464	PASS
75	95	30	60	41.3	5943	PASS
95	95	100	100	100.0	14400	PASS
96	95	5	9	6.9	989	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.2	10393	PASS
175	174	5	9	6.2	648	PASS
176	174	95	101	97.5	10129	PASS
177	176	5	9	6.1	613	PASS

Response Factor Report VOAMS2

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration

Calibration Files
1 =SA052513.D 20 =SA052516.D 10 =SA052515.D
50 =SA052517.D 5 =SA052503.D 2 =SA052514.D

		Compound	1	20	10	50	5	2	Avg	%RSD
1)	I	Fluorobenzene IS	----------ISTD----------							
2)		1,4-dioxaneV		0.057	0.053	0.057	0.045	0.047	0.051#	11.17
3)	S	SS Toluene-d8_M	1.031	1.035	1.026	1.036	1.026	1.041	1.031	0.66
4)	S	SS 4-BFB_MS	0.315	0.321	0.317	0.318	0.310	0.321	0.317	1.23

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052512.D Vial: 12
Acq On : 25 May 2010 6:57 pm Operator: VG
Sample : STD0.5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:01:38 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

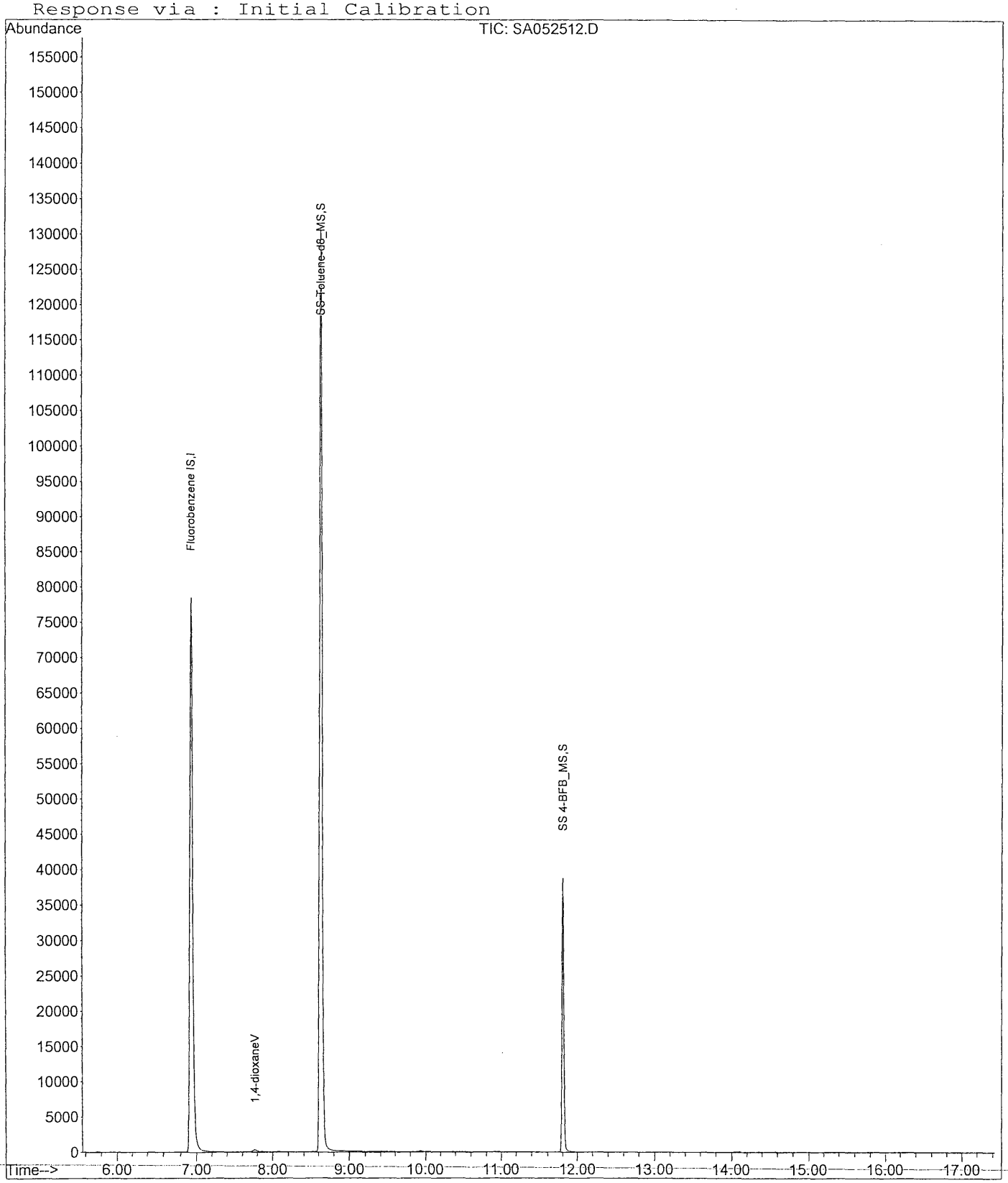
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	209782	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	214349	10.09	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.93%			
4) SS 4-BFB_MS	11.80	95	66019	10.30	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.00%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	477m	0.320	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052512.D Vial: 12
Acq On : 25 May 2010 6:57 pm Operator: VG
Sample : STD0.5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:15 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052514.D Vial: 14
Acq On : 25 May 2010 8:35 pm Operator: VG
Sample : STD2 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02:00 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

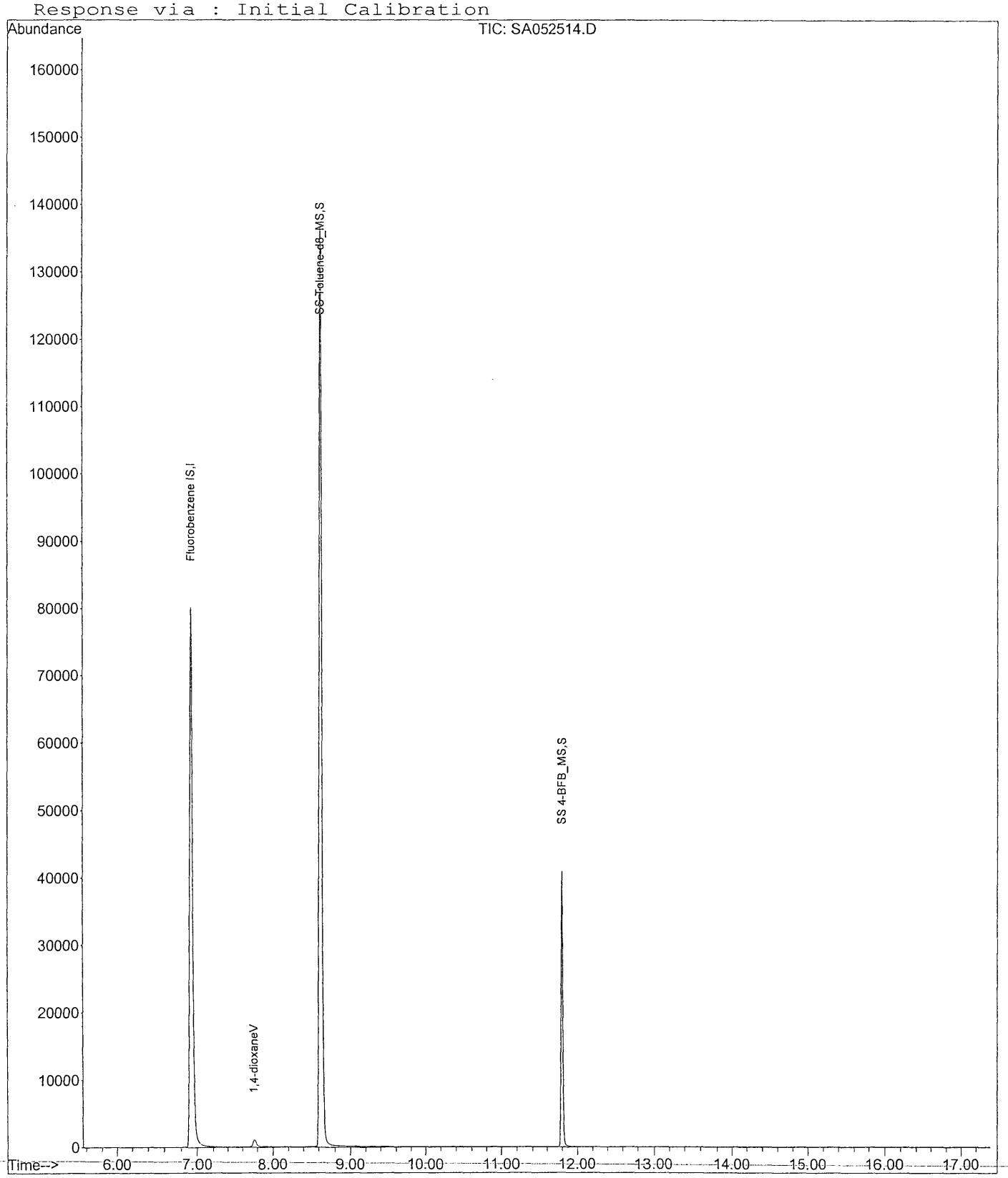
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	211291	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	219927	10.28	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.82%			
4) SS 4-BFB_MS	11.80	95	67843	10.51	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.09%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	2002	1.332	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052514.D Vial: 14
Acq On : 25 May 2010 8:35 pm Operator: VG
Sample : STD2 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:01 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052503.D Vial: 3
Acq On : 25 May 2010 11:48 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:18:36 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

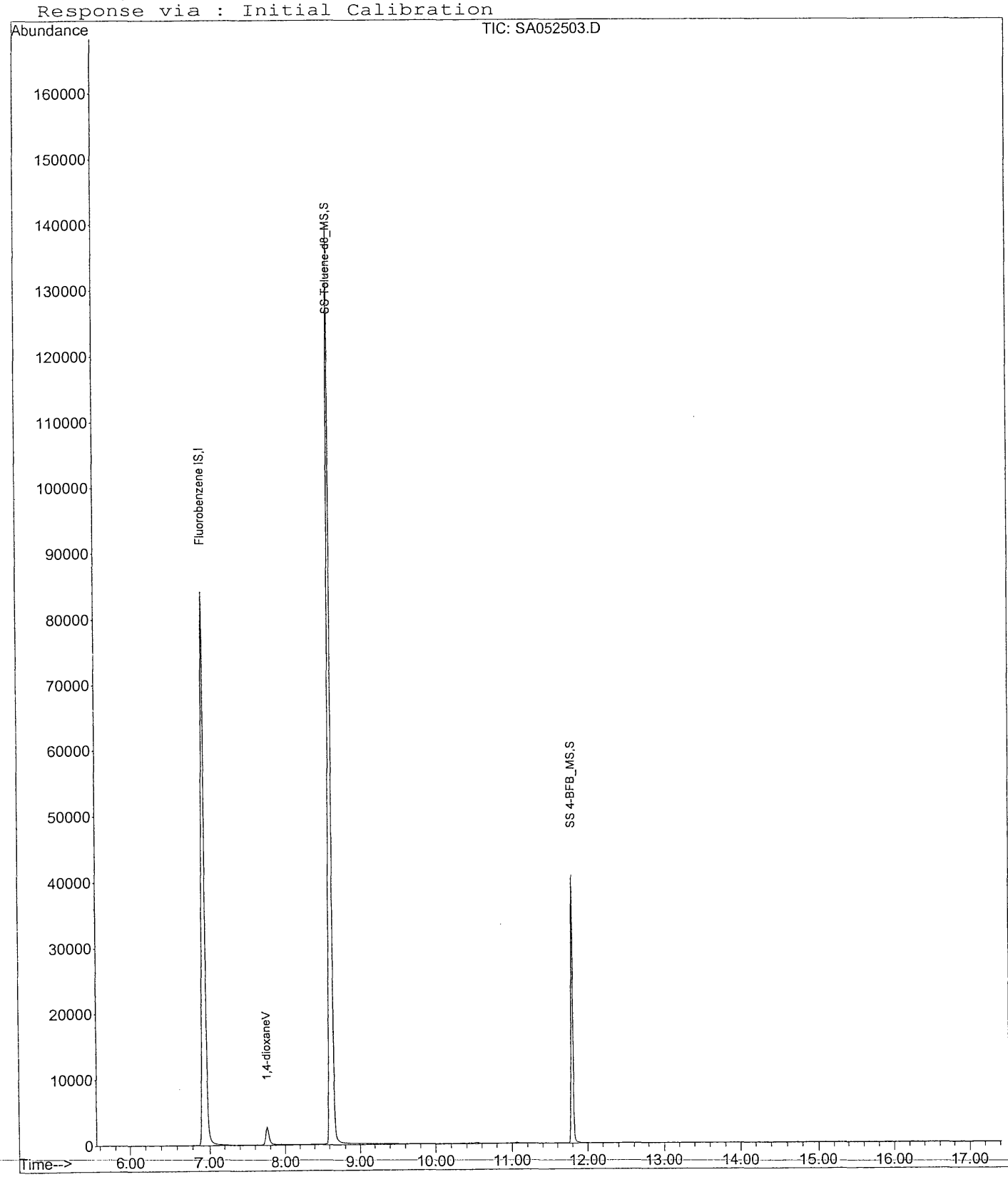
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	223824	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.62	98	229712	9.96	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.55%			
4) SS 4-BFB_MS	11.80	95	69309	9.78	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.84%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	4995	4.400	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052503.D Vial: 3
Acq On : 25 May 2010 11:48 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:18 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052515.D Vial: 15
Acq On : 25 May 2010 9:23 pm Operator: VG
Sample : STD10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02:09 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

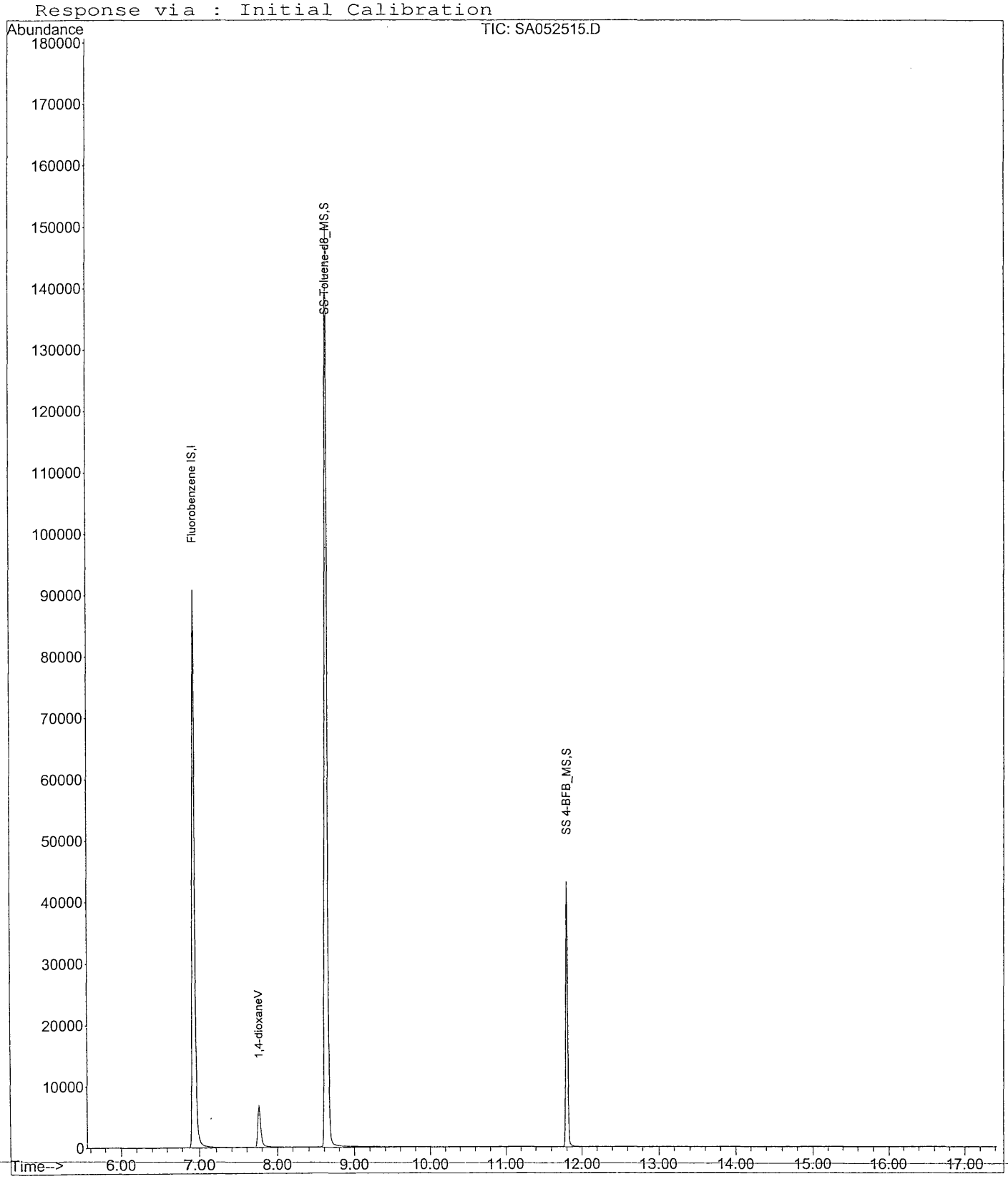
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	228398	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	234233	10.13	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.30%			
4) SS 4-BFB_MS	11.80	95	72321	10.36	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.64%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	12040	7.408	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052515.D Vial: 15
Acq On : 25 May 2010 9:23 pm Operator: VG
Sample : STD10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052516.D Vial: 16
Acq On : 25 May 2010 10:13 pm Operator: VG
Sample : STD20 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02:18 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

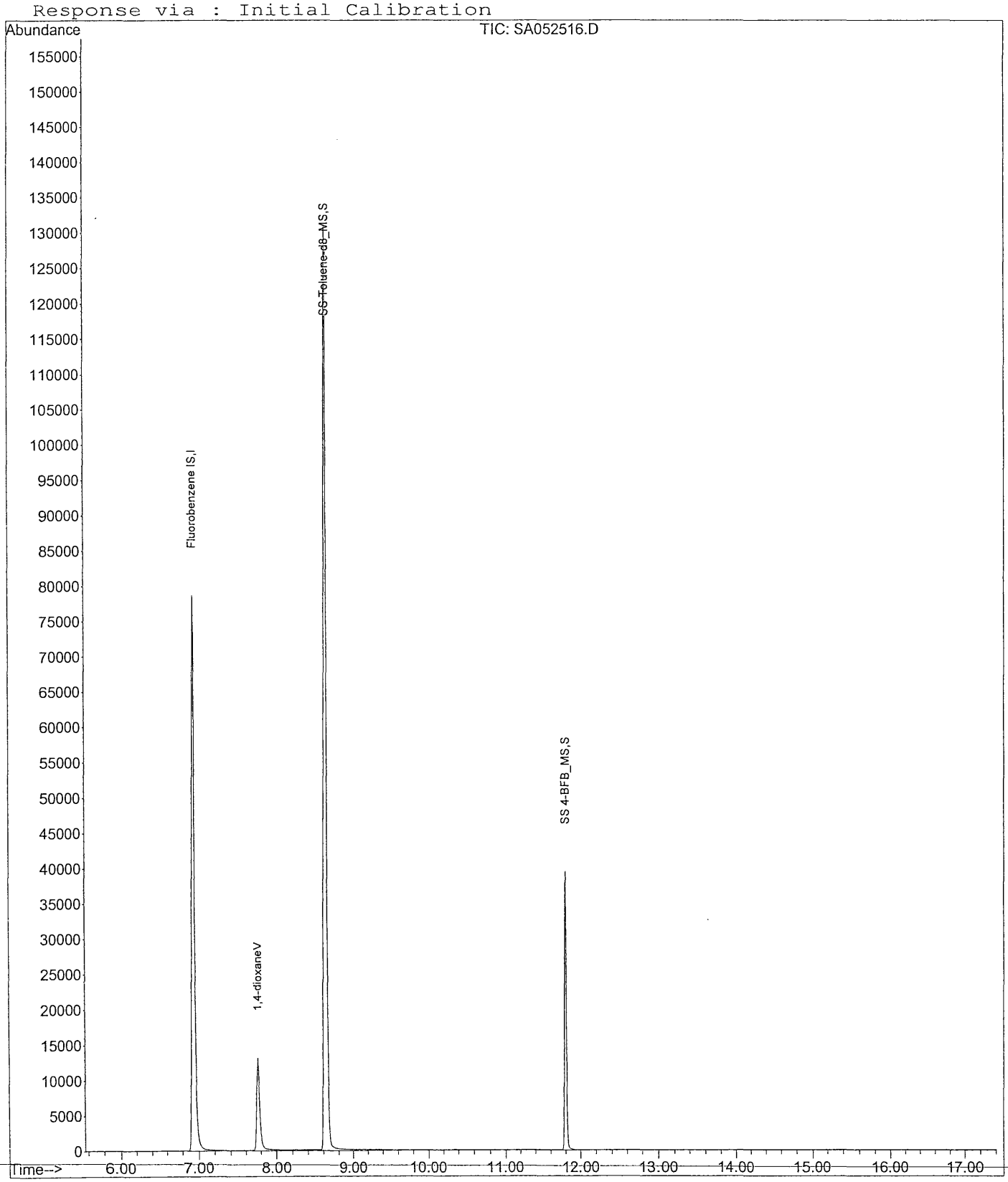
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	209599	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	216849	10.22	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.20%			
4) SS 4-BFB_MS	11.80	95	67211	10.50	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.95%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	24094	16.155	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052516.D Vial: 16
Acq On : 25 May 2010 10:13 pm Operator: VG
Sample : STD20 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052517.D Vial: 17
Acq On : 25 May 2010 11:03 pm Operator: VG
Sample : STD50 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02:27 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

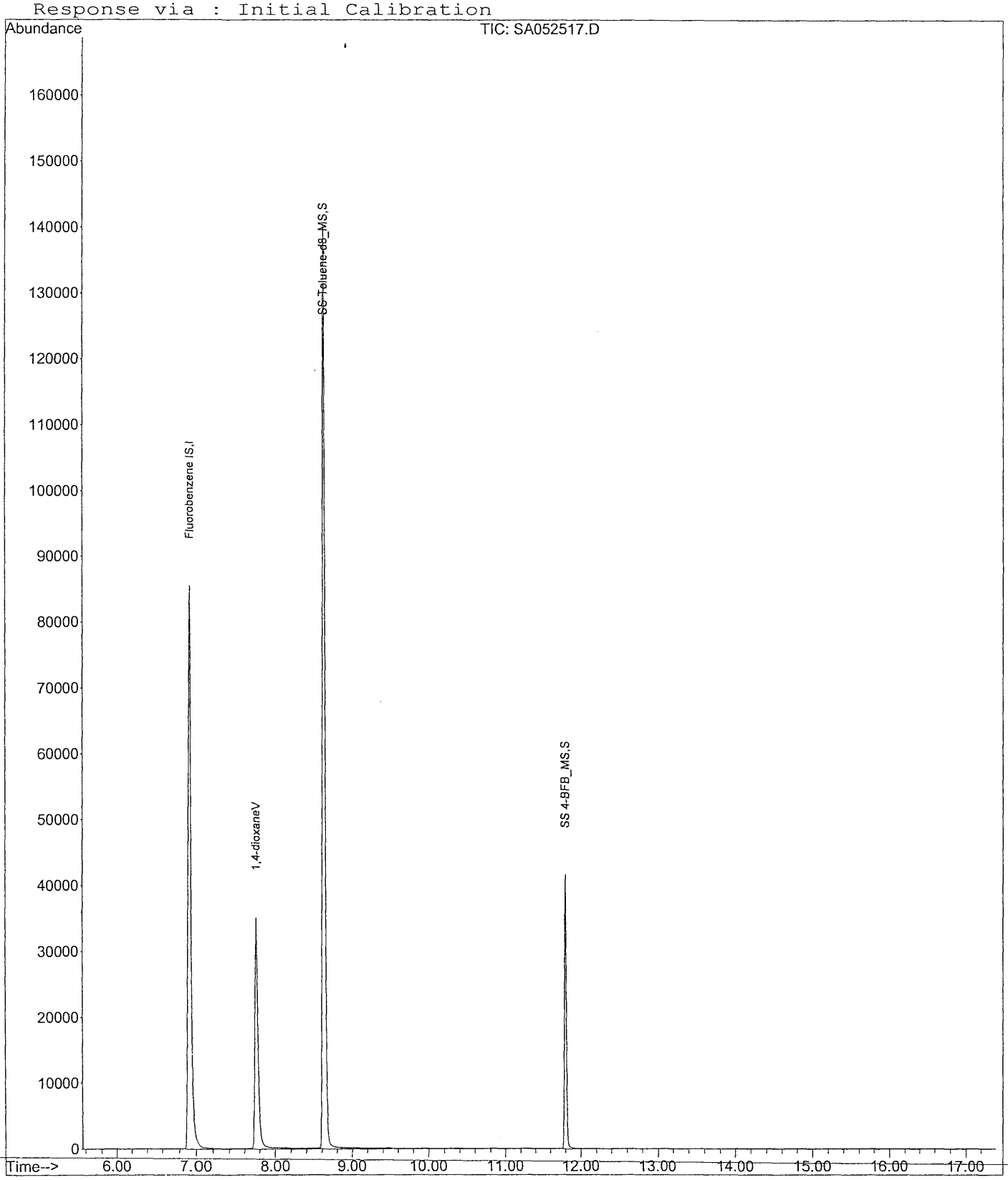
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	217415	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	225350	10.24	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.39%			
4) SS 4-BFB_MS	11.80	95	69032	10.39	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.92%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	61567	39.796	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052517.D Vial: 17
Acq On : 25 May 2010 11:03 pm Operator: VG
Sample : STD50 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



1,4-Dioxane
8260B SIM
Volatile Organic Analysis

Batch QC & Sample Data

IS/SS ID= V- 3654

Standard ID= V- 3652

LCS/LCSD and/or MS/MSD Standard ID= V-3548

Analyst: VG

Date: 8/23/10

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	S4082301	Blank		✓		x1	VOC MS1			
2	2	BLB		✓			VOC ↓			
3	3	SDS		✓		│	VOC SIM	2SIM0826		
4	4	Blank		✓		│	VOC │			
5	5	LCS5		✓		│	VOC │			
6	6	LCSD5		✓		│	VOC │			
7	7	91983-03	✓	✓		│	VOC │			
8	8	91943.12	✓	✓		│	VOC │			
9	9	09	✓	✓		↓	VOC │			
10	10	07	✓	✓		X20	VOC │			
11	11	91983-02	✓	✓		X10	VOC │			
12	12	01	✓	✓		X100	VOC │			
13	13	91949-02		✓		x1	VOC │			
14	14	03		✓		│	VOC │			
15	15	01		✓		↓	VOC ↓			
							VOC			
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Samples removed from autosampler ✓, order ✓ verified by Blee 8/30/10 1-15

nQCBatch 73400839859

aQCPointers
BlnkA082310V82601
LCSaA082310V82601
LCSDA082310V82601

aQCBatchMembers

2SIM0525
ICAL 0.5-50ppb

91943.07
91943.09P
91943.12
91949.01
91949.02
91949.03
91983.01
91983.02
91983.03
73400839838.08P
73400839850.05
73400839850.06

CV DEV
none

IS areas ok
12 hr tune ok
BLK ok
QC in Control
(5)RPD by %Rec

only 2 vials for 14D.
Not enough for
MS/MSD.
Note on COC states
MS/MSD for ~~all~~ ammonia only

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG2310\SA082302.D
Tune Time : 23 Aug 2010 11:15 am

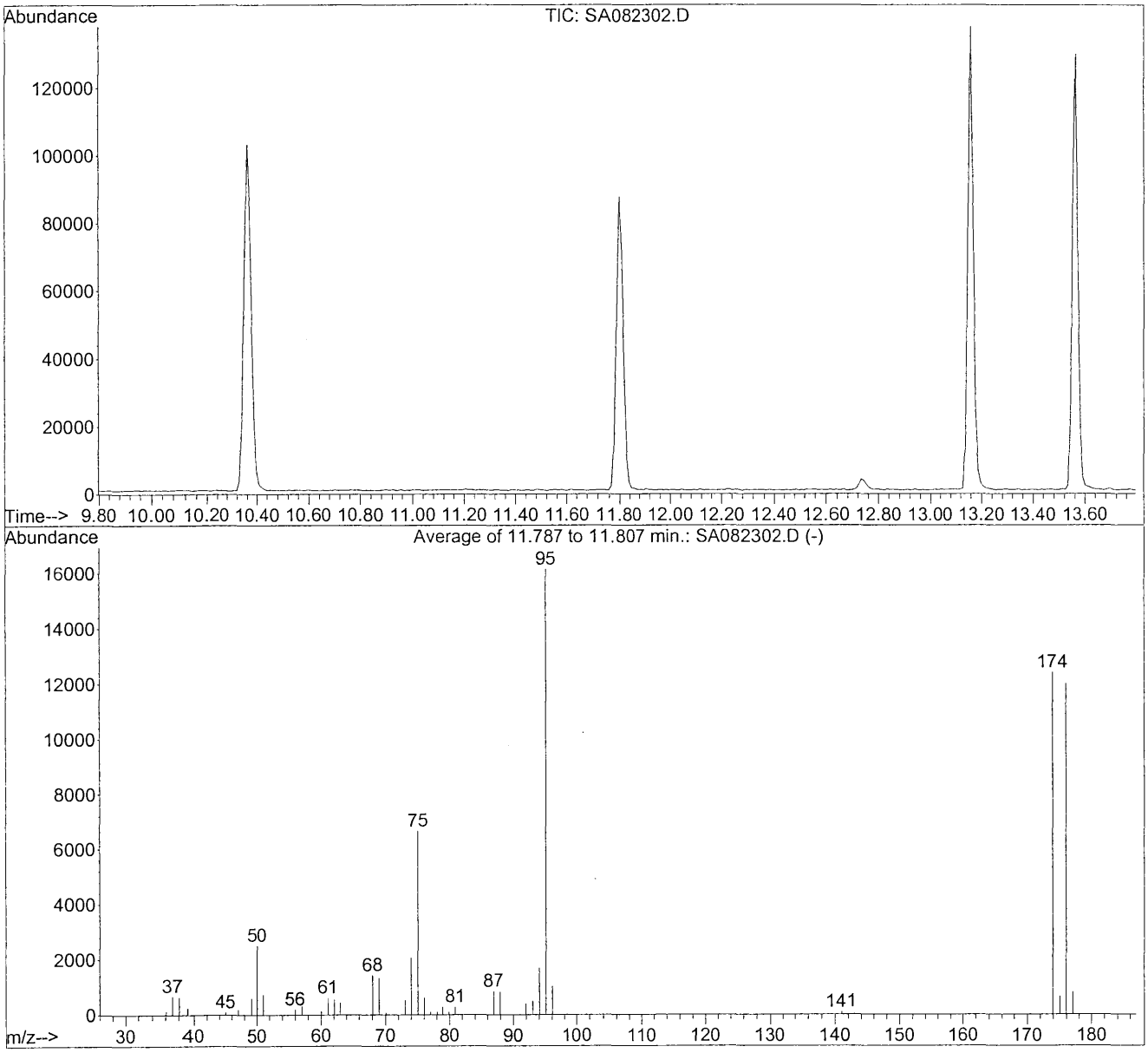
Daily Calibration File : V:\1\DATA\AUG2310\SA082303.D

				195727
File	Sample	Surrogate Recovery %		Internal Standard Responses
SA082303.D	STD5	106	113	195727
SA082304.D	BLANK	105	113	179043
SA082305.D	LCS5	106	114	157241
SA082306.D	LCSD5	106	113	166140
SA082307.D	91983.03	105	112	155155
SA082308.D	91943.12	105	112	161254
SA082309.D	91943.09	107	115	175620
SA082310.D	91943.07	106	116	182635
SA082311.D	91983.02	102	105	233699
SA082312.D	91983.01	104	112	207686
SA082313.D	91949.02	106	114	210016
SA082314.D	91949.03	107	115	216853
SA082315.D	91949.01	106	115	211328

t - fails 12hr time check * - fails criteria

Created: Tue Aug 24 10:28:29 2010 VOAMS2

Data File : V:\1\DATA\AUG2310\SA082302.D Vial: 2
Acq On : 23 Aug 2010 11:15 am Operator:
Sample : BFB Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09



Spectrum Information: Average of 11.787 to 11.807 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.5	2508	PASS
75	95	30	60	41.2	6661	PASS
95	95	100	100	100.0	16156	PASS
96	95	5	9	6.4	1041	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.8	12405	PASS
175	174	5	9	5.3	656	PASS
176	174	95	101	96.8	12012	PASS
177	176	5	9	6.7	810	PASS

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG2310\SA082303.D Vial: 2
Acq On : 23 Aug 2010 12:03 pm Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
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	87	0.00
2		1,4-dioxaneV	5.000	4.123	17.5	82	0.00
3	S	SS Toluene-d8_MS	10.000	10.589	-5.9	93	0.00
4	S	SS 4-BFB_MS	10.000	11.289	-12.9	101	0.00

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2310\SA082303.D Vial: 2
Acq On : 23 Aug 2010 12:03 pm Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 23 15:34:13 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	195727	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	213664	10.59	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.89%			
4) SS 4-BFB_MS	11.80	95	69933	11.29	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.89%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	4093m	4.123	ug/L	

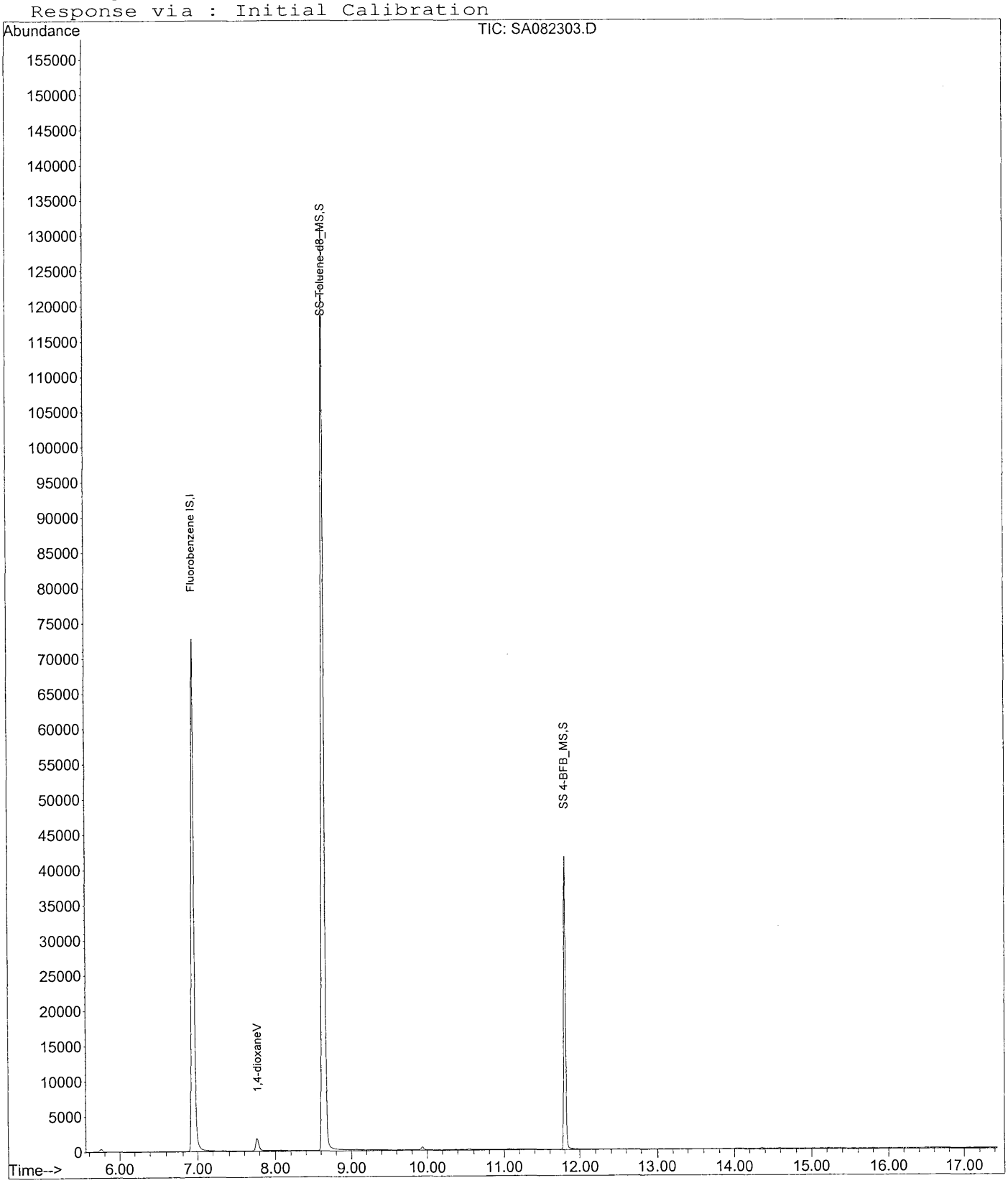
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2310\SA082303.D
Acq On : 23 Aug 2010 12:03 pm
Sample : STD5
Misc : X1;5mL
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:17 2010

Vial: 2
Operator:
Inst : VOAMS2
Multiplr: 1.00
Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2310\SA082304.D Vial: 3
Acq On : 23 Aug 2010 12:50 pm Operator:
Sample : BLANK Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 23 15:32:05 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

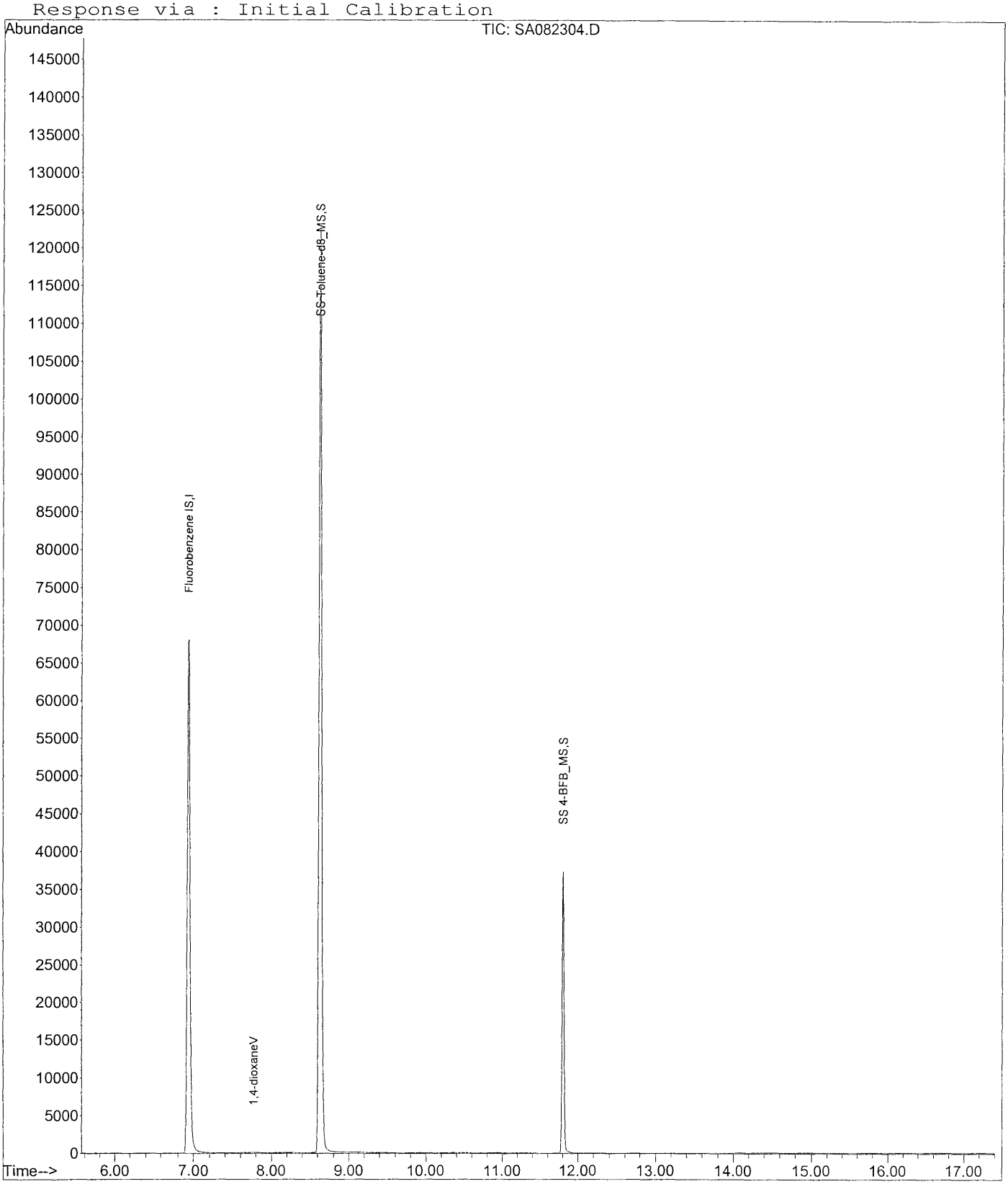
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	179043	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	194406	10.53	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.32%			
4) SS 4-BFB_MS	11.80	95	63815	11.26	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.61%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	56	0.062	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2310\SA082304.D Vial: 3
Acq On : 23 Aug 2010 12:50 pm Operator:
Sample : BLANK Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 23 15:32 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2310\SA082305.D Vial: 4
Acq On : 23 Aug 2010 1:38 pm Operator:
Sample : LCS5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 23 15:31:40 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

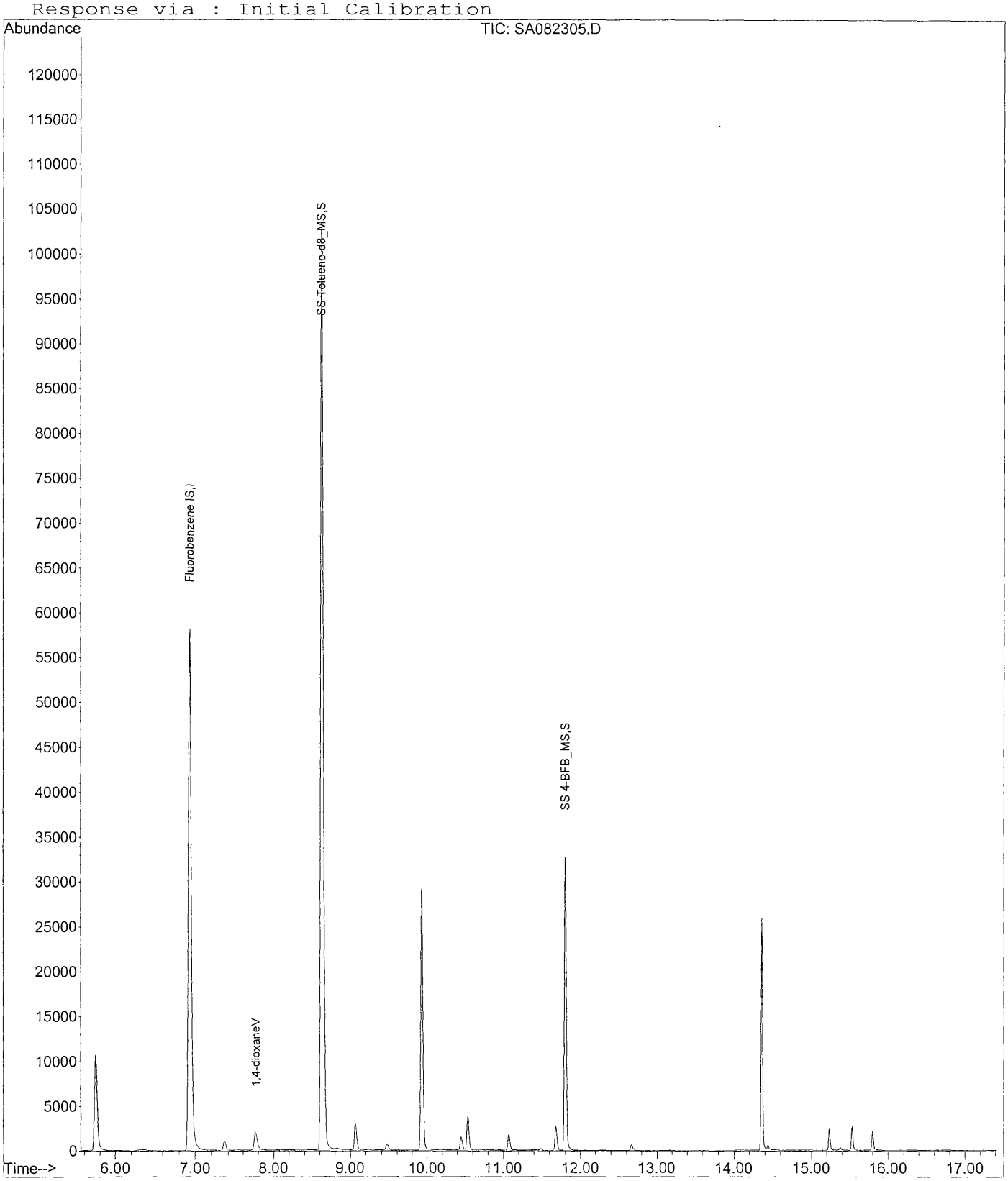
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	157241	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	171173	10.56	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.59%			
4) SS 4-BFB_MS	11.80	95	56779	11.41	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.09%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3733m	4.681	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2310\SA082305.D Vial: 4
Acq On : 23 Aug 2010 1:38 pm Operator:
Sample : LCS5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:33 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2310\SA082306.D Vial: 5
Acq On : 23 Aug 2010 2:25 pm Operator:
Sample : LCSD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 23 15:31:52 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

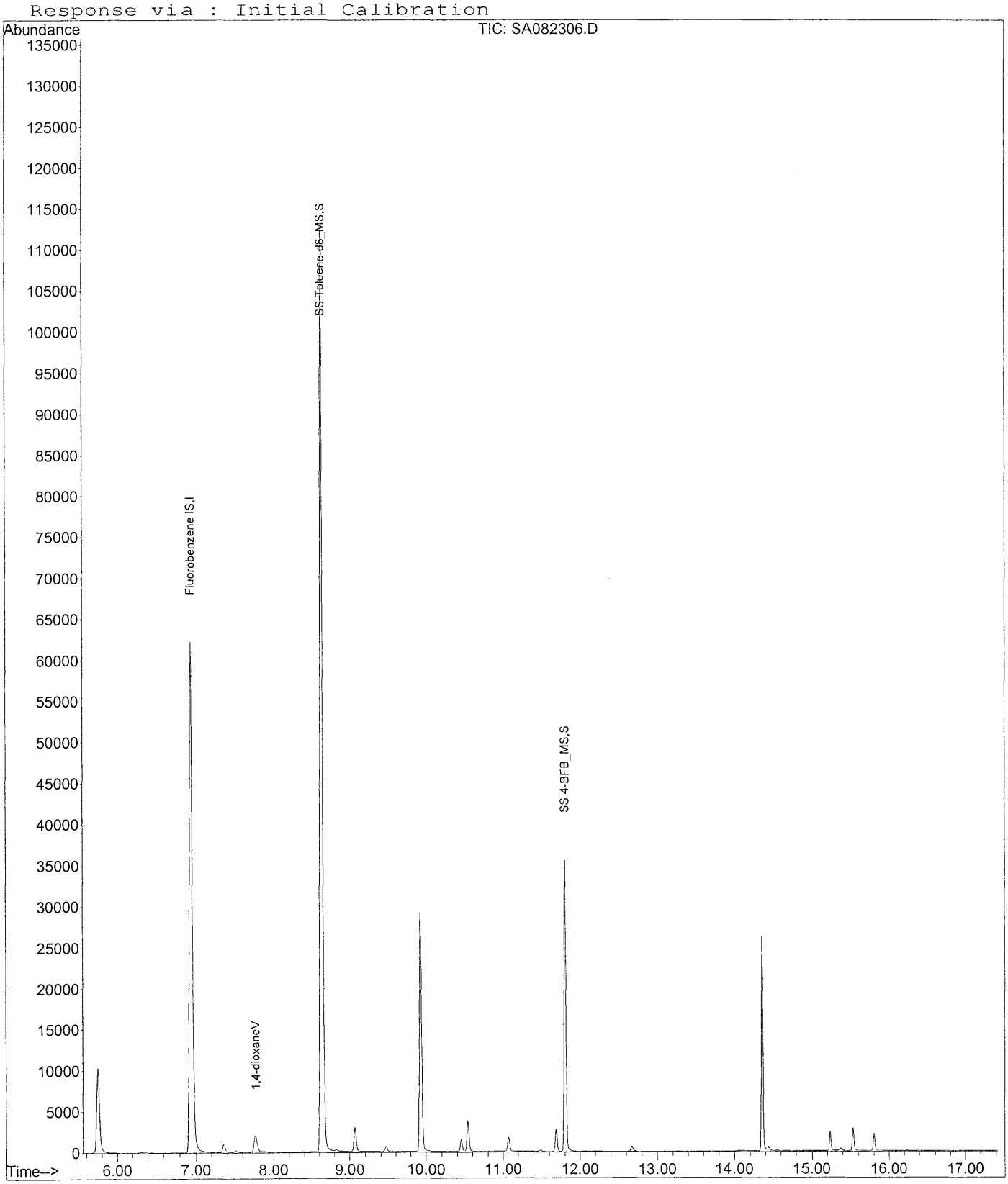
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	166140	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	182001	10.63	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.26%			
4) SS 4-BFB_MS	11.80	95	59537	11.32	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.22%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3717m	4.411	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2310\SA082306.D Vial: 5
Acq On : 23 Aug 2010 2:25 pm Operator:
Sample : LCSD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:33 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2310\SA082310.D Vial: 9
Acq On : 23 Aug 2010 5:35 pm Operator:
Sample : 91943.07 Inst : VOAMS2
Misc : X20;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:18:25 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	182635	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	199446	10.59	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.93%			
4) SS 4-BFB_MS	11.80	95	66907	11.57	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.74%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	10826	11.687	ug/L	95

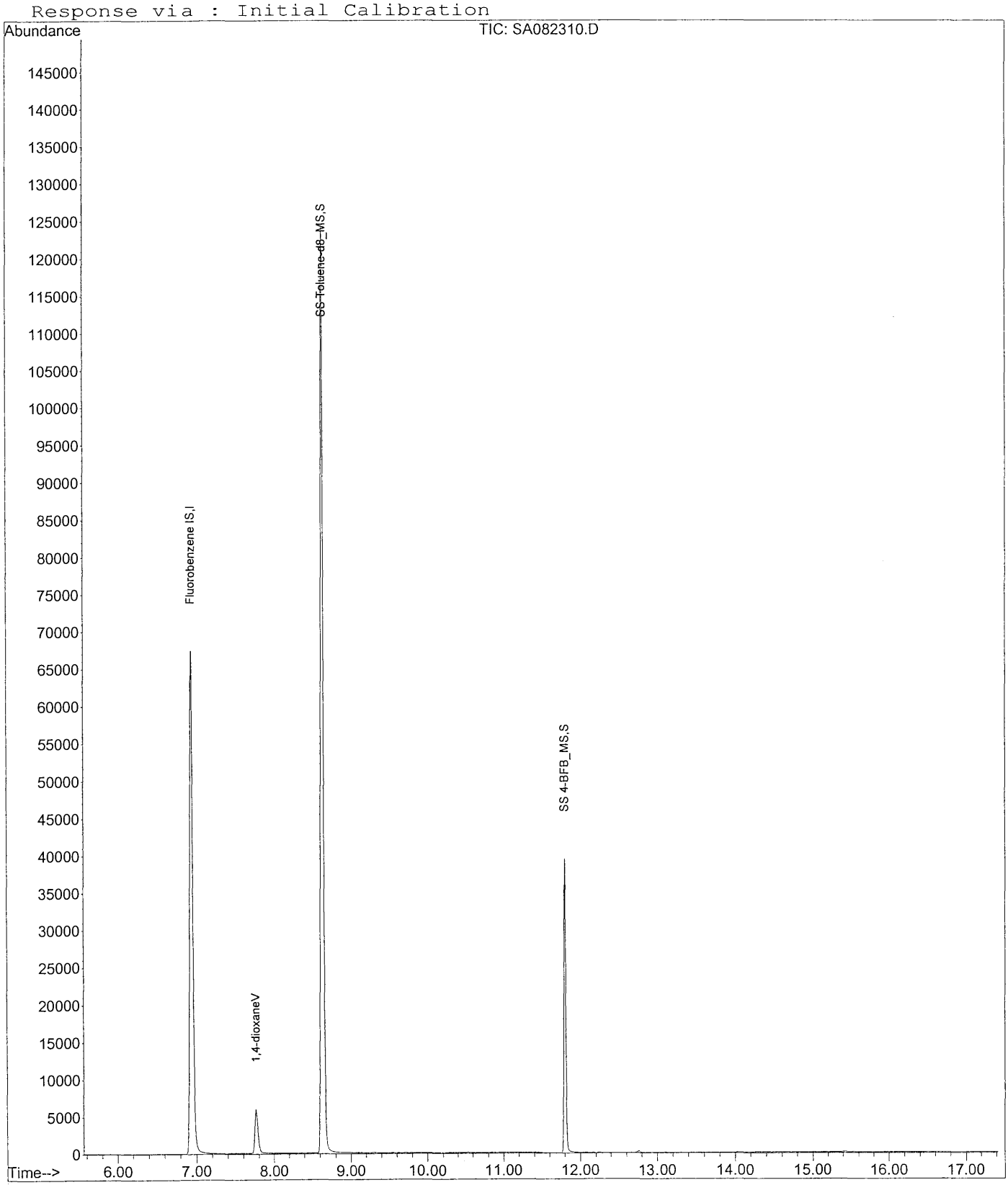
8/24/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2310\SA082310.D Vial: 9
Acq On : 23 Aug 2010 5:35 pm Operator:
Sample : 91943.07 Inst : VOAMS2
Misc : X20;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:18 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG1910\SA081913.D
Acq On : 19 Aug 2010 7:04 pm
Sample : 91943.07
Misc : X1;5mL
MS Integration Params: INTP23.P
Quant Time: Aug 20 09:02:01 2010

Vial: 12
Operator:
Inst : VOAMS2
Multiplr: 1.00

Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	233625	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	248061	10.30	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.99%			
4) SS 4-BFB_MS	11.81	95	76951	10.41	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.07%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	204037	172.196	ug/L	88

Rerun x20
9/20/10

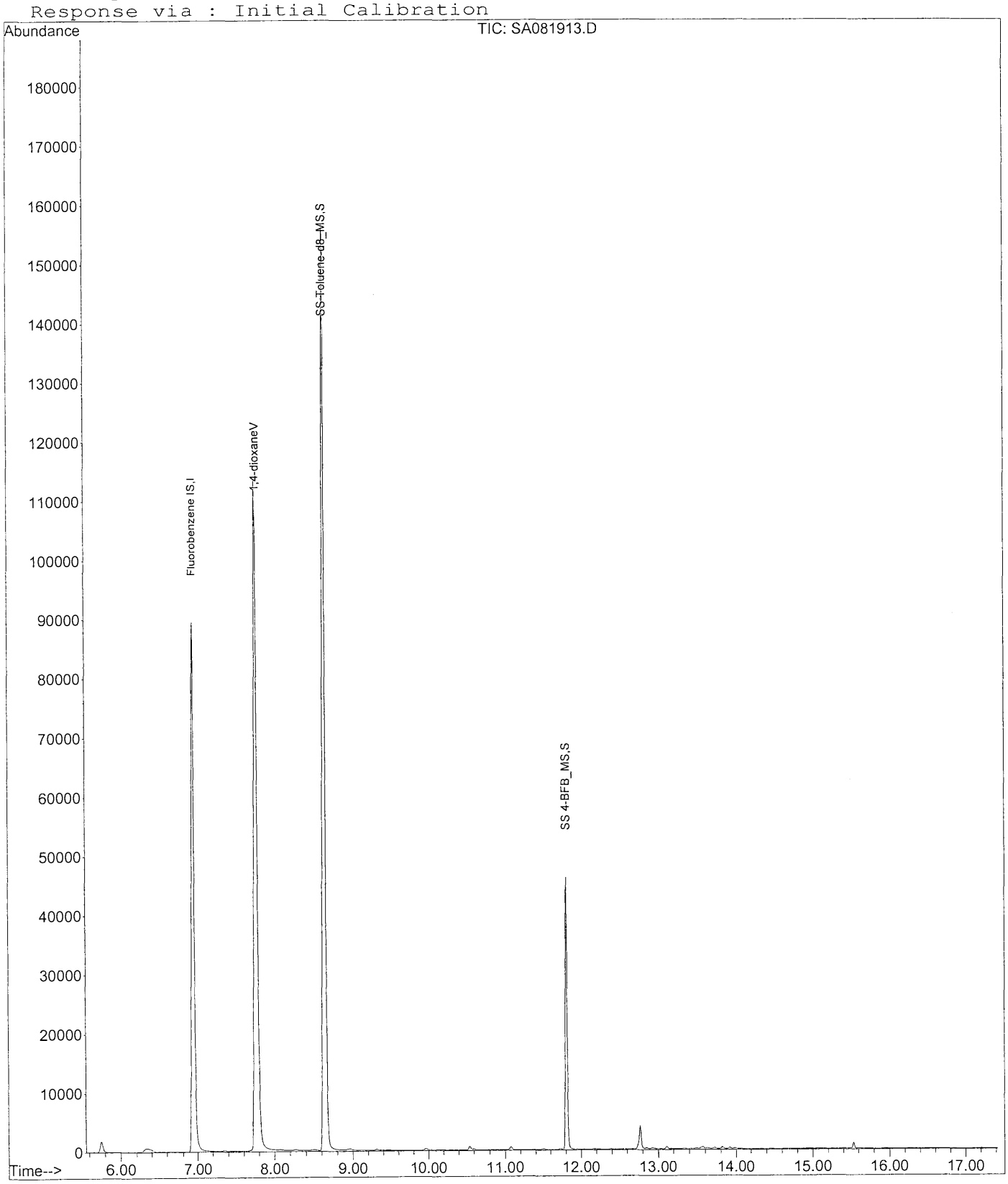
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG1910\SA081913.D
Acq On : 19 Aug 2010 7:04 pm
Sample : 91943.07
Misc : X1;5mL
MS Integration Params: INTP23.P
Quant Time: Aug 20 9:01 2010

Vial: 12
Operator:
Inst : VOAMS2
Multiplr: 1.00
Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2310\SA082309.D Vial: 8
Acq On : 23 Aug 2010 4:48 pm Operator:
Sample : 91943.09 Inst : VOAMS2
Misc : X1;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:18:23 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	175620	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	193643	10.70	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.95%			
4) SS 4-BFB_MS	11.80	95	64065	11.53	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.26%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	18153	20.380	ug/L	92

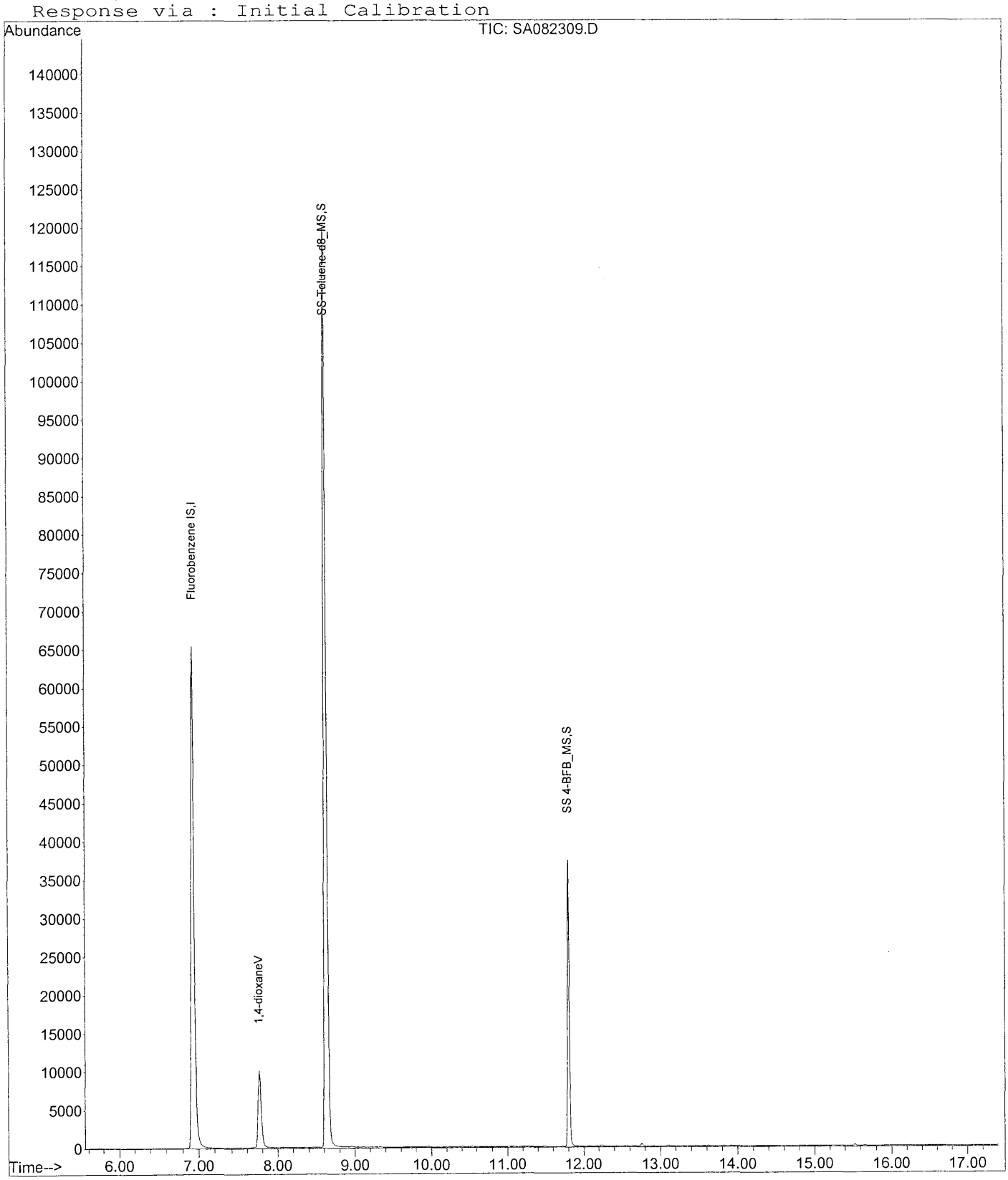
8/24/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2310\SA082309.D Vial: 8
Acq On : 23 Aug 2010 4:48 pm Operator:
Sample : 91943.09 Inst : VOAMS2
Misc : X1;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:18 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG1910\SA081914.D Vial: 13
Acq On : 19 Aug 2010 7:53 pm Operator:
Sample : 91943.09 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 20 09:02:03 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	232055	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	246408	10.30	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.00%			
4) SS 4-BFB_MS	11.81	95	77216	10.51	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.13%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	25350	21.539	ug/L	89

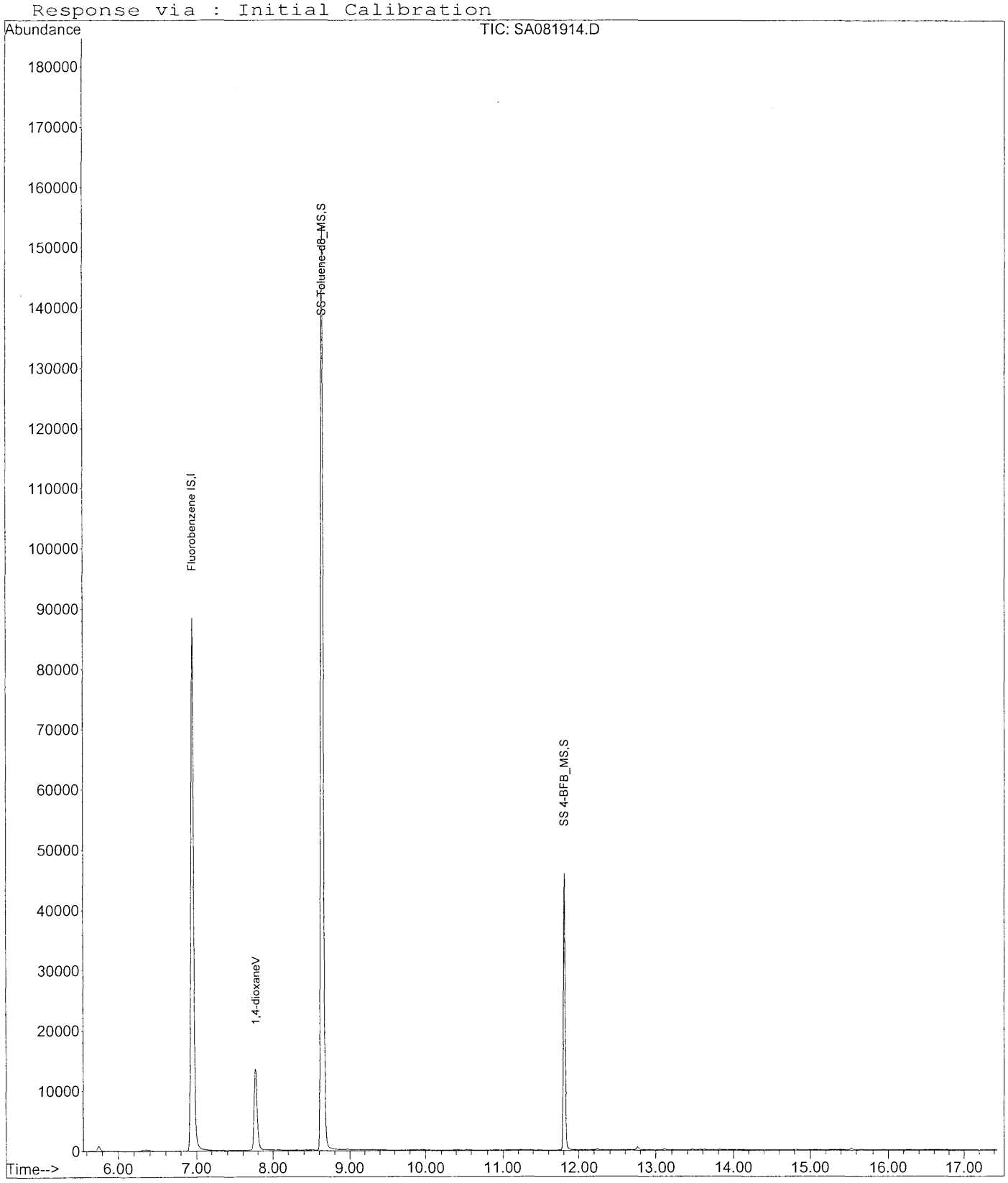
Rerun Maybe C.O. 8/20/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG1910\SA081914.D Vial: 13
Acq On : 19 Aug 2010 7:53 pm Operator:
Sample : 91943.09 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 20 9:02 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2310\SA082308.D Vial: 7
Acq On : 23 Aug 2010 4:00 pm Operator:
Sample : 91943.12 Inst : VOAMS2
Misc : X1;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:18:21 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	161254	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	175122	10.53	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.34%			
4) SS 4-BFB_MS	11.80	95	56966	11.16	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.61%			

Target Compounds Qvalue

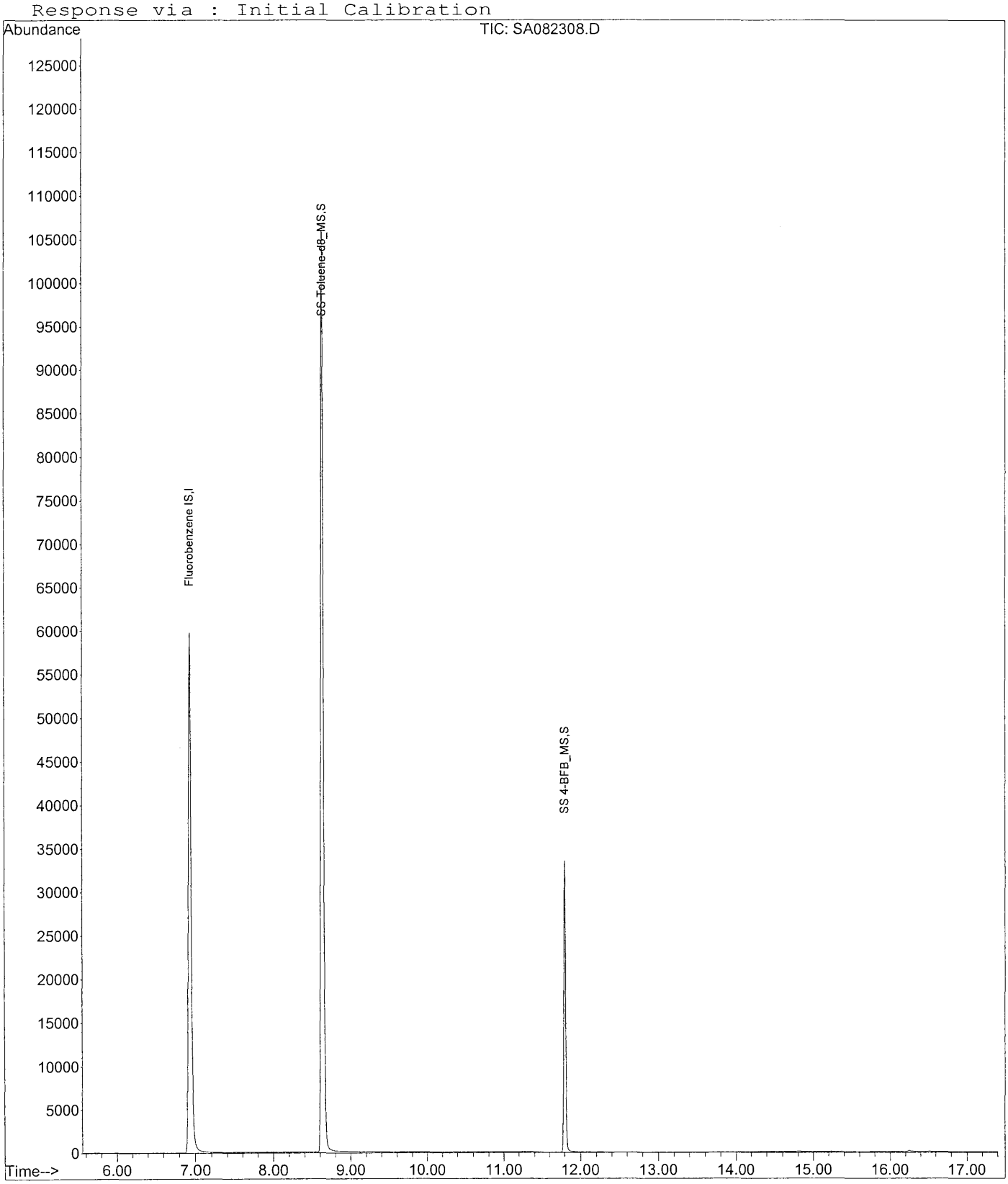
8/24/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2310\SA082308.D Vial: 7
Acq On : 23 Aug 2010 4:00 pm Operator:
Sample : 91943.12 Inst : VOAMS2
Misc : X1;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 10:18 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG1910\SA081915.D Vial: 14
Acq On : 19 Aug 2010 8:42 pm Operator:
Sample : 91943.12 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 20 09:02:05 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

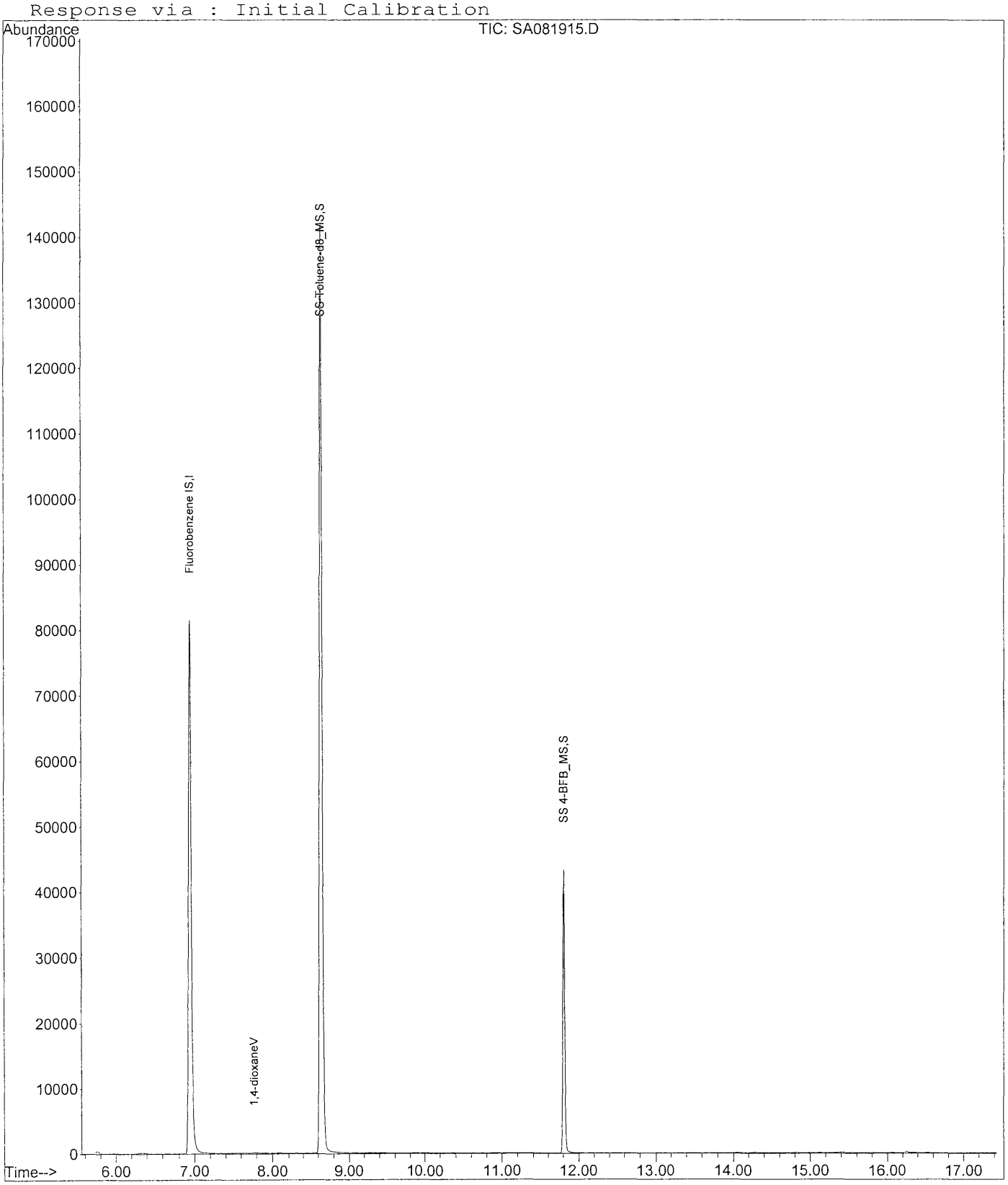
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	218024	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	232902	10.36	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.62%			
4) SS 4-BFB_MS	11.81	95	73386	10.63	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.35%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	233	0.211	ug/L	99

8/20/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : V:\1\DATA\AUG1910\SA081915.D Vial: 14
Acq On : 19 Aug 2010 8:42 pm Operator:
Sample : 91943.12 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 20 9:02 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



504/8011

Batch QC & Sample Data

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

EDB/DBCP PrepLog (EPA 504/8011)

Batch ID: A081910EDB1 Start Time/Date: 8:00 8/19/10 Stop Time/Date: 8:00 8/20/10

Matrix: Aqueous Prep Type: Micro-extraction

#	Sample ID:	Sample Volume (mL)	Vol of Surrogate(A) (uL)	Vol of MDL Spike(B) (uL)	Vol of LFB Spike(C) (uL)	Vol of Calibration(D) (uL)	Hexane Final Volume (mL)	Sample Prep/Sample Extract Notes	LIMS (√)	Date	Analyst
1	LCSA A081910EDB1	35	5	-	14	-	2			8/19/10	
2	LCSD			-	14	-					
3	MBLA			35	-	-					
4	BLANK			-	-	-					
5	EDB 0.01 ug/L			-	-	35					
6	0.02			-	-						
7	0.05			-	-						
8	0.075			-	-						
9	0.1			-	-						
10	0.25			-	-						
11	91932.01	35	5	-	-	-	2			8/19/10	
12	.03			-	-	-					
13	91943.07			-	-	-					
14	.09			-	-	-					
15	91964.01			-	-	-					
16	.02			-	-	-					
17	91995.01			-	-	-					
18	.03			-	-	-					
19	92028.01	35	5	-	-	-	2			8/20/10	
20	.02			-	-	-					
21	.03			-	-	-					
22	.04			-	-	-					
23											
24											
25											
26											
27											
28											
29											
30											

8/20/10

A Surrogate Lot#: 5377 Expiration Date: 9-18-10
B MDL Spike Lot#: 20046 Expiration Date: 4-1-12
C LFB Spike Lot#: 19463 Expiration Date: 5-21-12
D Calibration Lot#: 5383 Expiration Date: 9-18-10

Hexane Lot#: 50083
Salt Lot#: 20060

EDB/HAA Instrument Run Log

Date: 8/19/10 Analyst: [signature] Data Folder: 081910

Vial	Sample Name	Dilution	Quant Method	Comments	Data File
100	HEXANE				8V12058-CC
1	EDB 0.01 ug/L		EDB08190.M	✓	61
2	0.02			✓	62
3	0.05			✓	63
4	0.075			✓	64
5	0.1			✓	65
6	0.25			✓	66
7	LCSaA081910EDB1			✓	67
8	LCSD			✓	68
9	MSLa			✓	69
10	BLNK			✓	70
11	91932.01			✓	71
12	91932.03			✓	72
13	91943.07			✓	73
14	.09			✓	74
15	91964.01			✓	75
16	.02			✓	76
17	91995.01			✓	77
18	.03			✓	78
1	EDB 0.1 ug/L			✓	79
100	HEXANE				80
1	EDB 0.1 ug/L			✓	81
2	92028.01			✓	82
3	.02			✓	83
4	.03			✓	84
5	.04 .06 8/20/10			✓	85
1	EDB 0.1 ug/L			✓	86

8/20/10

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Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12061.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12061.D\ECD2B.CH
Acq On : 19 Aug 2010 7:52 am Operator:
Sample : EDB 0.01 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:41 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:41:19 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.59	1392	1753	0.010	0.012
Spiked Amount 0.100	Range 65 - 135		Recovery =		10.00%#	12.00%#
Target Compounds						
1) TM EDB	1.90	2.31	990	781	0.012m	0.010
3) TM DBCP	3.93	4.36	1044	915	0.011	0.011m

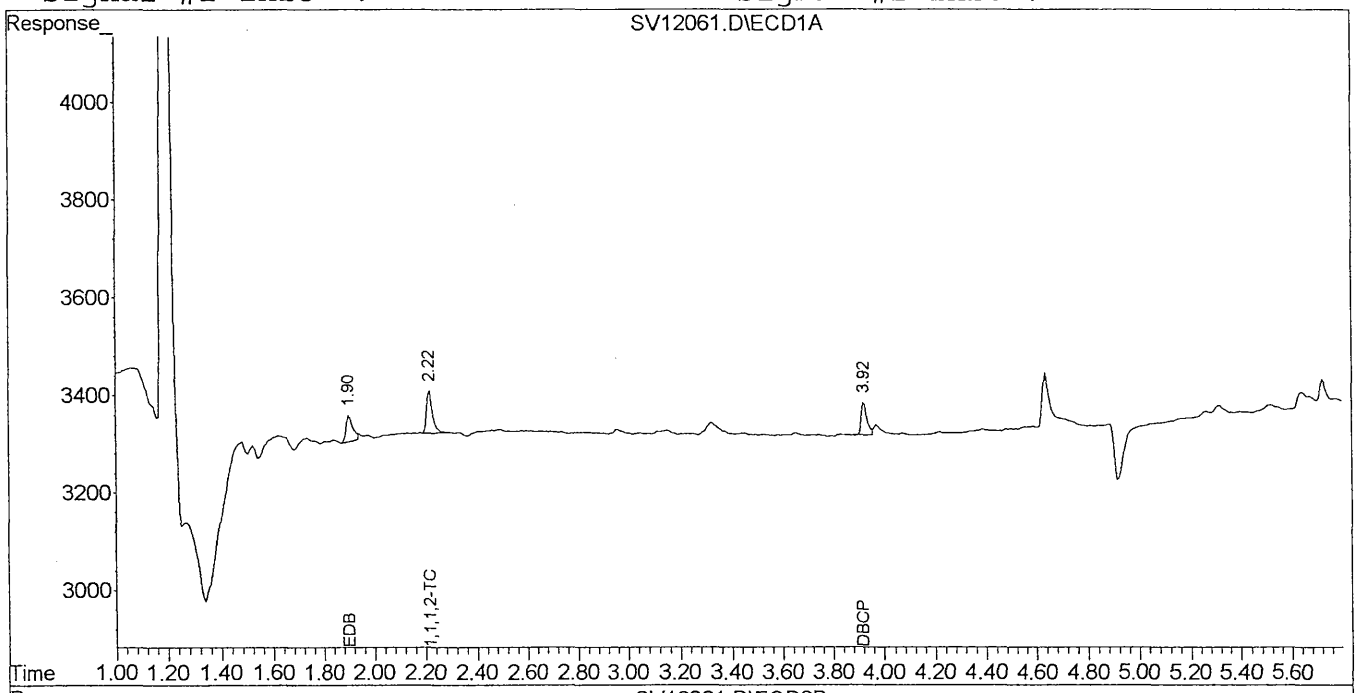
082310

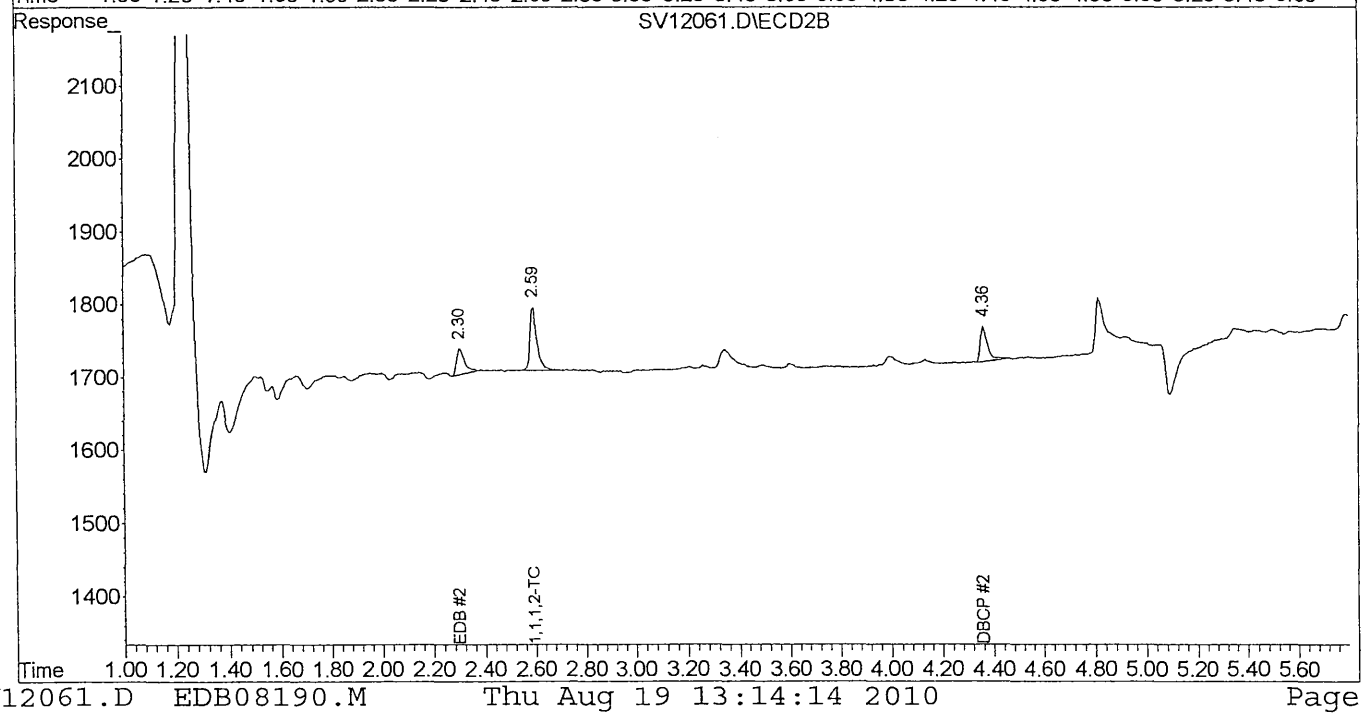
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12061.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12061.D\ECD2B.CH
Acq On : 19 Aug 2010 7:52 am Operator:
Sample : EDB 0.01 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:41 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:41:19 2010
Response via : Single Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12062.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12062.D\ECD2B.CH
Acq On : 19 Aug 2010 8:07 am Operator:
Sample : EDB 0.02 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:42 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:42:23 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

8/20/10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	3006	3295	0.022	0.021
Spiked Amount 0.100	Range 65 - 135		Recovery =		22.00%#	21.00%#
Target Compounds						
1) TM EDB	1.90	2.31	1796	1624	0.021m	0.021m
3) TM DBCP	3.93	4.36	2078	1887	0.021	0.022m

1
082310

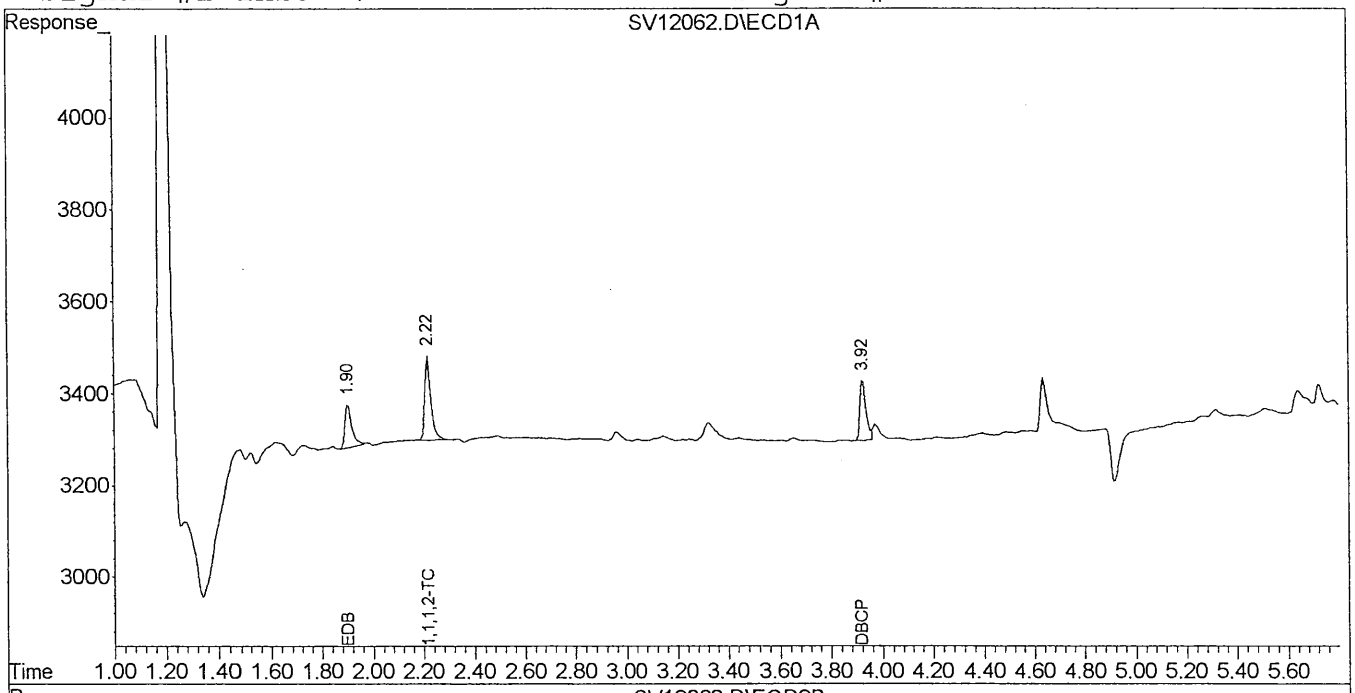
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

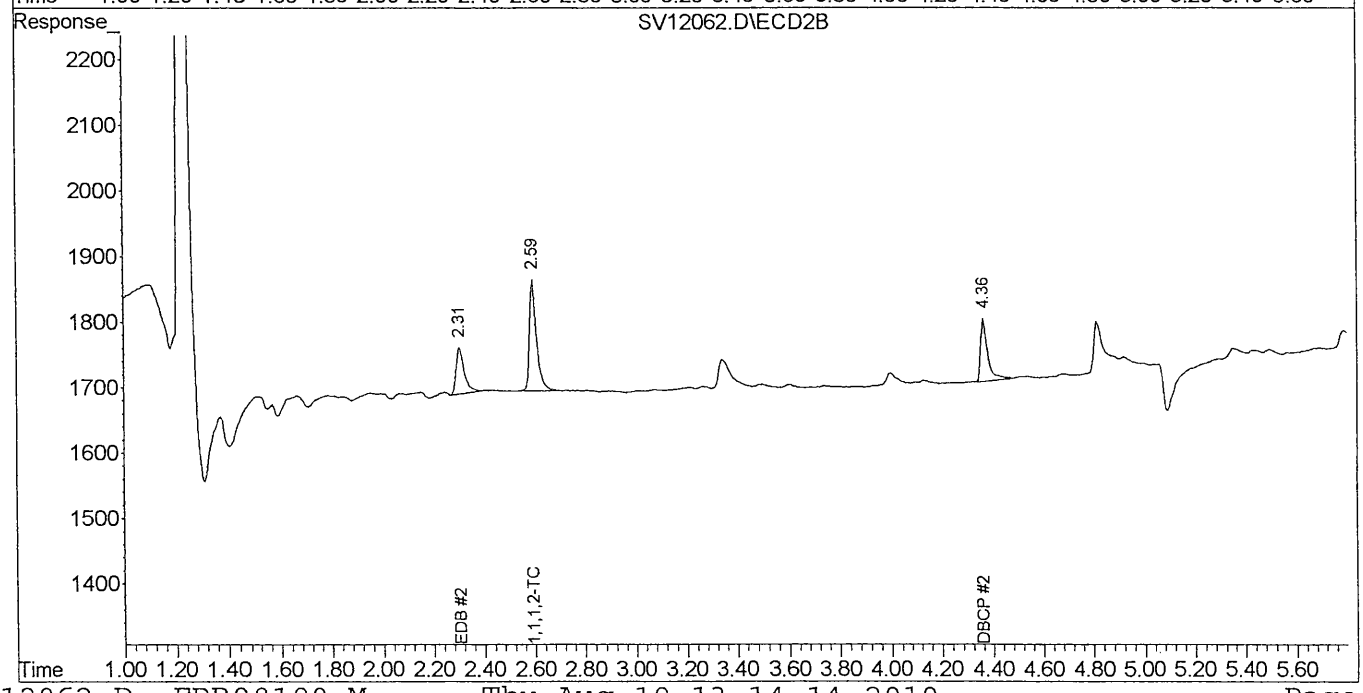
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12062.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12062.D\ECD2B.CH
Acq On : 19 Aug 2010 8:07 am Operator:
Sample : EDB 0.02 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:42 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:42:23 2010
Response via : Single Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12063.D\ECD1A.CH Vial: 3
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12063.D\ECD2B.CH
Acq On : 19 Aug 2010 8:22 am Operator:
Sample : EDB 0.05 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:43 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:43:13 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	6885	7540	0.050	0.050
Spiked Amount 0.100	Range 65 - 135		Recovery =		50.00%#	50.00%#
Target Compounds						
1) TM EDB	1.91	2.31	4030	3845	0.050	0.050
3) TM DBCP	3.93	4.36	4717	4211	0.050	0.050

✓
082310

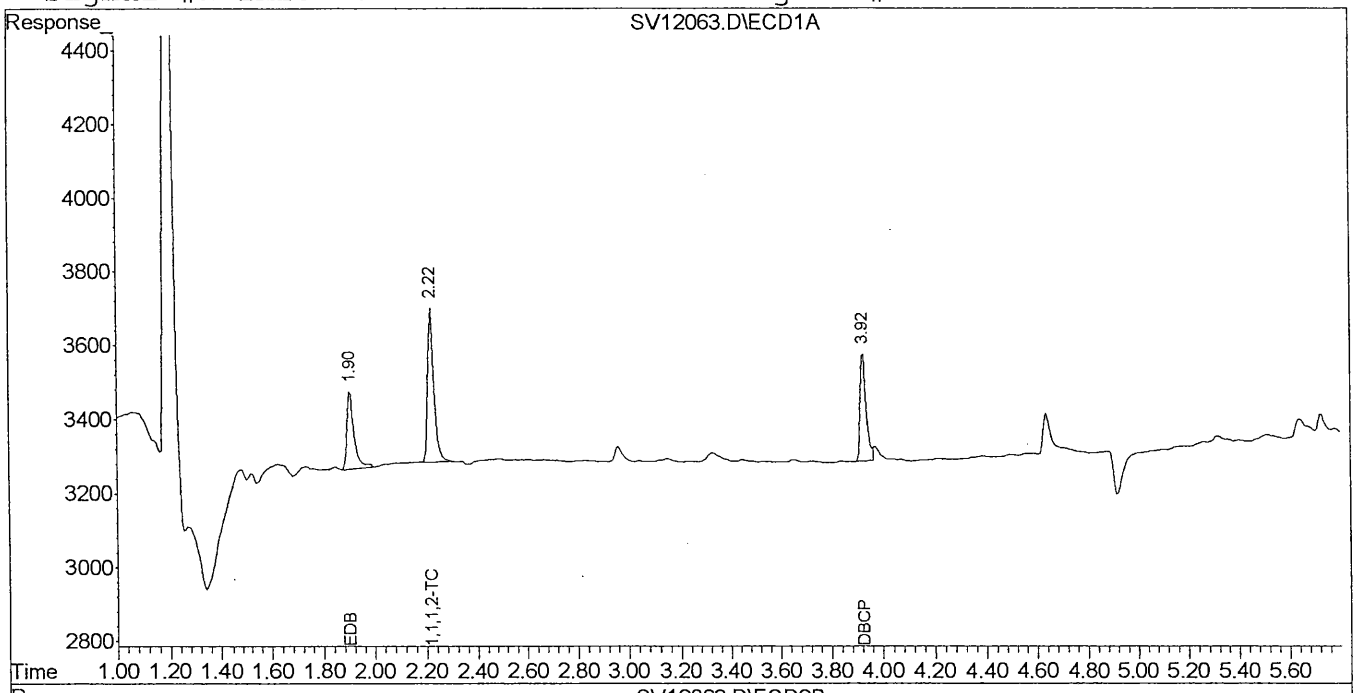
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

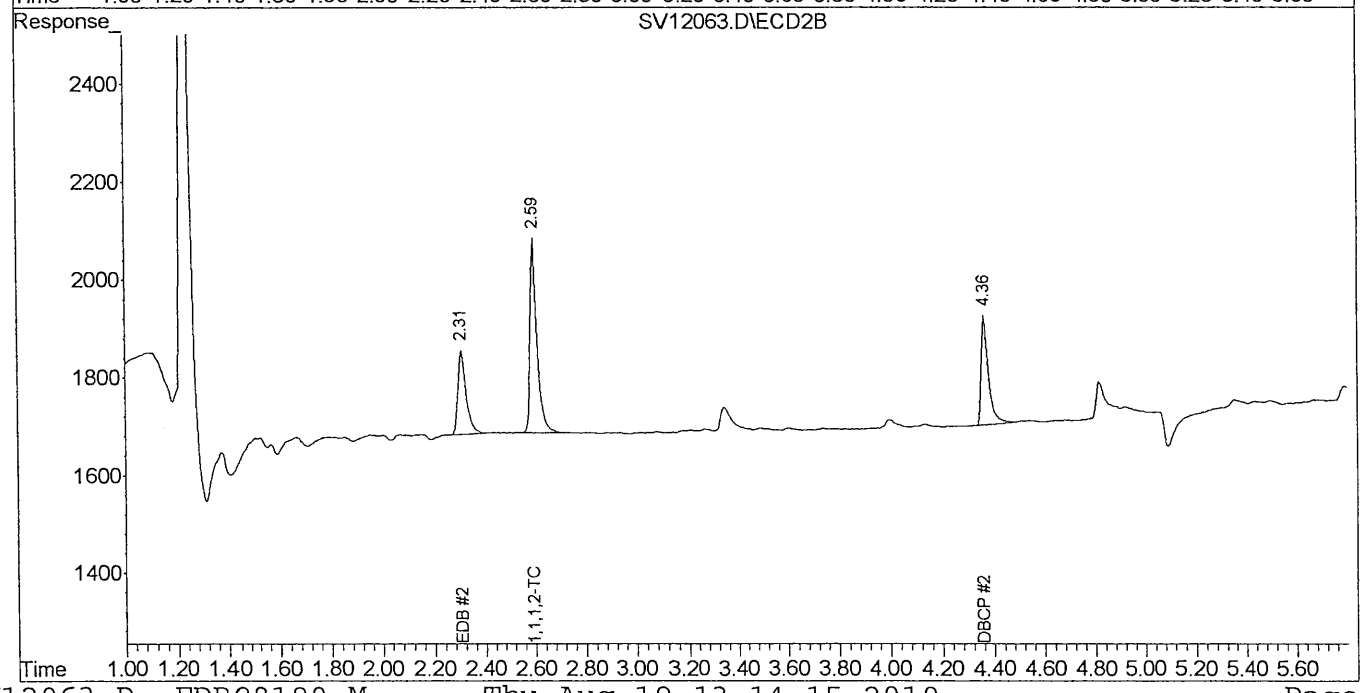
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12063.D\ECD1A.CH Vial: 3
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12063.D\ECD2B.CH
Acq On : 19 Aug 2010 8:22 am Operator:
Sample : EDB 0.05 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:43 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:43:13 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12064.D\ECD1A.CH Vial: 4
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12064.D\ECD2B.CH
Acq On : 19 Aug 2010 8:37 am Operator:
Sample : EDB 0.075 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:44 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:43:47 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	9932	11089	0.072	0.075
Spiked Amount 0.100	Range 65 - 135		Recovery =		72.00%	75.00%
Target Compounds						
1) TM EDB	1.91	2.31	5474	5671	0.069	0.074
3) TM DBCP	3.92	4.37	6860	6179	0.073m	0.074

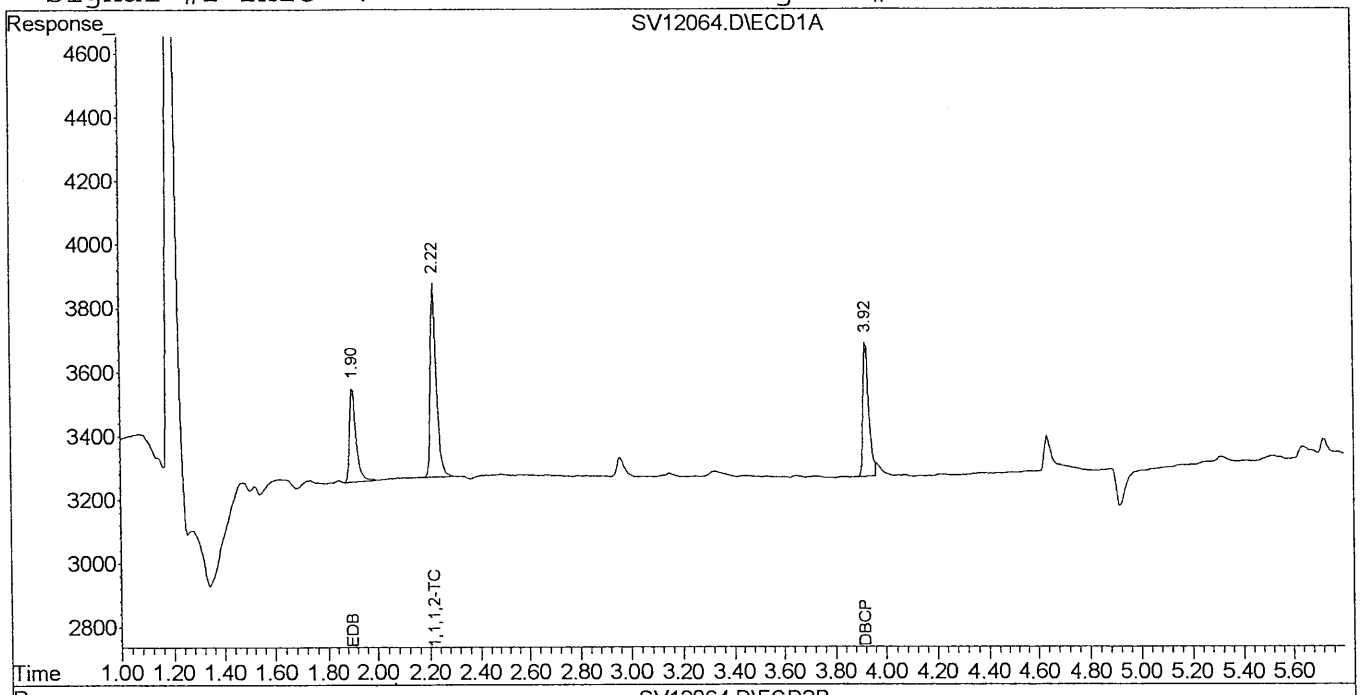
✓
082310
JW

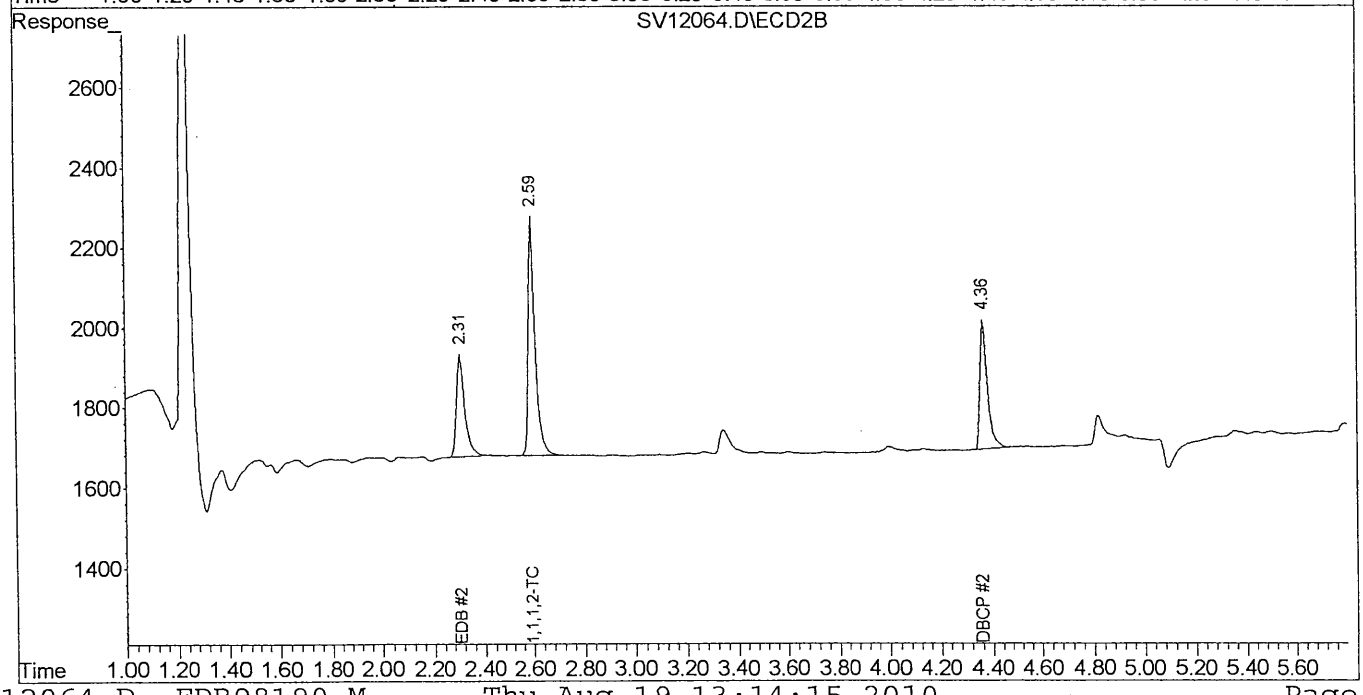
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12064.D\ECD1A.CH Vial: 4
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12064.D\ECD2B.CH
Acq On : 19 Aug 2010 8:37 am Operator:
Sample : EDB 0.075 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:44 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:43:47 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12065.D\ECD1A.CH Vial: 5
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12065.D\ECD2B.CH
Acq On : 19 Aug 2010 8:59 am Operator:
Sample : EDB 0.1 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:57 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:44:23 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	13460	15257	0.101	0.104
Spiked Amount 0.100	Range 65 - 135		Recovery =		101.00%	104.00%
Target Compounds						
1) TM EDB	1.91	2.31	7156	7908	0.098	0.105
3) TM DBCP	3.92	4.37	9117	8297	0.100m	0.101

1
080310

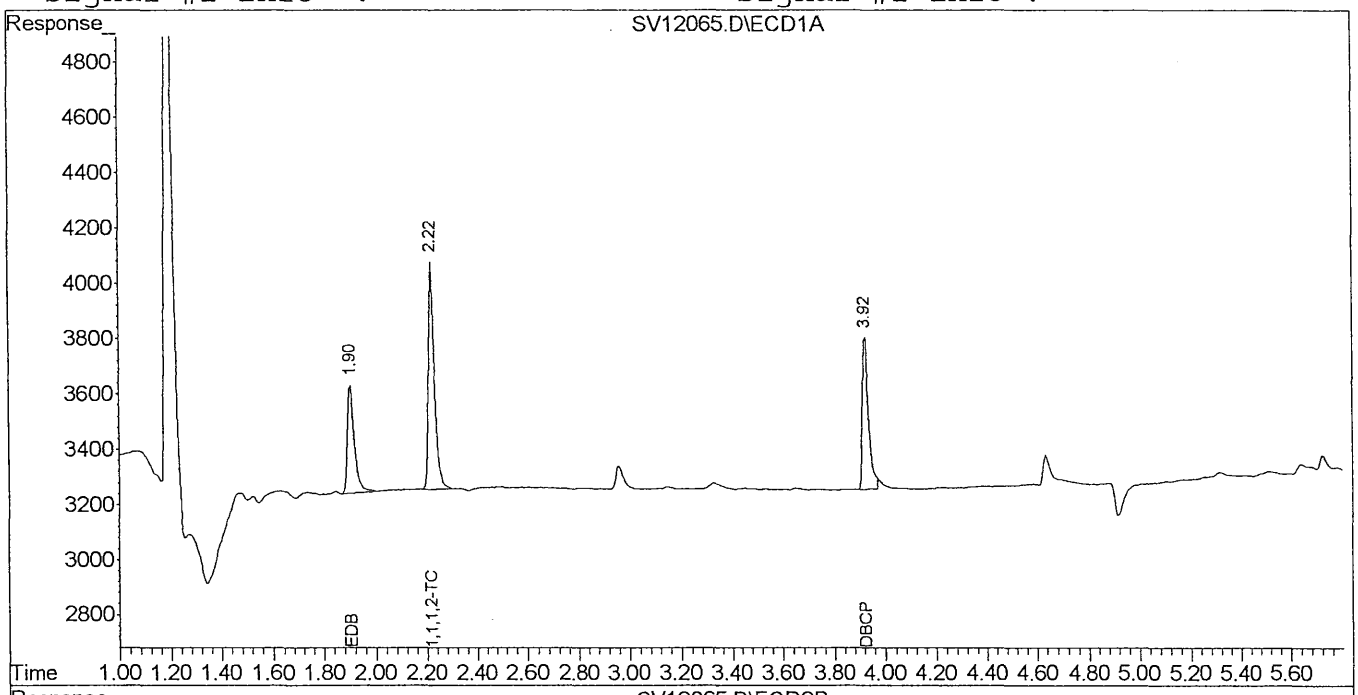
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

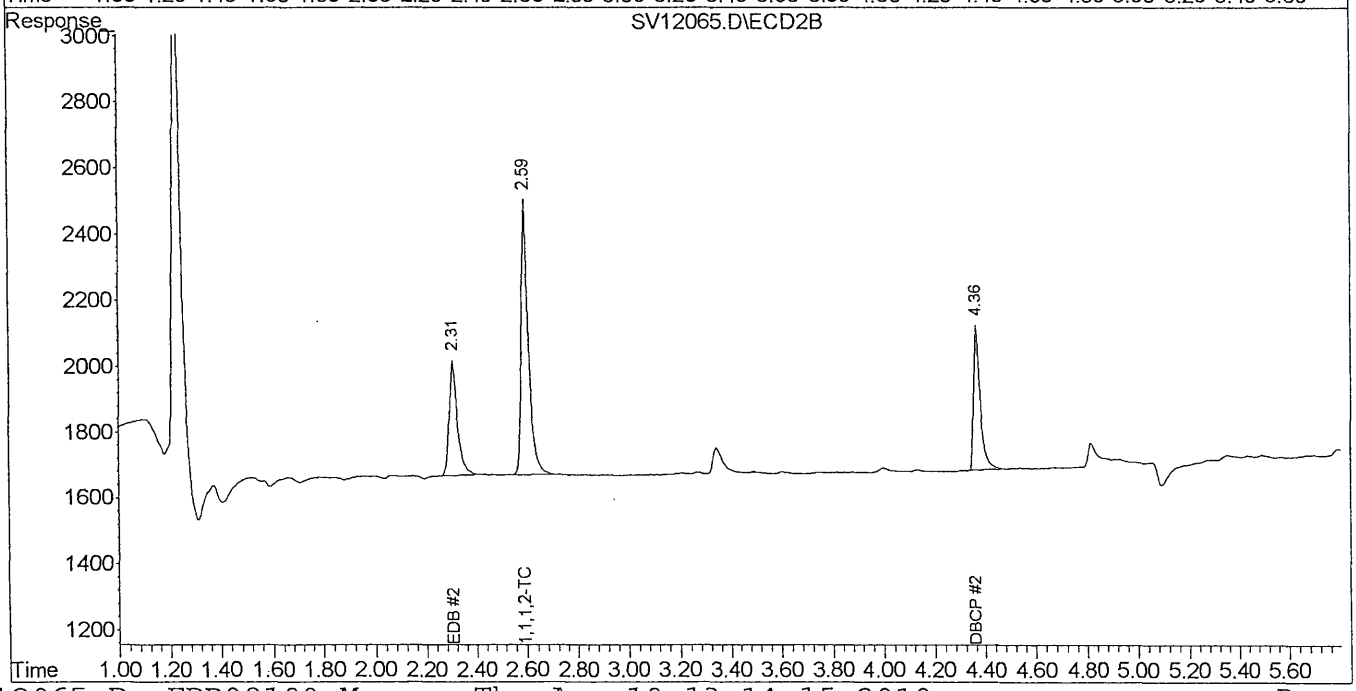
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12065.D\ECD1A.CH Vial: 5
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12065.D\ECD2B.CH
Acq On : 19 Aug 2010 8:59 am Operator:
Sample : EDB 0.1 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:57 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:44:23 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12066.D\ECD1A.CH Vial: 6
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12066.D\ECD2B.CH
Acq On : 19 Aug 2010 9:14 am Operator:
Sample : EDB 0.25 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 9:14 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:57:25 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	29124	36076	0.219	0.242
Spiked Amount 0.100	Range 65 - 135		Recovery =		219.00%#	242.00%#
Target Compounds						
1) TM EDB	1.90	2.31	15534	18187	0.222m	0.234
3) TM DBCP	3.93	4.36	20484	19544	0.228	0.239m

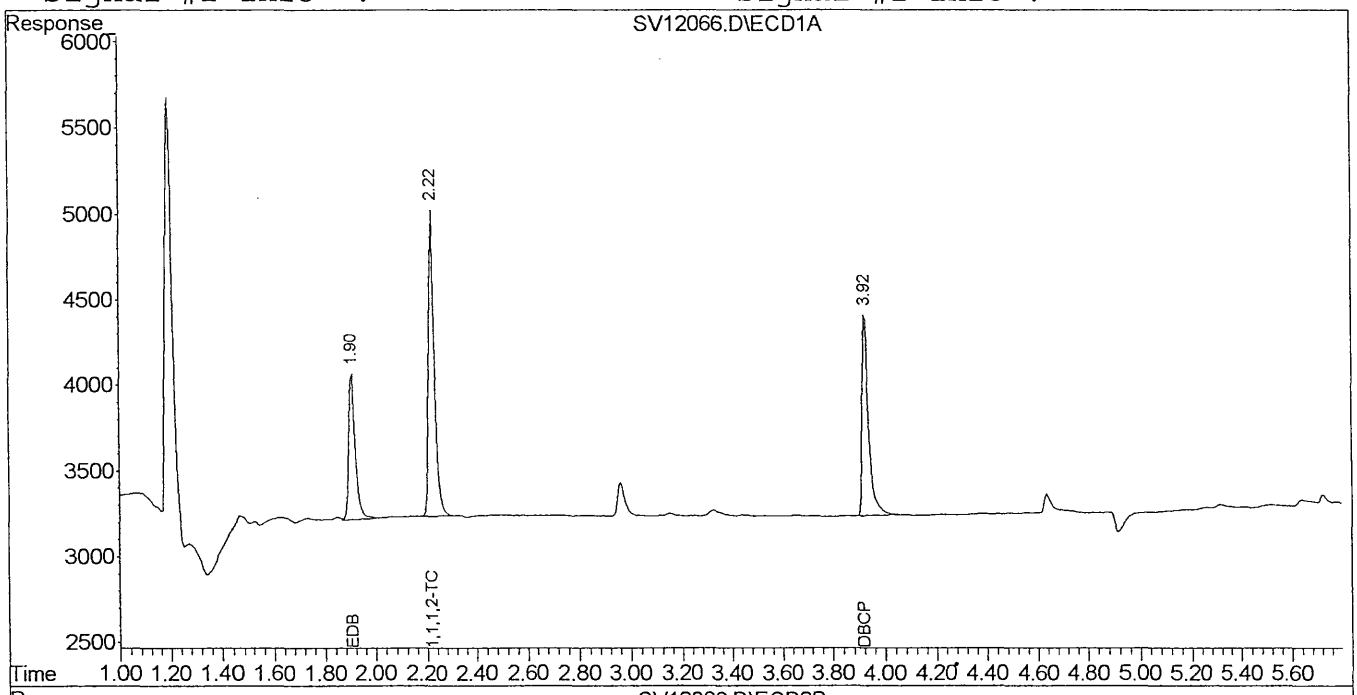
✓
082310
JW

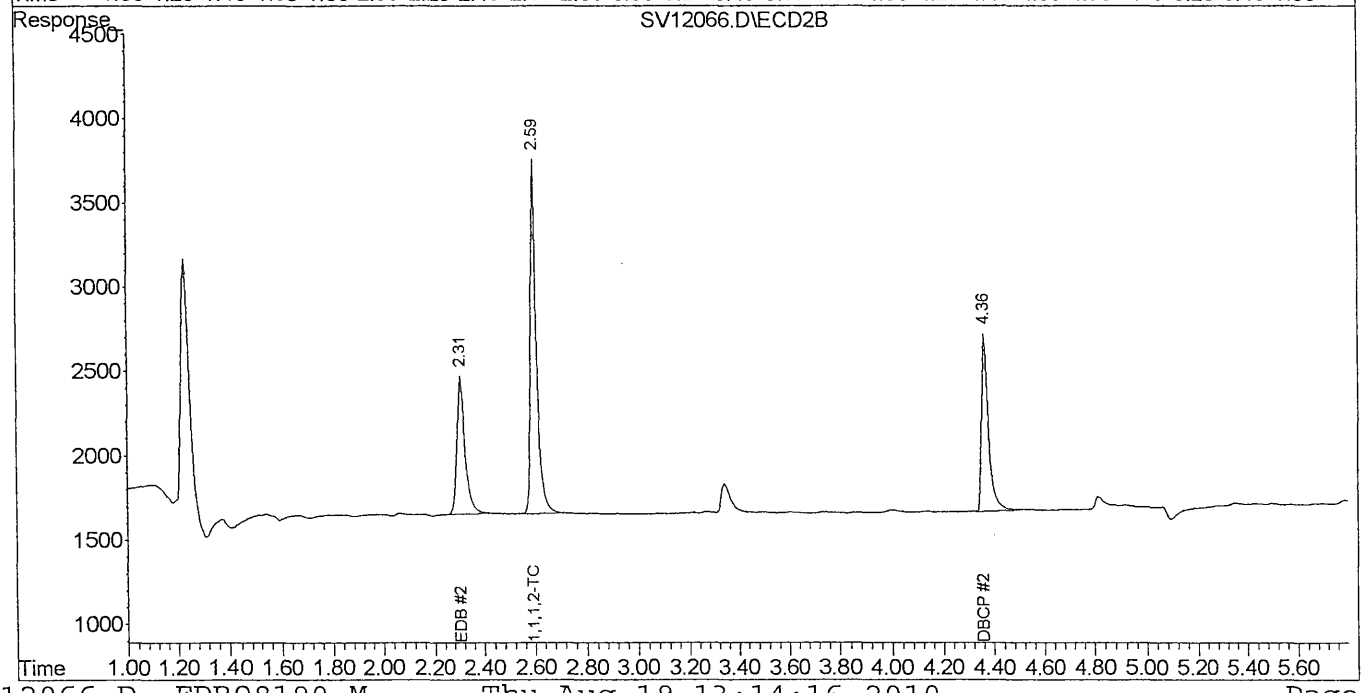
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

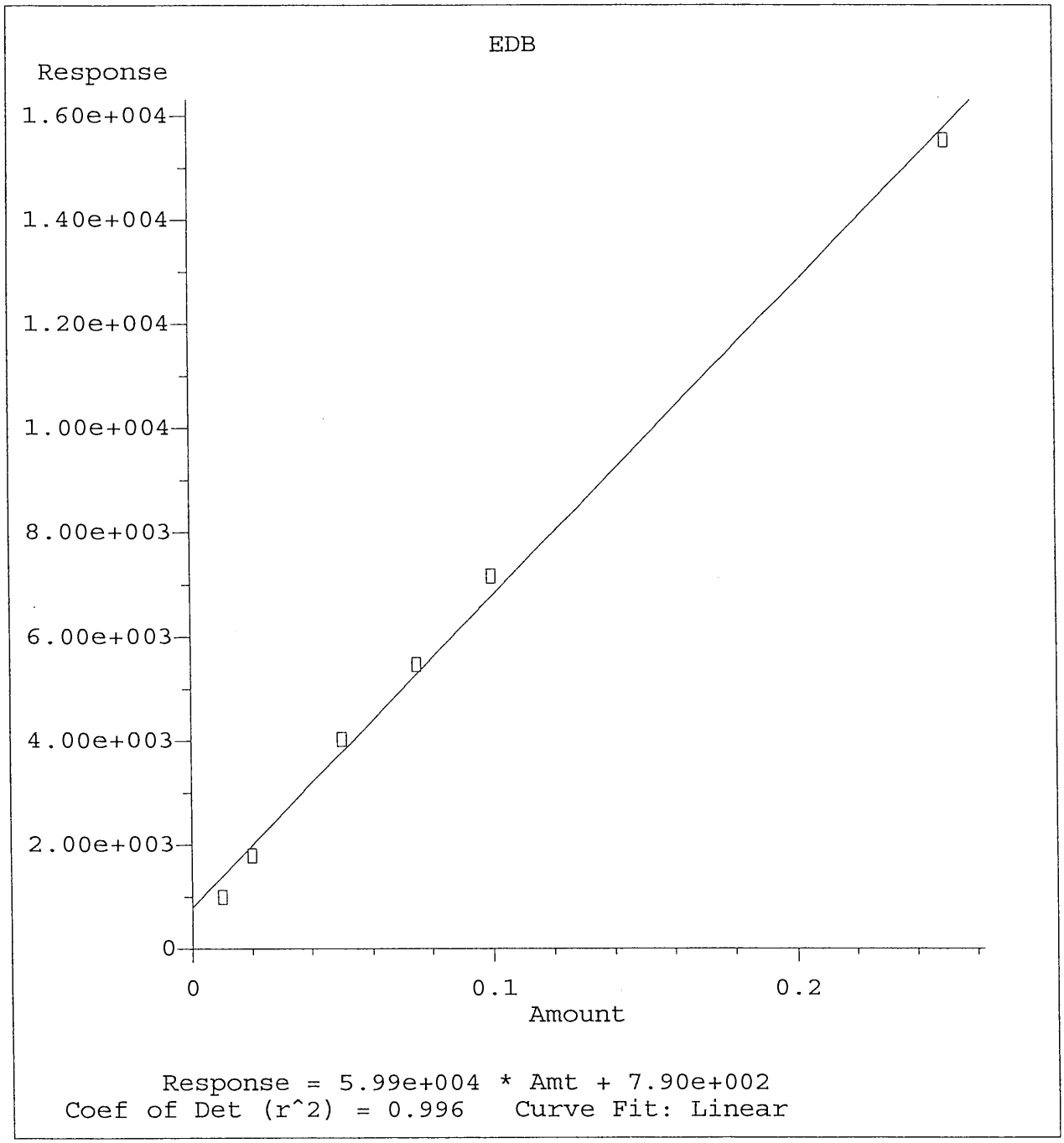
Signal #1 : D:\HPCHEM\1\DATA\081910\SV12066.D\ECD1A.CH Vial: 6
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12066.D\ECD2B.CH
Acq On : 19 Aug 2010 9:14 am Operator:
Sample : EDB 0.25 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 9:14 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:57:25 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

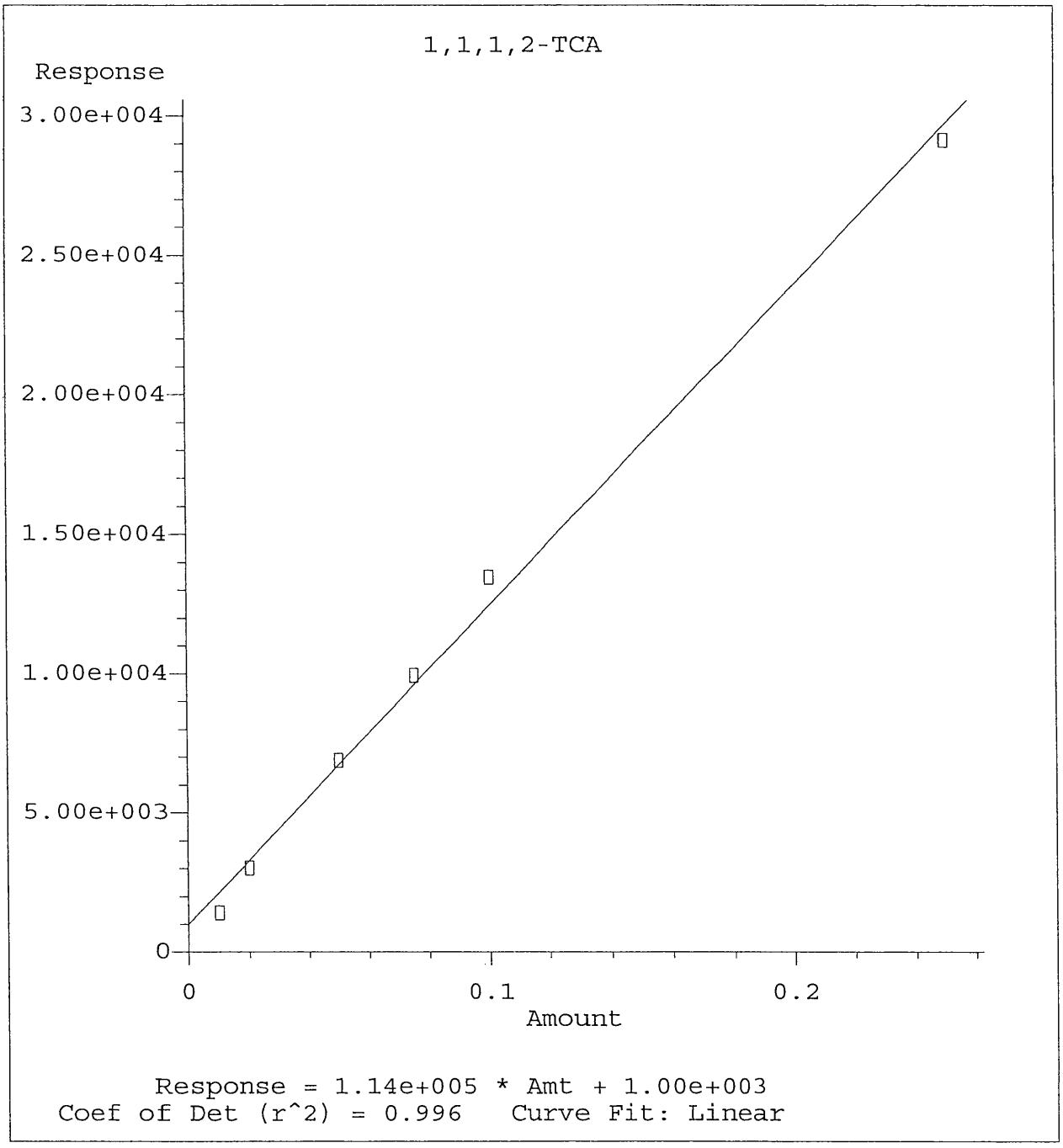
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



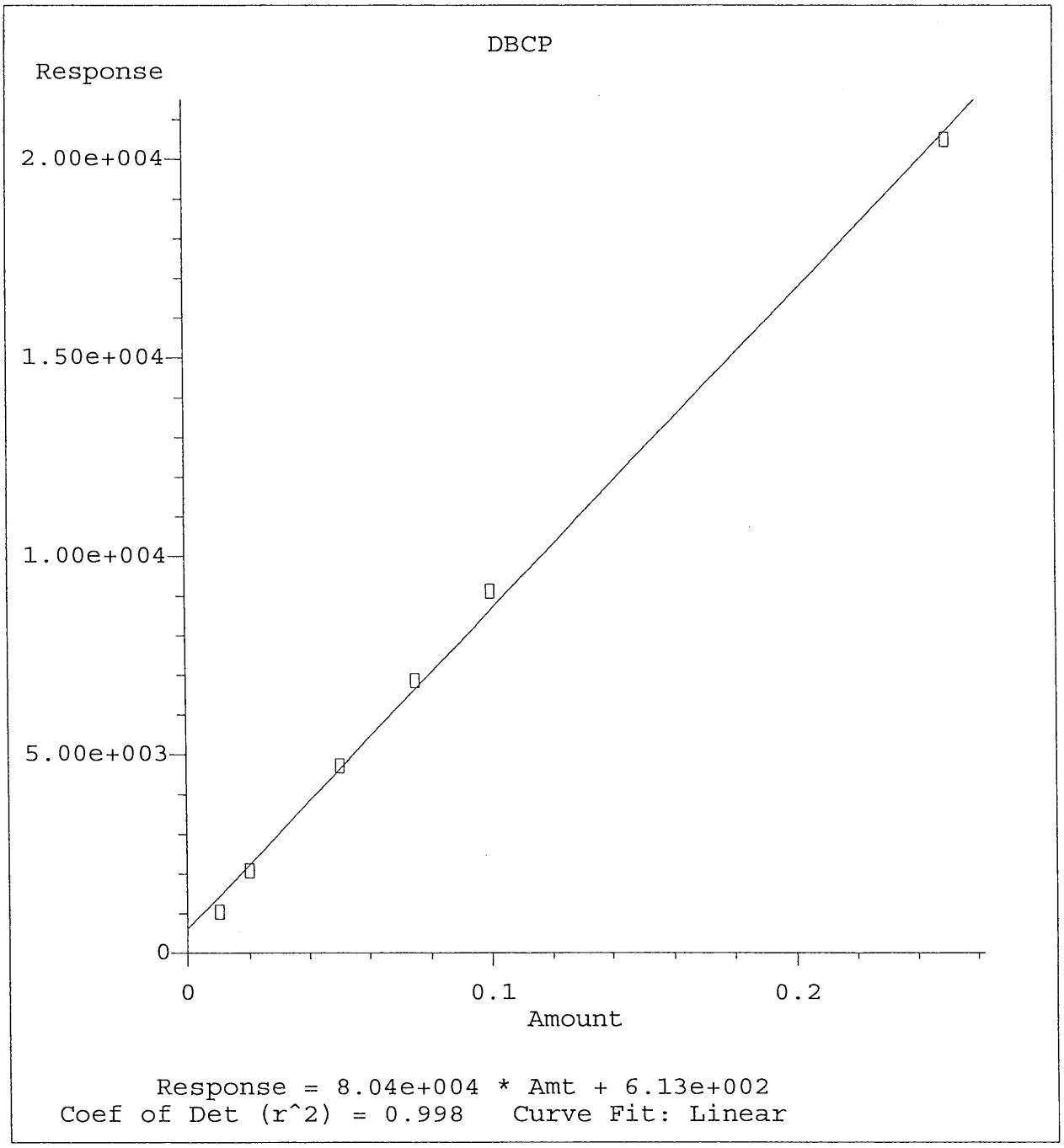




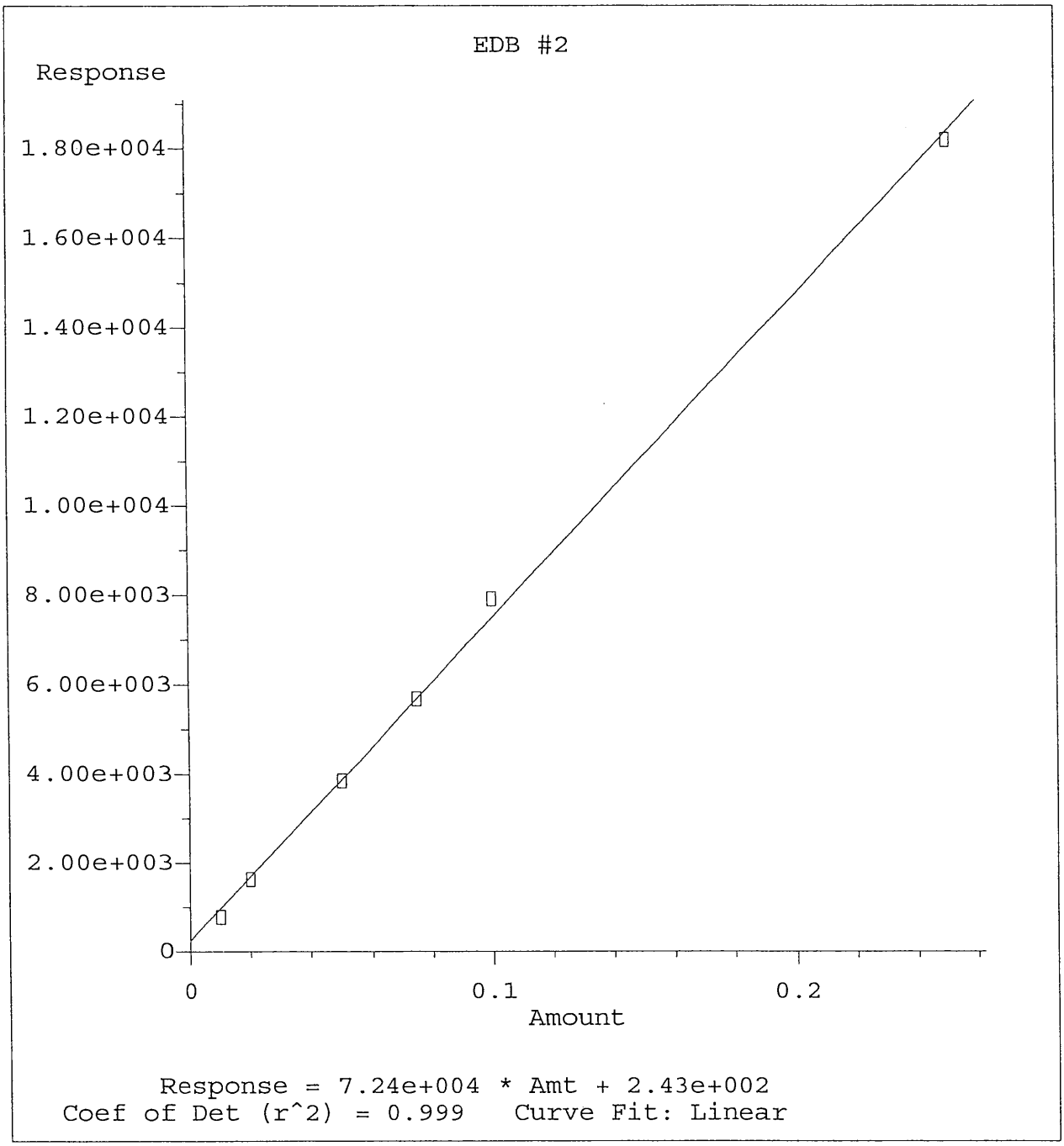
Method Name: D:\HPCHEM\1\METHODS\EDB08190.M
Calibration Table Last Updated: Thu Aug 19 10:20:12 2010



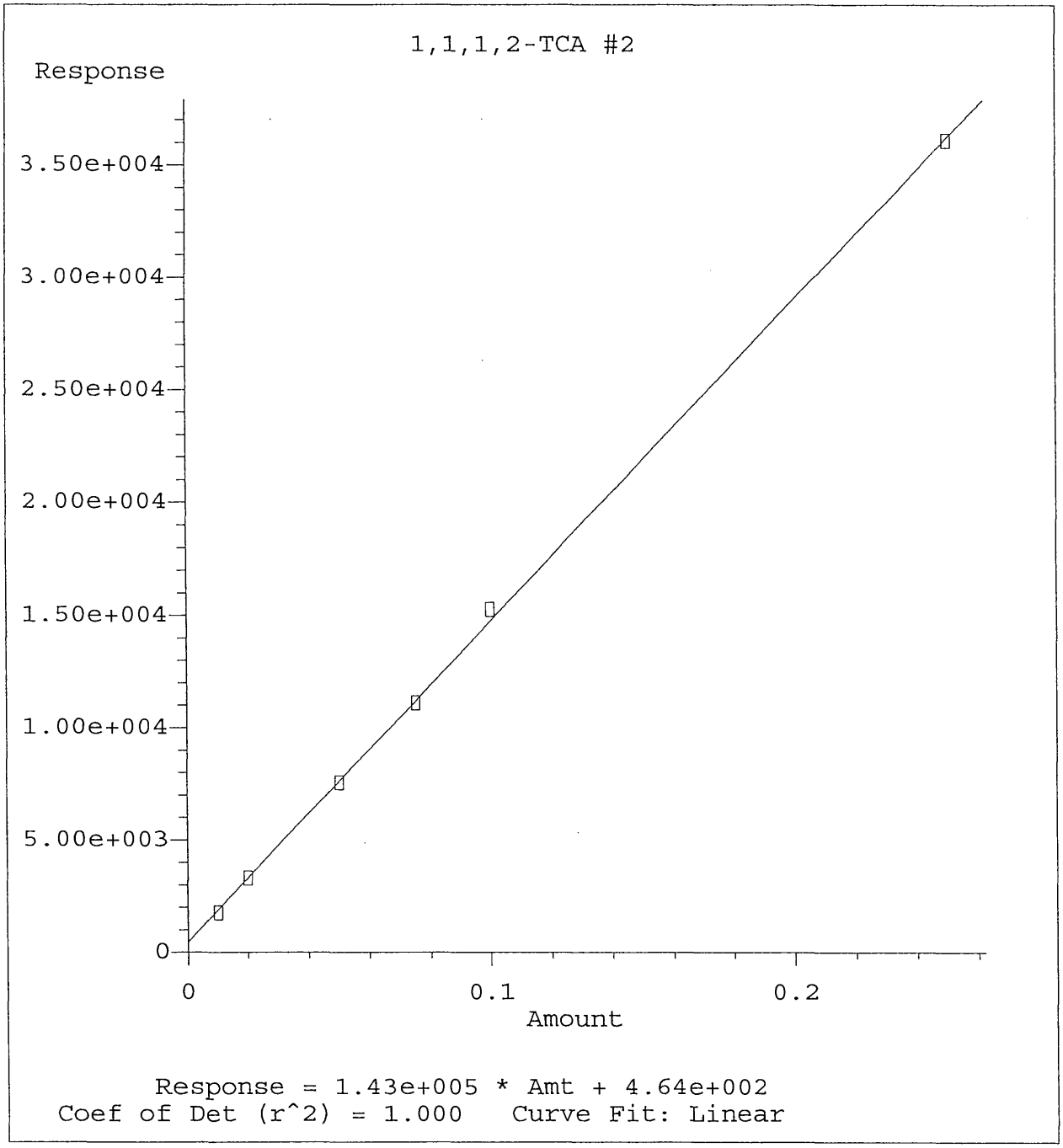
Method Name: D:\HPCHEM\1\METHODS\EDB08190.M
Calibration Table Last Updated: Thu Aug 19 10:20:12 2010



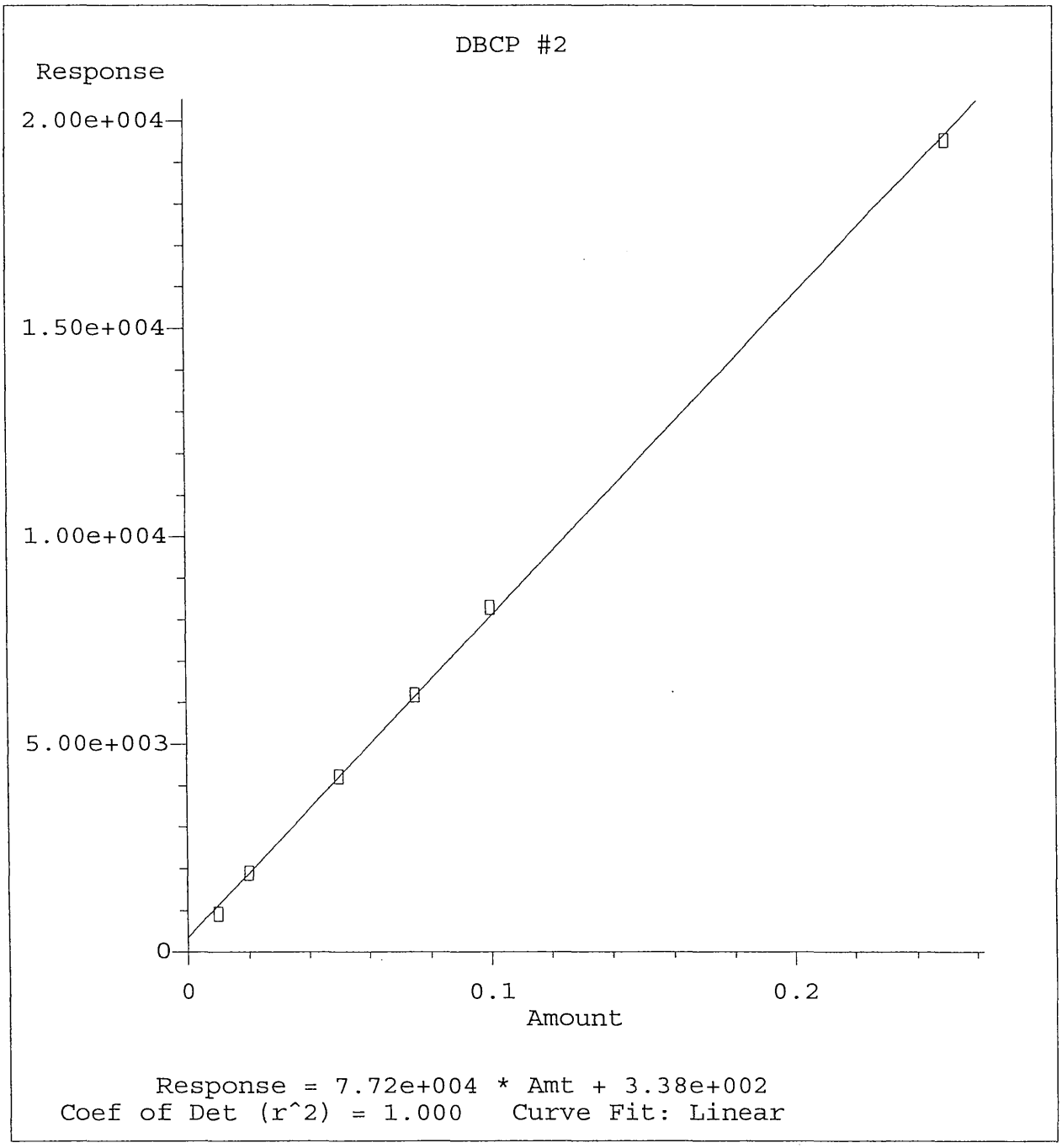
Method Name: D:\HPCHEM\1\METHODS\EDB08190.M
Calibration Table Last Updated: Thu Aug 19 10:20:12 2010



Method Name: D:\HPCHEM\1\METHODS\EDB08190.M
Calibration Table Last Updated: Thu Aug 19 10:20:12 2010



Method Name: D:\HPCHEM\1\METHODS\EDB08190.M
Calibration Table Last Updated: Thu Aug 19 10:20:12 2010



Method Name: D:\HPCHEM\1\METHODS\EDB08190.M
Calibration Table Last Updated: Thu Aug 19 10:20:12 2010

Spike Recovery and RPD Summary Report - WATER

Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Initial Calibration

Non-Spiked Sample: SV12070B.D

	Spike Sample	Spike Duplicate Sample
File ID :	SV12067Q.D	SV12068Q.D
Sample :	LCSaA081910EDB1	LCSDA081910EDB1
Acq Time:	19 Aug 2010 9:28 am	19 Aug 2010 9:43 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
EDB	0.0	0	0	0	113	117	3	20	70-130
DBCP	0.0	0	0	0	117	123	5	20	70-130
EDB #2	0.0	0	0	0	112	115	3	20	70-130
DBCP #2	0.0	0	0	0	107	111	3	20	70-130

- Fails Limit Check

EDB08190.M Thu Aug 19 13:13:51 2010

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12067Q.D\ECD1A.CH Vial: 7
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12067Q.D\ECD2B.CH
Acq On : 19 Aug 2010 9:28 am Operator:
Sample : LCSaA081910EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	12239	13849	0.098	0.094
Spiked Amount 0.100	Range 65 - 135		Recovery =		98.00%	94.00%
Target Compounds						
1) TM EDB	1.91	2.31	7584	8340	0.113	0.112
3) TM DBCP	3.93	4.37	10032	8620	0.117	0.107

✓
087310
JW

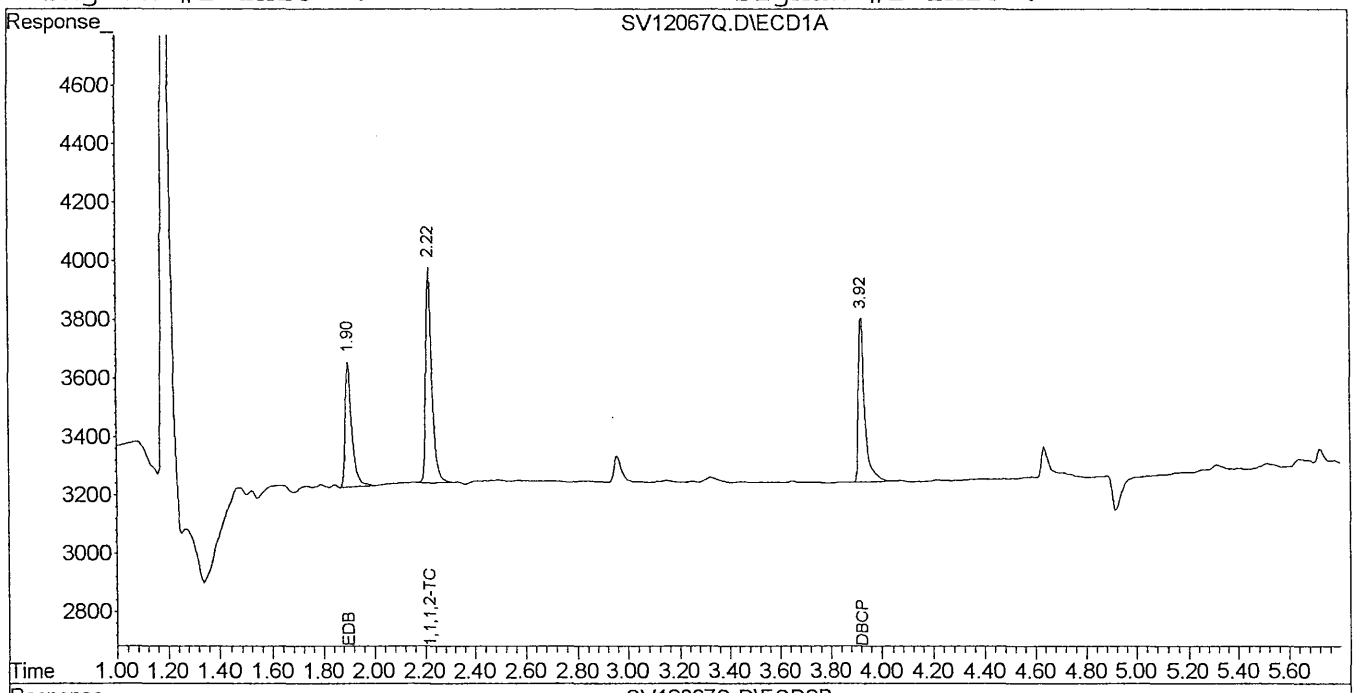
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

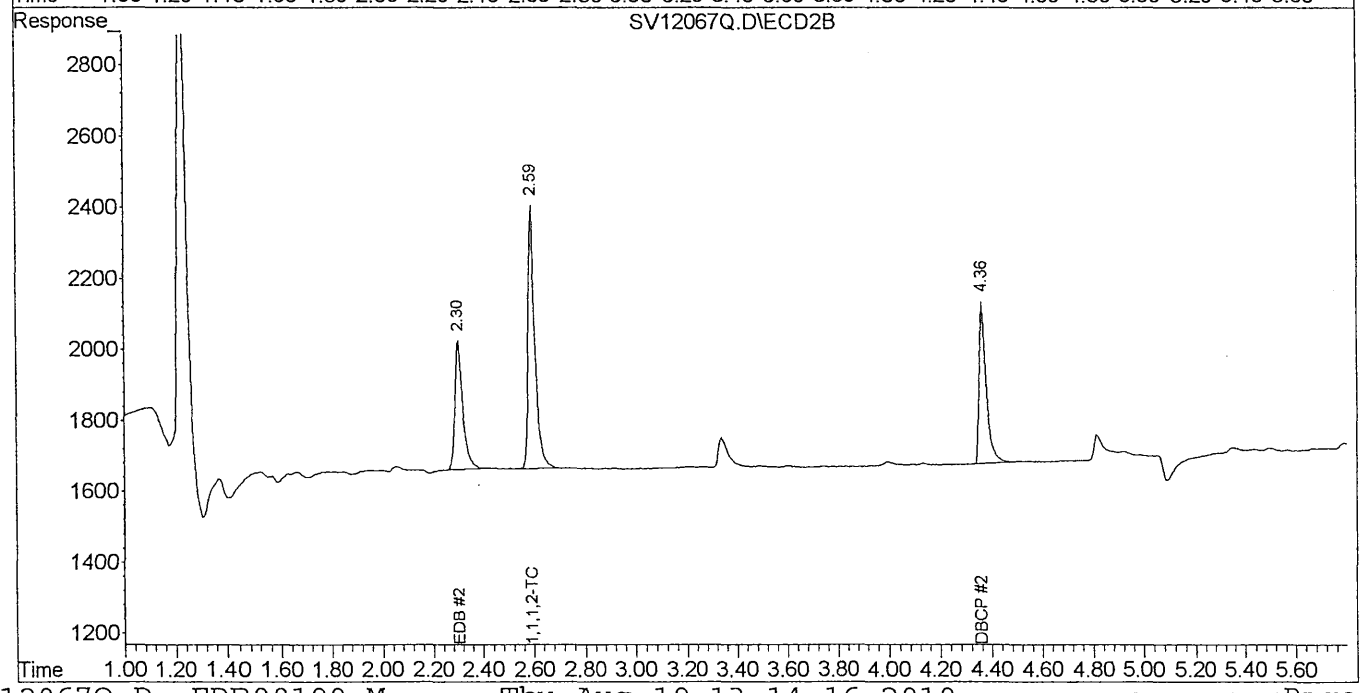
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12067Q.D\ECD1A.CH Vial: 7
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12067Q.D\ECD2B.CH
Acq On : 19 Aug 2010 9:28 am Operator:
Sample : LCSaA081910EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12068Q.D\ECD1A.CH Vial: 8
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12068Q.D\ECD2B.CH
Acq On : 19 Aug 2010 9:43 am Operator:
Sample : LCSDA081910EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	13281	15070	0.107	0.102
Spiked Amount 0.100	Range 65 - 135		Recovery =		107.00%	102.00%
Target Compounds						
1) TM EDB	1.91	2.31	7769	8588	0.117	0.115
3) TM DBCP	3.93	4.36	10511	8896	0.123	0.111

8/20/10

082310

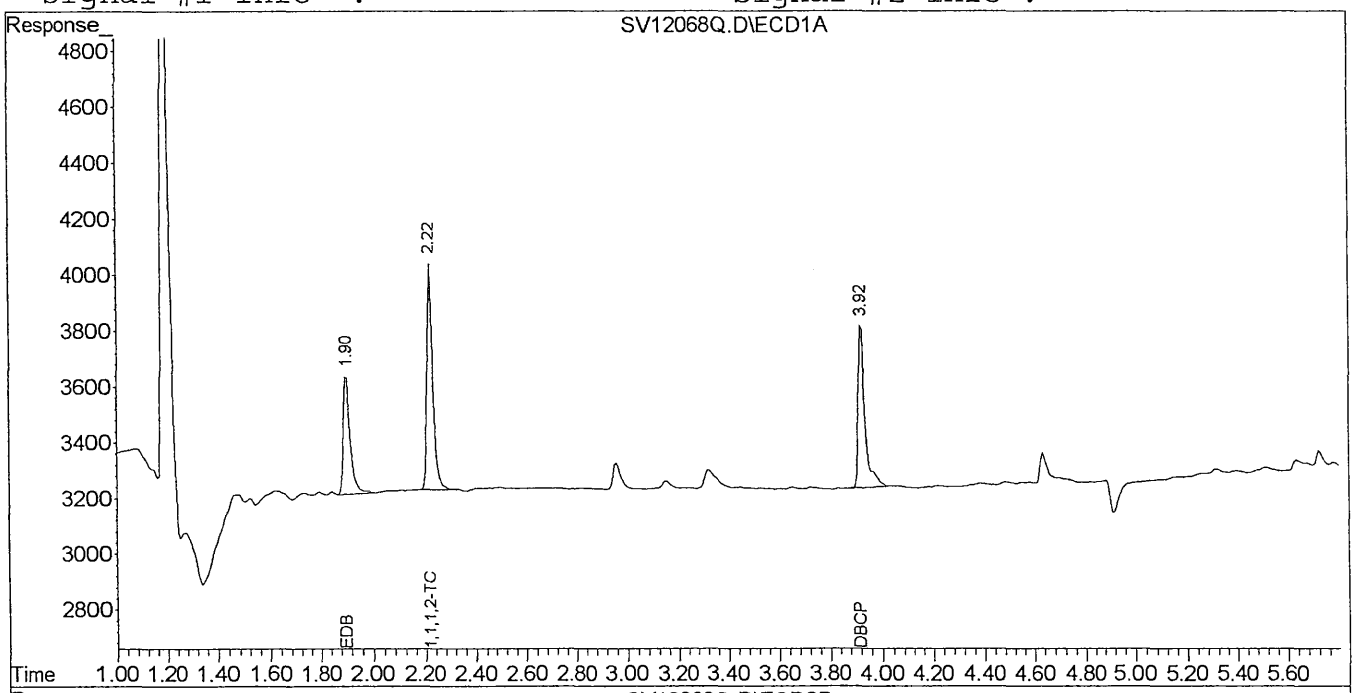
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

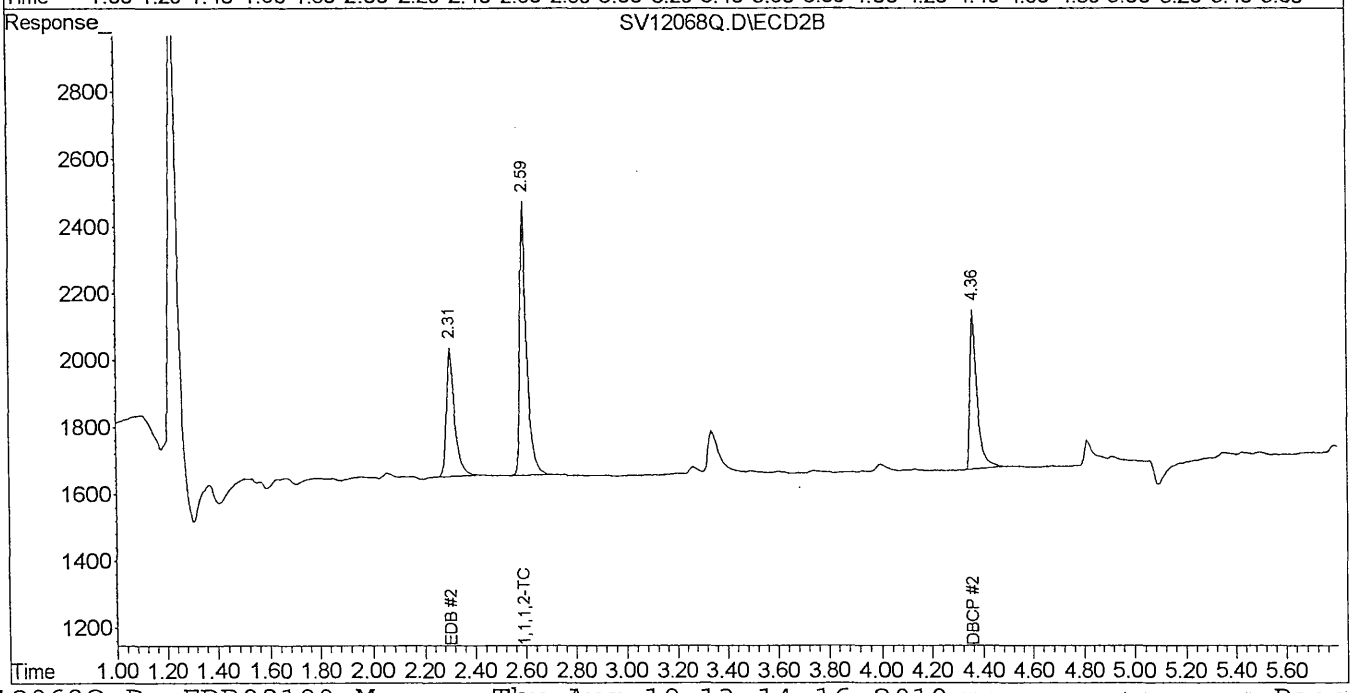
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12068Q.D\ECD1A.CH Vial: 8
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12068Q.D\ECD2B.CH
Acq On : 19 Aug 2010 9:43 am Operator:
Sample : LCSDA081910EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP MDL CHECK REPORT

8/20/10

Sample Name MDLaA081910EDB1
Data File Name SV12069.D
Date Acquired 8/19/2010 9:58

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (60-140%)
1,1,1,2-TCA					0.108	108%	Pass
EDB	1.908	1.907	0.0200	Pass	0.021	105%	Pass
DBCP	3.923	3.923	0.0200	Pass	0.028	140%	Pass
1,1,1,2-TCA #2					0.102	102%	Pass
EDB #2	2.310	2.309	0.0100	Pass	0.022	112%	Pass
DBCP #2	4.365	4.365	0.0100	Pass	0.020	102%	Pass

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082310

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12069.D\ECD1A.CH Vial: 9
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12069.D\ECD2B.CH
Acq On : 19 Aug 2010 9:58 am Operator:
Sample : MDLaA081910EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:12 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

8/20/10

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
2) S	1,1,1,2-TCA	2.22	2.60	13383	15008	0.108	0.102
	Spiked Amount 0.100	Range 65 - 135		Recovery =		108.00%	102.00%
	Target Compounds						
1) TM	EDB	1.91	2.31	2043	1867	0.021	0.022
3) TM	DBCP	3.92	4.36	2867	1913	0.028m	0.020 #

082310

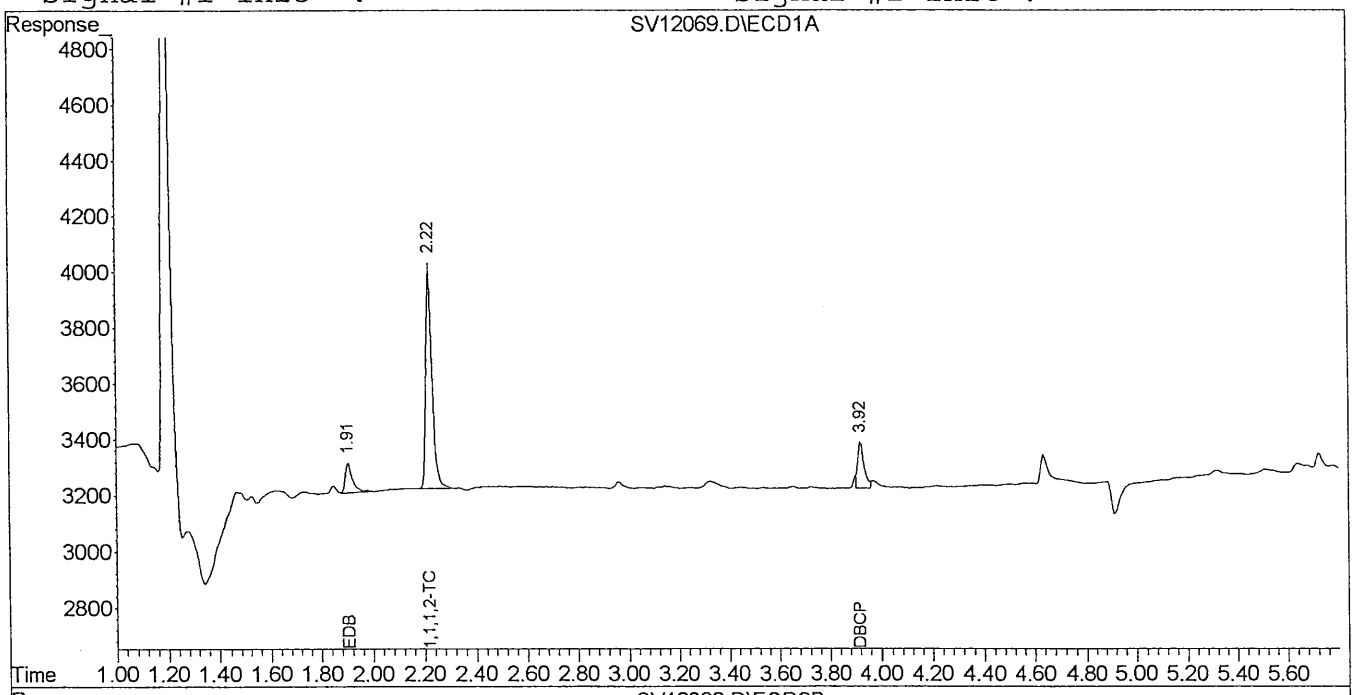
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

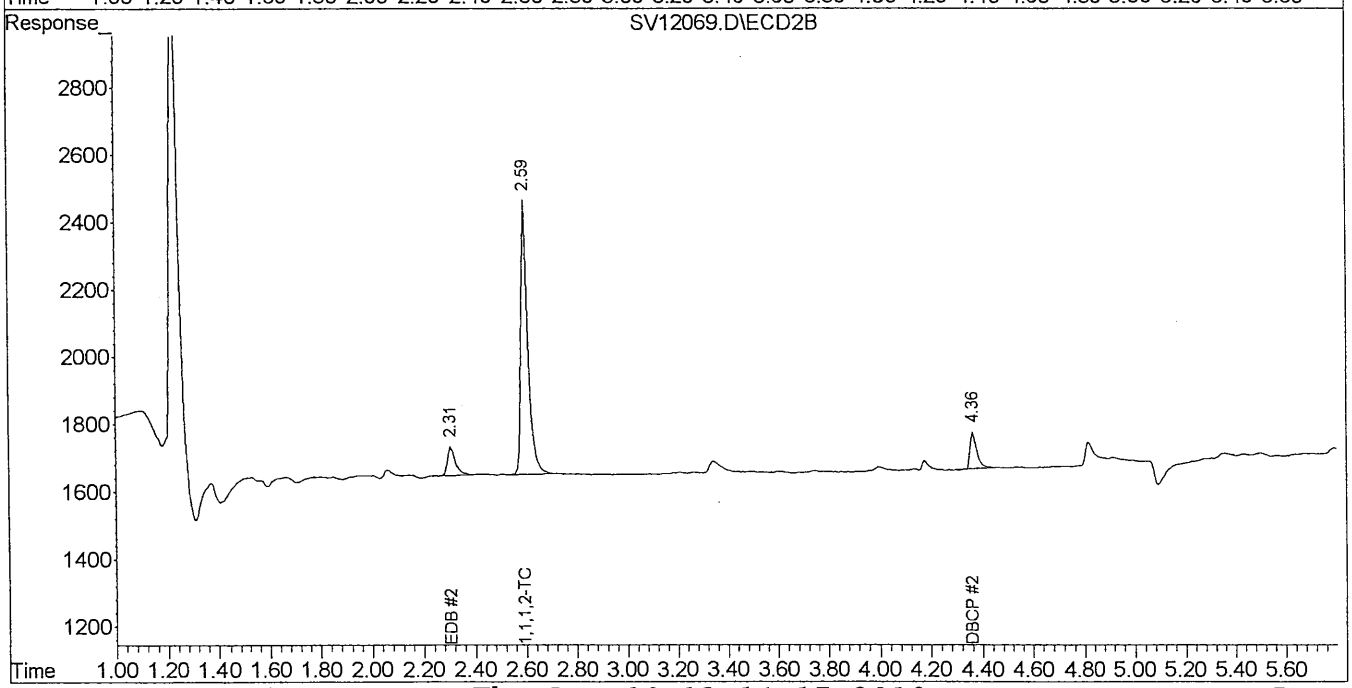
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12069.D\ECD1A.CH Vial: 9
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12069.D\ECD2B.CH
Acq On : 19 Aug 2010 9:58 am Operator:
Sample : MDLaA081910EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:12 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name BLNKA081910EDB1
Data File Name SV12070B.D
Date Acquired 8/19/2010 10:13

Dilution (1:X) 1

8/20/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.110**	**110%**	**Pass**				
EDB	0.0000	1.9070	0.0200	**FAIL**	**-0.013**			0.02			
DBCP	0.0000	3.9230	0.0200	**FAIL**	**-0.008**			0.02			
1,1,1,2-TCA #2					**0.105**	**105%**	**Pass**				
EDB #2	0.0000	2.3095	0.0100	**FAIL**	**-0.003**			0.02			
DBCP #2	0.0000	4.3653	0.0100	**FAIL**	**-0.004**			0.02			

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C:\HPCHEM\CUSTRPT\EDB_SAMPLE.CRT

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12070B.D\ECD1A.CH Vial: 10
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12070B.D\ECD2B.CH
Acq On : 19 Aug 2010 10:13 am Operator:
Sample : BLNKA081910EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	13611	15416	0.110	0.105
Spiked Amount 0.100	Range 65 - 135		Recovery =		110.00%	105.00%
Target Compounds						
1) TM EDB	0.00	0.00	0	0	N.D.	N.D.
3) TM DBCP	3.98	0.00	418	0	N.D.	N.D.

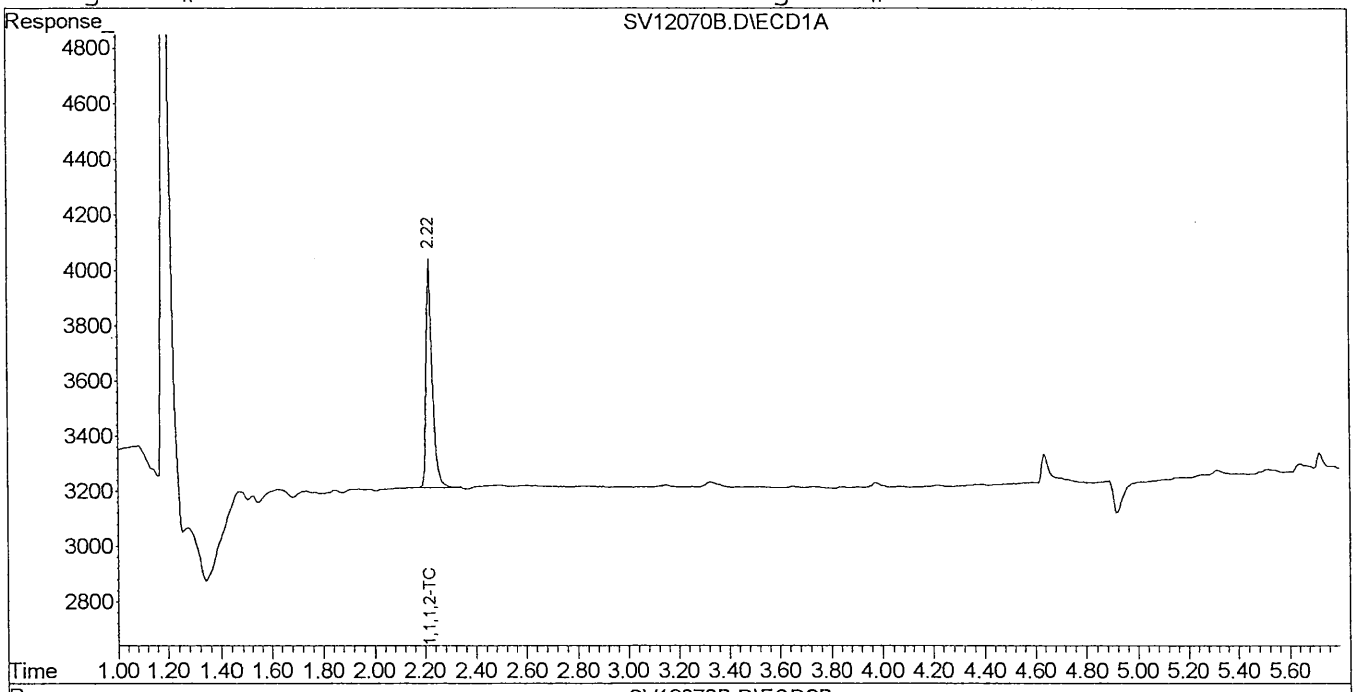
082310

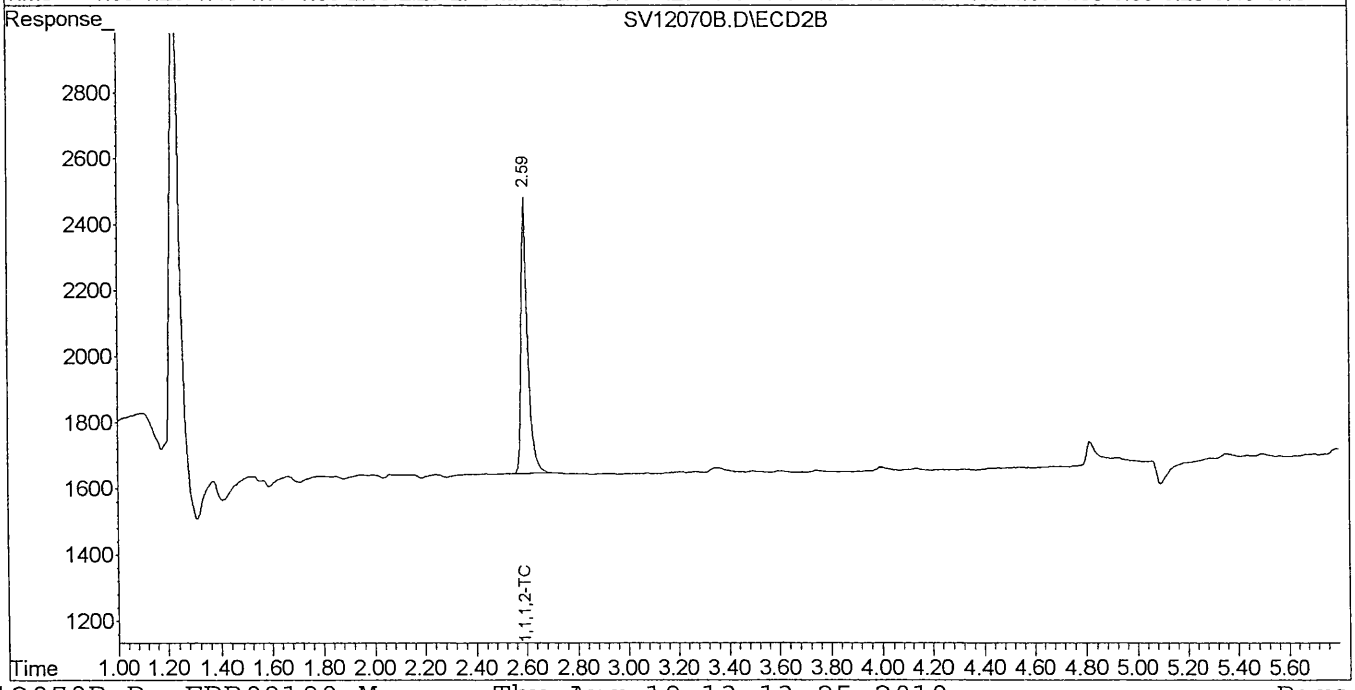
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SV12070B.D EDB08190.M Thu Aug 19 13:13:25 2010 Page 221

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12070B.D\ECD1A.CH Vial: 10
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12070B.D\ECD2B.CH
Acq On : 19 Aug 2010 10:13 am Operator:
Sample : BLNKA081910EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP CV REPORT

8/20/10

Sample Name EDB 0.1 UG/L
Data File Name SV12079.D
Date Acquired 8/19/2010 1:22

CV Amount (ug/L) 0.100

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (70-130%)
1,1,1,2-TCA					0.109	109%	Pass
EDB	1.907	1.907	0.0200	Pass	0.105	105%	Pass
DBCP	3.930	3.923	0.0200	Pass	0.109	109%	Pass
1,1,1,2-TCA #2					0.098	98%	Pass
EDB #2	2.304	2.309	0.0100	Pass	0.099	99%	Pass
DBCP #2	4.364	4.365	0.0100	Pass	0.099	99%	Pass

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Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12079.D\ECD1A.CH Vial: 5
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12079.D\ECD2B.CH
Acq On : 19 Aug 2010 1:22 pm Operator:
Sample : EDB 0.1 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:29 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

8/20/10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.59	13475	14491	0.109	0.098
Spiked Amount 0.100	Range 65 - 135		Recovery =		109.00%	98.00%
Target Compounds						
1) TM EDB	1.91	2.30	7092	7437	0.105	0.099
3) TM DBCP	3.93	4.36	9389	7999	0.109	0.099

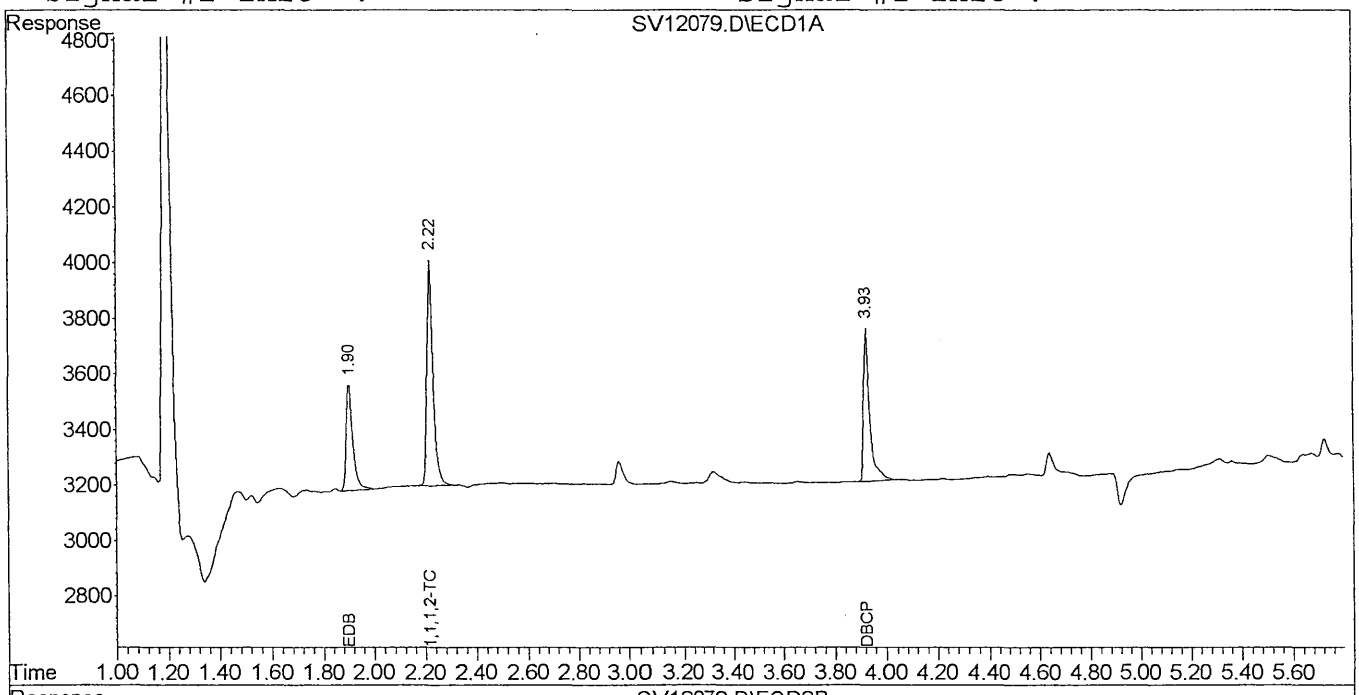
✓
082310

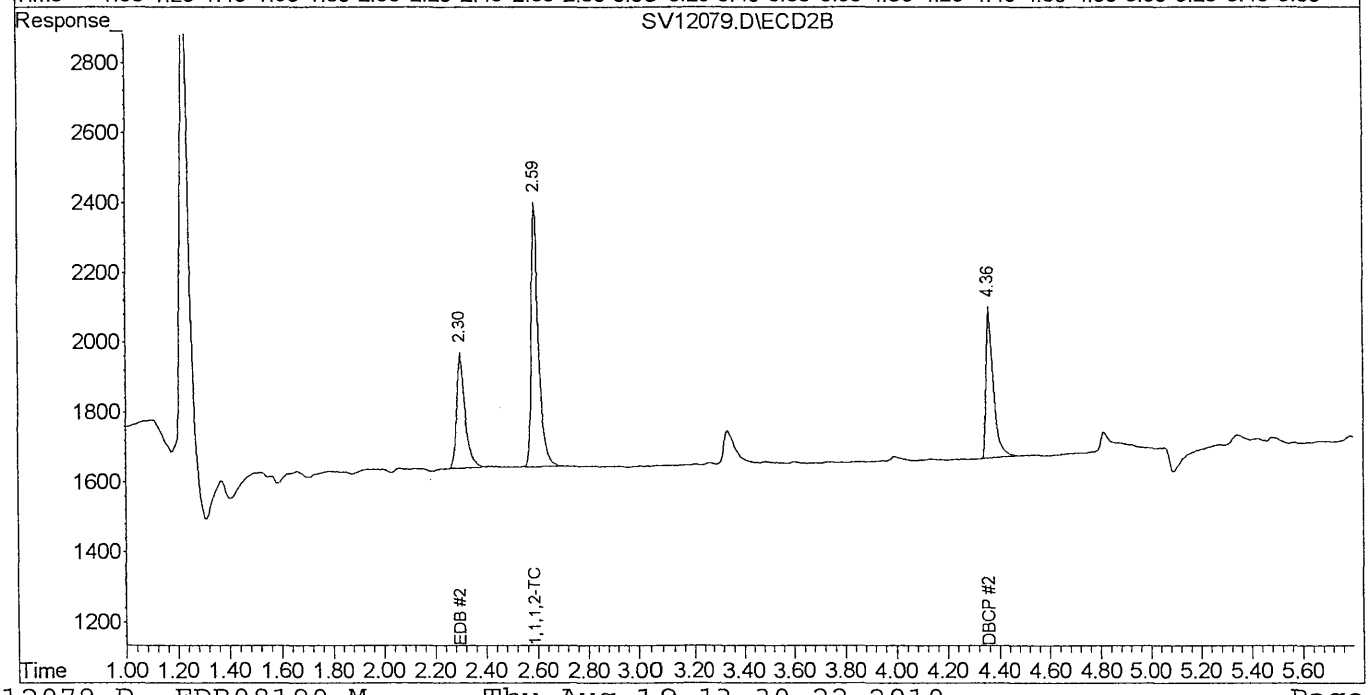
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12079.D\ECD1A.CH Vial: 5
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12079.D\ECD2B.CH
Acq On : 19 Aug 2010 1:22 pm Operator:
Sample : EDB 0.1 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:29 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 91943.07
Data File Name SV12073.D
Date Acquired 8/19/2010 11:06

Dilution (1:X) 1

8/20/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.108**	**108%**	**Pass**				
EDB	1.9269	1.9070	0.0200	Pass	**0.000**			0.02			
DBCP	3.9387	3.9230	0.0200	Pass	**0.002**			0.02			
1,1,1,2-TCA #2					**0.101**	**101%**	**Pass**				
EDB #2	0.0000	2.3095	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	4.4116	4.3653	0.0100	**FAIL**	**0.005**			0.02			

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C:\HPCHEM\CUSTRPT\EDB_SAMPLE.CRT

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12073.D\ECD1A.CH Vial: 13
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12073.D\ECD2B.CH
Acq On : 19 Aug 2010 11:06 am Operator:
Sample : 91943.07 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

8/20/10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	13343	14936	0.108	0.101
Spiked Amount 0.100	Range 65 - 135		Recovery =		108.00%	101.00%
Target Compounds						
1) TM EDB	1.93	0.00	764	0	N.D.	N.D.
3) TM DBCP	3.94	4.41	430	720	N.D.	0.005

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082310

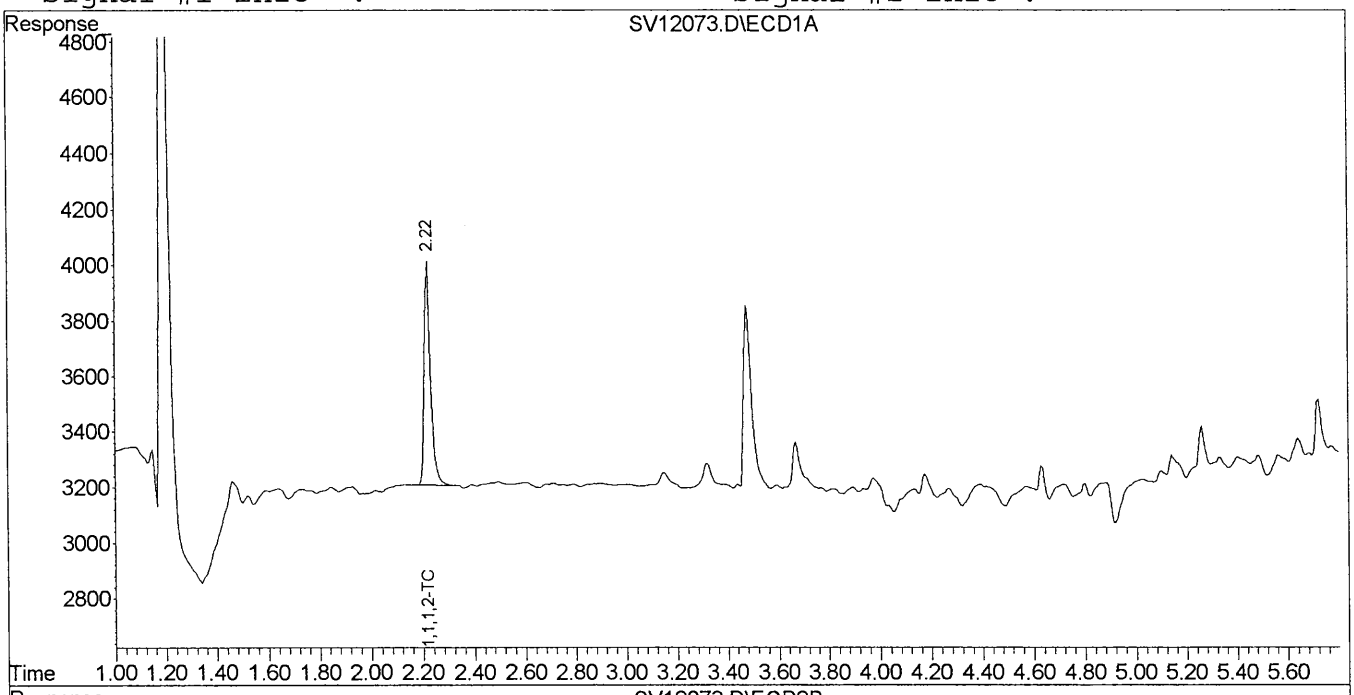
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

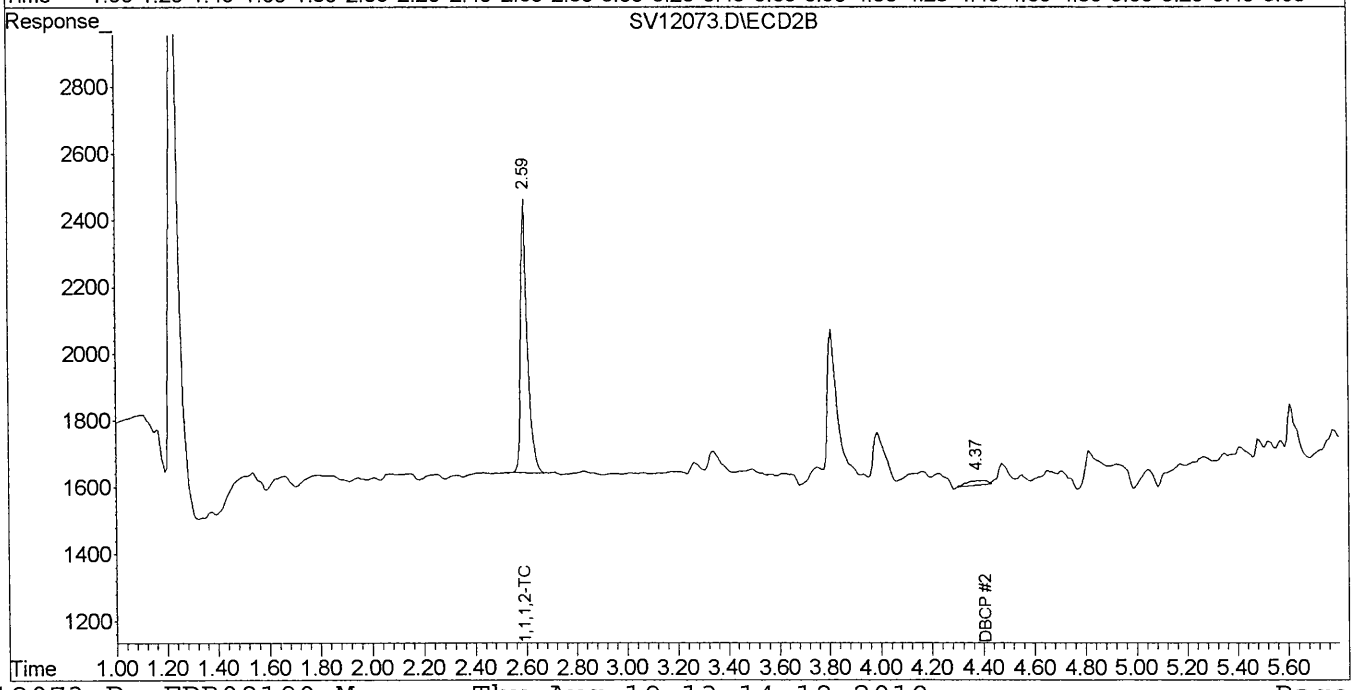
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12073.D\ECD1A.CH Vial: 13
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12073.D\ECD2B.CH
Acq On : 19 Aug 2010 11:06 am Operator:
Sample : 91943.07 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 91943.09
Data File Name SV12074.D
Date Acquired 8/19/2010 11:21

Dilution (1:X) 1

8/20/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.112**	**112%**	**Pass**				
EDB	1.9366	1.9070	0.0200	**FAIL**	**-0.002**			0.02			
DBCP	3.9750	3.9230	0.0200	**FAIL**	**0.017**			0.02			
1,1,1,2-TCA #2					**0.104**	**104%**	**Pass**				
EDB #2	0.0000	2.3095	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3653	0.0100	**FAIL**	**0.000**			0.02			

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Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12074.D\ECD1A.CH Vial: 14
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12074.D\ECD2B.CH
Acq On : 19 Aug 2010 11:21 am Operator:
Sample : 91943.09 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

8/20/10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
2) S 1,1,1,2-TCA	2.22	2.59	13849	15398	0.112	0.104	
Spiked Amount 0.100	Range 65 - 135			Recovery =	112.00%	104.00%	
Target Compounds							
1) TM EDB	1.94	0.00	699	0	N.D.	N.D.	
3) TM DBCP	3.97	0.00	1984	0	0.017	N.D.	#

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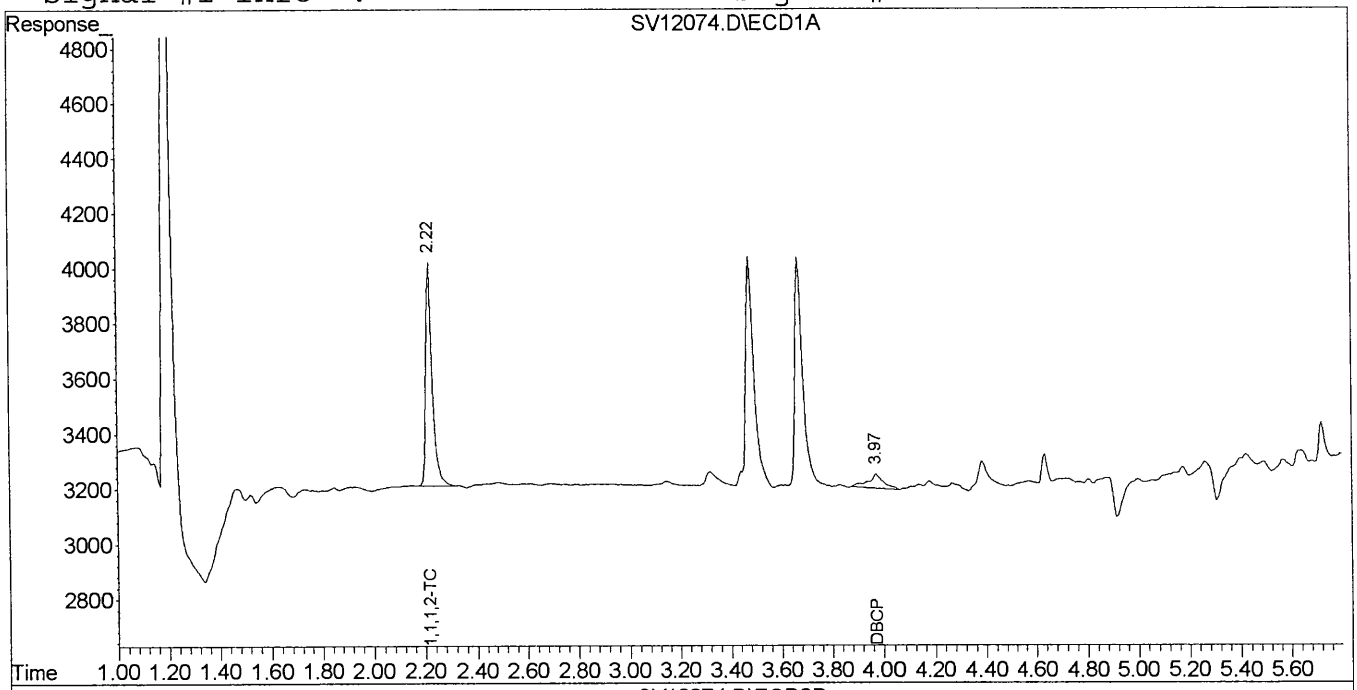
08230

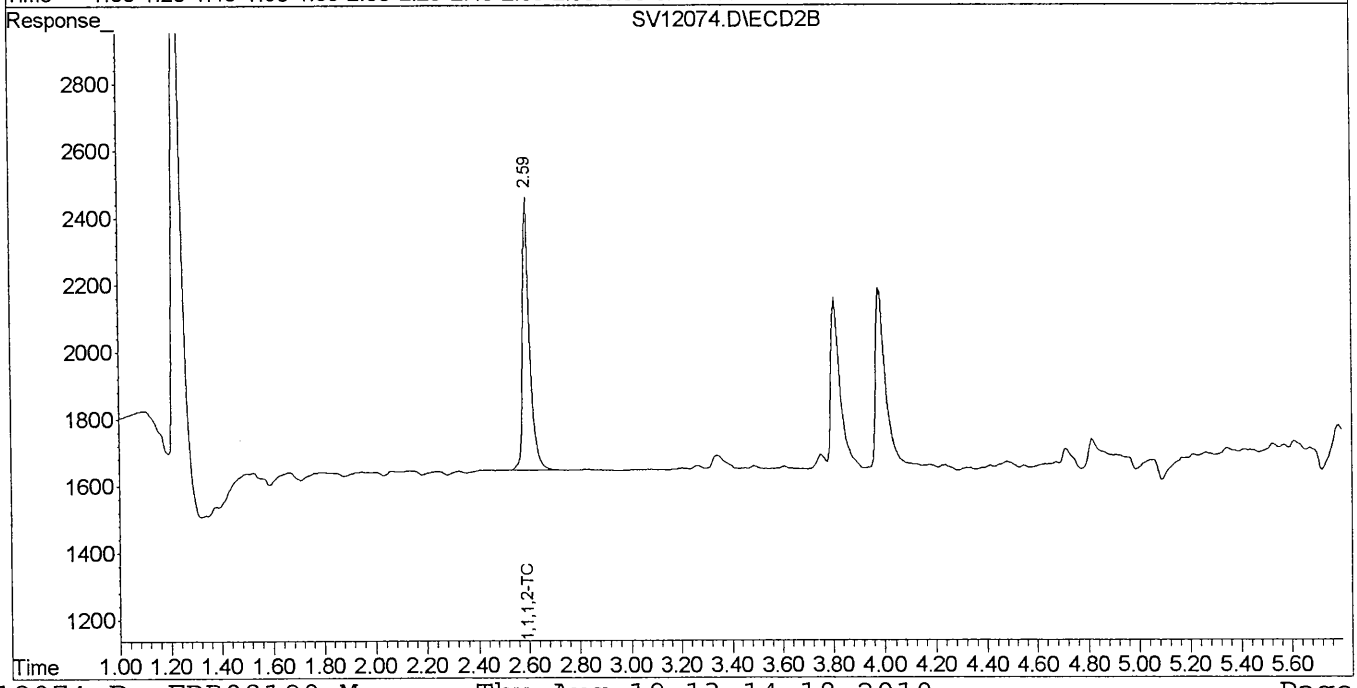
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12074.D\ECD1A.CH Vial: 14
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12074.D\ECD2B.CH
Acq On : 19 Aug 2010 11:21 am Operator:
Sample : 91943.09 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Wet Chemistry

Support Data

AMMONIA PROBE NOTEBOOK

EPA Method 350.3/Std Meth 4500NH3D

Page 6

Cal Std Lot#:	CS0513800.5665	Param # = 13800	
LCS / Spike:	19146	**Date:**	8/26/2010
Reagent #:	R0113800.5783	**Analyst:**	SEL
		Time:	9:30 AM

CALIBRATION:	**conc mg/L**	**Reading**	**units**	**% Rec.**
Cal std =	**1**	**91.5**	mV	
Cal std =	**10**	**33.0**	mV	
Cal Check	0.05	.0544	mg/L	108.9
Cal Check	5	4.680	mg/L	93.6
Cal Check	25	22.6	mg/L	90.3

Probe Calibration	
Temp:	22.0
Eff:	99.2000
Slope:	-58.500

Matrix	BatNum	Sample ID	Notes	Vol(ml) analyz	Wt (g)	Free Cl	Reading mg/L	Dil Fact /100mL	Final Conc mg/L	% Solid decimal	Conc mg/kg	QA/QC Values	% Rec.	% RPD
		blank		100			0.01861	1	0.02		#DIV/0!			
		QC 2.0 mg/L		100			1.968	1	1.97		#DIV/0!	2	98.4	
		QC 2.0 mg/L		100			1.872	1	1.87		#DIV/0!	2	93.6	
	91994.01			100			0.27	1	0.27		#DIV/0!			
	91994.02			100			0.1861	1	0.19		#DIV/0!			
	91994.04			100			0.1639	1	0.16		#DIV/0!			
	92026.01			100			0.05551	1	0.06		#DIV/0!			
	92027.01			100			0.04646	1	0.05		#DIV/0!			
	92036.02			100			0.07833	1	0.08		#DIV/0!			
	92045.01			98			0.1539	1.02041	0.16		#DIV/0!			
	92048.01			100			0.05097	1	0.05		#DIV/0!			
	92101.01	Sam		100			0.1216	1	0.12		#DIV/0!			
	92101.01	Dup		100			0.1344	1	0.13		#DIV/0!			10.0
	92101.01	MS		100			1.807	1	1.81		#DIV/0!	2	84.3	
	92101.01	MSD		100			1.897	1	1.90		#DIV/0!	2	88.8	5.2
	92101.02			100			0.111	1	0.11		#DIV/0!			
	91915.01			100			3.303	1	3.30		#DIV/0!			
	91915.02			100			11.76	1	11.76		#DIV/0!			
	91918.01			100			10.22	1	10.22		#DIV/0!			
	91943.1			100			21.71	1	21.71		#DIV/0!			
	92069.01			50			12.77	2	25.54		#DIV/0!			
	92069.02			100			4.892	1	4.89		#DIV/0!			
	92070.01			100			0.07046	1	0.07		#DIV/0!			
	92078.02			100			0.1207	1	0.12		#DIV/0!			
	91943.09	Sam		100			21.84	1	21.84		#DIV/0!			
	91943.09	Dup		100			21.08	1	21.08		#DIV/0!			3.5
	91943.09	MS		100			24	1	24.00		#DIV/0!	2	108.0	
	91943.09	MSD		100			23.89	1	23.89		#DIV/0!	2	102.5	5.2

Comments:

QC:

Cal ck:

Dup:

MS/MSD:

QC check:

COPY

COD RUNLOG Units = mg/L LIG# 15400

Date: 8.20.10 11:00

*Calib Date/Time: _____

*Calib Lot#: _____ HACH method 8000 ☒

*Calib. Analyst: _____ EPA Method 410.4 ☐

Analyst: LD

Vial Lot#: 20423 A0180

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	Out	Abs @ ☒ 420nm ☐ 600nm	Spec Pos	Comments
1	BLK	2	2hr timer		0.732		und und = 0.734
2	LCS	2			0.415		
3	LCSD	2			0.411		und und
4	50 CCV	2			0.574		
5	100 CCV	2			0.415		und und
6	91753.15	0.5			0.604		
7	.23	2			0.473		
8	.24	0.1			0.612		
9	.29	2			0.639		
10	91753.31	2			0.690		
11	91753.15	1			0.459		
12	91886.01	0.5			0.428		
13	91941.01	0.1			0.341		
14	91943.09	2			0.550		
15	91943.10	2			0.569		
16	91980.01	0.5			0.247		
17	91980.02	2			0.648		
18	92005.01	2			0.721		
19	.02	2			0.712		
20	.03	2			0.728		
21	.04	1.9			0.729		
22	.04 ms	1.9			0.575		
23	92005.04 msd	1.9			0.569		
24							
25							
26							
27							
28							
29							
30							
31							
32							

91943

COPY

			COD, LOW LEVEL NOTEBOOK							Page	3
HACH Vial Lot #:		A0180	HACH 8000, EPA 410.4, SM 5220D						Dig. Date:	8/20/2010	
Stock Lot#:		CS0115400.5539			Param #1540				Spec. Date:	8/20/2010	
QC Stock Lot#:		QC0215400.5538							Analyst:	LO	
Date of Calib:		08/16/10							Time:	11:00	
Analyst:		LO									
	LINEAR REGRESSION, CORRELATION COEFFICIENT										
	PPM		0	10	50	100	200				
	Respons		0.729	0.683	0.551	0.407	0.11		← Enter calibration data here		
	Conc.		0	10	50	100	200			if new calib	
	X * Y		0	6.83	27.55	40.7	22				
	X^2		0	100	2500	10000	40000				
	Y^2		0.53144	0.46649	0.3036	0.16565	0.0121				
							Slope		-0.00305397		
N	5	Sum (Y)	2.48	Sum(X^2	52600		Y int.		0.715886057		
Sum (X)	360	Sum (X * Y)	97.08	Sum(Y^2	1.47928		Cor.		-0.99927285		
		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	0.732	-5.276	1	-5.276			
		QC 100 ppm	2	2	0.415	98.523	1	98.523	100	98.5	
		Ck Std 50 ppm	2	2	0.574	46.459	1	46.459	50	92.9	
		Ck Std 100 ppm	2	2	0.415	98.523	1	98.523	100	98.5	
		QC 100 ppm LCSD	2	2	0.411	99.833	1	99.833	100	99.8	
		91753.15	0.5	2	0.604	36.636	4	146.545			
		91753.23	2	2	0.473	79.531	1	79.531			
		91753.24	0.1	2	0.612	34.017	20	680.334			
		91753.29	2	2	0.639	25.176	1	25.176			
		91753.31	2	2	0.69	8.476	1	8.476			
		91753.15	1	2	0.459	84.115	2	168.231			
		91886.01	0.5	2	0.428	94.266	4	377.064			
		91941.01	0.1	2	0.341	122.754	20	2455.071			
		91943.09	2	2	0.55	54.318	1	54.318			
		92005.04	1.9	2	0.729	-4.294	1.05263	-4.520			
		92005.04 ms	1.9	2	0.575	46.132	1.05263	48.560	50	100.9	
		92005.04 msd	1.9	2	0.569	48.097	1.05263	50.628	50	104.8	4.2
		91943.1	2	2	0.569	48.097	1	48.097			
		91980.01	0.5	2	0.247	153.533	4	614.133			
		91980.02	2	2	0.648	22.229	1	22.229			
		92005.01	2	2	0.721	-1.675	1	-1.675			
		92005.02	2	2	0.712	1.272	1	1.272			
		92005.03			0.728	-3.967	#DIV/0!	#DIV/0!			
						234.411	#DIV/0!	#DIV/0!			
						234.411	#DIV/0!	#DIV/0!			
						234.411	#DIV/0!	#DIV/0!			
		sample				234.411	#DIV/0!	#DIV/0!			
		MS				234.411	#DIV/0!	#DIV/0!	50	0.0	
		MSD				234.411	#DIV/0!	#DIV/0!	50	0.0	0.0
Comments:											
	General:	91943									
	Dilution:										
	QC:	80-115%R									
	Cal ck:	90-110%R									
	Dup/Spk:	MS 80-120%R; RPD </=20									
	QC Check:										

Metals

Summary Tables

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Blank Summary
EAI SDG 91943
Total Metals

Sample ID:	QC Std 1	Sample ID:	QC Std 1
Sample Date/Time:	Thursday, August 19, 2010 13:44:01	Sample Date/Time:	Thursday, August 19, 2010 15:59:14
Sample Description:	CCB	Sample Description:	CCB

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	99.353
Hg	< 0.1	ug/L	
Ho		ug/L	102.041
In		ug/L	99.308
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	100.14
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Concentration Results			Int Std
Analyte	RL	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	96.247
Hg	< 0.1	ug/L	
Ho		ug/L	100.385
In		ug/L	96.349
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	94.945
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	89.683
Hg	< 0.1	ug/L	
Ho		ug/L	94.567
In		ug/L	91.412
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	91.931
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

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Blank Summary
EAI SDG 91943
Total Metals

Sample ID:	QC Std 1	Sample ID:	QC Std 1
Sample Date/Time:	Thursday, August 19, 2010 19:05:50	Sample Date/Time:	Thursday, August 19, 2010 20:39:40
Sample Description:	CCB	Sample Description:	CCB

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	91.345
Hg	< 0.1	ug/L	
Ho		ug/L	94.585
In		ug/L	91.451
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	91.551
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	89.913
Hg	< 0.1	ug/L	
Ho		ug/L	91.962
In		ug/L	91.565
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	92.301
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Sample ID:	QC Std 1		
Sample Date/Time:	Friday, August 20, 2010 09:41:13		
Sample Description:	CCB		

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	91.55
Hg	< 0.1	ug/L	
Ho		ug/L	90.758
In		ug/L	91.015
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	94.361
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

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Blank Summary
EAI SDG 91943
Total Metals

Sample ID: QC Std 1
Sample Date/Time: Friday, August 20, 2010 11:58:19
Sample Description: CCB

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	89.594
Hg	< 0.1	ug/L	
Ho		ug/L	90.899
In		ug/L	89.982
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	91.521
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

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Calibration Verification (CV) Summary
EAI SDG 91943
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 19, 2010 13:51:03
Sample Description: CV-Trace Metals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	101.805005	ug/L	102.63	
As	100	104.62065	ug/L	105.15	
Ba	100	100.932944	ug/L	101.54	
Be	100	99.459238	ug/L	100.16	
Ca	100	103.873703	ug/L	104.29	
Cd	100	100.652131	ug/L	100.96	
Co	100	99.157212	ug/L	99.86	
Cr	100	99.928945	ug/L	100.23	
Cu	100	100.31007	ug/L	101.02	
Fe	100	105.796426	ug/L	106.12	
Ge			ug/L		99.75
Hg	1	0.979452	ug/L	97.95	
Ho			ug/L		101.17
In			ug/L		98.95
K	1000	962.186063	ug/L	96.22	
Mg	100	101.219496	ug/L	101.02	
Mn	100	97.727976	ug/L	98.52	
Na	100	100.760458	ug/L	101.27	
Ni	100	100.311852	ug/L	101.22	
Pb	100	101.215687	ug/L	101.22	
Sb	100	97.907479	ug/L	98.50	
Sc			ug/L		100.71
Se	100	101.015815	ug/L	101.73	
Tl	100	99.952858	ug/L	100.86	
V	100	99.223932	ug/L	99.62	
Zn	100	99.703136	ug/L	100.10	

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 19, 2010 16:06:16
Sample Description: CV-Trace Metals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	101.100081	ug/L	101.92	
As	100	103.122334	ug/L	103.64	
Ba	100	99.554243	ug/L	100.16	
Be	100	101.788279	ug/L	102.51	
Ca	100	106.916815	ug/L	107.35	
Cd	100	101.250646	ug/L	101.56	
Co	100	98.501036	ug/L	99.20	
Cr	100	99.65222	ug/L	99.95	
Cu	100	100.851316	ug/L	101.56	
Fe	100	102.782927	ug/L	103.09	
Ge			ug/L		95.42
Hg	1	0.98073	ug/L	98.07	
Ho			ug/L		99.96
In			ug/L		96.14
K	1000	954.4498	ug/L	95.45	
Mg	100	99.807452	ug/L	99.61	
Mn	100	97.095691	ug/L	97.88	
Na	100	97.517441	ug/L	98.01	
Ni	100	100.648327	ug/L	101.56	
Pb	100	101.881123	ug/L	101.88	
Sb	100	98.128329	ug/L	98.72	
Sc			ug/L		96.24
Se	100	101.49701	ug/L	102.21	
Tl	100	101.167248	ug/L	102.09	
V	100	98.057117	ug/L	98.45	
Zn	100	99.794136	ug/L	100.20	

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 19, 2010 14:05:07
Sample Description: CV-Ag

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	43.512713	ug/L	103.11	
Ge			ug/L		101.97
Ho			ug/L		101.66
In			ug/L		100.55
Sc			ug/L		100.35

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 19, 2010 16:13:20
Sample Description: CV-Ag

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	42.352212	ug/L	100.36	
Ge			ug/L		96.81
Ho			ug/L		99.03
In			ug/L		96.65
Sc			ug/L		96.29

Sample ID: QC Std 6
Sample Date/Time: Thursday, August 19, 2010 14:12:11
Sample Description: CCV-Minerals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	9672.9995	ug/L	96.73	
Ca	1000	9585.87804	ug/L	95.86	
Fe	1000	9599.69922	ug/L	96.00	
Ge			ug/L		101.35
Ho			ug/L		99.95
In			ug/L		96.28
K	1000	9690.94586	ug/L	96.91	
Mg	1000	9551.3608	ug/L	95.51	
Na	1000	9666.00008	ug/L	96.66	
P	1000	9593.56059	ug/L	95.94	
Sc			ug/L		100.48

Sample ID: QC Std 6
Sample Date/Time: Thursday, August 19, 2010 16:20:24
Sample Description: CCV-Minerals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	9721.08316	ug/L	97.21	
Ca	1000	9780.66868	ug/L	97.81	
Fe	1000	9844.51475	ug/L	98.45	
Ge			ug/L		94.96
Ho			ug/L		98.12
In			ug/L		94.07
K	1000	9633.91531	ug/L	96.34	
Mg	1000	9637.36672	ug/L	96.37	
Na	1000	9740.88131	ug/L	97.41	
P	1000	9744.48604	ug/L	97.45	
Sc			ug/L		94.36

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Calibration Verification (CV) Summary
EAI SDG 91943
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 19, 2010 17:39:30
Sample Description: CV-Trace Metals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	106.712776	ug/L	107.57	
As	100	104.882241	ug/L	105.41	
Ba	100	99.41525	ug/L	100.02	
Be	100	100.533432	ug/L	101.24	
Ca	100	107.461014	ug/L	107.89	
Cd	100	100.085901	ug/L	100.39	
Co	100	99.293499	ug/L	99.99	
Cr	100	98.262593	ug/L	98.56	
Cu	100	99.556835	ug/L	100.26	
Fe	100	104.976035	ug/L	105.29	
Ge			ug/L		89.72
Hg	1	0.968158	ug/L	96.82	
Ho			ug/L		94.62
In			ug/L		92.25
K	1000	985.632729	ug/L	98.56	
Mg	100	108.005994	ug/L	107.79	
Mn	100	98.017434	ug/L	98.81	
Na	100	110.567206	ug/L	111.12	
Ni	100	100.198224	ug/L	101.11	
Pb	100	99.002703	ug/L	99.00	
Sb	100	97.316547	ug/L	97.90	
Sc			ug/L		91.29
Se	100	103.297718	ug/L	104.03	
Tl	100	97.056514	ug/L	97.94	
V	100	97.970524	ug/L	98.36	
Zn	100	98.542407	ug/L	98.94	

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 19, 2010 19:12:52
Sample Description: CV-Trace Metals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	105.376246	ug/L	106.23	
As	100	103.856107	ug/L	104.38	
Ba	100	100.492816	ug/L	101.10	
Be	100	98.463951	ug/L	99.16	
Ca	100	104.53873	ug/L	104.96	
Cd	100	99.388755	ug/L	99.69	
Co	100	99.813699	ug/L	100.52	
Cr	100	99.266183	ug/L	99.57	
Cu	100	100.687826	ug/L	101.40	
Fe	100	106.201438	ug/L	106.52	
Ge			ug/L		91.76
Hg	1	0.970825	ug/L	97.08	
Ho			ug/L		95.20
In			ug/L		92.71
K	1000	974.004531	ug/L	97.40	
Mg	100	108.202723	ug/L	107.99	
Mn	100	99.317473	ug/L	100.12	
Na	100	111.196141	ug/L	111.76	
Ni	100	101.403838	ug/L	102.33	
Pb	100	98.396089	ug/L	98.40	
Sb	100	97.424037	ug/L	98.01	
Sc			ug/L		92.00
Se	100	101.345136	ug/L	102.06	
Tl	100	98.080899	ug/L	98.97	
V	100	98.621433	ug/L	99.02	
Zn	100	99.051033	ug/L	99.45	

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 19, 2010 17:46:33
Sample Description: CV-Ag

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	43.763249	ug/L	103.70	
Ge			ug/L		90.88
Ho			ug/L		93.85
In			ug/L		91.85
Sc			ug/L		93.30

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 19, 2010 19:19:55
Sample Description: CV-Ag

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	43.836586	ug/L	103.88	
Ge			ug/L		92.14
Ho			ug/L		93.65
In			ug/L		91.81
Sc			ug/L		92.76

Sample ID: QC Std 6
Sample Date/Time: Thursday, August 19, 2010 17:53:37
Sample Description: CCV-Minerals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	9949.53822	ug/L	99.50	
Ca	1000	9771.59183	ug/L	97.72	
Fe	1000	9701.54185	ug/L	97.02	
Ge			ug/L		89.68
Ho			ug/L		94.56
In			ug/L		90.38
K	1000	9750.33124	ug/L	97.50	
Mg	1000	9978.66411	ug/L	99.79	
Na	1000	10044.846	ug/L	100.45	
P	1000	9853.79153	ug/L	98.54	
Sc			ug/L		91.12

Sample ID: QC Std 6
Sample Date/Time: Thursday, August 19, 2010 19:26:59
Sample Description: CCV-Minerals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	9925.01585	ug/L	99.25	
Ca	1000	9824.75586	ug/L	98.25	
Fe	1000	9705.47305	ug/L	97.06	
Ge			ug/L		91.64
Ho			ug/L		93.45
In			ug/L		90.86
K	1000	9806.45378	ug/L	98.07	
Mg	1000	9877.93607	ug/L	98.78	
Na	1000	10085.7369	ug/L	100.86	
P	1000	9768.98062	ug/L	97.69	
Sc			ug/L		91.96

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Calibration Verification (CV) Summary
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Total Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, August 19, 2010 20:46:42
Sample Description: CV-Trace Metals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	103.542084	ug/L	104.38	
As	100	104.288922	ug/L	104.81	
Ba	100	99.828955	ug/L	100.43	
Be	100	97.302363	ug/L	97.99	
Ca	100	103.679729	ug/L	104.10	
Cd	100	98.649923	ug/L	98.95	
Co	100	96.895977	ug/L	97.58	
Cr	100	96.965824	ug/L	97.26	
Cu	100	97.379265	ug/L	98.07	
Fe	100	99.338999	ug/L	99.64	
Ge			ug/L		89.56
Hg	1	0.978163	ug/L	97.82	
Ho			ug/L		92.88
In			ug/L		91.51
K	1000	971.548487	ug/L	97.16	
Mg	100	104.146243	ug/L	103.94	
Mn	100	96.479089	ug/L	97.26	
Na	100	105.181457	ug/L	105.71	
Ni	100	98.131062	ug/L	99.02	
Pb	100	101.357713	ug/L	101.36	
Sb	100	96.123011	ug/L	96.70	
Sc			ug/L		92.88
Se	100	103.531612	ug/L	104.26	
Tl	100	101.003944	ug/L	101.92	
V	100	96.99527	ug/L	97.39	
Zn	100	95.925472	ug/L	96.31	

Sample ID: QC Std 2
Sample Date/Time: Friday, August 20, 2010 09:48:15
Sample Description: CV-Trace Metals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	103.577399	ug/L	104.41	
As	100	101.902056	ug/L	102.41	
Ba	100	98.796121	ug/L	99.39	
Be	100	96.644398	ug/L	97.33	
Ca	100	113.294142	ug/L	113.75	
Cd	100	97.527726	ug/L	97.82	
Co	100	94.371434	ug/L	95.04	
Cr	100	95.633736	ug/L	95.92	
Cu	100	94.705269	ug/L	95.37	
Fe	100	101.766773	ug/L	102.07	
Ge			ug/L		90.92
Hg	1	0.975915	ug/L	97.59	
Ho			ug/L		89.29
In			ug/L		90.80
K	1000	937.700993	ug/L	93.77	
Mg	100	104.620133	ug/L	104.41	
Mn	100	96.005484	ug/L	96.78	
Na	100	103.691326	ug/L	104.21	
Ni	100	95.061315	ug/L	95.93	
Pb	100	100.989174	ug/L	100.99	
Sb	100	95.563377	ug/L	96.14	
Sc			ug/L		94.86
Se	100	99.111481	ug/L	99.81	
Tl	100	96.683563	ug/L	97.56	
V	100	94.561527	ug/L	94.94	
Zn	100	92.705259	ug/L	93.08	

Sample ID: QC Std 5
Sample Date/Time: Thursday, August 19, 2010 20:53:45
Sample Description: CV-Ag

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	43.750669	ug/L	103.68	
Ge			ug/L		91.16
Ho			ug/L		93.86
In			ug/L		91.81
Sc			ug/L		92.07

Sample ID: QC Std 5
Sample Date/Time: Friday, August 20, 2010 09:55:18
Sample Description: CV-Ag

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	41.795514	ug/L	99.04	
Ge			ug/L		91.95
Ho			ug/L		90.44
In			ug/L		90.33
Sc			ug/L		93.89

Sample ID: QC Std 6
Sample Date/Time: Thursday, August 19, 2010 21:00:49
Sample Description: CCV-Minerals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	9901.79347	ug/L	99.02	
Ca	1000	9770.41384	ug/L	97.70	
Fe	1000	9495.70164	ug/L	94.96	
Ge			ug/L		89.78
Ho			ug/L		91.94
In			ug/L		89.73
K	1000	9759.00973	ug/L	97.59	
Mg	1000	9856.79991	ug/L	98.57	
Na	1000	10104.486	ug/L	101.05	
P	1000	9826.3873	ug/L	98.26	
Sc			ug/L		91.36

Sample ID: QC Std 6
Sample Date/Time: Friday, August 20, 2010 10:02:22
Sample Description: CCV-Minerals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	9685.29335	ug/L	96.85	
Ca	1000	9565.75254	ug/L	95.66	
Fe	1000	9233.93584	ug/L	92.34	
Ge			ug/L		88.46
Ho			ug/L		89.29
In			ug/L		87.36
K	1000	9453.32084	ug/L	94.53	
Mg	1000	9819.89657	ug/L	98.20	
Na	1000	9965.73501	ug/L	99.66	
P	1000	9429.11797	ug/L	94.29	
Sc			ug/L		92.27

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Calibration Verification (CV) Summa
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Sample ID: QC Std 2
Sample Date/Time: Friday, August 20, 2010 12:05:21
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	103.698196	ug/L	104.53	
As	100	100.07069	ug/L	100.57	
Ba	100	98.504758	ug/L	99.10	
Be	100	100.672697	ug/L	101.38	
Ca	100	107.775596	ug/L	108.21	
Cd	100	97.45205	ug/L	97.75	
Co	100	94.421783	ug/L	95.09	
Cr	100	96.256233	ug/L	96.55	
Cu	100	95.286304	ug/L	95.96	
Fe	100	99.68415	ug/L	99.98	
Ge			ug/L		90.37
Hg	1	0.969607	ug/L	96.96	
Ho			ug/L		91.21
In			ug/L		90.35
K	1000	934.136404	ug/L	93.41	
Mg	100	104.822017	ug/L	104.61	
Mn	100	94.822742	ug/L	95.59	
Na	100	104.721929	ug/L	105.25	
Ni	100	95.309293	ug/L	96.18	
Pb	100	100.591779	ug/L	100.59	
Sb	100	95.899359	ug/L	96.48	
Sc			ug/L		92.77
Se	100	96.703513	ug/L	97.39	
Tl	100	99.365455	ug/L	100.27	
V	100	96.071866	ug/L	96.46	
Zn	100	94.172296	ug/L	94.55	

Sample ID: QC Std 5
Sample Date/Time: Friday, August 20, 2010 12:12:24
Sample Description: CV-Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	42.161907	ug/L	99.91	
Ge			ug/L		89.18
Ho			ug/L		91.11
In			ug/L		89.01
Sc			ug/L		91.69

Sample ID: QC Std 6
Sample Date/Time: Friday, August 20, 2010 12:19:28
Sample Description: CCV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	9801.06925	ug/L	98.01	
Ca	1000	9569.62332	ug/L	95.70	
Fe	1000	9290.12996	ug/L	92.90	
Ge			ug/L		88.25
Ho			ug/L		90.67
In			ug/L		89.28
K	1000	9457.65566	ug/L	94.58	
Mg	1000	9824.87643	ug/L	98.25	
Na	1000	9999.93925	ug/L	100.00	
P	1000	9608.55754	ug/L	96.09	
Sc			ug/L		91.34

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ICSA/ICSAB
EAI SDG 91943

Sample ID: ICSA
Sample Date/Time: Thursday, August 19, 2010 14:39:48
Sample Description:

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	< 1	0.102894	ug/L		
Al	50000	44434.0043	ug/L	89	
As	< 1	0.117376	ug/L		
Ba	< 1	0.217856	ug/L		
Be	< 1	0.011743	ug/L		
Ca	50000	46497.2341	ug/L	93	
Cd	< 1	0.020705	ug/L		
Co	< 1	0.197278	ug/L		
Cr	< 1	0.325643	ug/L		
Cu	< 1	0.905332	ug/L		
Fe	50000	45162.5504	ug/L	90	
Ge			ug/L		100.92
Hg	< 0.1	0.009281	ug/L		
Ho			ug/L		97.78
In			ug/L		90.56
K	50000	45475.4825	ug/L	91	
Mg	50000	42823.0931	ug/L	86	
Mn	< 5	0.237904	ug/L		
Na	50000	44173.9321	ug/L	88	
Ni	1.54	1.542008	ug/L		
P	50000	44859.1623	ug/L	90	
Pb	< 1	0.061775	ug/L		
Sb	< 1	0.058068	ug/L		
Sc			ug/L		92.51
Se	< 1	0.094825	ug/L		
Tl	< 1	0.019308	ug/L		
V	1.53	1.531964	ug/L		
Zn	< 5	1.390488	ug/L		

Sample ID: ICSAB
Sample Date/Time: Thursday, August 19, 2010 14:46:21
Sample Description:

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	10	8.50613	ug/L	85	
Al	50000	44660.369	ug/L	89	
As	10	8.660486	ug/L	87	
Ba	10	9.552421	ug/L	96	
Be	10	9.477983	ug/L	95	
Ca	50000	46993.1715	ug/L	94	
Cd	10	9.160697	ug/L	92	
Co	10	9.18775	ug/L	92	
Cr	10	9.845275	ug/L	98	
Cu	10	9.402189	ug/L	94	
Fe	50000	45403.1081	ug/L	91	
Ge			ug/L		97.88
Hg	1	0.953664	ug/L	95	
Ho			ug/L		97.57
In			ug/L		90.38
K	50000	45963.8816	ug/L	92	
Mg	50000	43181.1786	ug/L	86	
Mn	10	9.188621	ug/L	92	
Na	50000	43802.9311	ug/L	88	
Ni	10	10.523179	ug/L	105	
P	50000	44551.3752	ug/L	89	
Pb	10	9.224384	ug/L	92	
Sb	10	9.746305	ug/L	97	
Sc			ug/L		89.29
Se	10	8.754275	ug/L	88	
Tl	10	9.091766	ug/L	91	
V	10	11.057508	ug/L	111	
Zn	10	12.073043	ug/L	121	

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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	Thursday, August 19, 2010 13:44:01	100	99	99	102
QC Std 2	Thursday, August 19, 2010 13:51:03	101	100	99	101
QC Std 3	Thursday, August 19, 2010 13:58:05	99	100	98	102
QC Std 5	Thursday, August 19, 2010 14:05:07	100	102	101	102
QC Std 6	Thursday, August 19, 2010 14:12:11	100	101	96	100
LLCS	Thursday, August 19, 2010 14:33:15	102	100	99	101
ICSA	Thursday, August 19, 2010 14:39:48	93	101	91	98
ICSAB	Thursday, August 19, 2010 14:46:21	89	98	90	98
BLK	Thursday, August 19, 2010 15:07:08	99	100	99	104
filter BLK	Thursday, August 19, 2010 15:13:37	98	98	97	101
Ag LCS	Thursday, August 19, 2010 15:20:07	97	98	98	101
LCS	Thursday, August 19, 2010 15:26:37	91	95	92	99
filter LCS	Thursday, August 19, 2010 15:33:08	91	93	92	97
Ag LCS	Thursday, August 19, 2010 15:39:39	94	93	95	101
QC Std 1	Thursday, August 19, 2010 15:59:14	95	96	96	100
QC Std 2	Thursday, August 19, 2010 16:06:16	96	95	96	100
QC Std 5	Thursday, August 19, 2010 16:13:20	96	97	97	99
QC Std 6	Thursday, August 19, 2010 16:20:24	94	95	94	98
91943.01	Thursday, August 19, 2010 16:27:27	107	93	93	98
91943.01	Thursday, August 19, 2010 16:34:00	109	101	97	101
91943.02	Thursday, August 19, 2010 16:40:34	105	92	90	96
91943.02	Thursday, August 19, 2010 16:47:07	110	100	97	101
91943.03	Thursday, August 19, 2010 16:53:38	111	90	88	94
91943.03	Thursday, August 19, 2010 17:00:05	114	95	93	96
91943.04	Thursday, August 19, 2010 17:06:32	106	87	88	94
91943.04	Thursday, August 19, 2010 17:13:00	107	93	91	96
91943.05	Thursday, August 19, 2010 17:19:29	102	86	86	92
91943.05	Thursday, August 19, 2010 17:25:58	107	91	92	95
QC Std 1	Thursday, August 19, 2010 17:32:28	92	90	91	95
QC Std 2	Thursday, August 19, 2010 17:39:30	91	90	92	95
QC Std 5	Thursday, August 19, 2010 17:46:33	93	91	92	94
QC Std 6	Thursday, August 19, 2010 17:53:37	91	90	90	95
91943.05 MS	Thursday, August 19, 2010 18:00:40	103	91	90	93
91943.05 MSD	Thursday, August 19, 2010 18:07:10	101	91	88	92
91943.06	Thursday, August 19, 2010 18:33:14	104	90	90	95
91943.06	Thursday, August 19, 2010 18:39:46	111	97	97	99
91943.07	Thursday, August 19, 2010 18:46:19	100	81	83	88
91943.08	Thursday, August 19, 2010 18:52:52	107	88	88	92
91943.08	Thursday, August 19, 2010 18:59:21	113	96	95	96
QC Std 1	Thursday, August 19, 2010 19:05:50	92	91	91	95
QC Std 2	Thursday, August 19, 2010 19:12:52	92	92	93	95
QC Std 5	Thursday, August 19, 2010 19:19:55	93	92	92	94
QC Std 6	Thursday, August 19, 2010 19:26:59	92	92	91	93
91943.09	Thursday, August 19, 2010 19:34:05	105	88	83	87
91943.09 MS	Thursday, August 19, 2010 19:40:37	104	92	83	88
91943.09 MSD	Thursday, August 19, 2010 19:47:09	103	91	83	86
91943.09 MS	Thursday, August 19, 2010 20:00:15	101	90	82	85
91943.09 MSD	Thursday, August 19, 2010 20:06:49	100	90	82	85
QC Std 1	Thursday, August 19, 2010 20:39:40	92	90	92	92
QC Std 2	Thursday, August 19, 2010 20:46:42	93	90	92	93
QC Std 5	Thursday, August 19, 2010 20:53:45	92	91	92	94

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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 6	Thursday, August 19, 2010 21:00:49	91	90	90	92
QC Std 1	Thursday, August 19, 2010 22:13:37	92	89	90	93
QC Std 2	Thursday, August 19, 2010 22:20:39	91	90	90	93
QC Std 5	Thursday, August 19, 2010 22:27:43	92	89	90	93
QC Std 6	Thursday, August 19, 2010 22:34:47	90	90	89	92
QC Std 1	Thursday, August 19, 2010 23:47:43	89	85	88	89
QC Std 2	Thursday, August 19, 2010 23:54:46	90	86	87	90
QC Std 5	Friday, August 20, 2010 00:01:49	90	86	89	90
QC Std 6	Friday, August 20, 2010 00:08:53	89	87	86	89
LCS	Tuesday, September 01, 2009 22:15:42	78	82	77	81
82084.21	Tuesday, September 01, 2009 22:42:09	82	80	74	78
82084.22	Tuesday, September 01, 2009 22:48:40	85	78	70	75
82084.24	Tuesday, September 01, 2009 22:55:12	81	80	75	79
82084.24 MS	Tuesday, September 01, 2009 23:01:43	81	80	74	81
82084.24 MSD	Tuesday, September 01, 2009 23:08:16	77	78	72	77
QC Std 1	Tuesday, September 01, 2009 23:14:46	78	80	76	79
QC Std 2	Tuesday, September 01, 2009 23:21:48	78	80	79	79
QC Std 5	Tuesday, September 01, 2009 23:28:51	77	79	76	78
QC Std 1	Friday, August 20, 2010 02:55:11	83	78	83	88
QC Std 2	Friday, August 20, 2010 03:02:13	84	79	84	88
QC Std 5	Friday, August 20, 2010 03:09:16	83	80	83	89
QC Std 6	Friday, August 20, 2010 03:16:20	82	79	80	85
QC Std 1	Friday, August 20, 2010 04:29:03	85	81	83	89
QC Std 2	Friday, August 20, 2010 04:36:05	85	80	83	88
QC Std 5	Friday, August 20, 2010 04:43:08	86	82	84	87
QC Std 6	Friday, August 20, 2010 04:50:12	83	80	83	87
QC Std 1	Friday, August 20, 2010 05:42:57	86	82	85	88
QC Std 2	Friday, August 20, 2010 05:49:59	87	83	85	88
QC Std 5	Friday, August 20, 2010 05:57:02	87	83	85	88
QC Std 6	Friday, August 20, 2010 06:04:06	86	84	83	88
QC Std 1	Friday, August 20, 2010 09:41:13	94	92	91	91
QC Std 2	Friday, August 20, 2010 09:48:15	95	91	91	89
QC Std 5	Friday, August 20, 2010 09:55:18	94	92	90	90
QC Std 6	Friday, August 20, 2010 10:02:22	92	88	87	89
91943.03	Friday, August 20, 2010 10:52:42	92	90	90	91
91943.04	Friday, August 20, 2010 10:59:15	92	90	90	92
91943.05	Friday, August 20, 2010 11:05:48	94	91	90	93
91943.07	Friday, August 20, 2010 11:12:22	95	92	90	93
91943.09	Friday, August 20, 2010 11:18:56	93	90	89	92
91943.09 MS	Friday, August 20, 2010 11:25:30	89	87	85	88
91943.09 MSD	Friday, August 20, 2010 11:32:05	86	86	83	89
QC Std 1	Friday, August 20, 2010 11:58:19	92	90	90	91
QC Std 2	Friday, August 20, 2010 12:05:21	93	90	90	91
QC Std 5	Friday, August 20, 2010 12:12:24	92	89	89	91
QC Std 6	Friday, August 20, 2010 12:19:28	91	88	89	91
QC Std 1	Friday, August 20, 2010 13:31:50	93	91	91	91
QC Std 2	Friday, August 20, 2010 13:38:52	94	93	91	91
QC Std 5	Friday, August 20, 2010 13:45:55	94	92	92	91

Metals

Sample Data

Sample/Batch Report

User Name: ICPMS1
Computer Name: ICPMS1
Sample File: C:\elandata\Sample\AQUIRE_August192010.1HCl.sam
Report Date/Time: Tuesday, August 24, 2010 09:07:15

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
		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		Sample					
29		filter BLK		Sample					
30		Ag LCS		Sample					
31		LCS		Sample					
32		filter LCS		Sample					
33		Ag LCS	rerun	Sample					
34		flush		Sample					
35		flush		Sample					
36		91943.01	34	Sample					
37		91943.01	30	Sample					
38		91943.02	34	Sample					
39		91943.02	30	Sample					
40		91943.03	34	Sample					
41		91943.03	30	Sample					
42		91943.04	34	Sample					
43		91943.04	30	Sample					
44		91943.05	34	Sample					
45		91943.05	30	Sample					
46		91943.05 MS		Sample					
47		91943.05 MSD		Sample					
48		flush		Sample					
49		flush		Sample					

50	flush		Sample
51	91943.06	34	Sample
52	91943.06	30	Sample
53	91943.07		Sample
54	91943.08	34	Sample
55	91943.08	30	Sample
56	91943.09		Sample
57	91943.09 MS	pre	Sample
58	91943.09 MSD	pre	Sample
59	flush		Sample
60	91943.09 MS	post	Sample
61	91943.09 MSD	post	Sample
62	flush		Sample
63	flush		Sample
64	flush		Sample
65	TCLP BLK	1:100	Sample
66	TCLP LCS	1:100	Sample
67	TCLP Ag LCS	1:10	Sample
68	flush		Sample
69	flush		Sample
70	91942.01	1:100	Sample
71	91942.01 MS	1:100	Sample
72	91942.01 MSD	1:100	Sample
73	flush		Sample
74	flush		Sample
75	flush		Sample
76	Soil BLK	1:25	Sample
77	Soil LCS	1:25	Sample
78	Soil QC	1:50	Sample
79	Soil Ag LCS	1:10	Sample
80	flush		Sample
81	flush		Sample
82	91974.01	1:25	Sample
83	91938.01	1:25	Sample
84	91938.02	1:25	Sample
85	91957.01	1:25	Sample
86	91963.01	1:25	Sample
87	91963.01 MS	1:25	Sample
88	91963.01 MSD	1:25	Sample
89	flush		Sample
90	flush		Sample
91	flush		Sample
92	91940.01		Sample
93	91953.01	34	Sample
94	91953.01	30	Sample
95	91953.02	34	Sample
96	91953.02	30	Sample
97	91928.01		Sample
98	91928.02		Sample
99	91928.03		Sample
100	91928.04		Sample
101	91928.05		Sample
102	91928.05 MS		Sample
103	91928.05 MSD		Sample
104	flush		Sample
105	flush		Sample
106	flush		Sample
107	91955.02	34	Sample
108	91955.02	30	Sample
109	91964.02		Sample

110	91986.01		Sample
111	91987.01		Sample
112	91988.01		Sample
113	91988.02		Sample
114	91997.01		Sample
115	91991.01 MS		Sample
116	91991.01 MSD		Sample
117	flush		Sample
118	flush		Sample
119	flush		Sample
120	91065.01		Sample
121	91972.02		Sample
122	flush		Sample
123	91943.03	1:10	Sample
124	91943.04	1:10	Sample
125	91943.05	1:10	Sample
126	91943.07	1:10	Sample
127	91943.09	1:10	Sample
128	91943.09 MS	1:10	Sample
129	91943.09 MSI	1:10	Sample
130	flush		Sample
131	flush		Sample
132	flush		Sample
133	91963.01	1:100	Sample
134	91963.01 MS	1:100	Sample
135	91963.01 MSI	1:100	Sample
136	flush		Sample
137	flush		Sample
138	flush		Sample
139	TCLP BLK	1:100	Sample
140	TCLP LCS	1:100	Sample
141	TCLP Ag LCS	1:10	Sample
142	flush		Sample
143	flush		Sample
144	91973.01	1:100	Sample
145	91973.02	1:100	Sample
146	91973.03	1:100	Sample
147	91973.04	1:100	Sample
148	91973.05	1:100	Sample
149	91973.06	1:100	Sample
150	91973.07	1:100	Sample
151	91973.08	1:100	Sample
152	91973.09	1:100	Sample
153	91973.10	1:100	Sample
154	91973.10 MS	1:100	Sample
155	91973.10 MSI	1:100	Sample
156	flush		Sample
157	flush		Sample
158	flush		Sample
159	91973.11	1:100	Sample
160	91973.12	1:100	Sample

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Thursday, August 19, 2010 12:26:49
Sample Description:
Method File: C:\Elandata\Method\EPA200 DAILY.mth
Dataset File: C:\Elandata\Dataset\daily performance\Sample.034
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	59007.8	59007.769	153.864	0.3
	Rh	102.9	352204.5	352204.465	1740.579	0.5
	In	114.9	422951.8	422951.816	1565.304	0.4
	Pb	208.0	223108.5	223108.533	1697.121	0.8
⌈>	Ba	137.9	370726.4	370726.394	2297.184	0.6
⌊	Ba++	69.0	4725.9	0.013	0.000	1.0
⌈>	Ce	139.9	441162.1	441162.091	1363.885	0.3
⌊	CeO	155.9	11875.9	0.027	0.000	1.2
	Bkgd	220.0	3.0	3.000	3.317	110.6

Current Optimization File Data

Current Value	Description
0.99	Nebulizer Gas Flow
6.75	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	5.8	5330.6
Co	59	15	6.3	161184.4
In	115	15	6.8	428826.0

Instrument Tuning Report

Name: EPA.tun
e 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	600	2087	0.621	
Mg	23.985	23.978	5731	2024	0.634	
Rh	102.905	102.878	25058	1900	0.651	
Ce	139.905	139.879	34044	1961	0.652	
Pb	207.977	207.977	50458	2247	0.608	

Eastern Analytical Inc.
Aqueous Digestion Logbook

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BatSamNum	Prep Date	Digestion Batch ID	Reagent/Chem Inv.	Temp. °C	Analyst	Notes
Blank	8/18/10	A	35744.4 | 38256.1 | 38990.1, 38257.1 | 38258.3 | 34013.1, 34016.1	53.5	SKN	
LCS						
LCS Aq						
91906.04						
.02						
.03						
.04						
.05						
91907.05						
.06						
91916.01						
91933.01						
.02						
.03						
91943.01						
.02						
.03						
.04						
.05						
.06						
.07						
.08						
.09						
MS			38257.1 | 38258.3 | 34013.1			
MSD						

SKN 8/18/10

Sample ID: 91943.01
Sample Date/Time: Thursday, August 19, 2010 16:27:27
Autosampler Position: 36
Sample Description: 34
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.01.46438

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19414.045	ug/L	
Be	9	0.002831	10.333	ug/L	0.005
B	10	57.873784	7666.310	ug/L	0.933
B	11	59.866305	41731.683	ug/L	0.449
C	12		726932.346	ug/L	
Na	23	19641.088583	177321165.805	ug/L	89.444
Mg	24	9750.096064	60135039.285	ug/L	9.459
Mg	25	9619.231737	8356923.865	ug/L	149.733
Al	27	20.203711	198704.606	ug/L	0.143
Si	28		27751738.896	ug/L	
P	31	52.475997	42369.419	ug/L	0.057
S	32		110815634.513	ug/L	
Cl	35		13359766.038	ug/L	
K	39	3357.624769	52735329.212	ug/L	12.079
Ca	44	28895.185941	14123537.774	ug/L	117.011
Sc	45		254028.937	ug/L	
Ti	47	1.281459	1778.858	ug/L	0.021
Ti	48	34.536168	457930.530	ug/L	0.832
V	51	0.208698	33684.985	ug/L	0.015
ClO	51		34811.885	ug/L	
Cr	52	-0.121757	10252.233	ug/L	0.005
Cr	53	0.383393	10899.973	ug/L	0.113
Fe	54	300.935759	425540.908	ug/L	7.412
Mn	55	381.555654	8750443.331	ug/L	5.951
Fe	56	264.452629	9154426.775	ug/L	13.125
Fe	57	356.403242	178000.201	ug/L	1.972
Co	59	0.104413	1759.855	ug/L	0.006
Ni	60	0.986202	3408.006	ug/L	0.029
Ni	62	0.175690	149.003	ug/L	0.020
Cu	63	0.354272	2789.456	ug/L	0.008
Zn	64	2.252622	9435.769	ug/L	0.040
Cu	65	0.173815	713.702	ug/L	0.013
Zn	66	1.611308	4286.053	ug/L	0.080
Zn	68	2.163345	3951.231	ug/L	0.105
Ge	72		183083.909	ug/L	
As	75	20.419123	41578.944	ug/L	0.096
ArCl	77		914.722	ug/L	
Se	78	-1.128511	12601.135	ug/L	0.096
Br	79		23741.631	ug/L	

Br	81		50042.217	ug/L	
Se	82	0.353672	69.605	ug/L	0.068
Y	89		482081.477	ug/L	
Mo	95	2.681187	13439.394	ug/L	0.024
Rh	103		432170.043	ug/L	
Ag	107	0.222941	3547.065	ug/L	0.030
Ag	109	0.222680	3358.323	ug/L	0.025
Cd	111	0.005484	58.334	ug/L	0.004
Cd	114	0.003838	107.335	ug/L	0.001
In	115		533420.988	ug/L	
Sb	121	0.119977	1595.823	ug/L	0.012
Sb	123	0.124615	1260.828	ug/L	0.006
Ba	137	18.773653	99161.543	ug/L	0.032
Ba	138	18.698043	631272.165	ug/L	0.021
Tb	159		588732.051	ug/L	
Ho	165		566817.897	ug/L	
Hg	200	0.027752	72.334	ug/L	0.002
Hg	202	0.024698	85.668	ug/L	0.005
Tl	205	0.009235	552.356	ug/L	0.000
Pb	208	0.029670	4382.796	ug/L	0.002
Bi	209		440130.514	ug/L	
Se	77	1.342438	934.391	ug/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		106.646
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 92.803
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 92.616
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 97.989
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.01
Sample Date/Time: Thursday, August 19, 2010 16:34:00
Autosampler Position: 37
Sample Description: 30
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.01.46439

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		20298.638	ug/L	
Be	9	-0.002088	8.000	ug/L	0.004
B	10	56.200494	7637.283	ug/L	0.435
B	11	58.887837	42109.079	ug/L	1.207
C	12		1714213.269	ug/L	
Na	23	18939.206692	175382204.865	ug/L	28.756
Mg	24	9329.562850	59019798.926	ug/L	108.331
Mg	25	9312.973439	8299865.762	ug/L	61.283
Al	27	7.243270	74730.061	ug/L	0.167
Si	28		27598607.750	ug/L	
P	31	41.423450	37032.305	ug/L	0.405
S	32		111733399.231	ug/L	
Cl	35		1617335.773	ug/L	
K	39	3246.695011	52334209.309	ug/L	78.306
Ca	44	27489.031377	13781250.582	ug/L	344.485
Sc	45		260548.983	ug/L	
Ti	47	1.006853	1479.469	ug/L	0.012
Ti	48	32.944408	448108.275	ug/L	1.338
V	51	-1.027399	12196.299	ug/L	0.012
ClO	51		12569.810	ug/L	
Cr	52	-0.176722	9684.852	ug/L	0.002
Cr	53	-3.769774	3653.104	ug/L	0.016
Fe	54	206.419432	326322.325	ug/L	5.616
Mn	55	363.618904	8554612.156	ug/L	1.732
Fe	56	207.133738	8277648.908	ug/L	8.144
Fe	57	300.458424	156253.562	ug/L	2.293
Co	59	0.099745	1730.515	ug/L	0.004
Ni	60	0.935060	3323.974	ug/L	0.020
Ni	62	0.170518	150.336	ug/L	0.000
Cu	63	0.568777	4468.142	ug/L	0.006
Zn	64	0.612127	3759.152	ug/L	0.019
Cu	65	0.400125	1562.817	ug/L	0.014
Zn	66	-0.064524	807.711	ug/L	0.027
Zn	68	0.502802	1516.808	ug/L	0.031
Ge	72		199215.141	ug/L	
As	75	20.353115	45096.843	ug/L	0.126
ArCl	77		285.007	ug/L	
Se	78	-2.832721	12804.279	ug/L	0.142
Br	79		19712.880	ug/L	

Br	81		44413.671	ug/L	
Se	82	0.280065	58.468	ug/L	0.029
Y	89		503845.184	ug/L	
Mo	95	2.224747	12139.893	ug/L	0.086
Rh	103		451368.599	ug/L	
Ag	107	0.006646	673.365	ug/L	0.004
Ag	109	0.004670	607.360	ug/L	0.007
Cd	111	0.024356	128.336	ug/L	0.002
Cd	114	0.025355	288.674	ug/L	0.000
In	115		560405.932	ug/L	
Sb	121	0.172273	2270.306	ug/L	0.001
Sb	123	0.173776	1754.678	ug/L	0.002
Ba	137	17.268005	95827.038	ug/L	0.159
Ba	138	17.308825	613963.665	ug/L	0.079
Tb	159		609954.736	ug/L	
Ho	165		585072.014	ug/L	
Hg	200	0.024853	68.001	ug/L	0.003
Hg	202	0.013993	55.667	ug/L	0.004
Tl	205	0.029958	1193.757	ug/L	0.004
Pb	208	-0.020758	2444.821	ug/L	0.002
Bi	209		429529.392	ug/L	
Se	77	-2.471673	296.008	ug/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		109.383
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 100.980
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 97.301
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 101.145
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.02
Sample Date/Time: Thursday, August 19, 2010 16:40:34
Autosampler Position: 38
Sample Description: 34
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.02.46440

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19050.607	ug/L	
Be	9	0.002994	10.333	ug/L	0.006
B	10	27.051588	3576.406	ug/L	0.585
B	11	28.841549	20040.267	ug/L	0.411
C	12		735632.558	ug/L	
Na	23	24687.639681	219578888.031	ug/L	376.310
Mg	24	12289.779677	74651151.700	ug/L	458.417
Mg	25	12139.399285	10389683.052	ug/L	330.040
Al	27	11.023257	107811.161	ug/L	1.130
Si	28		27552668.406	ug/L	
P	31	29.653001	28975.700	ug/L	3.549
S	32		112339302.152	ug/L	
Cl	35		13736936.839	ug/L	
K	39	6094.056708	93508689.875	ug/L	161.673
Ca	44	23313.585807	11226888.682	ug/L	456.027
Sc	45		250315.423	ug/L	
Ti	47	1.424633	1925.223	ug/L	0.049
Ti	48	28.147482	367553.581	ug/L	1.414
V	51	0.188942	32832.844	ug/L	0.056
ClO	51		33781.319	ug/L	
Cr	52	-0.084549	10637.455	ug/L	0.030
Cr	53	0.358198	10693.726	ug/L	0.197
Fe	54	2558.603881	2948052.295	ug/L	65.218
Mn	55	525.394328	11868407.689	ug/L	16.855
Fe	56	2533.203779	51382041.116	ug/L	75.144
Fe	57	2561.766229	1171750.151	ug/L	85.166
Co	59	0.354018	5618.459	ug/L	0.007
Ni	60	0.886953	3035.871	ug/L	0.032
Ni	62	0.240023	177.670	ug/L	0.031
Cu	63	0.488682	3714.129	ug/L	0.022
Zn	64	2.290373	9425.552	ug/L	0.090
Cu	65	0.255694	992.064	ug/L	0.005
Zn	66	1.595659	4190.674	ug/L	0.071
Zn	68	2.557341	4470.477	ug/L	0.137
Ge	72		181848.881	ug/L	
As	75	5.983891	11952.916	ug/L	0.124
ArCl	77		957.727	ug/L	
Se	78	-1.310664	12426.539	ug/L	0.475
Br	79		24916.441	ug/L	

Br	81		50665.498	ug/L	
Se	82	0.377419	74.170	ug/L	0.005
Y	89		476915.161	ug/L	
Mo	95	1.359629	6787.267	ug/L	0.002
Rh	103		420008.280	ug/L	
Ag	107	0.163472	2690.431	ug/L	0.030
Ag	109	0.154927	2440.021	ug/L	0.019
Cd	111	0.008925	68.334	ug/L	0.000
Cd	114	0.012943	174.337	ug/L	0.003
In	115		520965.644	ug/L	
Sb	121	0.101295	1362.116	ug/L	0.003
Sb	123	0.100752	1037.931	ug/L	0.004
Ba	137	36.802667	189695.589	ug/L	1.186
Ba	138	36.789989	1212052.599	ug/L	1.262
Tb	159		578912.976	ug/L	
Ho	165		553008.139	ug/L	
Hg	200	0.009354	30.000	ug/L	0.003
Hg	202	0.007559	34.000	ug/L	0.001
Tl	205	0.014904	699.367	ug/L	0.002
Pb	208	0.064073	5609.743	ug/L	0.009
Bi	209		435930.841	ug/L	
Se	77	1.444018	951.393	ug/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		105.087
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe	
Co	
Ni	
Ni	
Cu	
Zn	
Cu	
Zn	
Zn	
> Ge	92.177
As	
ArCl	
Se	
Br	
Br	
Se	
Y	
Mo	
Rh	
Ag	
Ag	
Cd	
Cd	
> In	90.454
Sb	
Sb	
Ba	
Ba	
Tb	
> Ho	95.602
Hg	
Hg	
Tl	
Pb	
Bi	
Se	

Sample ID: 91943.02
Sample Date/Time: Thursday, August 19, 2010 16:47:07
Autosampler Position: 39
Sample Description: 30
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.02.46441

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		20545.862	ug/L	
Be	9	0.000244	9.333	ug/L	0.000
B	10	25.363989	3529.387	ug/L	1.293
B	11	26.492229	19382.836	ug/L	1.001
C	12		1560998.314	ug/L	
Na	23	23516.660561	219820789.347	ug/L	757.761
Mg	24	11749.348457	75030893.041	ug/L	346.700
Mg	25	11779.765135	10596358.040	ug/L	460.529
Al	27	1.498820	17678.944	ug/L	0.087
Si	28		27561418.757	ug/L	
P	31	16.143948	22546.845	ug/L	1.452
S	32		110759944.907	ug/L	
Cl	35		2118929.433	ug/L	
K	39	5791.830599	93463325.124	ug/L	185.584
Ca	44	21961.128550	11113655.473	ug/L	997.556
Sc	45		263122.828	ug/L	
Ti	47	1.000673	1485.136	ug/L	0.064
Ti	48	26.122585	358769.837	ug/L	0.235
V	51	-1.084276	11277.772	ug/L	0.003
ClO	51		11708.653	ug/L	
Cr	52	-0.210162	9264.996	ug/L	0.023
Cr	53	-3.791795	3649.102	ug/L	0.007
Fe	54	2309.107691	2804685.418	ug/L	92.261
Mn	55	496.030933	11780988.205	ug/L	9.551
Fe	56	2330.935115	50042411.961	ug/L	69.774
Fe	57	2379.131101	1145270.521	ug/L	37.062
Co	59	0.313936	5249.568	ug/L	0.010
Ni	60	0.747075	2715.433	ug/L	0.016
Ni	62	0.168547	150.669	ug/L	0.023
Cu	63	0.618610	4886.695	ug/L	0.026
Zn	64	0.634922	3878.352	ug/L	0.019
Cu	65	0.397443	1567.484	ug/L	0.015
Zn	66	-0.089921	760.373	ug/L	0.010
Zn	68	0.843682	2055.920	ug/L	0.095
Ge	72		197849.381	ug/L	
As	75	5.871664	12750.726	ug/L	0.213
ArCl	77		306.675	ug/L	
Se	78	-3.053610	12590.544	ug/L	1.119
Br	79		21128.738	ug/L	

Br	81		45632.698	ug/L	
Se	82	0.238663	48.772	ug/L	0.100
Y	89		502162.711	ug/L	
Mo	95	1.080051	5865.621	ug/L	0.104
Rh	103		447127.737	ug/L	
Ag	107	-0.014151	379.345	ug/L	0.000
Ag	109	-0.016428	324.676	ug/L	0.001
Cd	111	0.014789	94.335	ug/L	0.001
Cd	114	0.015818	210.005	ug/L	0.003
In	115		559787.048	ug/L	
Sb	121	0.094159	1380.119	ug/L	0.009
Sb	123	0.094718	1060.891	ug/L	0.006
Ba	137	33.383038	184800.289	ug/L	1.626
Ba	138	33.469837	1184343.116	ug/L	1.555
Tb	159		608761.819	ug/L	
Ho	165		584647.526	ug/L	
Hg	200	0.001418	13.333	ug/L	0.002
Hg	202	0.001811	18.334	ug/L	0.000
Tl	205	0.023992	1013.733	ug/L	0.001
Pb	208	-0.027024	2186.125	ug/L	0.001
Bi	209		432059.955	ug/L	
Se	77	-2.455740	298.675	ug/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		110.464
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	100.287
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.194
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	101.071
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 91943.03
Sample Date/Time: Thursday, August 19, 2010 16:53:38
Autosampler Position: 40
Sample Description: 34
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.03.46442

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19430.080	ug/L	
Be	9	0.046544	34.334	ug/L	0.000
B	10	128.108561	17502.342	ug/L	0.580
B	11	132.970849	95639.108	ug/L	0.839
C	12		846210.108	ug/L	
Na	23	61910.273089	580148739.496	ug/L	1278.808
Mg	24	20162.769291	129090070.872	ug/L	327.175
Mg	25	20126.247889	18152476.565	ug/L	413.410
Al	27	165.497746	1671641.415	ug/L	4.727
Si	28		38838433.892	ug/L	
P	31	202.152807	132021.525	ug/L	6.243
S	32		104431378.005	ug/L	
Cl	35		15652498.642	ug/L	
K	39	7765.961731	125323706.027	ug/L	32.263
Ca	44	41598.960870	21101976.203	ug/L	638.633
Sc	45		263739.749	ug/L	
Ti	47	10.035029	12989.404	ug/L	0.029
Ti	48	44.365849	610599.409	ug/L	2.546
V	51	0.473720	39816.740	ug/L	0.021
ClO	51		40763.628	ug/L	
Cr	52	0.146780	14753.882	ug/L	0.015
Cr	53	0.539748	11603.517	ug/L	0.113
Fe	54	5590.746373	6686320.288	ug/L	55.607
Mn	55	215.294123	5128064.842	ug/L	0.376
Fe	56	5633.379061	115173137.028	ug/L	7.528
Fe	57	5766.659782	2761410.187	ug/L	38.183
Co	59	0.196427	3336.646	ug/L	0.003
Ni	60	3.901232	13493.141	ug/L	0.071
Ni	62	2.796296	1483.469	ug/L	0.080
Cu	63	1.635118	12604.191	ug/L	0.043
Zn	64	26.726851	99185.148	ug/L	0.507
Cu	65	0.906819	3463.027	ug/L	0.014
Zn	66	27.070682	59638.940	ug/L	1.008
Zn	68	28.300763	44512.515	ug/L	1.238
Ge	72		177104.494	ug/L	
As	75	35.845125	70763.336	ug/L	0.351
ArCl	77		1139.083	ug/L	
Se	78	-0.876697	12308.893	ug/L	0.083
Br	79		165835.637	ug/L	

Br	81		200734.088	ug/L	
Se	82	2.299076	472.244	ug/L	0.074
Y	89		474559.935	ug/L	
Mo	95	2.312441	11217.696	ug/L	0.002
Rh	103		405781.333	ug/L	
Ag	107	0.395974	5585.773	ug/L	0.015
Ag	109	0.360182	4862.350	ug/L	0.012
Cd	111	0.042027	173.003	ug/L	0.003
Cd	114	0.042723	389.679	ug/L	0.001
In	115		507171.611	ug/L	
Sb	121	0.212785	2471.027	ug/L	0.004
Sb	123	0.211368	1885.361	ug/L	0.003
Ba	137	77.291469	387917.310	ug/L	1.070
Ba	138	74.843831	2400903.147	ug/L	1.450
Tb	159		567913.678	ug/L	
Ho	165		543868.156	ug/L	
Hg	200	0.063137	146.003	ug/L	0.003
Hg	202	0.048724	150.336	ug/L	0.006
Tl	205	0.006592	456.016	ug/L	0.000
Pb	208	0.425848	19390.691	ug/L	0.003
Bi	209		407162.423	ug/L	
Se	77	2.461826	1121.747	ug/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		110.723
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 89.772
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 88.059
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 94.022
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.03
Sample Date/Time: Thursday, August 19, 2010 17:00:05
Autosampler Position: 41
Sample Description: 30
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.03.46443

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19603.781	ug/L	
Be	9	0.012409	16.334	ug/L	0.008
B	10	126.700633	17779.551	ug/L	4.000
B	11	131.011441	96790.918	ug/L	3.618
C	12		3702603.462	ug/L	
Na	23	62784.242830	604415754.509	ug/L	700.791
Mg	24	20432.023434	134378468.703	ug/L	369.884
Mg	25	20334.155670	18840258.027	ug/L	435.433
Al	27	8.402199	89695.945	ug/L	0.182
Si	28		38667802.044	ug/L	
P	31	184.570823	125006.091	ug/L	4.871
S	32		101689221.773	ug/L	
Cl	35		4122718.743	ug/L	
K	39	7813.054126	129494875.499	ug/L	177.546
Ca	44	40573.153489	21142684.762	ug/L	656.321
Sc	45		270905.340	ug/L	
Ti	47	1.837352	2624.072	ug/L	0.011
Ti	48	38.928347	550569.285	ug/L	0.663
V	51	-0.880541	15443.599	ug/L	0.015
ClO	51		15971.177	ug/L	
Cr	52	-0.248512	8939.955	ug/L	0.012
Cr	53	-3.231585	4812.989	ug/L	0.030
Fe	54	4815.170960	5927920.472	ug/L	39.425
Mn	55	209.583669	5127710.717	ug/L	1.138
Fe	56	4865.523496	102777532.323	ug/L	34.789
Fe	57	5028.451473	2475522.106	ug/L	19.704
Co	59	0.079511	1458.132	ug/L	0.003
Ni	60	3.471951	12355.514	ug/L	0.040
Ni	62	2.371085	1302.773	ug/L	0.038
Cu	63	1.077736	8608.827	ug/L	0.014
Zn	64	0.747835	4417.367	ug/L	0.018
Cu	65	0.314249	1297.439	ug/L	0.009
Zn	66	0.439583	1962.231	ug/L	0.035
Zn	68	2.153789	4200.012	ug/L	0.024
Ge	72		187231.139	ug/L	
As	75	32.138822	67048.915	ug/L	0.243
ArCl	77		439.348	ug/L	
Se	78	-1.766163	12567.135	ug/L	0.216
Br	79		132066.744	ug/L	

Br	81		162540.471	ug/L	
Se	82	1.452902	313.011	ug/L	0.036
Y	89		493606.414	ug/L	
Mo	95	1.946286	9984.256	ug/L	0.133
Rh	103		424228.854	ug/L	
Ag	107	-0.023756	233.005	ug/L	0.001
Ag	109	-0.026759	177.670	ug/L	0.003
Cd	111	0.012140	81.001	ug/L	0.005
Cd	114	0.015330	197.337	ug/L	0.001
In	115		534832.918	ug/L	
Sb	121	0.093464	1313.108	ug/L	0.001
Sb	123	0.087820	957.339	ug/L	0.005
Ba	137	72.402184	383230.290	ug/L	0.530
Ba	138	69.842803	2363018.787	ug/L	0.263
Tb	159		582329.505	ug/L	
Ho	165		556627.137	ug/L	
Hg	200	0.054702	130.669	ug/L	0.008
Hg	202	0.037210	120.335	ug/L	0.006
Tl	205	0.013282	658.364	ug/L	0.001
Pb	208	-0.025706	2132.454	ug/L	0.000
Bi	209		385441.666	ug/L	
Se	77	-1.495764	459.350	ug/L	0.180

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
\>	Sc		113.731
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

94.905

92.861

96.227

Sample ID: 91943.04
Sample Date/Time: Thursday, August 19, 2010 17:06:32
Autosampler Position: 42
Sample Description: 34
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.04.46444

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18578.972	ug/L	
Be	9	0.010125	14.000	ug/L	0.002
B	10	17.503010	2355.996	ug/L	0.317
B	11	18.417507	13020.451	ug/L	0.439
C	12		755384.046	ug/L	
Na	23	S	S	ug/L	S
Mg	24	18877.356833	115227513.292	ug/L	138.287
Mg	25	18794.833129	16162221.810	ug/L	105.872
Al	27	99.460103	958362.403	ug/L	0.591
Si	28		25750096.054	ug/L	
P	31	82.711547	58889.325	ug/L	0.203
S	32		109995883.503	ug/L	
Cl	35		19000413.596	ug/L	
K	39	5304.669169	81907251.715	ug/L	123.280
Ca	44	53027.002196	25642966.840	ug/L	659.560
Sc	45		251403.487	ug/L	
Ti	47	5.630607	7038.463	ug/L	0.224
Ti	48	53.235659	698820.018	ug/L	0.557
V	51	0.799007	43634.593	ug/L	0.042
ClO	51		44174.187	ug/L	
Cr	52	0.204062	14901.793	ug/L	0.006
Cr	53	2.129658	13844.006	ug/L	0.096
Fe	54	952.170798	1154075.815	ug/L	11.473
Mn	55	401.815362	9121183.476	ug/L	2.056
Fe	56	906.554075	21108616.276	ug/L	2.051
Fe	57	1045.156308	488868.688	ug/L	6.915
Co	59	0.137480	2259.637	ug/L	0.002
Ni	60	1.930276	6447.350	ug/L	0.004
Ni	62	0.525371	316.675	ug/L	0.068
Cu	63	1.813966	13310.203	ug/L	0.000
Zn	64	3.896044	15062.325	ug/L	0.002
Cu	65	0.726917	2664.750	ug/L	0.006
Zn	66	3.177193	7480.151	ug/L	0.008
Zn	68	3.985255	6598.126	ug/L	0.002
Ge	72		171734.931	ug/L	
As	75	9.185281	17435.412	ug/L	0.032
ArCl	77		1397.455	ug/L	
Se	78	-0.383007	12162.392	ug/L	0.182
Br	79		68500.296	ug/L	

Br	81		96336.730	ug/L	
Se	82	0.938203	183.235	ug/L	0.152
Y	89		474531.410	ug/L	
Mo	95	1.010077	4770.633	ug/L	0.015
Rh	103		404553.605	ug/L	
Ag	107	0.136815	2266.639	ug/L	0.005
Ag	109	0.140332	2189.620	ug/L	0.010
Cd	111	0.046921	188.004	ug/L	0.003
Cd	114	0.050148	443.349	ug/L	0.000
In	115		505688.801	ug/L	
Sb	121	0.114089	1453.798	ug/L	0.011
Sb	123	0.116315	1130.070	ug/L	0.003
Ba	137	35.896240	179651.191	ug/L	0.783
Ba	138	35.640301	1140151.243	ug/L	0.672
Tb	159		564595.049	ug/L	
Ho	165		544862.777	ug/L	
Hg	200	0.029196	72.668	ug/L	0.004
Hg	202	0.020998	71.668	ug/L	0.004
Tl	205	0.004925	410.013	ug/L	0.001
Pb	208	0.323502	15495.656	ug/L	0.006
Bi	209		398702.240	ug/L	
Se	77	3.945747	1370.117	ug/L	0.180

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌜	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
>	Sc		105.544
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 87.050
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 87.801
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 94.194
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 91943.04
Sample Date/Time: Thursday, August 19, 2010 17:13:00
Autosampler Position: 43
Sample Description: 30
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.04.46445

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18969.103	ug/L	
Be	9	-0.001757	8.000	ug/L	0.002
B	10	16.055037	2196.287	ug/L	0.652
B	11	16.980174	12194.296	ug/L	0.499
C	12		2081185.120	ug/L	
Na	23	S	S	ug/L	S
Mg	24	18839.166867	116478661.078	ug/L	393.601
Mg	25	18664.324169	16257029.503	ug/L	424.877
Al	27	2.944687	31193.221	ug/L	0.116
Si	28		25673530.481	ug/L	
P	31	62.570478	48215.686	ug/L	0.517
S	32		107086658.451	ug/L	
Cl	35		7369827.858	ug/L	
K	39	5240.716107	81969329.795	ug/L	152.816
Ca	44	52034.732391	25489025.071	ug/L	672.852
Sc	45		254683.804	ug/L	
Ti	47	1.088813	1546.814	ug/L	0.010
Ti	48	52.056296	692171.938	ug/L	1.186
V	51	-0.474755	21688.056	ug/L	0.015
ClO	51		22114.753	ug/L	
Cr	52	-0.165617	9632.153	ug/L	0.013
Cr	53	-1.907708	6870.331	ug/L	0.003
Fe	54	765.345054	955863.365	ug/L	45.248
Mn	55	401.814904	9238633.592	ug/L	10.663
Fe	56	747.091429	18348825.542	ug/L	39.484
Fe	57	910.681735	433297.753	ug/L	34.887
Co	59	0.101917	1725.514	ug/L	0.004
Ni	60	1.834402	6214.186	ug/L	0.056
Ni	62	0.391307	255.006	ug/L	0.026
Cu	63	1.503893	11212.689	ug/L	0.025
Zn	64	0.936540	4817.671	ug/L	0.056
Cu	65	0.429939	1634.163	ug/L	0.015
Zn	66	0.227793	1401.122	ug/L	0.037
Zn	68	1.102413	2378.001	ug/L	0.036
Ge	72		182628.178	ug/L	
As	75	9.170149	18510.404	ug/L	0.022
ArCl	77		692.033	ug/L	
Se	78	-1.907839	12189.247	ug/L	0.503
Br	79		52862.778	ug/L	

Br	81		79452.480	ug/L	
Se	82	0.641484	131.181	ug/L	0.067
Y	89		489640.877	ug/L	
Mo	95	0.841694	4233.362	ug/L	0.045
Rh	103		425230.497	ug/L	
Ag	107	-0.018240	302.675	ug/L	0.002
Ag	109	-0.017020	297.675	ug/L	0.001
Cd	111	0.016937	95.668	ug/L	0.003
Cd	114	0.013749	182.004	ug/L	0.000
In	115		526249.518	ug/L	
Sb	121	0.159068	1989.571	ug/L	0.017
Sb	123	0.154295	1486.871	ug/L	0.011
Ba	137	34.741208	180933.976	ug/L	0.906
Ba	138	34.473538	1147694.550	ug/L	0.582
Tb	159		576630.768	ug/L	
Ho	165		555246.507	ug/L	
Hg	200	0.015284	43.334	ug/L	0.002
Hg	202	0.006958	32.334	ug/L	0.001
Tl	205	0.010165	567.690	ug/L	0.000
Pb	208	-0.027090	2073.113	ug/L	0.001
Bi	209		387323.466	ug/L	
Se	77	-0.264899	665.364	ug/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		106.921
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 92.572
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 91.371
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 95.989
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.05
Sample Date/Time: Thursday, August 19, 2010 17:19:29
Autosampler Position: 44
Sample Description: 34
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.05.46446

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17944.366	ug/L	
Be	9	0.007154	12.000	ug/L	0.002
B	10	21.023278	2706.430	ug/L	0.343
B	11	21.892381	14812.545	ug/L	0.499
C	12		729113.741	ug/L	
Na	23	S	S	ug/L	S
Mg	24	19762.912349	116100918.376	ug/L	431.238
Mg	25	19500.417402	16139090.147	ug/L	439.087
Al	27	51.029355	474262.637	ug/L	2.212
Si	28		28685838.889	ug/L	
P	31	40.367624	33812.817	ug/L	1.718
S	32		109784262.998	ug/L	
Cl	35		18153759.217	ug/L	
K	39	5769.712512	85658200.336	ug/L	124.344
Ca	44	53122.808814	24721648.675	ug/L	70.104
Sc	45		241938.566	ug/L	
Ti	47	2.844275	3519.383	ug/L	0.009
Ti	48	52.923339	668590.663	ug/L	0.218
V	51	0.796743	41954.018	ug/L	0.022
ClO	51		43177.062	ug/L	
Cr	52	0.006105	11560.184	ug/L	0.009
Cr	53	2.185868	13417.362	ug/L	0.036
Fe	54	1472.832415	1674406.716	ug/L	24.787
Mn	55	516.010840	11270969.838	ug/L	6.594
Fe	56	1408.836627	29380380.769	ug/L	23.423
Fe	57	1551.396435	691599.805	ug/L	19.071
Co	59	0.990161	15001.183	ug/L	0.008
Ni	60	2.405698	7693.331	ug/L	0.064
Ni	62	0.857813	459.350	ug/L	0.003
Cu	63	1.460035	10347.322	ug/L	0.008
Zn	64	5.578953	20134.072	ug/L	0.049
Cu	65	0.480100	1723.514	ug/L	0.003
Zn	66	4.881045	10587.935	ug/L	0.005
Zn	68	6.032256	9253.466	ug/L	0.109
Ge	72		169428.333	ug/L	
As	75	10.169099	19063.877	ug/L	0.074
ArCl	77		1362.449	ug/L	
Se	78	-0.521330	11936.000	ug/L	0.164
Br	79		66539.649	ug/L	

Br	81		95163.779	ug/L	
Se	82	1.052269	203.639	ug/L	0.141
Y	89		459485.676	ug/L	
Mo	95	1.179095	5488.712	ug/L	0.011
Rh	103		395426.770	ug/L	
Ag	107	0.146849	2343.659	ug/L	0.006
Ag	109	0.148142	2234.964	ug/L	0.003
Cd	111	0.078121	282.007	ug/L	0.001
Cd	114	0.090076	722.369	ug/L	0.001
In	115		495028.826	ug/L	
Sb	121	0.094177	1222.761	ug/L	0.009
Sb	123	0.100645	985.052	ug/L	0.004
Ba	137	52.690955	258166.329	ug/L	0.007
Ba	138	52.287560	1637538.363	ug/L	0.067
Tb	159		552611.154	ug/L	
Ho	165		534911.494	ug/L	
Hg	200	0.027458	67.668	ug/L	0.001
Hg	202	0.015959	56.334	ug/L	0.004
Tl	205	0.003753	370.345	ug/L	0.001
Pb	208	0.107258	7061.822	ug/L	0.004
Bi	209		388332.754	ug/L	
Se	77	3.660911	1322.443	ug/L	0.279

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		101.570
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 85.881
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 85.950
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 92.473
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.05
Sample Date/Time: Thursday, August 19, 2010 17:25:58
Autosampler Position: 45
Sample Description: 30
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.05.46447

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18819.460	ug/L	
Be	9	-0.003083	7.333	ug/L	0.002
B	10	18.851734	2575.724	ug/L	0.898
B	11	19.958014	14320.753	ug/L	0.917
C	12		1773936.236	ug/L	
Na	23	S	S	ug/L	S
Mg	24	18701.901900	116198851.669	ug/L	438.643
Mg	25	18338.072202	16050997.061	ug/L	536.130
Al	27	759.919987	7436735.451	ug/L	13.524
Si	28		28187068.869	ug/L	
P	31	26.746245	27989.165	ug/L	2.007
S	32		108035609.349	ug/L	
Cl	35		6756858.114	ug/L	
K	39	5437.934511	85433764.199	ug/L	191.107
Ca	44	49462.511604	24346124.056	ug/L	1588.497
Sc	45		255945.234	ug/L	
Ti	47	1.161121	1643.498	ug/L	0.045
Ti	48	48.570976	649054.427	ug/L	0.557
V	51	-0.558579	20306.190	ug/L	0.017
ClO	51		21042.202	ug/L	
Cr	52	0.068673	13156.766	ug/L	0.029
Cr	53	-1.913594	6893.348	ug/L	0.047
Fe	54	1191.470978	1448700.308	ug/L	54.184
Mn	55	492.289910	11374596.722	ug/L	9.926
Fe	56	1167.761467	26472470.898	ug/L	49.862
Fe	57	1304.759240	617542.734	ug/L	45.117
Co	59	0.806730	12949.012	ug/L	0.019
Ni	60	2.204828	7472.812	ug/L	0.048
Ni	62	0.861615	487.685	ug/L	0.041
Cu	63	1.665341	12454.651	ug/L	0.051
Zn	64	2.406175	10052.065	ug/L	0.027
Cu	65	0.717031	2677.088	ug/L	0.006
Zn	66	1.722351	4553.185	ug/L	0.037
Zn	68	2.831918	4985.750	ug/L	0.038
Ge	72		179206.592	ug/L	
As	75	9.866224	19560.997	ug/L	0.202
ArCl	77		633.695	ug/L	
Se	78	-1.807095	12009.633	ug/L	0.079
Br	79		48222.715	ug/L	

Br	81		73649.540	ug/L	
Se	82	0.610438	122.265	ug/L	0.063
Y	89		483336.361	ug/L	
Mo	95	0.991056	4886.698	ug/L	0.046
Rh	103		419429.628	ug/L	
Ag	107	-0.017088	319.676	ug/L	0.003
Ag	109	-0.018890	275.340	ug/L	0.001
Cd	111	0.013166	83.668	ug/L	0.002
Cd	114	0.010362	156.670	ug/L	0.002
In	115		528959.665	ug/L	
Sb	121	0.118710	1568.151	ug/L	0.012
Sb	123	0.121462	1224.247	ug/L	0.002
Ba	137	48.727592	255093.358	ug/L	0.562
Ba	138	48.495159	1622685.413	ug/L	0.786
Tb	159		577946.581	ug/L	
Ho	165		550272.370	ug/L	
Hg	200	0.018825	50.667	ug/L	0.004
Hg	202	0.014835	54.667	ug/L	0.002
Tl	205	0.007593	489.685	ug/L	0.000
Pb	208	0.000412	3120.911	ug/L	0.000
Bi	209		384220.735	ug/L	
Se	77	-0.394360	643.696	ug/L	0.059

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
>	Sc		107.451
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 90.838
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 91.842
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 95.129
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.05 MS
Sample Date/Time: Thursday, August 19, 2010 18:00:40
Autosampler Position: 46
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.05 MS.46452

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17809.430	ug/L	
Be	9	886.347387	446703.570	ug/L	8.749
B	10	18.012025	2373.667	ug/L	0.262
B	11	18.414620	12757.409	ug/L	0.628
C	12		14831001.347	ug/L	
Na	23	S	S	ug/L	S
Mg	24	26708.704542	159775169.853	ug/L	216.598
Mg	25	26662.256464	22469583.906	ug/L	399.502
Al	27	9511.680936	89586837.398	ug/L	216.168
Si	28		25701969.123	ug/L	
P	31	9508.298075	5238818.357	ug/L	80.759
S	32		113294935.802	ug/L	
Cl	35		9063136.616	ug/L	
K	39	14627.651188	219715814.737	ug/L	83.797
Ca	44	56377.986502	26718226.774	ug/L	547.316
Sc	45		246393.086	ug/L	
Ti	47	25.198129	30166.271	ug/L	0.394
Ti	48	55.587462	715067.618	ug/L	3.306
V	51	851.140847	14581913.173	ug/L	18.658
ClO	51		14868232.448	ug/L	
Cr	52	819.715921	11735523.051	ug/L	16.917
Cr	53	812.305215	1402372.966	ug/L	9.079
Fe	54	10162.093915	11288648.742	ug/L	155.061
Mn	55	1288.720381	28663642.461	ug/L	26.411
Fe	56	10333.708708	194014885.787	ug/L	196.017
Fe	57	10405.818902	4643996.722	ug/L	143.801
Co	59	807.358613	12368857.210	ug/L	8.299
Ni	60	779.519200	2487439.769	ug/L	7.020
Ni	62	785.372366	372173.760	ug/L	1.651
Cu	63	747.419669	5293893.151	ug/L	9.695
Zn	64	826.849586	2823241.891	ug/L	10.060
Cu	65	739.194734	2564535.055	ug/L	12.386
Zn	66	838.162651	1698851.430	ug/L	13.678
Zn	68	844.719305	1221275.802	ug/L	15.485
Ge	72		179943.443	ug/L	
As	75	1059.721784	2131529.106	ug/L	9.450
ArCl	77		179392.476	ug/L	
Se	78	1183.148590	582005.729	ug/L	1.147
Br	79		57234.882	ug/L	

Br	81		82880.992	ug/L	
Se	82	1148.516785	242912.594	ug/L	5.505
Y	89		463971.909	ug/L	
Mo	95	988.082294	4854813.753	ug/L	7.022
Rh	103		417835.918	ug/L	
Ag	107	825.066248	10762718.656	ug/L	6.401
Ag	109	814.012052	10078559.995	ug/L	3.437
Cd	111	943.219800	3094310.937	ug/L	9.004
Cd	114	951.434433	7185856.676	ug/L	1.129
In	115		517756.601	ug/L	
Sb	121	952.569623	9989817.788	ug/L	34.577
Sb	123	951.083212	7686266.841	ug/L	24.399
Ba	137	990.980259	5076862.698	ug/L	11.577
Ba	138	994.127692	32554805.276	ug/L	5.610
Tb	159		556256.930	ug/L	
Ho	165		535338.457	ug/L	
Hg	200	1.018207	2177.283	ug/L	0.027
Hg	202	0.982496	2759.447	ug/L	0.036
Tl	205	923.044829	25442141.313	ug/L	10.825
Pb	208	906.996213	34219033.661	ug/L	20.174
Bi	209		388920.299	ug/L	
Se	77	1052.378186	176850.415	ug/L	8.193

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		103.441
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 91.211
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 89.896
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 92.547
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.05 MSD
Sample Date/Time: Thursday, August 19, 2010 18:07:10
Autosampler Position: 47
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.05 MSD.46453

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17777.365	ug/L	
Be	9	902.473491	443886.005	ug/L	5.642
B	10	18.638430	2394.339	ug/L	0.476
B	11	18.766946	12681.299	ug/L	0.080
C	12		14999758.112	ug/L	
Na	23	S	S	ug/L	S
Mg	24	27435.742547	160174897.581	ug/L	125.674
Mg	25	27091.636505	22282474.450	ug/L	79.849
Al	27	9569.007854	87961753.544	ug/L	8.904
Si	28		25653842.191	ug/L	
P	31	9645.582407	5186405.002	ug/L	42.486
S	32		112853874.117	ug/L	
Cl	35		9067257.722	ug/L	
K	39	14790.290004	216805307.819	ug/L	62.767
Ca	44	57378.009849	26538628.043	ug/L	662.333
Sc	45		240461.374	ug/L	
Ti	47	25.639652	29952.235	ug/L	0.563
Ti	48	59.253686	743968.254	ug/L	1.147
V	51	863.822092	14443322.535	ug/L	2.333
ClO	51		14774076.582	ug/L	
Cr	52	832.498453	11631969.167	ug/L	1.242
Cr	53	823.279438	1386993.619	ug/L	4.399
Fe	54	10286.478957	11151016.563	ug/L	72.781
Mn	55	1315.385490	28553484.851	ug/L	6.487
Fe	56	10528.255396	192847417.810	ug/L	99.867
Fe	57	10612.585222	4622193.517	ug/L	65.434
Co	59	818.920853	12244406.123	ug/L	4.605
Ni	60	787.865654	2453642.820	ug/L	6.464
Ni	62	790.428548	365552.667	ug/L	1.214
Cu	63	756.763010	5231228.475	ug/L	2.335
Zn	64	842.645801	2807989.085	ug/L	3.094
Cu	65	749.084496	2536386.733	ug/L	0.409
Zn	66	851.160100	1683703.472	ug/L	3.217
Zn	68	859.408798	1212615.143	ug/L	9.704
Ge	72		179713.936	ug/L	
As	75	1052.171743	2113321.163	ug/L	14.670
ArCl	77		176628.791	ug/L	
Se	78	1171.943444	575801.444	ug/L	17.530
Br	79		56688.120	ug/L	

Br	81		82852.012	ug/L	
Se	82	1133.800697	239448.609	ug/L	23.770
Y	89		455775.483	ug/L	
Mo	95	979.814402	4806618.121	ug/L	29.028
Rh	103		407715.573	ug/L	
Ag	107	833.372497	10639237.070	ug/L	5.752
Ag	109	822.862952	9968912.640	ug/L	23.133
Cd	111	960.296489	3082952.822	ug/L	12.752
Cd	114	963.483234	7120912.814	ug/L	8.065
In	115		506680.060	ug/L	
Sb	121	977.328884	10026554.024	ug/L	41.614
Sb	123	974.594924	7705270.735	ug/L	47.396
Ba	137	1005.876532	5042968.375	ug/L	16.282
Ba	138	1010.068960	32368396.317	ug/L	15.705
Tb	159		551773.126	ug/L	
Ho	165		530290.044	ug/L	
Hg	200	1.016018	2152.276	ug/L	0.005
Hg	202	1.018918	2835.137	ug/L	0.037
Tl	205	926.037184	25285013.450	ug/L	0.941
Pb	208	907.950866	33933464.593	ug/L	6.043
Bi	209		381631.688	ug/L	
Se	77	1033.889238	173755.846	ug/L	0.517

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		100.950
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 91.095
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 87.973
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 91.674
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.06
Sample Date/Time: Thursday, August 19, 2010 18:33:14
Autosampler Position: 51
Sample Description: 34
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.06.46457

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17766.690	ug/L	
Be	9	0.011745	14.667	ug/L	0.008
B	10	29.548682	3876.866	ug/L	0.909
B	11	30.313913	20920.593	ug/L	0.484
C	12		829414.208	ug/L	
Na	23	15146.280608	133955198.012	ug/L	71.914
Mg	24	3782.499037	22852434.166	ug/L	21.643
Mg	25	3736.236419	3179929.060	ug/L	21.857
Al	27	15.711689	151927.623	ug/L	0.176
Si	28		29856198.364	ug/L	
P	31	3.110264	14095.663	ug/L	0.664
S	32		106012962.834	ug/L	
Cl	35		12130816.352	ug/L	
K	39	1778.168840	27796654.262	ug/L	16.772
Ca	44	13190.637060	6320067.675	ug/L	44.877
Sc	45		248826.101	ug/L	
Ti	47	1.841328	2414.678	ug/L	0.072
Ti	48	16.967387	220338.356	ug/L	0.008
V	51	0.143673	31871.098	ug/L	0.020
ClO	51		33054.996	ug/L	
Cr	52	0.325619	16504.895	ug/L	0.002
Cr	53	0.465237	10820.544	ug/L	0.029
Fe	54	4451.563414	5040135.665	ug/L	30.832
Mn	55	2158.015161	48473301.179	ug/L	1.647
Fe	56	4480.548801	87256126.259	ug/L	6.725
Fe	57	4494.881071	2034163.582	ug/L	105.442
Co	59	3.759778	58278.117	ug/L	0.020
Ni	60	3.912548	12767.422	ug/L	0.108
Ni	62	3.547745	1759.855	ug/L	0.165
Cu	63	0.792401	5866.284	ug/L	0.014
Zn	64	1.937691	8158.305	ug/L	0.011
Cu	65	0.641038	2336.324	ug/L	0.012
Zn	66	1.575305	4126.311	ug/L	0.012
Zn	68	1.889039	3471.698	ug/L	0.028
Ge	72		177228.353	ug/L	
As	75	0.483384	752.874	ug/L	0.004
ArCl	77		800.043	ug/L	
Se	78	-1.005514	12257.267	ug/L	0.231
Br	79		49248.168	ug/L	

Br	81		76809.077	ug/L	
Se	82	0.657483	130.970	ug/L	0.248
Y	89		524828.539	ug/L	
Mo	95	0.168866	852.715	ug/L	0.007
Rh	103		419222.958	ug/L	
Ag	107	0.849525	11686.624	ug/L	0.009
Ag	109	1.844826	23470.906	ug/L	1.419
Cd	111	0.049831	203.338	ug/L	0.004
Cd	114	0.045366	420.347	ug/L	0.002
In	115		520853.330	ug/L	
Sb	121	0.353960	4026.266	ug/L	0.018
Sb	123	0.358299	3130.596	ug/L	0.022
Ba	137	4.477783	23143.989	ug/L	0.050
Ba	138	4.489490	148317.431	ug/L	0.093
Tb	159		567939.192	ug/L	
Ho	165		546889.681	ug/L	
Hg	200	0.007447	25.667	ug/L	0.002
Hg	202	0.005372	27.334	ug/L	0.001
Tl	205	0.019111	811.044	ug/L	0.000
Pb	208	0.027480	4145.076	ug/L	0.001
Bi	209		416235.683	ug/L	
Se	77	0.677190	823.046	ug/L	0.234

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		104.462
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge 89.835
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In 90.434
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho 94.544
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

Sample ID: 91943.06
Sample Date/Time: Thursday, August 19, 2010 18:39:46
Autosampler Position: 52
Sample Description: 30
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.06.46458

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19045.271	ug/L	
Be	9	0.004421	11.667	ug/L	0.011
B	10	27.964560	3905.545	ug/L	1.118
B	11	29.319569	21528.354	ug/L	1.082
C	12		1859681.605	ug/L	
Na	23	14524.985190	136589859.638	ug/L	268.847
Mg	24	3666.598879	23553956.327	ug/L	60.911
Mg	25	3611.078343	3268150.655	ug/L	18.799
Al	27	1.690624	19730.028	ug/L	0.025
Si	28		29880261.830	ug/L	
P	31	-11.741260	6222.753	ug/L	0.476
S	32		104017047.332	ug/L	
Cl	35		985019.681	ug/L	
K	39	1733.564525	28837655.916	ug/L	53.106
Ca	44	12521.848608	6379690.955	ug/L	294.058
Sc	45		264589.928	ug/L	
Ti	47	1.032725	1535.478	ug/L	0.013
Ti	48	16.211862	223868.933	ug/L	0.298
V	51	-1.066216	11673.945	ug/L	0.018
ClO	51		12218.330	ug/L	
Cr	52	-0.013254	12345.792	ug/L	0.001
Cr	53	-3.890231	3488.371	ug/L	0.059
Fe	54	1879.867224	2313338.683	ug/L	15.935
Mn	55	2083.897068	49771737.882	ug/L	30.932
Fe	56	1859.164820	41022780.326	ug/L	36.104
Fe	57	1889.523615	917903.773	ug/L	35.718
Co	59	3.641892	60029.484	ug/L	0.057
Ni	60	3.676338	12768.422	ug/L	0.003
Ni	62	3.345800	1768.190	ug/L	0.038
Cu	63	0.877831	6887.678	ug/L	0.022
Zn	64	1.011965	5282.307	ug/L	0.037
Cu	65	0.715958	2763.781	ug/L	0.012
Zn	66	0.629726	2330.322	ug/L	0.029
Zn	68	0.940438	2219.293	ug/L	0.045
Ge	72		191852.626	ug/L	
As	75	0.366284	563.934	ug/L	0.026
ArCl	77		264.340	ug/L	
Se	78	-1.956482	12780.517	ug/L	0.241
Br	79		34866.081	ug/L	

Br	81		61082.471	ug/L	
Se	82	0.479696	101.357	ug/L	0.090
Y	89		547873.115	ug/L	
Mo	95	0.097179	547.355	ug/L	0.003
Rh	103		450756.713	ug/L	
Ag	107	-0.000908	563.690	ug/L	0.007
Ag	109	-0.005212	472.350	ug/L	0.004
Cd	111	0.059544	251.673	ug/L	0.004
Cd	114	0.056444	539.355	ug/L	0.004
In	115		556954.243	ug/L	
Sb	121	0.217288	2763.448	ug/L	0.013
Sb	123	0.220995	2154.138	ug/L	0.004
Ba	137	4.010697	22174.233	ug/L	0.007
Ba	138	4.038464	142702.545	ug/L	0.067
Tb	159		590862.707	ug/L	
Ho	165		570732.741	ug/L	
Hg	200	0.001089	12.333	ug/L	0.000
Hg	202	0.000261	13.333	ug/L	0.002
Tl	205	0.029971	1165.420	ug/L	0.001
Pb	208	-0.013311	2684.852	ug/L	0.000
Bi	209		424870.972	ug/L	
Se	77	-2.573246	279.007	ug/L	0.144

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		111.080
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 97.248
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 96.702
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 98.666
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.07
Sample Date/Time: Thursday, August 19, 2010 18:46:19
Autosampler Position: 53
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.07.46459

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		21427.891	ug/L	
Be	9	0.006932	11.667	ug/L	0.005
B	10	273.666637	33552.812	ug/L	4.316
B	11	289.602827	186953.234	ug/L	5.541
C	12		1477464.534	ug/L	
Na	23	S	S	ug/L	S
Mg	24	44544.614657	256687158.683	ug/L	860.463
Mg	25	45202.419019	36696071.007	ug/L	860.713
Al	27	8.179679	76572.107	ug/L	0.110
Si	28		28443016.642	ug/L	
P	31	87.345012	58050.559	ug/L	1.410
S	32		102442145.255	ug/L	
Cl	35		19714117.508	ug/L	
K	39	15621.098770	225961824.662	ug/L	187.939
Ca	44	40569.422883	18522941.344	ug/L	591.623
Sc	45		237345.044	ug/L	
Ti	47	1.891697	2361.330	ug/L	0.022
Ti	48	38.904758	482111.254	ug/L	0.194
V	51	1.044618	45238.398	ug/L	0.016
ClO	51		45791.498	ug/L	
Cr	52	0.126365	12998.473	ug/L	0.026
Cr	53	2.763420	14115.761	ug/L	0.217
Fe	54	5186.529782	5588321.467	ug/L	28.245
Mn	55	2094.519592	44876576.170	ug/L	20.906
Fe	56	5172.300257	95482202.471	ug/L	38.799
Fe	57	5311.413873	2290109.028	ug/L	49.044
Co	59	1.836293	27203.914	ug/L	0.003
Ni	60	18.040775	55605.770	ug/L	0.139
Ni	62	16.734763	7697.001	ug/L	0.037
Cu	63	2.414100	16660.756	ug/L	0.049
Zn	64	1.702812	7009.910	ug/L	0.017
Cu	65	0.312512	1130.748	ug/L	0.006
Zn	66	1.021349	2854.810	ug/L	0.020
Zn	68	6.512981	9747.654	ug/L	0.049
Ge	72		160243.960	ug/L	
As	75	12.858552	22849.123	ug/L	0.166
ArCl	77		1438.462	ug/L	
Se	78	0.771727	11843.198	ug/L	0.024
Br	79		1353031.120	ug/L	

Br	81		1448021.212	ug/L	
Se	82	18.670057	3510.872	ug/L	0.214
Y	89		445250.657	ug/L	
Mo	95	18.172350	79543.639	ug/L	0.227
Rh	103		379306.025	ug/L	
Ag	107	0.289905	3988.582	ug/L	0.021
Ag	109	0.280831	3676.782	ug/L	0.027
Cd	111	0.064210	230.339	ug/L	0.005
Cd	114	0.067075	537.688	ug/L	0.002
In	115		478569.399	ug/L	
Sb	121	0.318835	3357.987	ug/L	0.016
Sb	123	0.317637	2571.537	ug/L	0.025
Ba	137	246.580366	1167691.977	ug/L	2.022
Ba	138	239.567423	7251318.040	ug/L	2.640
Tb	159		527430.441	ug/L	
Ho	165		511333.781	ug/L	
Hg	200	0.021872	53.334	ug/L	0.002
Hg	202	0.015655	53.001	ug/L	0.006
Tl	205	0.010287	526.020	ug/L	0.000
Pb	208	0.038497	4272.429	ug/L	0.001
Bi	209		350533.847	ug/L	
Se	77	4.079203	1392.454	ug/L	0.403

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		99.642
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 81.226
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 83.092
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 88.397
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.08
Sample Date/Time: Thursday, August 19, 2010 18:52:52
Autosampler Position: 54
Sample Description: 34
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.08.46460

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18524.194	ug/L	
Be	9	0.022021	20.334	ug/L	0.011
B	10	6.300232	917.055	ug/L	0.438
B	11	6.834719	5188.866	ug/L	0.259
C	12		709147.975	ug/L	
Na	23	11554.923818	104726393.205	ug/L	92.435
Mg	24	8921.750651	55232378.711	ug/L	90.663
Mg	25	8686.532707	7576326.603	ug/L	59.252
Al	27	9.890962	98959.097	ug/L	0.032
Si	28		40297554.958	ug/L	
P	31	17.345047	22546.855	ug/L	0.084
S	32		104903625.870	ug/L	
Cl	35		11761171.050	ug/L	
K	39	3925.966420	61734263.237	ug/L	8.422
Ca	44	14602.408621	7168715.412	ug/L	99.155
Sc	45		255012.427	ug/L	
Ti	47	1.986967	2655.081	ug/L	0.046
Ti	48	17.907896	238455.137	ug/L	0.642
V	51	-0.010149	29938.864	ug/L	0.004
ClO	51		30857.270	ug/L	
Cr	52	-0.156235	9779.328	ug/L	0.015
Cr	53	-0.223215	9867.118	ug/L	0.033
Fe	54	4058.008903	4716095.029	ug/L	3.288
Mn	55	499.620274	11503642.375	ug/L	0.764
Fe	56	4046.325799	81147094.513	ug/L	58.469
Fe	57	4018.370443	1864845.077	ug/L	41.105
Co	59	0.118097	1983.903	ug/L	0.004
Ni	60	0.739525	2606.733	ug/L	0.018
Ni	62	0.296062	208.671	ug/L	0.005
Cu	63	0.259847	2108.599	ug/L	0.000
Zn	64	1.446753	6625.163	ug/L	0.044
Cu	65	0.158321	661.031	ug/L	0.005
Zn	66	1.094162	3219.936	ug/L	0.001
Zn	68	1.659831	3214.934	ug/L	0.006
Ge	72		172814.115	ug/L	
As	75	2.296371	4235.618	ug/L	0.044
ArCl	77		800.043	ug/L	
Se	78	-0.890163	12001.923	ug/L	0.538
Br	79		58946.946	ug/L	

Br	81		86896.369	ug/L	
Se	82	0.684815	133.065	ug/L	0.068
Y	89		462344.657	ug/L	
Mo	95	1.449862	6876.336	ug/L	0.011
Rh	103		412811.421	ug/L	
Ag	107	0.260540	3875.537	ug/L	0.029
Ag	109	0.251351	3560.402	ug/L	0.021
Cd	111	0.004833	53.667	ug/L	0.001
Cd	114	0.002302	91.001	ug/L	0.002
In	115		509511.930	ug/L	
Sb	121	0.163280	1972.234	ug/L	0.008
Sb	123	0.166556	1538.795	ug/L	0.011
Ba	137	12.630176	63728.226	ug/L	0.267
Ba	138	12.616649	406917.064	ug/L	0.234
Tb	159		549907.665	ug/L	
Ho	165		531343.008	ug/L	
Hg	200	0.002910	15.333	ug/L	0.002
Hg	202	0.001812	16.667	ug/L	0.001
Tl	205	0.001249	299.341	ug/L	0.000
Pb	208	0.004730	3175.252	ug/L	0.000
Bi	209		399142.196	ug/L	
Se	77	0.328635	764.707	ug/L	0.270

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌜	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		107.059
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 87.597
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 88.465
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 91.856
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 91943.08
Sample Date/Time: Thursday, August 19, 2010 18:59:21
Autosampler Position: 55
Sample Description: 30
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.08.46461

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19324.520	ug/L	
Be	9	0.000534	9.667	ug/L	0.005
B	10	4.927419	776.374	ug/L	0.120
B	11	5.398560	4419.452	ug/L	0.076
C	12		1389748.228	ug/L	
Na	23	11207.865747	106961636.378	ug/L	214.569
Mg	24	8663.115737	56477530.581	ug/L	89.681
Mg	25	8554.542659	7856958.660	ug/L	73.355
Al	27	1.573275	18801.381	ug/L	0.199
Si	28		41249155.654	ug/L	
P	31	-5.506443	10046.557	ug/L	0.979
S	32		104818977.668	ug/L	
Cl	35		671582.313	ug/L	
K	39	3943.802348	65291814.762	ug/L	60.458
Ca	44	14282.929880	7384066.244	ug/L	107.899
Sc	45		268534.247	ug/L	
Ti	47	1.387020	2017.244	ug/L	0.024
Ti	48	17.403330	243825.545	ug/L	0.662
V	51	-1.186048	9609.509	ug/L	0.028
ClO	51		9990.253	ug/L	
Cr	52	-0.209709	9465.901	ug/L	0.011
Cr	53	-4.260272	2847.475	ug/L	0.078
Fe	54	2665.182684	3291973.084	ug/L	10.454
Mn	55	495.704784	12017869.066	ug/L	2.861
Fe	56	2678.548670	58053286.703	ug/L	16.575
Fe	57	2724.031822	1336150.871	ug/L	40.496
Co	59	0.110747	1966.899	ug/L	0.002
Ni	60	0.769112	2848.141	ug/L	0.017
Ni	62	0.354541	250.006	ug/L	0.008
Cu	63	0.492511	4016.261	ug/L	0.003
Zn	64	0.805071	4593.350	ug/L	0.045
Cu	65	0.387028	1561.150	ug/L	0.001
Zn	66	0.442098	1950.895	ug/L	0.004
Zn	68	0.974294	2306.316	ug/L	0.031
Ge	72		188728.342	ug/L	
As	75	1.225244	2367.070	ug/L	0.020
ArCl	77		220.672	ug/L	
Se	78	-2.123094	12488.410	ug/L	0.127
Br	79		39230.523	ug/L	

Br	81		64836.044	ug/L	
Se	82	0.333947	67.251	ug/L	0.059
Y	89		492366.007	ug/L	
Mo	95	0.299008	1578.486	ug/L	0.001
Rh	103		441272.493	ug/L	
Ag	107	-0.012182	398.013	ug/L	0.003
Ag	109	-0.014931	336.676	ug/L	0.001
Cd	111	0.009561	74.001	ug/L	0.002
Cd	114	0.010591	164.003	ug/L	0.000
In	115		547125.813	ug/L	
Sb	121	0.203347	2560.720	ug/L	0.005
Sb	123	0.199417	1931.922	ug/L	0.009
Ba	137	11.439701	62002.017	ug/L	0.176
Ba	138	11.317215	392072.813	ug/L	0.090
Tb	159		582723.072	ug/L	
Ho	165		557169.670	ug/L	
Hg	200	0.001820	13.667	ug/L	0.000
Hg	202	0.001203	15.667	ug/L	0.002
Tl	205	0.012205	628.361	ug/L	0.001
Pb	208	-0.017105	2471.825	ug/L	0.001
Bi	209		393964.516	ug/L	
Se	77	-2.931739	219.005	ug/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		112.736
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 95.664
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 94.996
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 96.321
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 91943.09
Sample Date/Time: Thursday, August 19, 2010 19:34:05
Autosampler Position: 56
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.09.46466

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16514.988	ug/L	
Be	9	0.073096	46.001	ug/L	0.012
B	10	446.026105	57366.350	ug/L	2.706
B	11	459.691365	311338.807	ug/L	1.522
C	12		1164653.423	ug/L	
Na	23	S	S	ug/L	S
Mg	24	21426.147817	129649689.690	ug/L	238.843
Mg	25	21295.531253	18153986.548	ug/L	343.466
Al	27	23.022762	221812.156	ug/L	0.101
Si	28		41872618.178	ug/L	
P	31	337.844462	200230.970	ug/L	1.124
S	32		101441959.919	ug/L	
Cl	35		14266660.238	ug/L	
K	39	33270.927150	504298448.148	ug/L	278.463
Ca	44	59461.167165	28502551.827	ug/L	145.682
Sc	45		249215.166	ug/L	
Ti	47	3.931564	4933.054	ug/L	0.013
Ti	48	59.129889	769521.226	ug/L	1.168
V	51	1.193356	50074.035	ug/L	0.009
ClO	51		51504.673	ug/L	
Cr	52	0.540326	19636.538	ug/L	0.009
Cr	53	0.968022	11708.986	ug/L	0.007
Fe	54	34273.791321	38315483.448	ug/L	316.708
Mn	55	2857.192876	64277228.645	ug/L	4.348
Fe	56	34836.628382	651931334.928	ug/L	110.712
Fe	57	34339.406395	15468472.289	ug/L	75.973
Co	59	0.988774	15430.906	ug/L	0.010
Ni	60	7.769876	25237.903	ug/L	0.010
Ni	62	6.048841	2960.845	ug/L	0.024
Cu	63	1.574497	11479.025	ug/L	0.009
Zn	64	6.627201	24359.046	ug/L	0.021
Cu	65	0.367092	1378.785	ug/L	0.005
Zn	66	6.365102	13947.163	ug/L	0.035
Zn	68	8.798131	13574.930	ug/L	0.007
Ge	72		173713.326	ug/L	
As	75	7.012364	13416.655	ug/L	0.014
ArCl	77		1175.754	ug/L	
Se	78	-0.241494	12368.328	ug/L	0.374
Br	79		562908.069	ug/L	

Br	81		612234.469	ug/L	
Se	82	7.089003	1441.281	ug/L	0.164
Y	89		446377.646	ug/L	
Mo	95	0.330205	1600.824	ug/L	0.007
Rh	103		389509.592	ug/L	
Ag	107	0.253572	3550.063	ug/L	0.015
Ag	109	0.253929	3368.993	ug/L	0.020
Cd	111	0.010659	68.001	ug/L	0.003
Cd	114	0.020238	210.671	ug/L	0.003
In	115		478242.308	ug/L	
Sb	121	0.192972	2137.940	ug/L	0.007
Sb	123	0.202703	1713.319	ug/L	0.004
Ba	137	106.553027	504305.207	ug/L	0.144
Ba	138	103.913393	3143617.878	ug/L	0.490
Tb	159		523194.495	ug/L	
Ho	165		504696.585	ug/L	
Hg	200	0.010266	29.334	ug/L	0.000
Hg	202	0.006803	29.000	ug/L	0.002
Tl	205	-0.000007	251.673	ug/L	0.000
Pb	208	0.016657	3440.290	ug/L	0.001
Bi	209		352519.988	ug/L	
Se	77	2.493695	1127.081	ug/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		104.625
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 88.053
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 83.036
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 87.250
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.09 MS
Sample Date/Time: Thursday, August 19, 2010 19:40:37
Autosampler Position: 57
Sample Description: pre
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.09 MS.46467

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17001.221	ug/L	
Be	9	827.838452	417655.304	ug/L	0.297
B	10	452.921522	57652.161	ug/L	3.165
B	11	463.139424	310447.702	ug/L	4.339
C	12		1860758.679	ug/L	
Na	23	S	S	ug/L	S
Mg	24	31041.882657	185897376.828	ug/L	215.835
Mg	25	30936.254468	26100741.041	ug/L	386.097
Al	27	9144.277620	86225422.340	ug/L	128.160
Si	28		42629523.559	ug/L	
P	31	8757.453299	4831407.964	ug/L	100.418
S	32		105101880.869	ug/L	
Cl	35		15306863.262	ug/L	
K	39	43704.041170	655346355.603	ug/L	676.627
Ca	44	71612.665481	33972149.538	ug/L	326.417
Sc	45		246646.585	ug/L	
Ti	47	26.770869	32070.122	ug/L	0.104
Ti	48	70.489486	908062.533	ug/L	3.216
V	51	856.813728	14695570.386	ug/L	9.901
ClO	51		15072765.167	ug/L	
Cr	52	816.102876	11696572.774	ug/L	1.747
Cr	53	808.308204	1396975.037	ug/L	2.541
Fe	54	44359.421636	49057155.101	ug/L	33.022
Mn	55	3849.961629	85719486.383	ug/L	13.847
Fe	56	45623.429723	843769995.844	ug/L	138.716
Fe	57	45169.203041	20133800.098	ug/L	472.643
Co	59	804.854560	12343819.917	ug/L	4.690
Ni	60	775.840966	2478397.965	ug/L	6.375
Ni	62	774.175679	367268.350	ug/L	9.365
Cu	63	720.415991	5108447.674	ug/L	12.346
Zn	64	740.703975	2532165.615	ug/L	14.996
Cu	65	706.244763	2453045.185	ug/L	12.620
Zn	66	744.691540	1511147.616	ug/L	4.045
Zn	68	771.590532	1116864.190	ug/L	8.658
Ge	72		180551.424	ug/L	
As	75	948.354414	1913857.654	ug/L	4.595
ArCl	77		148207.810	ug/L	
Se	78	974.419854	483193.907	ug/L	15.799
Br	79		514779.989	ug/L	

Br	81		562434.164	ug/L	
Se	82	930.882832	197531.231	ug/L	14.156
Y	89		433320.373	ug/L	
Mo	95	1002.212844	4940776.950	ug/L	1.018
Rh	103		386565.394	ug/L	
Ag	107	431.739298	5206854.582	ug/L	16.279
Ag	109	440.214254	5039066.019	ug/L	1.024
Cd	111	989.383772	3000889.597	ug/L	3.013
Cd	114	993.534158	6937295.301	ug/L	3.007
In	115		478667.906	ug/L	
Sb	121	1053.375323	10210967.214	ug/L	7.732
Sb	123	1049.111655	7837317.374	ug/L	6.944
Ba	137	1151.681987	5455056.684	ug/L	0.818
Ba	138	1154.641077	34957718.261	ug/L	2.099
Tb	159		529107.776	ug/L	
Ho	165		506529.048	ug/L	
Hg	200	0.956461	1935.892	ug/L	0.002
Hg	202	0.916411	2436.351	ug/L	0.003
Tl	205	944.904248	24644205.785	ug/L	4.292
Pb	208	935.457113	33396588.667	ug/L	11.230
Bi	209		344352.759	ug/L	
Se	77	868.534431	146079.756	ug/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		103.547
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 91.519
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 83.110
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 87.567
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 91943.09 MSD
Sample Date/Time: Thursday, August 19, 2010 19:47:09
Autosampler Position: 58
Sample Description: pre
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.09 MSD.46468

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16636.544	ug/L	
Be	9	827.495322	413282.735	ug/L	1.987
B	10	454.706305	57295.904	ug/L	3.628
B	11	465.908244	309152.996	ug/L	5.117
C	12		1830174.694	ug/L	
Na	23	S	S	ug/L	S
Mg	24	30943.406982	183441049.944	ug/L	271.089
Mg	25	30796.453794	25720353.686	ug/L	224.270
Al	27	9165.134115	85549212.951	ug/L	106.126
Si	28		42297010.212	ug/L	
P	31	8753.506180	4780546.319	ug/L	133.210
S	32		105369190.981	ug/L	
Cl	35		15032791.786	ug/L	
K	39	43474.481874	645318358.016	ug/L	425.113
Ca	44	71435.422183	33547643.447	ug/L	1291.592
Sc	45		244166.177	ug/L	
Ti	47	26.704964	31669.062	ug/L	0.706
Ti	48	71.558437	912327.452	ug/L	2.151
V	51	855.377221	14522935.067	ug/L	8.806
ClO	51		14778628.962	ug/L	
Cr	52	811.583909	11515081.789	ug/L	12.232
Cr	53	799.330314	1367712.345	ug/L	5.977
Fe	54	44615.582316	48844894.736	ug/L	673.861
Mn	55	3841.883828	84679313.933	ug/L	34.045
Fe	56	45680.907845	836340165.073	ug/L	629.031
Fe	57	44959.069589	19837868.809	ug/L	197.510
Co	59	805.829029	12234360.242	ug/L	7.892
Ni	60	776.820589	2456521.932	ug/L	7.776
Ni	62	775.060319	363969.665	ug/L	0.638
Cu	63	725.395567	5091765.011	ug/L	11.164
Zn	64	738.130357	2497852.432	ug/L	14.887
Cu	65	706.741122	2429931.486	ug/L	7.920
Zn	66	737.645554	1481790.131	ug/L	6.301
Zn	68	766.645146	1098510.412	ug/L	6.516
Ge	72		180170.536	ug/L	
As	75	941.653369	1896395.731	ug/L	5.489
ArCl	77		147748.758	ug/L	
Se	78	973.468176	481755.651	ug/L	6.227
Br	79		505598.683	ug/L	

Br	81		552285.987	ug/L	
Se	82	923.625479	195596.476	ug/L	4.072
Y	89		432214.924	ug/L	
Mo	95	1001.244922	4925748.905	ug/L	15.754
Rh	103		381400.887	ug/L	
Ag	107	448.865408	5406727.756	ug/L	18.209
Ag	109	438.987877	5018338.632	ug/L	31.286
Cd	111	991.110419	3002371.935	ug/L	2.345
Cd	114	997.381338	6955491.631	ug/L	1.409
In	115		478073.808	ug/L	
Sb	121	1057.450496	10237600.743	ug/L	1.945
Sb	123	1048.239844	7820996.472	ug/L	0.465
Ba	137	1135.992253	5374000.945	ug/L	11.921
Ba	138	1141.132751	34505692.174	ug/L	1.955
Tb	159		521633.548	ug/L	
Ho	165		498375.032	ug/L	
Hg	200	0.964119	1919.889	ug/L	0.005
Hg	202	0.948627	2481.030	ug/L	0.000
Tl	205	959.209209	24614714.448	ug/L	9.189
Pb	208	948.904275	33330564.280	ug/L	0.135
Bi	209		342888.189	ug/L	
Se	77	864.980947	145484.995	ug/L	1.889

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		102.506
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 91.326
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 83.006
Sb
Sb
Ba
Ba
Tb
> Ho 86.157
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 91943.09 MS
Sample Date/Time: Thursday, August 19, 2010 20:00:15
Autosampler Position: 60
Sample Description: post
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.09 MS.46470

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16210.440	ug/L	
Be	9	793.295165	392156.144	ug/L	5.212
B	10	413.490150	51582.194	ug/L	8.653
B	11	423.874675	278444.369	ug/L	7.676
C	12		1922309.904	ug/L	
Na	23	S	S	ug/L	S
Mg	24	29144.313825	171009517.627	ug/L	232.780
Mg	25	28862.429583	23859539.865	ug/L	363.988
Al	27	9114.174482	84203338.136	ug/L	69.337
Si	28		38179969.963	ug/L	
P	31	8770.705003	4740960.443	ug/L	86.078
S	32		104629633.005	ug/L	
Cl	35		15947964.034	ug/L	
K	39	40529.953354	595526962.381	ug/L	373.361
Ca	44	66367.067946	30848997.583	ug/L	537.627
Sc	45		241660.823	ug/L	
Ti	47	26.153569	30700.726	ug/L	0.210
Ti	48	64.893101	818802.346	ug/L	0.976
V	51	834.625825	14025999.277	ug/L	3.035
ClO	51		14374656.474	ug/L	
Cr	52	792.976558	11135380.680	ug/L	2.284
Cr	53	783.449377	1326841.063	ug/L	10.318
Fe	54	41575.936352	45055192.709	ug/L	121.035
Mn	55	3556.614319	77580736.497	ug/L	37.114
Fe	56	42315.800805	767007631.294	ug/L	371.384
Fe	57	41960.602937	18324091.204	ug/L	511.003
Co	59	784.649474	11789937.536	ug/L	4.224
Ni	60	759.257749	2376154.693	ug/L	7.219
Ni	62	755.615469	351188.157	ug/L	3.526
Cu	63	709.006875	4925775.887	ug/L	5.041
Zn	64	728.757859	2441049.698	ug/L	12.439
Cu	65	690.736749	2350570.283	ug/L	3.320
Zn	66	728.466312	1448376.952	ug/L	3.807
Zn	68	750.398842	1064232.700	ug/L	3.602
Ge	72		176571.816	ug/L	
As	75	921.582748	1818853.945	ug/L	1.837
ArCl	77		144041.940	ug/L	
Se	78	966.961674	468991.271	ug/L	20.344
Br	79		548032.573	ug/L	

Br	81		594736.191	ug/L	
Se	82	919.236133	190758.478	ug/L	11.473
Y	89		428834.127	ug/L	
Mo	95	986.515691	4756048.727	ug/L	4.629
Rh	103		382927.916	ug/L	
Ag	107	819.902378	9805209.520	ug/L	18.020
Ag	109	841.370812	9550223.226	ug/L	8.713
Cd	111	966.352481	2906734.378	ug/L	0.542
Cd	114	968.184127	6704199.571	ug/L	0.673
In	115		474700.383	ug/L	
Sb	121	1011.762995	9726667.471	ug/L	9.041
Sb	123	1012.273655	7499813.999	ug/L	11.134
Ba	137	1105.475428	5192933.643	ug/L	5.173
Ba	138	1102.785752	33111127.688	ug/L	1.195
Tb	159		514685.909	ug/L	
Ho	165		493709.281	ug/L	
Hg	200	0.962962	1899.551	ug/L	0.020
Hg	202	0.975442	2526.710	ug/L	0.039
Tl	205	940.660954	23911970.945	ug/L	6.811
Pb	208	930.914208	32391424.098	ug/L	12.873
Bi	209		346082.349	ug/L	
Se	77	835.936295	140623.677	ug/L	1.851

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		101.454
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
> Ge 89.502
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
> In 82.421
| Sb
| Sb
| Ba
└ Ba
┌ Tb
> Ho 85.350
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.09 MSD
Sample Date/Time: Thursday, August 19, 2010 20:06:49
Autosampler Position: 61
Sample Description: post
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.09 MSD.46471

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16341.341	ug/L	
Be	9	802.611674	392766.019	ug/L	7.439
B	10	426.003475	52602.950	ug/L	0.428
B	11	441.227671	286894.954	ug/L	0.756
C	12		1952395.156	ug/L	
Na	23	S	S	ug/L	S
Mg	24	29987.586751	174181357.143	ug/L	368.006
Mg	25	29762.862627	24355071.501	ug/L	286.356
Al	27	9257.013328	84661415.463	ug/L	78.703
Si	28		39374392.905	ug/L	
P	31	8877.367912	4750098.297	ug/L	61.289
S	32		101388497.897	ug/L	
Cl	35		16570931.939	ug/L	
K	39	41618.084127	605349624.779	ug/L	2.029
Ca	44	68012.875318	31296828.184	ug/L	140.415
Sc	45		239248.788	ug/L	
Ti	47	25.268263	29374.681	ug/L	0.178
Ti	48	65.261642	815171.197	ug/L	2.421
V	51	827.628413	13768800.245	ug/L	8.410
ClO	51		13992079.010	ug/L	
Cr	52	785.658112	10922631.120	ug/L	2.707
Cr	53	773.536425	1297214.069	ug/L	0.115
Fe	54	41817.712265	44864269.547	ug/L	140.624
Mn	55	3581.866916	77361738.953	ug/L	42.630
Fe	56	42552.586816	763666628.463	ug/L	478.103
Fe	57	42075.597173	18193400.736	ug/L	478.295
Co	59	775.293158	11533900.894	ug/L	5.450
Ni	60	751.458690	2328553.663	ug/L	8.368
Ni	62	748.942690	344640.428	ug/L	7.281
Cu	63	703.636997	4839449.295	ug/L	0.207
Zn	64	724.731534	2403016.483	ug/L	2.707
Cu	65	693.039622	2334680.173	ug/L	6.710
Zn	66	725.107389	1427158.585	ug/L	10.767
Zn	68	751.875205	1055550.627	ug/L	14.154
Ge	72		177456.639	ug/L	
As	75	912.639896	1810226.549	ug/L	3.949
ArCl	77		139996.790	ug/L	
Se	78	933.243883	455410.797	ug/L	7.169
Br	79		557886.905	ug/L	

Br	81		605354.207	ug/L	
Se	82	900.956322	187918.789	ug/L	1.957
Y	89		428964.739	ug/L	
Mo	95	968.465330	4692356.373	ug/L	12.981
Rh	103		384561.486	ug/L	
Ag	107	831.961254	9946737.656	ug/L	9.947
Ag	109	838.528730	9516414.618	ug/L	15.764
Cd	111	953.212595	2866337.011	ug/L	3.569
Cd	114	957.071830	6625113.432	ug/L	0.753
In	115		474547.384	ug/L	
Sb	121	1001.468402	9624370.288	ug/L	4.482
Sb	123	992.276376	7349005.643	ug/L	3.742
Ba	137	1091.447637	5125244.191	ug/L	0.494
Ba	138	1093.515636	32821651.258	ug/L	2.240
Tb	159		516161.458	ug/L	
Ho	165		490363.200	ug/L	
Hg	200	0.954242	1869.878	ug/L	0.027
Hg	202	0.978542	2517.707	ug/L	0.016
Tl	205	935.173489	23611513.917	ug/L	5.886
Pb	208	924.294498	31943981.354	ug/L	4.549
Bi	209		340776.578	ug/L	
Se	77	819.081394	137802.605	ug/L	1.287

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		100.441
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 89.951
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 82.394
Sb
Sb
Ba
Ba
Tb
Ho 84.772
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 91943.03
Sample Date/Time: Friday, August 20, 2010 10:52:42
Autosampler Position: 123
Sample Description: 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.03.46566

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18485.448	ug/L	
Be	9	-0.004467	5.667	ug/L	0.003
B	10	15.675629	1849.873	ug/L	0.683
B	11	16.981434	10511.178	ug/L	0.011
C	12		558305.771	ug/L	
Na	23	7554.382071	58937661.840	ug/L	94.170
Mg	24	2493.313232	13286731.052	ug/L	4.169
Mg	25	2556.823441	1919462.211	ug/L	21.661
Al	27	15.548107	132594.370	ug/L	0.949
Si	28		3730349.924	ug/L	
P	31	25.736202	23509.385	ug/L	1.787
S	32		91226258.472	ug/L	
Cl	35		10416400.364	ug/L	
K	39	930.942233	13228898.602	ug/L	4.372
Ca	44	4863.056409	2060137.390	ug/L	39.109
Sc	45		219477.880	ug/L	
Ti	47	1.103025	1348.113	ug/L	0.000
Ti	48	7.310501	83662.679	ug/L	0.158
V	51	-0.126768	23991.188	ug/L	0.006
ClO	51		25067.431	ug/L	
Cr	52	0.102026	11710.753	ug/L	0.021
Cr	53	-0.357636	8288.194	ug/L	0.089
Fe	54	739.183951	798295.707	ug/L	0.653
Mn	55	27.906649	555050.075	ug/L	0.394
Fe	56	665.859102	14484740.230	ug/L	14.472
Fe	57	698.786014	289471.959	ug/L	15.729
Co	59	0.032877	545.022	ug/L	0.001
Ni	60	0.528982	1645.499	ug/L	0.018
Ni	62	0.443595	242.006	ug/L	0.062
Cu	63	0.263127	1835.537	ug/L	0.002
Zn	64	7.401918	23811.123	ug/L	0.280
Cu	65	0.183915	648.363	ug/L	0.010
Zn	66	7.571496	14462.316	ug/L	0.267
Zn	68	7.528449	10321.963	ug/L	0.191
Ge	72		178276.402	ug/L	
As	75	3.587026	6942.466	ug/L	0.052
ArCl	77		646.363	ug/L	
Se	78	0.881298	13228.059	ug/L	0.112
Br	79		18735.160	ug/L	

Br	81		42808.649	ug/L	
Se	82	0.095490	13.658	ug/L	0.102
Y	89		472364.179	ug/L	
Mo	95	0.240317	1205.425	ug/L	0.012
Rh	103		420070.524	ug/L	
Ag	107	-0.014238	349.010	ug/L	0.001
Ag	109	-0.014175	327.343	ug/L	0.004
Cd	111	0.011441	76.001	ug/L	0.002
Cd	114	0.012426	168.670	ug/L	0.000
In	115		516568.445	ug/L	
Sb	121	0.025047	552.689	ug/L	0.003
Sb	123	0.028165	443.713	ug/L	0.008
Ba	137	7.922220	40562.730	ug/L	0.172
Ba	138	7.910546	258892.030	ug/L	0.200
Tb	159		547074.370	ug/L	
Ho	165		526140.230	ug/L	
Hg	200	0.006010	21.667	ug/L	0.001
Hg	202	0.005270	26.000	ug/L	0.001
Tl	205	0.004029	371.678	ug/L	0.000
Pb	208	0.531916	22714.400	ug/L	0.150
Bi	209		409481.684	ug/L	
Se	77	-0.400335	642.696	ug/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		92.141
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 90.366
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 89.690
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 90.957
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.04
Sample Date/Time: Friday, August 20, 2010 10:59:15
Autosampler Position: 124
Sample Description: 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.04.46567

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18906.313	ug/L	
Be	9	-0.000776	7.333	ug/L	0.002
B	10	2.304289	338.010	ug/L	0.237
B	11	2.296973	1765.522	ug/L	0.006
C	12		564088.973	ug/L	
Na	23	10309.655699	80444376.560	ug/L	66.780
Mg	24	2249.826880	11991519.530	ug/L	6.107
Mg	25	2311.289429	1735517.935	ug/L	9.238
Al	27	12.086377	103607.423	ug/L	0.141
Si	28		2537670.216	ug/L	
P	31	7.374452	14526.394	ug/L	1.270
S	32		92591767.628	ug/L	
Cl	35		10891653.490	ug/L	
K	39	601.342068	8839597.798	ug/L	8.537
Ca	44	5984.928923	2534171.621	ug/L	52.526
Sc	45		219518.770	ug/L	
Ti	47	0.588563	803.377	ug/L	0.040
Ti	48	8.185012	93696.115	ug/L	0.017
V	51	-0.062983	24969.519	ug/L	0.057
ClO	51		25897.766	ug/L	
Cr	52	0.104630	11745.199	ug/L	0.010
Cr	53	-0.273883	8417.313	ug/L	0.086
Fe	54	114.023331	184138.197	ug/L	1.864
Mn	55	48.757599	968348.428	ug/L	0.172
Fe	56	94.785029	5133395.704	ug/L	3.149
Fe	57	123.680301	61570.605	ug/L	0.300
Co	59	0.026755	461.683	ug/L	0.001
Ni	60	0.214872	753.039	ug/L	0.007
Ni	62	0.099502	96.668	ug/L	0.019
Cu	63	0.252503	1768.523	ug/L	0.021
Zn	64	3.024371	10501.606	ug/L	0.006
Cu	65	0.112604	428.014	ug/L	0.014
Zn	66	3.018898	6245.874	ug/L	0.024
Zn	68	3.087585	4605.546	ug/L	0.038
Ge	72		178083.351	ug/L	
As	75	0.872030	1529.832	ug/L	0.073
ArCl	77		708.368	ug/L	
Se	78	0.873305	13210.551	ug/L	0.507
Br	79		9250.471	ug/L	

Br	81		32632.464	ug/L	
Se	82	0.011547	-3.957	ug/L	0.000
Y	89		473929.013	ug/L	
Mo	95	0.102668	534.688	ug/L	0.004
Rh	103		426305.237	ug/L	
Ag	107	-0.015756	330.009	ug/L	0.000
Ag	109	-0.016192	303.008	ug/L	0.000
Cd	111	0.027021	127.336	ug/L	0.006
Cd	114	0.027907	286.007	ug/L	0.001
In	115		517812.110	ug/L	
Sb	121	0.046317	776.710	ug/L	0.028
Sb	123	0.025519	423.251	ug/L	0.004
Ba	137	4.161305	21387.679	ug/L	0.054
Ba	138	4.157939	136594.676	ug/L	0.003
Tb	159		554931.987	ug/L	
Ho	165		531256.859	ug/L	
Hg	200	0.004174	18.000	ug/L	0.003
Hg	202	0.001574	16.000	ug/L	0.001
Tl	205	0.003030	348.010	ug/L	0.000
Pb	208	0.594805	25266.728	ug/L	0.007
Bi	209		411757.903	ug/L	
Se	77	-0.101578	692.700	ug/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		92.158
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 90.268
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 89.906
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 91.841
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.05
Sample Date/Time: Friday, August 20, 2010 11:05:48
Autosampler Position: 125
Sample Description: 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.05.46568

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18786.074	ug/L	
Be	9	0.001119	8.333	ug/L	0.005
B	10	2.455031	361.677	ug/L	0.086
B	11	2.599824	1981.903	ug/L	0.037
C	12		568108.632	ug/L	
Na	23	9268.938107	73663638.882	ug/L	32.618
Mg	24	2215.890471	12028994.004	ug/L	1.147
Mg	25	2277.265637	1741588.473	ug/L	16.434
Al	27	5.958497	53147.014	ug/L	0.272
Si	28		2800625.106	ug/L	
P	31	1.584597	11905.681	ug/L	2.223
S	32		91328727.349	ug/L	
Cl	35		10945442.884	ug/L	
K	39	634.972944	9459184.792	ug/L	3.290
Ca	44	5777.576834	2491823.057	ug/L	4.286
Sc	45		223575.843	ug/L	
Ti	47	0.243710	446.015	ug/L	0.024
Ti	48	7.717123	89964.705	ug/L	0.158
V	51	-0.079213	25177.401	ug/L	0.004
ClO	51		26432.970	ug/L	
Cr	52	0.059332	11374.117	ug/L	0.004
Cr	53	-0.140131	8780.661	ug/L	0.121
Fe	54	167.691504	241248.736	ug/L	0.626
Mn	55	60.422973	1221676.740	ug/L	0.118
Fe	56	145.805552	6079609.670	ug/L	4.587
Fe	57	175.744032	83728.824	ug/L	1.609
Co	59	0.123555	1815.866	ug/L	0.007
Ni	60	0.281207	959.060	ug/L	0.001
Ni	62	0.130975	112.002	ug/L	0.029
Cu	63	0.183103	1355.448	ug/L	0.007
Zn	64	2.886165	10267.736	ug/L	0.050
Cu	65	0.070305	302.675	ug/L	0.001
Zn	66	2.874134	6095.104	ug/L	0.040
Zn	68	3.015979	4596.875	ug/L	0.008
Ge	72		179270.325	ug/L	
As	75	0.970410	1737.455	ug/L	0.066
ArCl	77		683.032	ug/L	
Se	78	0.618264	13175.862	ug/L	0.103
Br	79		9059.610	ug/L	

Br	81		32293.940	ug/L	
Se	82	0.051262	4.386	ug/L	0.003
Y	89		471985.127	ug/L	
Mo	95	0.131014	677.032	ug/L	0.003
Rh	103		421900.238	ug/L	
Ag	107	-0.017556	307.342	ug/L	0.001
Ag	109	-0.017840	283.341	ug/L	0.001
Cd	111	0.014561	86.668	ug/L	0.000
Cd	114	0.015527	193.004	ug/L	0.002
In	115		519198.594	ug/L	
Sb	121	0.025520	560.356	ug/L	0.005
Sb	123	0.030239	462.502	ug/L	0.014
Ba	137	5.745823	29584.702	ug/L	0.143
Ba	138	5.740919	188940.296	ug/L	0.127
Tb	159		555288.442	ug/L	
Ho	165		535541.644	ug/L	
Hg	200	0.003635	17.000	ug/L	0.000
Hg	202	0.001052	14.667	ug/L	0.001
Tl	205	0.003774	371.345	ug/L	0.000
Pb	208	0.487131	21407.155	ug/L	0.005
Bi	209		416406.678	ug/L	
Se	77	-0.131454	687.700	ug/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		93.861
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 90.870
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 90.147
Sb
Sb
Ba
Ba
Tb
Ho 92.582
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 91943.07
Sample Date/Time: Friday, August 20, 2010 11:12:22
Autosampler Position: 126
Sample Description: 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.07.46569

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19476.842	ug/L	
Be	9	0.000831	8.333	ug/L	0.000
B	10	33.635006	4011.592	ug/L	2.126
B	11	34.756433	21802.684	ug/L	2.521
C	12		645521.701	ug/L	
Na	23	18978.486358	153022272.323	ug/L	1094.490
Mg	24	5165.433345	28446623.709	ug/L	355.615
Mg	25	5166.930696	4009231.325	ug/L	316.157
Al	27	1.288789	13437.934	ug/L	0.042
Si	28		2904569.708	ug/L	
P	31	6.625633	14653.288	ug/L	0.897
S	32		92576174.538	ug/L	
Cl	35		11101364.039	ug/L	
K	39	1741.775306	24843170.211	ug/L	93.241
Ca	44	4469.376775	1958238.434	ug/L	195.919
Sc	45		227075.811	ug/L	
Ti	47	0.185894	389.346	ug/L	0.016
Ti	48	5.729506	67755.037	ug/L	0.233
V	51	-0.060666	25844.278	ug/L	0.076
ClO	51		26384.162	ug/L	
Cr	52	0.047353	11389.567	ug/L	0.022
Cr	53	-0.268430	8708.590	ug/L	0.264
Fe	54	614.622036	698809.832	ug/L	30.307
Mn	55	236.464316	4845300.075	ug/L	11.580
Fe	56	567.613142	13310126.891	ug/L	44.329
Fe	57	598.792103	258358.613	ug/L	23.597
Co	59	0.210728	3073.217	ug/L	0.008
Ni	60	2.162239	6501.389	ug/L	0.088
Ni	62	1.871332	873.051	ug/L	0.090
Cu	63	0.295059	2105.932	ug/L	0.014
Zn	64	2.316534	8633.156	ug/L	0.072
Cu	65	0.068699	301.675	ug/L	0.012
Zn	66	2.290844	5098.147	ug/L	0.109
Zn	68	2.905105	4518.835	ug/L	0.108
Ge	72		181987.711	ug/L	
As	75	1.182883	2196.614	ug/L	0.034
ArCl	77		724.703	ug/L	
Se	78	0.021445	13083.708	ug/L	0.429
Br	79		138308.280	ug/L	

Br	81		168415.382	ug/L	
Se	82	1.460802	306.060	ug/L	0.058
Y	89		477035.162	ug/L	
Mo	95	1.611782	8043.304	ug/L	0.056
Rh	103		424352.901	ug/L	
Ag	107	-0.017222	310.008	ug/L	0.001
Ag	109	-0.017615	284.007	ug/L	0.004
Cd	111	0.009106	68.668	ug/L	0.004
Cd	114	0.012914	172.670	ug/L	0.002
In	115		516876.087	ug/L	
Sb	121	0.028706	591.025	ug/L	0.001
Sb	123	0.032734	481.133	ug/L	0.003
Ba	137	24.973251	127708.366	ug/L	0.884
Ba	138	24.909387	813983.185	ug/L	1.243
Tb	159		562593.098	ug/L	
Ho	165		540178.514	ug/L	
Hg	200	0.002930	15.667	ug/L	0.001
Hg	202	0.000902	14.333	ug/L	0.001
Tl	205	0.003262	360.344	ug/L	0.000
Pb	208	0.371984	17199.534	ug/L	0.022
Bi	209		413280.378	ug/L	
Se	77	-0.101578	692.700	ug/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		95.331
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 92.247
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 89.743
Sb
Sb
Ba
Ba
Tb
> Ho 93.384
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 91943.09
Sample Date/Time: Friday, August 20, 2010 11:18:56
Autosampler Position: 127
Sample Description: 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.09.46570

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18401.283	ug/L	
Be	9	0.016013	15.000	ug/L	0.009
B	10	58.776089	6769.588	ug/L	0.114
B	11	59.782805	36238.445	ug/L	1.010
C	12		641634.086	ug/L	
Na	23	11020.974796	86540664.776	ug/L	171.348
Mg	24	2615.593309	14030130.939	ug/L	28.826
Mg	25	2618.333144	1978639.979	ug/L	29.312
Al	27	4.876980	43364.272	ug/L	0.314
Si	28		4311188.667	ug/L	
P	31	40.483187	30932.292	ug/L	1.661
S	32		90914396.675	ug/L	
Cl	35		10453561.990	ug/L	
K	39	3928.301426	53508917.598	ug/L	91.578
Ca	44	7101.567956	3024569.454	ug/L	103.947
Sc	45		220942.319	ug/L	
Ti	47	0.450030	660.697	ug/L	0.009
Ti	48	8.971815	103348.759	ug/L	0.356
V	51	-0.048566	25348.210	ug/L	0.020
ClO	51		26225.369	ug/L	
Cr	52	0.141676	12295.432	ug/L	0.008
Cr	53	-0.490489	8138.056	ug/L	0.048
Fe	54	4054.032997	4081774.997	ug/L	32.042
Mn	55	342.226229	6826382.891	ug/L	6.689
Fe	56	4098.465372	71167126.316	ug/L	78.196
Fe	57	4141.826957	1664836.941	ug/L	99.526
Co	59	0.117145	1706.177	ug/L	0.002
Ni	60	1.008277	3027.534	ug/L	0.024
Ni	62	0.807814	398.346	ug/L	0.027
Cu	63	0.191752	1394.121	ug/L	0.005
Zn	64	6.828513	22205.662	ug/L	0.224
Cu	65	0.061996	273.340	ug/L	0.003
Zn	66	6.927212	13382.311	ug/L	0.257
Zn	68	7.083142	9810.056	ug/L	0.245
Ge	72		178046.878	ug/L	
As	75	0.732746	1252.363	ug/L	0.015
ArCl	77		643.029	ug/L	
Se	78	0.440243	12999.313	ug/L	0.462
Br	79		61709.423	ug/L	

Br	81		87244.607	ug/L	
Se	82	0.626581	125.068	ug/L	0.173
Y	89		462659.989	ug/L	
Mo	95	0.047157	264.673	ug/L	0.002
Rh	103		412853.533	ug/L	
Ag	107	-0.016531	315.009	ug/L	0.002
Ag	109	-0.019502	258.006	ug/L	0.001
Cd	111	0.007310	61.667	ug/L	0.002
Cd	114	0.008506	137.336	ug/L	0.001
In	115		509817.466	ug/L	
Sb	121	0.020621	499.685	ug/L	0.001
Sb	123	0.022251	390.746	ug/L	0.004
Ba	137	11.264238	56890.020	ug/L	0.002
Ba	138	11.266067	363687.119	ug/L	0.069
Tb	159		547229.150	ug/L	
Ho	165		529761.336	ug/L	
Hg	200	0.003088	15.667	ug/L	0.000
Hg	202	0.000025	11.667	ug/L	0.001
Tl	205	0.002222	325.009	ug/L	0.000
Pb	208	0.575464	24474.227	ug/L	0.007
Bi	209		408701.791	ug/L	
Se	77	-0.711041	590.692	ug/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		92.756
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 90.250
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 88.518
Sb
Sb
Ba
Ba
Tb
> Ho 91.583
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 91943.09 MS
Sample Date/Time: Friday, August 20, 2010 11:25:30
Autosampler Position: 128
Sample Description: 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.09 MS.46571

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17989.783	ug/L	
Be	9	1038.834853	450151.225	ug/L	9.338
B	10	57.201621	6318.925	ug/L	0.159
B	11	59.087370	34350.789	ug/L	0.879
C	12		1429649.406	ug/L	
Na	23	22230.611392	167376958.972	ug/L	99.030
Mg	24	13430.053987	69076948.544	ug/L	101.832
Mg	25	13248.186215	9599833.124	ug/L	63.813
Al	27	10531.815277	85293998.440	ug/L	105.364
Si	28		4170738.694	ug/L	
P	31	9614.257641	4554548.205	ug/L	54.574
S	32		93569677.121	ug/L	
Cl	35		12701428.291	ug/L	
K	39	14400.831056	185995479.044	ug/L	39.347
Ca	44	17466.383664	7122467.281	ug/L	13.442
Sc	45		211847.970	ug/L	
Ti	47	23.847092	24557.716	ug/L	0.565
Ti	48	22.310046	246699.641	ug/L	0.323
V	51	945.999314	13932424.644	ug/L	9.243
ClO	51		14246197.524	ug/L	
Cr	52	922.711550	11357041.643	ug/L	8.937
Cr	53	933.512913	1384447.625	ug/L	3.221
Fe	54	14118.495851	13458211.237	ug/L	21.952
Mn	55	1278.871760	24457361.111	ug/L	10.624
Fe	56	14229.315924	228401390.765	ug/L	146.458
Fe	57	14119.406039	5413546.834	ug/L	211.273
Co	59	904.607846	11915665.861	ug/L	10.837
Ni	60	880.325019	2415257.559	ug/L	6.935
Ni	62	903.079931	367950.881	ug/L	4.583
Cu	63	848.884345	5169554.402	ug/L	12.193
Zn	64	893.564564	2623143.299	ug/L	16.281
Cu	65	836.706557	2495850.648	ug/L	14.187
Zn	66	921.146259	1605247.462	ug/L	5.998
Zn	68	929.419034	1155313.431	ug/L	5.243
Ge	72		170798.975	ug/L	
As	75	954.615662	1822356.283	ug/L	12.233
ArCl	77		142106.483	ug/L	
Se	78	988.073706	463343.873	ug/L	10.185
Br	79		66279.152	ug/L	

Br	81		90133.180	ug/L	
Se	82	971.912780	195084.358	ug/L	27.599
Y	89		433194.595	ug/L	
Mo	95	981.228578	4575846.710	ug/L	8.473
Rh	103		396717.122	ug/L	
Ag	107	870.098169	10719003.293	ug/L	2.852
Ag	109	893.454137	10446217.907	ug/L	1.489
Cd	111	942.875116	2921066.889	ug/L	6.929
Cd	114	950.686147	6780105.674	ug/L	11.587
In	115		488937.892	ug/L	
Sb	121	968.805672	9591294.102	ug/L	27.017
Sb	123	969.616842	7397782.561	ug/L	27.748
Ba	137	985.382427	4767379.855	ug/L	5.863
Ba	138	991.523352	30660808.563	ug/L	16.248
Tb	159		532078.381	ug/L	
Ho	165		510777.985	ug/L	
Hg	200	1.029352	2100.264	ug/L	0.004
Hg	202	1.040195	2787.455	ug/L	0.020
Tl	205	978.638548	25739535.801	ug/L	10.502
Pb	208	964.115323	34707152.500	ug/L	2.156
Bi	209		387038.358	ug/L	
Se	77	831.770105	139926.365	ug/L	1.038

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
| >	Sc		88.938
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 86.576
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 84.893
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 88.301
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 91943.09 MSD
Sample Date/Time: Friday, August 20, 2010 11:32:05
Autosampler Position: 129
Sample Description: 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\91943.09 MSD.46572

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18000.470	ug/L	
Be	9	1068.775225	447803.052	ug/L	9.641
B	10	60.547109	6463.028	ug/L	0.016
B	11	60.347848	33916.830	ug/L	0.589
C	12		1401324.116	ug/L	
Na	23	22261.096752	162066381.234	ug/L	199.284
Mg	24	13582.833962	67551987.264	ug/L	56.006
Mg	25	13495.783888	9455902.774	ug/L	54.050
Al	27	10779.194960	84408382.273	ug/L	50.771
Si	28		4080603.240	ug/L	
P	31	9722.523599	4453204.223	ug/L	85.254
S	32		90410962.631	ug/L	
Cl	35		12221874.880	ug/L	
K	39	14483.537161	180871649.801	ug/L	1.912
Ca	44	17784.155023	7011894.524	ug/L	99.085
Sc	45		204839.401	ug/L	
Ti	47	22.854401	22761.359	ug/L	0.569
Ti	48	22.327371	238712.144	ug/L	0.784
V	51	957.274312	13631907.596	ug/L	4.865
ClO	51		13937809.554	ug/L	
Cr	52	934.462713	11121207.434	ug/L	2.759
Cr	53	940.740961	1348895.522	ug/L	12.895
Fe	54	14334.136347	13210441.113	ug/L	104.131
Mn	55	1304.226263	24117557.498	ug/L	1.879
Fe	56	14590.327824	226367736.868	ug/L	22.588
Fe	57	14473.334840	5365433.857	ug/L	132.382
Co	59	927.219795	11809612.153	ug/L	5.273
Ni	60	897.152895	2379999.308	ug/L	5.762
Ni	62	916.992433	361242.980	ug/L	12.578
Cu	63	864.824429	5092566.499	ug/L	1.373
Zn	64	919.517474	2610041.048	ug/L	8.844
Cu	65	857.441142	2473134.536	ug/L	6.169
Zn	66	936.292882	1577648.532	ug/L	6.609
Zn	68	944.697167	1135441.559	ug/L	6.725
Ge	72		170053.089	ug/L	
As	75	947.405649	1800825.524	ug/L	5.668
ArCl	77		140385.058	ug/L	
Se	78	982.181829	458667.045	ug/L	7.402
Br	79		64638.383	ug/L	

Br	81		87888.735	ug/L	
Se	82	957.800052	191442.019	ug/L	5.404
Y	89		426361.023	ug/L	
Mo	95	970.009923	4504008.921	ug/L	9.875
Rh	103		385670.908	ug/L	
Ag	107	887.344164	10749187.263	ug/L	10.734
Ag	109	875.616295	10067038.440	ug/L	8.709
Cd	111	944.998168	2878968.478	ug/L	5.537
Cd	114	959.656488	6730415.125	ug/L	2.811
In	115		480790.230	ug/L	
Sb	121	982.184473	9562939.622	ug/L	10.210
Sb	123	982.522169	7372293.328	ug/L	12.492
Ba	137	992.621905	4722514.762	ug/L	0.779
Ba	138	998.920929	30377059.274	ug/L	9.993
Tb	159		536046.236	ug/L	
Ho	165		514755.673	ug/L	
Hg	200	1.026991	2111.600	ug/L	0.013
Hg	202	1.043336	2817.131	ug/L	0.012
Tl	205	975.100704	25845498.526	ug/L	6.671
Pb	208	969.694171	35182698.402	ug/L	12.997
Bi	209		396756.512	ug/L	
Se	77	818.234404	137660.841	ug/L	6.190

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		85.996
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 86.198
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 83.478
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 88.989
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

eastern analytical, inc.
professional laboratory services

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

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 92049
Client Identification: Coakley Landfill | P0081
Date Received: 8/19/2010

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
Lorraine Olashaw, Lab Director

9.7.10
Date

718
# of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Temperature upon receipt (°C): 2 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
92049.01	GW-MW-4-0810	8/19/10	8/17/10	aqueous		Adheres to Sample Acceptance Policy
92049.02	GW-MW-9-0810	8/19/10	8/17/10	aqueous		Adheres to Sample Acceptance Policy
92049.03	GW-AE-2A-0810	8/19/10	8/17/10	aqueous		Adheres to Sample Acceptance Policy
92049.04	GW-AE-2B-0810	8/19/10	8/17/10	aqueous		Adheres to Sample Acceptance Policy
92049.05	GW-FPC-2B-0810	8/19/10	8/17/10	aqueous		Adheres to Sample Acceptance Policy
92049.06	GW-MW-10-0810	8/19/10	8/18/10	aqueous		Adheres to Sample Acceptance Policy
92049.07	GW-MW-11-0810	8/19/10	8/18/10	aqueous		Adheres to Sample Acceptance Policy
92049.08	GW-OP-2-0810	8/19/10	8/18/10	aqueous		Adheres to Sample Acceptance Policy
92049.09	GW-OP-5-0810	8/19/10	8/18/10	aqueous		Adheres to Sample Acceptance Policy
92049.1	GW-AE-4A-0810	8/19/10	8/18/10	aqueous		Adheres to Sample Acceptance Policy
92049.11	GW-AE-4B-0810	8/19/10	8/18/10	aqueous		Adheres to Sample Acceptance Policy
92049.12	GW-FPC-4B-0810	8/19/10	8/18/10	aqueous		Adheres to Sample Acceptance Policy
92049.13	GW-FPC-5A-0810	8/19/10	8/18/10	aqueous		Adheres to Sample Acceptance Policy
92049.14	GW-FPC-5B-0810	8/19/10	8/18/10	aqueous		Adheres to Sample Acceptance Policy
92049.15	GW-FPC-8A-0810	8/19/10	8/18/10	aqueous		Adheres to Sample Acceptance Policy
92049.16	GW-GZ-105-0810	8/19/10	8/18/10	aqueous		Adheres to Sample Acceptance Policy
92049.17	GW-MW-5S-0810	8/19/10	8/19/10	aqueous		Adheres to Sample Acceptance Policy
92049.18	GW-MW-5S-DUP-0810	8/19/10	8/19/10	aqueous		Adheres to Sample Acceptance Policy
92049.19	GW-FPC-6A-0810	8/19/10	8/19/10	aqueous		Adheres to Sample Acceptance Policy
92049.2	GW-FPC-6B-0810	8/19/10	8/19/10	aqueous		Adheres to Sample Acceptance Policy
92049.21	GW-FPC-8B-0810	8/19/10	8/17/10	aqueous		Adheres to Sample Acceptance Policy
92049.22	DW-R-3-0810	8/19/10	8/19/10	aqueous		Adheres to Sample Acceptance Policy
92049.23	DW-R-5-0810	8/19/10	8/19/10	aqueous		Adheres to Sample Acceptance Policy
92049.24	Tubing	8/19/10	8/19/10	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

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Temperature upon receipt (°C): 2 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
92049.25	GW-MW-5S-FB-0810	8/19/10	8/19/10	aqueous		Adheres to Sample Acceptance Policy
92049.26	Trip Blank 524	8/19/10	8/4/10	aqueous		Adheres to Sample Acceptance Policy
92049.27	Trip Blank 14 Diox	8/19/10	7/14/10	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

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-AE-2A-0810	GW-AE-2B-0810	GW-FPC-2B-0810	GW-MW-11-0810	GW-AE-4A-0810	GW-AE-4B-0810	GW-FPC-4B-0810
Lab Sample ID:	92049.03	92049.04	92049.05	92049.07	92049.1	92049.11	92049.12
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/17/10	8/17/10	8/17/10	8/18/10	8/18/10	8/18/10	8/18/10
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/25/10	8/25/10	8/25/10	8/25/10	8/25/10	8/25/10	8/25/10
Analyst:	KJP	KJP	KJP	KJP	KJP	KJP	KJP
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	< 5	**9**	< 5	< 5	< 5
Trichlorofluoromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl Ether	**7**	**29**	< 5	**24**	< 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)	**32**	< 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	**20**	< 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**	**2**	< 1	**3**	< 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
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**	**3**	< 2	< 2	< 2	< 2	< 2
1,1,1,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-AE-2A-0810	GW-AE-2B-0810	GW-FPC-2B-0810	GW-MW-11-0810	GW-AE-4A-0810	GW-AE-4B-0810	GW-FPC-4B-0810
Lab Sample ID:	92049.03	92049.04	92049.05	92049.07	92049.1	92049.11	92049.12
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/17/10	8/17/10	8/17/10	8/18/10	8/18/10	8/18/10	8/18/10
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/25/10	8/25/10	8/25/10	8/25/10	8/25/10	8/25/10	8/25/10
Analyst:	KJP	KJP	KJP	KJP	KJP	KJP	KJP
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
mp-Xylene	< 1	< 1	< 1	**4**	< 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)	**91 %R**	**93 %R**	**92 %R**	**95 %R**	**91 %R**	**91 %R**	**89 %R**
1,2-Dichlorobenzene-d4 (surr)	**105 %R**	**109 %R**	**112 %R**	**103 %R**	**107 %R**	**111 %R**	**111 %R**
Toluene-d8 (surr)	**97 %R**	**96 %R**	**97 %R**	**95 %R**	**94 %R**	**98 %R**	**97 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-FPC-8A-0810	GW-GZ-105-0810	GW-MW-5S-0810	GW-MW-5S-DUP-0810	GW-FPC-6A-0810	GW-FPC-6B-0810	GW-FPC-8B-0810
Lab Sample ID:	92049.15	92049.16	92049.17	92049.18	92049.19	92049.2	92049.21
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/18/10	8/18/10	8/19/10	8/19/10	8/19/10	8/19/10	8/17/10
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/25/10	8/27/10	8/27/10	8/27/10	8/27/10	8/27/10	8/25/10
Analyst:	KJP	KJP	KJP	KJP	KJP	KJP	KJP
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	**9**	**7**	**7**	**8**	**7**	< 5
Trichlorofluoromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl Ether	< 5	**57**	**40**	**41**	**18**	**16**	< 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	**70**	**40**	**40**	< 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	**7**	**4**	**5**	**2**	**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
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	**11**	**3**	**3**	**5**	**5**	< 2
1,1,1,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-FPC-8A-0810	GW-GZ-105-0810	GW-MW-5S-0810	GW-MW-5S-DUP-0810	GW-FPC-6A-0810	GW-FPC-6B-0810	GW-FPC-8B-0810
Lab Sample ID:	92049.15	92049.16	92049.17	92049.18	92049.19	92049.2	92049.21
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/18/10	8/18/10	8/19/10	8/19/10	8/19/10	8/19/10	8/17/10
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/25/10	8/27/10	8/27/10	8/27/10	8/27/10	8/27/10	8/25/10
Analyst:	KJP	KJP	KJP	KJP	KJP	KJP	KJP
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	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	**3**	**2**	**2**	< 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	**5**	**3**	**3**	**2**	**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)	**89 %R**	**97 %R**	**100 %R**	**94 %R**	**91 %R**	**95 %R**	**90 %R**
1,2-Dichlorobenzene-d4 (surr)	**110 %R**	**104 %R**	**101 %R**	**102 %R**	**105 %R**	**103 %R**	**111 %R**
Toluene-d8 (surr)	**95 %R**	**97 %R**	**97 %R**	**96 %R**	**95 %R**	**97 %R**	**95 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	Tubing	GW-MW-5S-FB-0810
Lab Sample ID:	92049.24	92049.25
Matrix:	aqueous	aqueous
Date Sampled:	8/19/10	8/19/10
Date Received:	8/19/10	8/19/10
Units:	ug/l	ug/l
Date of Analysis:	8/25/10	8/25/10
Analyst:	KJP	KJP
Method:	8260B	8260B
Dilution Factor:	1	1
Dichlorodifluoromethane	< 5	< 5
Chloromethane	< 2	< 2
Vinyl chloride	< 2	< 2
Bromomethane	< 2	< 2
Chloroethane	< 5	< 5
Trichlorofluoromethane	< 5	< 5
Diethyl Ether	< 5	< 5
Acetone	< 10	< 10
1,1-Dichloroethene	< 1	< 1
tert-Butyl Alcohol (TBA)	< 30	< 30
Methylene chloride	**12**	**11**
Carbon disulfide	< 5	< 5
Methyl-t-butyl ether(MTBE)	< 5	< 5
Ethyl-t-butyl ether(ETBE)	< 5	< 5
Isopropyl ether(DIPE)	< 5	< 5
tert-amyl methyl ether(TAME)	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2
1,1-Dichloroethane	< 2	< 2
2,2-Dichloropropane	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2
2-Butanone(MEK)	< 10	< 10
Bromochloromethane	< 2	< 2
Tetrahydrofuran(THF)	< 10	< 10
Chloroform	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2
Carbon tetrachloride	< 2	< 2
1,1-Dichloropropene	< 2	< 2
Benzene	< 1	< 1
1,2-Dichloroethane	< 2	< 2
Trichloroethene	< 2	< 2
1,2-Dichloropropane	< 2	< 2
Dibromomethane	< 2	< 2
Bromodichloromethane	< 0.5	< 0.5
4-Methyl-2-pentanone(MIBK)	< 10	< 10
cis-1,3-Dichloropropene	< 2	< 2
Toluene	< 1	< 1
trans-1,3-Dichloropropene	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2
2-Hexanone	< 10	< 10
Tetrachloroethene	< 2	< 2
1,3-Dichloropropane	< 2	< 2
Dibromochloromethane	< 2	< 2
1,2-Dibromoethane(EDB)	< 2	< 2
Chlorobenzene	< 2	< 2
1,1,1,2-Tetrachloroethane	< 2	< 2
Ethylbenzene	< 1	< 1

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	Tubing	GW-MW-5S-FB-0810
Lab Sample ID:	92049.24	92049.25
Matrix:	aqueous	aqueous
Date Sampled:	8/19/10	8/19/10
Date Received:	8/19/10	8/19/10
Units:	ug/l	ug/l
Date of Analysis:	8/25/10	8/25/10
Analyst:	KJP	KJP
Method:	8260B	8260B
Dilution Factor:	1	1
mp-Xylene	< 1	< 1
o-Xylene	< 1	< 1
Styrene	< 1	< 1
Bromoform	< 2	< 2
IsoPropylbenzene	< 1	< 1
Bromobenzene	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2
1,2,3-Trichloropropane	< 2	< 2
n-Propylbenzene	< 1	< 1
2-Chlorotoluene	< 2	< 2
4-Chlorotoluene	< 2	< 2
1,3,5-Trimethylbenzene	< 1	< 1
tert-Butylbenzene	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1
sec-Butylbenzene	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1
p-Isopropyltoluene	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1
n-Butylbenzene	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5
Naphthalene	< 5	< 5
1,2,3-Trichlorobenzene	< 1	< 1
4-Bromofluorobenzene (surr)	**90 %R**	**90 %R**
1,2-Dichlorobenzene-d4 (surr)	**109 %R**	**108 %R**
Toluene-d8 (surr)	**95 %R**	**96 %R**

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 5	17 (86 %R)	17 (86 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Chloromethane	< 2	17 (83 %R)	18 (88 %R) (6 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Vinyl chloride	< 2	14 (72 %R)	15 (74 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Bromomethane	< 2	18 (89 %R)	18 (88 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Chloroethane	< 5	18 (90 %R)	18 (92 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	< 5	21 (106 %R)	21 (107 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Diethyl Ether	< 5	21 (107 %R)	22 (108 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Acetone	< 10	20 (83 %R)	20 (79 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethene	< 1	21 (106 %R)	22 (108 %R) (2 RPD)	8/25/2010	ug/l	61 - 145	20	8260B
tert-Butyl Alcohol (TBA)	< 30	90 (%R)	100 (%R) (RPD)	8/25/2010	ug/l			8260B
Methylene chloride	< 5	20 (102 %R)	21 (104 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Carbon disulfide	< 5	19 (93 %R)	19 (97 %R) (4 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	< 5	20 (102 %R)	21 (106 %R) (4 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	< 5	20 (98 %R)	21 (103 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	< 5	19 (95 %R)	20 (98 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	< 5	22 (111 %R)	23 (113 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	< 2	23 (115 %R)	24 (120 %R) (4 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	< 2	21 (106 %R)	22 (110 %R) (4 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	< 2	20 (101 %R)	21 (106 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	< 2	22 (111 %R)	23 (114 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	< 10	20 (86 %R)	20 (89 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Bromochloromethane	< 2	22 (108 %R)	22 (112 %R) (4 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	< 10	20 (96 %R)	20 (98 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Chloroform	< 2	22 (111 %R)	23 (115 %R) (4 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	< 2	22 (112 %R)	23 (115 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Carbon tetrachloride	< 2	21 (107 %R)	22 (112 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	< 2	21 (103 %R)	22 (110 %R) (7 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Benzene	< 1	23 (113 %R)	24 (118 %R) (4 RPD)	8/25/2010	ug/l	76 - 127	20	8260B
1,2-Dichloroethane	< 2	21 (105 %R)	21 (107 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Trichloroethene	< 2	22 (110 %R)	23 (114 %R) (4 RPD)	8/25/2010	ug/l	71 - 120	20	8260B
1,2-Dichloropropane	< 2	20 (101 %R)	21 (106 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Dibromomethane	< 2	23 (115 %R)	23 (114 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Bromodichloromethane	< 0.5	20 (99 %R)	20 (101 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
4-Methyl-2-pentanone(MIBK)	< 10	20 (98 %R)	20 (101 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
cis-1,3-Dichloropropene	< 2	21 (106 %R)	22 (109 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Toluene	< 1	23 (114 %R)	23 (115 %R) (1 RPD)	8/25/2010	ug/l	76 - 125	20	8260B
trans-1,3-Dichloropropene	< 2	19 (94 %R)	19 (97 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	< 2	21 (104 %R)	21 (106 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
2-Hexanone	< 10	20 (89 %R)	20 (89 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Tetrachloroethene	< 2	24 (122 %R)	25 (124 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	< 2	21 (106 %R)	21 (107 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Dibromochloromethane	< 2	22 (108 %R)	22 (110 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	< 2	21 (106 %R)	21 (107 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Chlorobenzene	< 2	22 (109 %R)	22 (109 %R) (0 RPD)	8/25/2010	ug/l	75 - 130	20	8260B
1,1,1,2-Tetrachloroethane	< 2	23 (116 %R)	24 (119 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B

QC REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	23 (117 %R)	24 (119 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
mp-Xylene	< 1	47 (118 %R)	48 (120 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
o-Xylene	< 1	23 (113 %R)	23 (117 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Styrene	< 1	23 (114 %R)	23 (116 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Bromoform	< 2	20 (99 %R)	19 (97 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
IsoPropylbenzene	< 1	25 (124 %R)	26 (128 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Bromobenzene	< 2	22 (109 %R)	21 (104 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	< 2	20 (99 %R)	18 (92 %R) (7 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	< 2	20 (102 %R)	19 (96 %R) (6 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
n-Propylbenzene	< 1	23 (115 %R)	22 (111 %R) (4 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
2-Chlorotoluene	< 2	21 (104 %R)	20 (101 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
4-Chlorotoluene	< 2	22 (108 %R)	21 (104 %R) (4 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	< 1	22 (111 %R)	22 (108 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
tert-Butylbenzene	< 1	23 (113 %R)	22 (108 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	< 1	23 (113 %R)	22 (108 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
sec-Butylbenzene	< 1	23 (113 %R)	21 (107 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	< 1	22 (111 %R)	21 (105 %R) (6 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	< 1	24 (118 %R)	22 (112 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	< 1	21 (107 %R)	21 (105 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	< 1	21 (105 %R)	20 (102 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
n-Butylbenzene	< 1	22 (112 %R)	21 (107 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	< 2	18 (92 %R)	18 (89 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	< 1	22 (%R)	21 (%R) (RPD)	8/25/2010	ug/l			8260B
1,2,4-Trichlorobenzene	< 1	22 (110 %R)	22 (109 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	< 0.5	21 (105 %R)	20 (100 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
Naphthalene	< 5	20 (98 %R)	19 (94 %R) (4 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	< 1	20 (99 %R)	20 (99 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	93 %R	102 %R	102 %R	8/25/2010	% Rec	86 - 115	20	8260B
1,2-Dichlorobenzene-d4 (surr)	108 %R	100 %R	95 %R	8/25/2010	% Rec	80 - 120	20	8260B
Toluene-d8 (surr)	97 %R	100 %R	99 %R	8/25/2010	% 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.

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 5	24 (119 %R)	24 (118 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Chloromethane	< 2	19 (97 %R)	19 (97 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Vinyl chloride	< 2	17 (84 %R)	16 (80 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromomethane	< 2	21 (104 %R)	20 (99 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Chloroethane	< 5	20 (99 %R)	19 (94 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	< 5	22 (108 %R)	21 (103 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Diethyl Ether	< 5	21 (107 %R)	21 (104 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Acetone	< 10	10 (75 %R)	20 (76 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethene	< 1	21 (105 %R)	20 (102 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	< 30	* 90 (%R)	* 100 (%R) (RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Methylene chloride	< 5	20 (102 %R)	19 (96 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Carbon disulfide	< 5	18 (92 %R)	17 (87 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	< 5	21 (105 %R)	21 (103 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	< 5	21 (105 %R)	20 (99 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	< 5	20 (98 %R)	19 (95 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	< 5	23 (114 %R)	22 (112 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	< 2	23 (116 %R)	22 (110 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	< 2	21 (104 %R)	20 (99 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	< 2	20 (101 %R)	19 (95 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	< 2	22 (108 %R)	21 (105 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	< 10	20 (87 %R)	20 (85 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromochloromethane	< 2	21 (106 %R)	21 (105 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	< 10	20 (92 %R)	20 (95 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Chloroform	< 2	22 (108 %R)	20 (102 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	< 2	22 (108 %R)	21 (103 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Carbon tetrachloride	< 2	21 (104 %R)	20 (101 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	< 2	21 (106 %R)	20 (100 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Benzene	< 1	22 (112 %R)	21 (106 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	< 2	20 (99 %R)	19 (97 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Trichloroethene	< 2	22 (108 %R)	21 (104 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	< 2	20 (101 %R)	20 (99 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Dibromomethane	< 2	22 (108 %R)	21 (103 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromodichloromethane	< 0.5	19 (96 %R)	18 (90 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
4-Methyl-2-pentanone(MIBK)	< 10	20 (100 %R)	20 (102 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
cis-1,3-Dichloropropene	< 2	21 (107 %R)	21 (103 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Toluene	< 1	22 (112 %R)	22 (110 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	< 2	19 (94 %R)	19 (94 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	< 2	20 (101 %R)	20 (102 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
2-Hexanone	< 10	20 (86 %R)	20 (90 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Tetrachloroethene	< 2	24 (121 %R)	24 (119 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	< 2	20 (101 %R)	20 (102 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Dibromochloromethane	< 2	22 (108 %R)	21 (107 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	< 2	21 (103 %R)	21 (105 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Chlorobenzene	< 2	21 (107 %R)	21 (107 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1,1,2-Tetrachloroethane	< 2	23 (114 %R)	22 (112 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B

QC REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	23 (114 %R)	22 (111 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
mp-Xylene	< 1	46 (115 %R)	46 (114 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
o-Xylene	< 1	23 (115 %R)	23 (114 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Styrene	< 1	22 (112 %R)	22 (111 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromoform	< 2	19 (94 %R)	20 (98 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
IsoPropylbenzene	< 1	25 (126 %R)	25 (123 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromobenzene	< 2	21 (106 %R)	21 (107 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	< 2	18 (92 %R)	19 (94 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	< 2	19 (94 %R)	19 (96 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
n-Propylbenzene	< 1	22 (110 %R)	22 (109 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
2-Chlorotoluene	< 2	20 (99 %R)	20 (100 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
4-Chlorotoluene	< 2	21 (105 %R)	21 (104 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	< 1	21 (106 %R)	22 (108 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
tert-Butylbenzene	< 1	22 (108 %R)	22 (110 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	< 1	22 (108 %R)	22 (108 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
sec-Butylbenzene	< 1	22 (108 %R)	22 (109 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	< 1	21 (106 %R)	21 (106 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	< 1	23 (114 %R)	23 (113 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	< 1	21 (104 %R)	21 (106 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	< 1	21 (103 %R)	21 (103 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
n-Butylbenzene	< 1	21 (106 %R)	21 (107 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	< 2	18 (89 %R)	19 (95 %R) (7 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	< 1	* 21 (%R)	* 22 (%R) (RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	< 1	22 (111 %R)	23 (114 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	< 0.5	19 (95 %R)	20 (99 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Naphthalene	< 5	19 (96 %R)	21 (103 %R) (7 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	< 1	20 (99 %R)	21 (105 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	95 %R	102 %R	101 %R	8/27/2010	% Rec	86 - 115	20	8260B
1,2-Dichlorobenzene-d4 (surr)	101 %R	97 %R	98 %R	8/27/2010	% Rec	80 - 120	20	8260B
Toluene-d8 (surr)	96 %R	98 %R	97 %R	8/27/2010	% 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.

Eastern Analytical, Inc. ID#: **92049** **Batch ID:**

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	92049.17	< 5	26 (129 %R)	* 29 (142 %R) (10 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Chloromethane	92049.17	< 2	20 (99 %R)	21 (105 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Vinyl chloride	92049.17	< 2	18 (87 %R)	19 (94 %R) (8 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromomethane	92049.17	< 2	18 (89 %R)	20 (99 %R) (11 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Chloroethane	92049.17	7	26 (96 %R)	27 (99 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	92049.17	< 5	23 (117 %R)	25 (124 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Diethyl Ether	92049.17	40	61 (104 %R)	60 (99 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Acetone	92049.17	< 10	20 (77 %R)	20 (78 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethene	92049.17	< 1	23 (116 %R)	23 (114 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	92049.17	< 30	* 100 (%R)	* 110 (%R) (RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Methylene chloride	92049.17	< 5	21 (103 %R)	20 (100 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Carbon disulfide	92049.17	< 5	21 (103 %R)	20 (100 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	92049.17	< 5	21 (102 %R)	21 (103 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	92049.17	< 5	20 (99 %R)	21 (103 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	92049.17	< 5	20 (97 %R)	20 (99 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	92049.17	< 5	22 (110 %R)	23 (114 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	92049.17	< 2	24 (122 %R)	25 (127 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	92049.17	< 2	23 (110 %R)	23 (111 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	92049.17	< 2	22 (108 %R)	22 (111 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	92049.17	< 2	23 (117 %R)	23 (117 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	92049.17	< 10	20 (80 %R)	20 (90 %R) (12 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromochloromethane	92049.17	< 2	22 (108 %R)	22 (109 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	92049.17	40	60 (100 %R)	70 (116 %R) (15 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Chloroform	92049.17	< 2	23 (113 %R)	23 (116 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	92049.17	< 2	24 (120 %R)	25 (124 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Carbon tetrachloride	92049.17	< 2	23 (117 %R)	24 (121 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	92049.17	< 2	23 (113 %R)	24 (118 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Benzene	92049.17	4	28 (119 %R)	28 (120 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	92049.17	< 2	21 (106 %R)	21 (106 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Trichloroethene	92049.17	< 2	23 (116 %R)	24 (118 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	92049.17	< 2	21 (103 %R)	21 (105 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Dibromomethane	92049.17	< 2	22 (109 %R)	22 (111 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromodichloromethane	92049.17	< 0.5	20 (98 %R)	20 (100 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
4-Methyl-2-pentanone(MIBK)	92049.17	< 10	20 (83 %R)	20 (95 %R) (13 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
cis-1,3-Dichloropropene	92049.17	< 2	21 (107 %R)	22 (109 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Toluene	92049.17	< 1	24 (116 %R)	24 (119 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	92049.17	< 2	19 (95 %R)	20 (99 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	92049.17	< 2	21 (103 %R)	21 (105 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
2-Hexanone	92049.17	< 10	20 (78 %R)	20 (89 %R) (13 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Tetrachloroethene	92049.17	< 2	26 (129 %R)	* 27 (134 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	92049.17	< 2	21 (103 %R)	21 (107 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Dibromochloromethane	92049.17	< 2	22 (111 %R)	22 (112 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	92049.17	< 2	21 (105 %R)	22 (108 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Chlorobenzene	92049.17	3	26 (113 %R)	26 (116 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1,1,2-Tetrachloroethane	92049.17	< 2	24 (120 %R)	24 (122 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B

QC REPORT

Eastern Analytical, Inc. ID#: **92049** **Batch ID:**

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	92049.17	< 1	24 (122 %R)	25 (124 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
mp-Xylene	92049.17	< 1	49 (122 %R)	51 (126 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
o-Xylene	92049.17	< 1	24 (117 %R)	24 (121 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Styrene	92049.17	< 1	23 (115 %R)	23 (117 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromoform	92049.17	< 2	20 (98 %R)	20 (101 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
IsoPropylbenzene	92049.17	2	* 29 (137 %R)	* 29 (138 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Bromobenzene	92049.17	< 2	21 (107 %R)	22 (109 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	92049.17	< 2	18 (92 %R)	19 (96 %R) (4 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	92049.17	< 2	19 (96 %R)	19 (97 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
n-Propylbenzene	92049.17	< 1	24 (118 %R)	24 (119 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
2-Chlorotoluene	92049.17	< 2	21 (105 %R)	22 (108 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
4-Chlorotoluene	92049.17	< 2	22 (107 %R)	22 (109 %R) (2 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	92049.17	< 1	23 (115 %R)	23 (115 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
tert-Butylbenzene	92049.17	< 1	23 (116 %R)	24 (117 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	92049.17	< 1	23 (114 %R)	23 (114 %R) (0 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
sec-Butylbenzene	92049.17	< 1	23 (116 %R)	24 (120 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	92049.17	< 1	22 (108 %R)	22 (111 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	92049.17	< 1	24 (119 %R)	25 (123 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	92049.17	3	24 (105 %R)	25 (108 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	92049.17	< 1	21 (103 %R)	22 (108 %R) (5 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
n-Butylbenzene	92049.17	< 1	23 (115 %R)	24 (118 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	92049.17	< 2	18 (90 %R)	19 (93 %R) (3 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	92049.17	< 1	* 22 (%R)	* 23 (%R) (RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	92049.17	< 1	22 (110 %R)	23 (117 %R) (6 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	92049.17	< 0.5	21 (105 %R)	23 (115 %R) (9 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
Naphthalene	92049.17	< 5	19 (94 %R)	21 (102 %R) (8 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	92049.17	< 1	19 (96 %R)	21 (104 %R) (8 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	92049.17	100 %R	103 %R	102 %R	8/27/2010	% Rec	86 - 115	20	8260B
1,2-Dichlorobenzene-d4 (surr)	92049.17	101 %R	98 %R	101 %R	8/27/2010	% Rec	80 - 120	20	8260B
Toluene-d8 (surr)	92049.17	97 %R	97 %R	99 %R	8/27/2010	% 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.

Analytes that exceed the acceptance limits high in the quality control samples but are not detected in the field samples do not impact the data. For analytes that show low recovery in the quality control samples and are not detected in the field samples, a low point calibration standard is analyzed to support the reporting limit.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	DW-R-3-0810	DW-R-5-0810	Trip Blank 524
Lab Sample ID:	92049.22	92049.23	92049.26
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	8/19/10	8/19/10	8/4/10
Date Received:	8/19/10	8/19/10	8/19/10
Units:	ug/l	ug/l	ug/l
Date of Analysis:	8/25/10	8/25/10	8/25/10
Analyst:	BAM	BAM	BAM
Method:	524.2	524.2	524.2
Dilution Factor:	1	1	1
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5
Chloromethane	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.5	< 0.5	< 0.5
Bromomethane	< 0.5	< 0.5	< 0.5
Chloroethane	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	< 0.5	< 0.5	< 0.5
Diethyl Ether	< 5	< 5	< 5
Acetone	< 10	< 10	< 10
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30
Methylene chloride	< 0.5	< 0.5	< 0.5
Carbon disulfide	< 2	< 2	< 2
Methyl-t-butyl ether(MTBE)	< 0.5	< 0.5	< 0.5
Ethyl-t-butyl ether(ETBE)	< 0.5	< 0.5	< 0.5
Isopropyl ether(DIPE)	< 0.5	< 0.5	< 0.5
tert-amyl methyl ether(TAME)	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	< 0.5	< 0.5	< 0.5
Vinyl acetate	< 10	< 10	< 10
1,1-Dichloroethane	< 0.5	< 0.5	< 0.5
2,2-Dichloropropane	< 0.5	< 0.5	< 0.5
cis-1,2-Dichloroethene	< 0.5	< 0.5	< 0.5
2-Butanone(MEK)	< 5	< 5	< 5
Bromochloromethane	< 0.5	< 0.5	< 0.5
Tetrahydrofuran(THF)	< 5	< 5	< 5
Chloroform	< 0.5	< 0.5	< 0.5
1,1,1-Trichloroethane	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	< 0.5	< 0.5	< 0.5
1,1-Dichloropropene	< 0.5	< 0.5	< 0.5
Benzene	< 0.5	< 0.5	< 0.5
1,2-Dichloroethane	< 0.5	< 0.5	< 0.5
Trichloroethene	< 0.5	< 0.5	< 0.5
1,2-Dichloropropane	< 0.5	< 0.5	< 0.5
Dibromomethane	< 0.5	< 0.5	< 0.5
Bromodichloromethane	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone(MIBK)	< 5	< 5	< 5
cis-1,3-Dichloropropene	< 0.3	< 0.3	< 0.3
Toluene	< 0.5	< 0.5	< 0.5
trans-1,3-Dichloropropene	< 0.3	< 0.3	< 0.3
1,1,2-Trichloroethane	< 0.5	< 0.5	< 0.5
2-Hexanone	< 5	< 5	< 5
Tetrachloroethene	< 0.5	< 0.5	< 0.5
1,3-Dichloropropane	< 0.5	< 0.5	< 0.5
Dibromochloromethane	< 0.5	< 0.5	< 0.5
1,2-Dibromoethane(EDB)	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 0.5	< 0.5	< 0.5
1,1,1,2-Tetrachloroethane	< 0.5	< 0.5	< 0.5

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	DW-R-3-0810	DW-R-5-0810	Trip Blank 524
Lab Sample ID:	92049.22	92049.23	92049.26
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	8/19/10	8/19/10	8/4/10
Date Received:	8/19/10	8/19/10	8/19/10
Units:	ug/l	ug/l	ug/l
Date of Analysis:	8/25/10	8/25/10	8/25/10
Analyst:	BAM	BAM	BAM
Method:	524.2	524.2	524.2
Dilution Factor:	1	1	1
Ethylbenzene	< 0.5	< 0.5	< 0.5
mp-Xylene	< 0.5	< 0.5	< 0.5
o-Xylene	< 0.5	< 0.5	< 0.5
Styrene	< 0.5	< 0.5	< 0.5
Bromoform	< 0.5	< 0.5	< 0.5
IsoPropylbenzene	< 0.5	< 0.5	< 0.5
Bromobenzene	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane	< 0.5	< 0.5	< 0.5
1,2,3-Trichloropropane	< 0.5	< 0.5	< 0.5
n-Propylbenzene	< 0.5	< 0.5	< 0.5
2-Chlorotoluene	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	< 0.5	< 0.5	< 0.5
1,3,5-Trimethylbenzene	< 0.5	< 0.5	< 0.5
tert-Butylbenzene	< 0.5	< 0.5	< 0.5
1,2,4-Trimethylbenzene	< 0.5	< 0.5	< 0.5
sec-Butylbenzene	< 0.5	< 0.5	< 0.5
1,3-Dichlorobenzene	< 0.5	< 0.5	< 0.5
p-Isopropyltoluene	< 0.5	< 0.5	< 0.5
1,4-Dichlorobenzene	< 0.5	< 0.5	< 0.5
1,2-Dichlorobenzene	< 0.5	< 0.5	< 0.5
n-Butylbenzene	< 0.5	< 0.5	< 0.5
1,2-Dibromo-3-chloropropane	< 0.5	< 0.5	< 0.5
1,3,5-Trichlorobenzene	< 0.5	< 0.5	< 0.5
1,2,4-Trichlorobenzene	< 0.5	< 0.5	< 0.5
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5
Naphthalene	< 0.5	< 0.5	< 0.5
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	**89 %R**	**89 %R**	**91 %R**
1,2-Dichlorobenzene-d4 (surr)	**104 %R**	**102 %R**	**103 %R**

QC REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 0.5	* 14 (142 %R)	* 14 (145 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Chloromethane	< 0.5	8.4 (84 %R)	8.6 (86 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Vinyl chloride	< 0.5	11 (106 %R)	11 (105 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Bromomethane	< 0.5	* 5.4 (54 %R)	* 6.8 (68 %R) (23 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Chloroethane	< 0.5	11 (108 %R)	11 (106 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Trichlorofluoromethane	< 0.5	10 (102 %R)	10 (103 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Diethyl Ether	< 5	9 (90 %R)	9 (90 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Acetone	< 10	< 10 (79 %R)	< 10 (78 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,1-Dichloroethene	< 0.5	9.1 (91 %R)	9.2 (92 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
tert-Butyl Alcohol (TBA)	< 30	40 (70 %R)	* 30 (66 %R) (6 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Methylene chloride	< 0.5	9.6 (96 %R)	9.7 (97 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Carbon disulfide	< 2	7 (75 %R)	8 (76 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Methyl-t-butyl ether(MTBE)	< 0.5	7.2 (72 %R)	7.3 (73 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Ethyl-t-butyl ether(ETBE)	< 0.5	* 6.8 (68 %R)	* 6.9 (69 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Isopropyl ether(DIPE)	< 0.5	7.5 (75 %R)	7.6 (76 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
tert-amyl methyl ether(TAME)	< 0.5	* 6.5 (65 %R)	* 6.6 (66 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
trans-1,2-Dichloroethene	< 0.5	8.9 (89 %R)	8.9 (89 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Vinyl acetate	< 10	< 10 (78 %R)	< 10 (75 %R) (4 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,1-Dichloroethane	< 0.5	8.9 (89 %R)	9.0 (90 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
2,2-Dichloropropane	< 0.5	* 5.6 (56 %R)	* 5.7 (57 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
cis-1,2-Dichloroethene	< 0.5	9.5 (95 %R)	9.5 (95 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
2-Butanone(MEK)	< 5	7 (75 %R)	8 (76 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Bromochloromethane	< 0.5	9.2 (92 %R)	9.4 (94 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Tetrahydrofuran(THF)	< 5	7 (71 %R)	7 (71 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Chloroform	< 0.5	9.6 (96 %R)	9.6 (96 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,1,1-Trichloroethane	< 0.5	8.5 (85 %R)	8.6 (86 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Carbon tetrachloride	< 0.5	8.8 (88 %R)	9.0 (90 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,1-Dichloropropene	< 0.5	8.5 (85 %R)	8.7 (87 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Benzene	< 0.5	9.2 (92 %R)	9.2 (92 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,2-Dichloroethane	< 0.5	9.3 (93 %R)	9.2 (92 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Trichloroethene	< 0.5	8.7 (87 %R)	8.8 (88 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,2-Dichloropropane	< 0.5	8.6 (86 %R)	8.6 (86 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Dibromomethane	< 0.5	9.6 (96 %R)	9.4 (94 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Bromodichloromethane	< 0.5	8.8 (88 %R)	8.9 (89 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
4-Methyl-2-pentanone(MIBK)	< 5	7 (72 %R)	7 (74 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
cis-1,3-Dichloropropene	< 0.3	7.6 (76 %R)	7.7 (77 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Toluene	< 0.5	9.3 (93 %R)	9.3 (93 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
trans-1,3-Dichloropropene	< 0.3	7.7 (77 %R)	7.8 (78 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,1,2-Trichloroethane	< 0.5	9.4 (94 %R)	9.4 (94 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
2-Hexanone	< 5	8 (76 %R)	7 (74 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Tetrachloroethene	< 0.5	10 (102 %R)	10 (103 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,3-Dichloropropane	< 0.5	9.6 (96 %R)	9.4 (94 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Dibromochloromethane	< 0.5	9.5 (95 %R)	9.5 (95 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,2-Dibromoethane(EDB)	< 0.5	9.0 (90 %R)	8.9 (89 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Chlorobenzene	< 0.5	9.4 (94 %R)	9.5 (95 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2

QC REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,1,1,2-Tetrachloroethane	< 0.5	9.4 (94 %R)	9.2 (92 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Ethylbenzene	< 0.5	9.5 (95 %R)	9.6 (96 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
mp-Xylene	< 0.5	19 (96 %R)	20 (98 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
o-Xylene	< 0.5	9.2 (92 %R)	9.3 (93 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Styrene	< 0.5	9.3 (93 %R)	9.4 (94 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Bromoform	< 0.5	11 (111 %R)	11 (109 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
IsoPropylbenzene	< 0.5	10 (102 %R)	10 (103 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Bromobenzene	< 0.5	9.6 (96 %R)	9.6 (96 %R) (0 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,1,2,2-Tetrachloroethane	< 0.5	9.1 (91 %R)	8.9 (89 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,2,3-Trichloropropane	< 0.5	9.3 (93 %R)	9.0 (90 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
n-Propylbenzene	< 0.5	9.7 (97 %R)	9.9 (99 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
2-Chlorotoluene	< 0.5	9.2 (92 %R)	9.4 (94 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
4-Chlorotoluene	< 0.5	9.4 (94 %R)	9.6 (96 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,3,5-Trimethylbenzene	< 0.5	9.6 (96 %R)	9.8 (98 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
tert-Butylbenzene	< 0.5	9.6 (96 %R)	9.8 (98 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,2,4-Trimethylbenzene	< 0.5	9.7 (97 %R)	9.9 (99 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
sec-Butylbenzene	< 0.5	9.6 (96 %R)	9.9 (99 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,3-Dichlorobenzene	< 0.5	9.5 (95 %R)	9.8 (98 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
p-Isopropyltoluene	< 0.5	9.7 (97 %R)	10 (100 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,4-Dichlorobenzene	< 0.5	9.6 (96 %R)	9.8 (98 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,2-Dichlorobenzene	< 0.5	9.6 (96 %R)	9.8 (98 %R) (2 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
n-Butylbenzene	< 0.5	9.4 (94 %R)	9.8 (98 %R) (4 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,2-Dibromo-3-chloropropane	< 0.5	8.8 (88 %R)	8.7 (87 %R) (1 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,3,5-Trichlorobenzene	< 0.5	9.4 (94 %R)	9.7 (97 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,2,4-Trichlorobenzene	< 0.5	9.2 (92 %R)	9.8 (98 %R) (6 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Hexachlorobutadiene	< 0.5	8.9 (89 %R)	9.5 (95 %R) (7 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
Naphthalene	< 0.5	8.6 (86 %R)	9.0 (90 %R) (5 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
1,2,3-Trichlorobenzene	< 0.5	9.3 (93 %R)	9.6 (96 %R) (3 RPD)	8/25/2010	ug/l	70 - 130	30	524.2
4-Bromofluorobenzene (surr)	91 %R	100 %R	98 %R	8/25/2010	% Rec	70 - 130		524.2
1,2-Dichlorobenzene-d4 (surr)	102 %R	110 %R	109 %R	8/25/2010	% 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.

Analytes that exceed the acceptance limits high in the quality control samples but are not detected in the field samples do not impact the data. For analytes that show low recovery in the quality control samples and are not detected in the field samples, a low point calibration standard is analyzed to support the reporting limit.

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-4-0810	GW-MW-9-0810	GW-AE-2A-0810	GW-AE-2B-0810	GW-MW-11-0810	GW-OP-2-0810	GW-OP-5-0810
Lab Sample ID:	92049.01	92049.02	92049.03	92049.04	92049.07	92049.08	92049.09
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/17/10	8/17/10	8/17/10	8/17/10	8/18/10	8/18/10	8/18/10
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/24/10	8/24/10	8/24/10	8/27/10	8/24/10	8/27/10	8/24/10
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	1	1	1
1,4-Dioxane	**6**	**16**	**12**	**110**	**45**	**1**	< 1
4-Bromofluorobenzene (surr)	**103 %R**	**106 %R**	**104 %R**	**103 %R**	**105 %R**	**101 %R**	**105 %R**
Toluene-d8 (surr)	**102 %R**	**102 %R**	**102 %R**	**103 %R**	**103 %R**	**101 %R**	**102 %R**

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-FPC-8A-0810	GW-MW-5S-0810	GW-MW-5S-DUP-0810	GW-FPC-8B-0810	Tubing	GW-MW-5S-FB-0810	Trip Blank 14 Diox
Lab Sample ID:	92049.15	92049.17	92049.18	92049.21	92049.24	92049.25	92049.27
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/18/10	8/19/10	8/19/10	8/17/10	8/19/10	8/19/10	7/14/10
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/24/10	8/27/10	8/27/10	8/27/10	8/25/10	8/25/10	8/25/10
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	1	1	1
1,4-Dioxane	< 1	**90**	**90**	**1**	< 1	< 1	< 1
4-Bromofluorobenzene (surr)	**105 %R**	**103 %R**	**104 %R**	**102 %R**	**107 %R**	**106 %R**	**107 %R**
Toluene-d8 (surr)	**103 %R**	**102 %R**	**101 %R**	**101 %R**	**104 %R**	**102 %R**	**103 %R**

QC REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	4 (81 %R)	4 (85 %R) (5 RPD)	8/24/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	104 %R	105 %R	105 %R	8/24/2010	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	102 %R	104 %R	102 %R	8/24/2010	% 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.

QC REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	5 (100 %R)	5 (110 %R) (10 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	105 %R	106 %R	108 %R	8/25/2010	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	102 %R	103 %R	103 %R	8/25/2010	% 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.

QC REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	6 (123 %R)	6 (122 %R) (1 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	102 %R	103 %R	104 %R	8/27/2010	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	101 %R	100 %R	101 %R	8/27/2010	% 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.

QC REPORT

Eastern Analytical, Inc. ID#: **92049** **Batch ID:**

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	92049.17	90	150 (130 %R)	140 (105 %R) (21 RPD)	8/27/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	92049.17	100 %R	104 %R	102 %R	8/27/2010	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	92049.17	97 %R	104 %R	103 %R	8/27/2010	% 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.

The RPD deviated from acceptabilty criteria.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-4-0810	GW-MW-9-0810	GW-AE-2A-0810	GW-AE-2B-0810	GW-MW-11-0810	GW-OP-2-0810
Lab Sample ID:	92049.01	92049.02	92049.03	92049.04	92049.07	92049.08
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/17/10	8/17/10	8/17/10	8/17/10	8/18/10	8/18/10
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Extraction/Prep:	8/20/10	8/20/10	8/20/10	8/20/10	8/20/10	8/20/10
Date of Analysis:	8/20/10	8/20/10	8/20/10	8/20/10	8/20/10	8/20/10
Analyst:	JMR	JMR	JMR	JMR	JMR	JMR
Method:	8011/504	8011/504	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**79 %R**	**99 %R**	**98 %R**	**95 %R**	**97 %R**	**102 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-OP-5-0810	GW-FPC-8A-0810	GW-MW-5S-0810	GW-MW-5S-DUP-0810	GW-FPC-8B-0810	Tubing
Lab Sample ID:	92049.09	92049.15	92049.17	92049.18	92049.21	92049.24
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/18/10	8/18/10	8/19/10	8/19/10	8/19/10	8/19/10
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10	8/19/10
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Extraction/Prep:	8/20/10	8/20/10	8/20/10	8/20/10	8/20/10	8/20/10
Date of Analysis:	8/20/10	8/20/10	8/20/10	8/20/10	8/20/10	8/20/10
Analyst:	JMR	JMR	JMR	JMR	JMR	JMR
Method:	8011/504	8011/504	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**101 %R**	**92 %R**	**93 %R**	**97 %R**	**95 %R**	**101 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-5S-0810
Lab Sample ID:	92049.25
Matrix:	aqueous
Date Sampled:	8/19/10
Date Received:	8/19/10
Units:	ug/l
Date of Extraction/Prep:	8/20/10
Date of Analysis:	8/20/10
Analyst:	JMR
Method:	8011/504
Dilution Factor:	1

1,2-Dibromoethane(EDB)	< 0.02
Dibromochloropropane (DBCP)	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**100 %R**

QC REPORT

Eastern Analytical, Inc. ID#: 92049 **Batch ID:** 734004-53112/A082010EDBDB1

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	< 0.02	0.11 (108 %R)	0.11 (111 %R) (3 RPD)	8/20/2010	ug/l	70 - 130	20	8011/504
Dibromochloropropane (DBCP)	< 0.02	0.11 (111 %R)	0.10 (104 %R) (7 RPD)	8/20/2010	ug/l	70 - 130	20	8011/504
1,1,1,2-Tetrachloroethane (surr)	108 %R	87 %R	87 %R	8/20/2010	% Rec	65 - 135	20	8011/504

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.

QC REPORT

Eastern Analytical, Inc. ID#: **92049** **Batch ID:** 734004-53112/A082010EDBDB1

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	92049.17	< 0.02	0.10 (103 %R)	0.11 (105 %R) (2 RPD)	8/20/2010	ug/l	70 - 130	20	8011/50
Dibromochloropropane	92049.17	< 0.02	0.09 (94 %R)	0.10 (103 %R) (9 RPD)	8/20/2010	ug/l	70 - 130	20	8011/50
1,1,1,2-Tetrachloroethane	92049.17	93 %R	116 %R	79 %R	8/20/2010	% Rec	65 - 135	20	8011/50

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.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-4-0810	GW-MW-9-0810	GW-AE-2A-0810	GW-AE-2B-0810					
Lab Sample ID:	92049.01	92049.02	92049.03	92049.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/17/10	8/17/10	8/17/10	8/17/10					
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Aluminum	**0.14**	< 0.05	< 0.05	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Arsenic	**0.064**	**0.12**	**0.24**	**0.016**	AqTot	mg/L	8/24/10	200.8	DS
Barium	**0.071**	**0.12**	**0.032**	**0.12**	AqTot	mg/L	8/24/10	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Calcium	**66**	**68**	**28**	**45**	AqTot	mg/L	8/24/10	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Chromium	< 0.001	**0.001**	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Copper	**0.002**	**0.001**	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Cobalt	**0.004**	**0.002**	**0.011**	**0.002**	AqTot	mg/L	8/24/10	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Magnesium	**19**	**24**	**11**	**29**	AqTot	mg/L	8/24/10	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/24/10	200.8	DS
Nickel	**0.008**	**0.005**	**0.009**	**0.009**	AqTot	mg/L	8/24/10	200.8	DS
Potassium	**30**	**19**	**17**	**12**	AqTot	mg/L	8/24/10	200.8	DS
Selenium	**0.004**	**0.006**	**0.003**	**0.009**	AqTot	mg/L	8/24/10	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Sodium	**31**	**60**	**35**	**160**	AqTot	mg/L	8/24/10	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Vanadium	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Zinc	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Iron	**22**	**55**	**16**	**6.8**	AqTot	mg/L	8/24/10	200.8	DS
Iron	**21**	**48**	**16**	**6.1**	AqDis	mg/L	8/24/10	200.8	DS
Manganese	**1.1**	**1.4**	**0.70**	**1.3**	AqTot	mg/L	8/24/10	200.8	DS
Manganese	**1.0**	**1.3**	**0.66**	**1.2**	AqDis	mg/L	8/24/10	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-FPC-2B-0810	GW-OP-2-0810	GW-OP-5-0810	GW-AE-4A-0810					
Lab Sample ID:	92049.05	92049.08	92049.09	92049.1					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/17/10	8/18/10	8/18/10	8/18/10					
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Aluminum	**0.09**	< 0.05	< 0.05	**0.06**	AqTot	mg/L	8/24/10	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Arsenic	**0.003**	**0.22**	**0.019**	**0.002**	AqTot	mg/L	8/24/10	200.8	DS
Barium	**0.012**	**0.016**	**0.015**	**0.012**	AqTot	mg/L	8/24/10	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Calcium	**7.0**	**39**	**9.2**	**6.0**	AqTot	mg/L	8/24/10	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Copper	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Cobalt	< 0.001	**0.005**	**0.017**	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Magnesium	**1.0**	**9.4**	**2.3**	**4.9**	AqTot	mg/L	8/24/10	200.8	DS
Mercury	**0.0001**	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/24/10	200.8	DS
Nickel	< 0.001	**0.009**	**0.027**	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Potassium	**4.6**	**16**	**1.8**	**2.3**	AqTot	mg/L	8/24/10	200.8	DS
Selenium	**0.001**	**0.002**	**0.001**	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Sodium	**38**	**15**	**8**	**7**	AqTot	mg/L	8/24/10	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Vanadium	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Zinc	**0.005**	< 0.005	< 0.005	**0.006**	AqTot	mg/L	8/24/10	200.8	DS
Iron	**0.22**	**44**	**11**	**5.0**	AqTot	mg/L	8/24/10	200.8	DS
Iron	< 0.05	**37**	**11**	**1.5**	AqDis	mg/L	8/24/10	200.8	DS
Manganese	**0.021**	**0.76**	**2.2**	**0.29**	AqTot	mg/L	8/24/10	200.8	DS
Manganese	**0.012**	**0.64**	**2.3**	**0.29**	AqDis	mg/L	8/24/10	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-AE-4B-0810	GW-FPC-4B-0810	GW-GZ-105-0810	GW-MW-5S-0810					
Lab Sample ID:	92049.11	92049.12	92049.16	92049.17					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/18/10	8/18/10	8/18/10	8/19/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10					
Aluminum	**0.79**	< 0.05	< 0.05	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Arsenic	< 0.001	< 0.001	**0.015**	**0.016**	AqTot	mg/L	8/24/10	200.8	DS
Barium	**0.013**	**0.006**	**0.060**	**0.18**	AqTot	mg/L	8/24/10	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Calcium	**7.0**	**4.7**	**73**	**34**	AqTot	mg/L	8/24/10	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Chromium	**0.001**	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Copper	**0.002**	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Cobalt	< 0.001	< 0.001	< 0.001	**0.004**	AqTot	mg/L	8/24/10	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Magnesium	**5.3**	**2.9**	**24**	**22**	AqTot	mg/L	8/24/10	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/24/10	200.8	DS
Nickel	**0.001**	< 0.001	**0.009**	**0.011**	AqTot	mg/L	8/24/10	200.8	DS
Potassium	**3.8**	**1.9**	**6.5**	**22**	AqTot	mg/L	8/24/10	200.8	DS
Selenium	< 0.001	< 0.001	**0.011**	**0.008**	AqTot	mg/L	8/24/10	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Sodium	**18**	**7**	**160**	**99**	AqTot	mg/L	8/24/10	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Vanadium	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Zinc	**0.006**	**0.005**	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Iron	**1.2**	< 0.05	**4.8**	**13**	AqTot	mg/L	8/24/10	200.8	DS
Iron	< 0.05	< 0.05	**4.5**	**12**	AqDis	mg/L	8/24/10	200.8	DS
Manganese	**0.19**	< 0.005	**0.46**	**2.9**	AqTot	mg/L	8/24/10	200.8	DS
Manganese	**0.023**	< 0.005	**0.45**	**2.8**	AqDis	mg/L	8/24/10	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-5S-DUP-0810	GW-FPC-6A-0810	GW-FPC-6B-0810	GW-FPC-8B-0810					
Lab Sample ID:	92049.18	92049.19	92049.2	92049.21					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/19/10	8/19/10	8/19/10	8/17/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10					
Aluminum	< 0.05	**0.06**	< 0.05	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Arsenic	**0.016**	**0.030**	**0.003**	**0.007**	AqTot	mg/L	8/24/10	200.8	DS
Barium	**0.18**	**0.045**	**0.077**	**0.008**	AqTot	mg/L	8/24/10	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Calcium	**34**	**39**	**24**	**22**	AqTot	mg/L	8/24/10	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Copper	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Cobalt	**0.004**	**0.005**	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Magnesium	**23**	**17**	**13**	**4.8**	AqTot	mg/L	8/24/10	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/24/10	200.8	DS
Nickel	**0.011**	**0.006**	**0.004**	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Potassium	**22**	**8.6**	**7.4**	**2.9**	AqTot	mg/L	8/24/10	200.8	DS
Selenium	**0.008**	**0.005**	**0.004**	**0.002**	AqTot	mg/L	8/24/10	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Sodium	**98**	**120**	**110**	**17**	AqTot	mg/L	8/24/10	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Vanadium	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Zinc	**0.006**	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Iron	**13**	**4.1**	**7.1**	**0.09**	AqTot	mg/L	8/24/10	200.8	DS
Iron	**12**	**3.9**	**6.8**	< 0.05	AqDis	mg/L	8/24/10	200.8	DS
Manganese	**2.9**	**3.6**	**0.40**	**0.032**	AqTot	mg/L	8/24/10	200.8	DS
Manganese	**2.8**	**3.6**	**0.39**	**0.028**	AqDis	mg/L	8/24/10	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	Tubing GW-MW-5S-F B-0810	
Lab Sample ID:	92049.24	92049.25
Matrix:	aqueous	aqueous
Date Sampled:	8/19/10	8/19/10
Date Received:	8/19/10	8/19/10

			Analytical Matrix	Units	Date of Analysis	Method	Analyst
Aluminum	< 0.05	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Antimony	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Arsenic	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Barium	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Beryllium	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Calcium	**0.09**	**0.09**	AqTot	mg/L	8/24/10	200.8	DS
Cadmium	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Chromium	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Copper	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Cobalt	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Lead	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Magnesium	< 0.05	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Mercury	< 0.0001	< 0.0001	AqTot	mg/L	8/24/10	200.8	DS
Nickel	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Potassium	< 0.05	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Selenium	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Silver	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Sodium	< 5	< 5	AqTot	mg/L	8/24/10	200.8	DS
Thallium	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Vanadium	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Zinc	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Iron	< 0.05	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Iron	< 0.05	< 0.05	AqDis	mg/L	8/24/10	200.8	DS
Manganese	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Manganese	< 0.005	< 0.005	AqDis	mg/L	8/24/10	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-10-0810	GW-MW-11-0810	GW-FPC-5A-0810	GW-FPC-5B-0810					
Lab Sample ID:	92049.06	92049.07	92049.13	92049.14					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/18/10	8/18/10	8/18/10	8/18/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/19/10	8/19/10	8/19/10	8/19/10					
Aluminum	< 0.05	< 0.05	< 0.05	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Arsenic	**0.019**	**0.011**	**0.055**	**0.003**	AqTot	mg/L	8/24/10	200.8	DS
Barium	**0.071**	**0.074**	**0.12**	**0.042**	AqTot	mg/L	8/24/10	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Calcium	**64**	**21**	**42**	**5.9**	AqTot	mg/L	8/24/10	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Copper	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Cobalt	**0.003**	**0.002**	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Iron	**35**	**13**	**9.4**	**0.22**	AqTot	mg/L	8/24/10	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Magnesium	**18**	**17**	**22**	**3.6**	AqTot	mg/L	8/24/10	200.8	DS
Manganese	**2.7**	**0.34**	**0.10**	**0.070**	AqTot	mg/L	8/24/10	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/24/10	200.8	DS
Nickel	**0.006**	**0.006**	**0.007**	**0.006**	AqTot	mg/L	8/24/10	200.8	DS
Potassium	**13**	**8.1**	**23**	**6.2**	AqTot	mg/L	8/24/10	200.8	DS
Selenium	**0.005**	**0.004**	**0.005**	**0.011**	AqTot	mg/L	8/24/10	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Sodium	**72**	**100**	**110**	**260**	AqTot	mg/L	8/24/10	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Vanadium	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Zinc	**0.006**	< 0.005	**0.006**	< 0.005	AqTot	mg/L	8/24/10	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID: GW-FPC-8A-0810

Lab Sample ID: 92049.15
Matrix: aqueous
Date Sampled: 8/18/10
Date Received: 8/19/10

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Aluminum	**2.5**	AqTot	mg/L	8/24/10	200.8	DS
Antimony	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Arsenic	**0.007**	AqTot	mg/L	8/24/10	200.8	DS
Barium	**0.017**	AqTot	mg/L	8/24/10	200.8	DS
Beryllium	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Calcium	**20**	AqTot	mg/L	8/24/10	200.8	DS
Cadmium	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Chromium	**0.006**	AqTot	mg/L	8/24/10	200.8	DS
Copper	**0.004**	AqTot	mg/L	8/24/10	200.8	DS
Cobalt	**0.002**	AqTot	mg/L	8/24/10	200.8	DS
Iron	**4.1**	AqTot	mg/L	8/24/10	200.8	DS
Lead	**0.002**	AqTot	mg/L	8/24/10	200.8	DS
Magnesium	**3.7**	AqTot	mg/L	8/24/10	200.8	DS
Manganese	**0.21**	AqTot	mg/L	8/24/10	200.8	DS
Mercury	< 0.0001	AqTot	mg/L	8/24/10	200.8	DS
Nickel	**0.005**	AqTot	mg/L	8/24/10	200.8	DS
Potassium	**2.3**	AqTot	mg/L	8/24/10	200.8	DS
Selenium	**0.002**	AqTot	mg/L	8/24/10	200.8	DS
Silver	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Sodium	**12**	AqTot	mg/L	8/24/10	200.8	DS
Thallium	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Vanadium	**0.006**	AqTot	mg/L	8/24/10	200.8	DS
Zinc	**0.012**	AqTot	mg/L	8/24/10	200.8	DS

QC REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	< 0.05	11 (102 %R)		mg/L	8/24/10	85 - 115	20	200.8
Antimony	< 0.001	0.97 (97 %R)		mg/L	8/24/10	85 - 115	20	200.8
Arsenic	< 0.001	0.94 (94 %R)		mg/L	8/24/10	85 - 115	20	200.8
Barium	< 0.001	0.95 (95 %R)		mg/L	8/24/10	85 - 115	20	200.8
Beryllium	< 0.001	1.0 (101 %R)		mg/L	8/24/10	85 - 115	20	200.8
Calcium	< 0.05	12 (105 %R)		mg/L	8/24/10	85 - 115	20	200.8
Cadmium	< 0.001	0.95 (95 %R)		mg/L	8/24/10	85 - 115	20	200.8
Chromium	< 0.001	0.95 (95 %R)		mg/L	8/24/10	85 - 115	20	200.8
Copper	< 0.001	0.88 (88 %R)		mg/L	8/24/10	85 - 115	20	200.8
Cobalt	< 0.001	0.94 (94 %R)		mg/L	8/24/10	85 - 115	20	200.8
Iron	< 0.05	11 (103 %R)		mg/L	8/24/10	85 - 115	20	200.8
Lead	< 0.001	0.96 (96 %R)		mg/L	8/24/10	85 - 115	20	200.8
Magnesium	< 0.05	11 (104 %R)		mg/L	8/24/10	85 - 115	20	200.8
Manganese	< 0.005	0.97 (97 %R)		mg/L	8/24/10	85 - 115	20	200.8
Mercury	< 0.0001	0.0010 (101 %R)		mg/L	8/24/10	85 - 115	20	200.8
Nickel	< 0.001	0.91 (91 %R)		mg/L	8/24/10	85 - 115	20	200.8
Potassium	< 0.05	12 (106 %R)		mg/L	8/24/10	85 - 115	20	200.8
Selenium	< 0.001	0.95 (95 %R)		mg/L	8/24/10	85 - 115	20	200.8
Silver	< 0.001	0.090 (90 %R)		mg/L	8/24/10	85 - 115	20	200.8
Sodium	< 5	11 (104 %R)		mg/L	8/24/10	85 - 115	20	200.8
Thallium	< 0.001	0.97 (97 %R)		mg/L	8/24/10	85 - 115	20	200.8
Vanadium	< 0.005	0.97 (97 %R)		mg/L	8/24/10	85 - 115	20	200.8
Zinc	< 0.005	0.96 (96 %R)		mg/L	8/24/10	85 - 115	20	200.8

Totals (QC Digestion Batch A)

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.

QC REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	92049.17	< 0.05	9.9 (90 %R)	10 (94 %R) (4 RPD)	mg/L	8/24/10	70-130	20	200.8
Antimony	92049.17	< 0.001	1.0 (101 %R)	1.1 (106 %R) (5 RPD)	mg/L	8/24/10	70-130	20	200.8
Arsenic	92049.17	0.016	0.96 (94 %R)	0.98 (97 %R) (3 RPD)	mg/L	8/24/10	70-130	20	200.8
Barium	92049.17	0.18	1.2 (99 %R)	1.2 (103 %R) (4 RPD)	mg/L	8/24/10	70-130	20	200.8
Beryllium	92049.17	< 0.001	0.84 (84 %R)	0.88 (88 %R) (5 RPD)	mg/L	8/24/10	70-130	20	200.8
Calcium	92049.17	34	45 (95 %R)	45 (102 %R) (7 RPD)	mg/L	8/24/10	70-130	20	200.8
Cadmium	92049.17	< 0.001	0.94 (94 %R)	0.98 (98 %R) (4 RPD)	mg/L	8/24/10	70-130	20	200.8
Chromium	92049.17	< 0.001	0.81 (81 %R)	0.83 (83 %R) (2 RPD)	mg/L	8/24/10	70-130	20	200.8
Copper	92049.17	< 0.001	0.72 (72 %R)	0.74 (74 %R) (3 RPD)	mg/L	8/24/10	70-130	20	200.8
Cobalt	92049.17	0.004	0.80 (79 %R)	0.82 (82 %R) (4 RPD)	mg/L	8/24/10	70-130	20	200.8
Iron	92049.17	13	23 (90 %R)	23 (91 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8
Lead	92049.17	< 0.001	0.91 (91 %R)	0.96 (96 %R) (5 RPD)	mg/L	8/24/10	70-130	20	200.8
Magnesium	92049.17	22	31 (87 %R)	32 (94 %R) (8 RPD)	mg/L	8/24/10	70-130	20	200.8
Manganese	92049.17	2.9	3.8 (91 %R)	3.8 (89 %R) (2 RPD)	mg/L	8/24/10	70-130	20	200.8
Mercury	92049.17	< 0.0001	0.0010 (95 %R)	0.0010 (97 %R) (2 RPD)	mg/L	8/24/10	70-130	20	200.8
Nickel	92049.17	0.011	0.77 (75 %R)	0.79 (78 %R) (4 RPD)	mg/L	8/24/10	70-130	20	200.8
Potassium	92049.17	22	32 (93 %R)	33 (98 %R) (5 RPD)	mg/L	8/24/10	70-130	20	200.8
Selenium	92049.17	0.008	0.91 (90 %R)	0.92 (92 %R) (2 RPD)	mg/L	8/24/10	70-130	20	200.8
Silver	92049.17	< 0.001	0.79 (79 %R)	0.79 (79 %R) (0 RPD)	mg/L	8/24/10	70-130	20	200.8
Sodium	92049.17	99	200 (104 %R)	200 (102 %R) (2 RPD)	mg/L	8/24/10	70-130	20	200.8
Thallium	92049.17	< 0.001	0.94 (94 %R)	0.98 (98 %R) (4 RPD)	mg/L	8/24/10	70-130	20	200.8
Vanadium	92049.17	< 0.005	0.84 (84 %R)	0.87 (86 %R) (2 RPD)	mg/L	8/24/10	70-130	20	200.8
Zinc	92049.17	< 0.005	0.77 (77 %R)	0.80 (79 %R) (3 RPD)	mg/L	8/24/10	70-130	20	200.8

Totals (QC Digestion Batch A)

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.

QC REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	< 0.05	11 (105 %R)		mg/L	8/24/10	85 - 115	20	200.8
Antimony	< 0.001	0.98 (98 %R)		mg/L	8/24/10	85 - 115	20	200.8
Arsenic	< 0.001	0.95 (95 %R)		mg/L	8/24/10	85 - 115	20	200.8
Barium	< 0.001	0.97 (97 %R)		mg/L	8/24/10	85 - 115	20	200.8
Beryllium	< 0.001	1.0 (104 %R)		mg/L	8/24/10	85 - 115	20	200.8
Calcium	< 0.05	12 (106 %R)		mg/L	8/24/10	85 - 115	20	200.8
Cadmium	< 0.001	0.97 (97 %R)		mg/L	8/24/10	85 - 115	20	200.8
Chromium	< 0.001	0.94 (94 %R)		mg/L	8/24/10	85 - 115	20	200.8
Copper	< 0.001	0.89 (89 %R)		mg/L	8/24/10	85 - 115	20	200.8
Cobalt	< 0.001	0.94 (94 %R)		mg/L	8/24/10	85 - 115	20	200.8
Iron	< 0.05	11 (102 %R)		mg/L	8/24/10	85 - 115	20	200.8
Lead	< 0.001	0.96 (96 %R)		mg/L	8/24/10	85 - 115	20	200.8
Magnesium	< 0.05	12 (106 %R)		mg/L	8/24/10	85 - 115	20	200.8
Manganese	< 0.005	0.96 (96 %R)		mg/L	8/24/10	85 - 115	20	200.8
Mercury	< 0.0001	0.0010 (100 %R)		mg/L	8/24/10	85 - 115	20	200.8
Nickel	< 0.001	0.91 (91 %R)		mg/L	8/24/10	85 - 115	20	200.8
Potassium	< 0.05	12 (106 %R)		mg/L	8/24/10	85 - 115	20	200.8
Selenium	< 0.001	0.96 (96 %R)		mg/L	8/24/10	85 - 115	20	200.8
Silver	< 0.001	0.093 (93 %R)		mg/L	8/24/10	85 - 115	20	200.8
Sodium	< 5	12 (106 %R)		mg/L	8/24/10	85 - 115	20	200.8
Thallium	< 0.001	0.98 (98 %R)		mg/L	8/24/10	85 - 115	20	200.8
Vanadium	< 0.005	0.97 (97 %R)		mg/L	8/24/10	85 - 115	20	200.8
Zinc	< 0.005	0.96 (96 %R)		mg/L	8/24/10	85 - 115	20	200.8

Totals (QC Digestion Batch B)

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.

QC REPORT

Eastern Analytical, Inc. ID#: 92049

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Iron	< 0.05	11 (103 %R)		mg/L	8/24/10	85 - 115	20	200.8
Manganese	< 0.005	0.97 (97 %R)		mg/L	8/24/10	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	92049.17	12	22 (88 %R)	22 (89 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8
Manganese	92049.17	2.8	3.6 (78 %R)	3.6 (80 %R) (3 RPD)	mg/L	8/24/10	70-130	20	200.8

Dissolved

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 3

CHAIN-OF-CUSTODY RECORD

92049

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: 8260B, 624 VTICS, 1,4 DIOXANE, EDB, DBCP	VOC: 8021B BTEX HALOS	VOC: 8015B GRO MEGRO MAVPH	SVOC: 8270C 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: TSS TDS SPEC. CON.	INORGANICS: BR Cl F SO4, NO2 NO3/NO2	INORGANICS: BOD CBOD T. ALK.	INORGANICS: TKN NH3 T. PHOS.	INORGANICS: pH T. RES CHLORINE	INORGANICS: COD PHENOLS TOC	INORGANICS: TOTAL CYANIDE TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE REACTIVE SULFIDE, FLASHPOINT IGNITABILITY	MICRO: T. COLIFORM E. COLI, F. COLIFORM	MICRO: ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER: 1,4-DIOXANE	OTHER: EDB, DBCP	# OF CONTAINERS	NOTES MEOH VIAL #
GW-MW-4-0810	8-17-10/20:15	GW	G												X	X											X	X	6
GW-MW-9-0810	20:00														X	X											X	X	6
GW-AE-2A-0810	17:45					X									X	X											X	X	8
GW-AE-2B-0810	16:55					X									X	X											X	X	8
GW-FPC-2B-0810	20:41					X									X	X													4
GW-MW-10-0810	8-18-10/9:25															X													1
GW-MW-11-0810	16:35					X										X											X	X	7
GW-OP-2-0810	19:35														X	X											X	X	6
GW-OP-5-0810	18:25														X	X											X	X	6
GW-AE-4A-0810	15:05					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 389

CITY: Contoocook STATE: NH ZIP: 03229

PHONE: 603-746-3220 EXT.:

FAX: 746-5642

E-MAIL:

SITE NAME: Coakley Landfill

PROJECT #: P0041

STATE: (NH) MA ME VT OTHER:

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

QUOTE #: 1008260 PO #:

DATE NEEDED: Standard T.A.T

QA/QC (Special)

REPORTING LEVEL

A B C

OR

MA MCP

PRESUMPTIVE CERTAINTY

REPORTING OPTIONS

PRELIMS: YES OR NO

IF YES: FAX OR PDF

ELECTRONIC OPTIONS

NO FAX E-MAIL (PDF) EQUIS

TEMP. 2 °C

ICE? (YES) NO

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

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
[signature]	4/19	1545	[signature]
[signature]	4/19/10	16:50	[signature]

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

OTHER METALS: Total 23 TAL 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)

CHAIN-OF-CUSTODY RECORD

92049

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

Column groups: VOC (524.2 / 524.2 BTEX / 524.2 MTBE only; 8260 / 624 / VTICs / 1,4 Dioxane / EDB / DBCP; 8021B BTEX / HALOS; 8015B GRO / MEGRO / MAVPH), SVOC (8270C / 625 / SVTICs / ABN / A / BN / PAH; TPH8100 / LI / 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 / NO2/NO3; BOD / CBOD / T. Alk.; TKN / NH3 / T. Phos.; pH / T. Res. Chlorine; COD / Phenols / TOC; Total Cyanide / Total Sulfide; Reactive Cyanide / Reactive Sulfide / Flashpoint / Ignitability), MICRO (T. Coliform / E. Coli / F. Coliform; Enterococci / Heterotrophic Plate Count), OTHER (1,4-Dioxane; EDB, DBCP), # of Containers, Notes MeOH Vial #.

Sample I.D.	Sampling Date/Time (*If Composite, Indicate Both Start & Finish Date/Time)	Matrix (see below)	Grab/*Composite	VOC 8260	Dissolved Metals	Total Metals	1,4-Dioxane	EDB, DBCP	# of Containers	Notes MeOH Vial #
GW-AE-4B-0810	8-18-10/13:35	GW	G	X	X	X			4	
GW-FPC-4B-0810	12:00			X	X	X			4	
GW-FPC-5A-0810	12:20					X			1	
GW-FPC-5B-0810	11:25					X			1	
GW-FPC-8A-0810	18:45			X		X	X	X	7	
GW-GZ-105-0810	17:30			X	X	X			4	
GW-MW-55-0810	8-19-10/14:45			X	X	X	X	X	8	
GW-MW-55-DUP-0810	14:45			X	X	X	X	X	8	
GW-FPC-6A-0810	9:40			X	X	X			4	
GW-FPC-6B-0810	11:55			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 389

CITY: Contoocook STATE: NH ZIP: 03229

PHONE: 603-746-3220 EXT.:

FAX: 746-5642

E-MAIL:

SITE NAME: Coakley Landfill

PROJECT #: P0041

STATE: (NH) MA ME VT OTHER:

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

QUOTE #: 1008260 PO #:

DATE NEEDED: Standard T.A.T.

TEMP. 3 °C

ICE? (YES) NO

QA/QC (special)

REPORTING LEVEL A B C OR MA MCP PRESUMPTIVE CERTAINTY

REPORTING OPTIONS

PRELIMS: YES OR NO

IF YES: FAX OR PDF

ELECTRONIC OPTIONS

NO FAX E-MAIL (PDF) EQUIS

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

OTHER METALS: Total 23 TAL metals

DISSOLVED METALS FIELD FILTERED? (YES) NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT) MS & MSD samples included for GW-MW-55-0810

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

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Kevin McKibben (signature)	8/19	1545	Susan Simpson (signature)
Susan Simpson (signature)	8/19/10	16:50	[illegible signature]

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

Page 3 of 3

CHAIN-OF-CUSTODY RECORD

92049

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 ONLY	VOC: 524.2 MTBE ONLY	VOC: 624 VTICS	VOC: 1,4 DIOXANE EDB DBCP	VOC: 8021B BTEX HALOS	VOC: 8015B GRO MEGRO MAVPH	SVOC: 8270C 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 NO2/NO3	INORGANICS: BOD CBOD T. ALK.	INORGANICS: TKN NH3 T. PHOS.	INORGANICS: PH T. RES. CHLORINE	INORGANICS: COD PHENOLS TOC	INORGANICS: TOTAL CYANIDE TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: T. COLIFORM E. COLI F. COLIFORM	MICRO: ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER: 1,4-DIOXANE	OTHER: EDB, DBCP	# OF CONTAINERS	NOTES MEOH VIAL #
GW-RPC-8B-0810	8-19-10 / 11:35	GW	G			X										X	X											X	X		8
DW-R-3-0810	8-17-10 / 19:05	DW		X																											2
DW-R-5-0810	8-19-10 / 13:10	DW		X																											2
Tubing	14:15					X										X	X											X	X		8
GW-MW-55-FB-0810	15:35					X										X	X											X	X		8
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 + Lorber
ADDRESS: P.O. Box 369
CITY: Contoocook STATE: NH ZIP: 03229
PHONE: 603-746-3220 EXT.:
FAX: 746-5642
E-MAIL:
SITE NAME: Coakley Landfill
PROJECT #: P0081
STATE: (NH) MA ME VT OTHER:
REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:
QUOTE #: 1008260 PO #:

DATE NEEDED: Standard T.A.T.
QA/QC (Special) REPORTING LEVEL
A B C
OR
MA MCP
PRESUMPTIVE CERTAINTY

REPORTING OPTIONS
PRELIMS: YES OR NO
IF YES: FAX OR PDF

ELECTRONIC OPTIONS
NO FAX E-MAIL (PDF) EQUIS

TEMP. 2 °C
ICE? (YES) NO

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

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Kevin McKibben	8/19	1545	Susan Simpson
Susan Simpson	8/19/10	16:50	M. Sjuk-MacLean
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA 13 PP (Dissolved) FE, MN PB, CU
OTHER METALS: Total 23 TAL 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)

8260B
Volatile Organic Analysis

Initial Calibration

IS/SS ID= V-3656 (refilled ISISS)

Standard ID= V-3661A

Analyst: WP

Gas Standard ID= V-3662

LCS/LCSD and/or MS/MSD Standard ID= V-3661 (L) V-3653(G)

Date: 7/

REAL TIME reagent blanks STD 20 non soil, Gases (G) IHD (S) Chlorobenzene

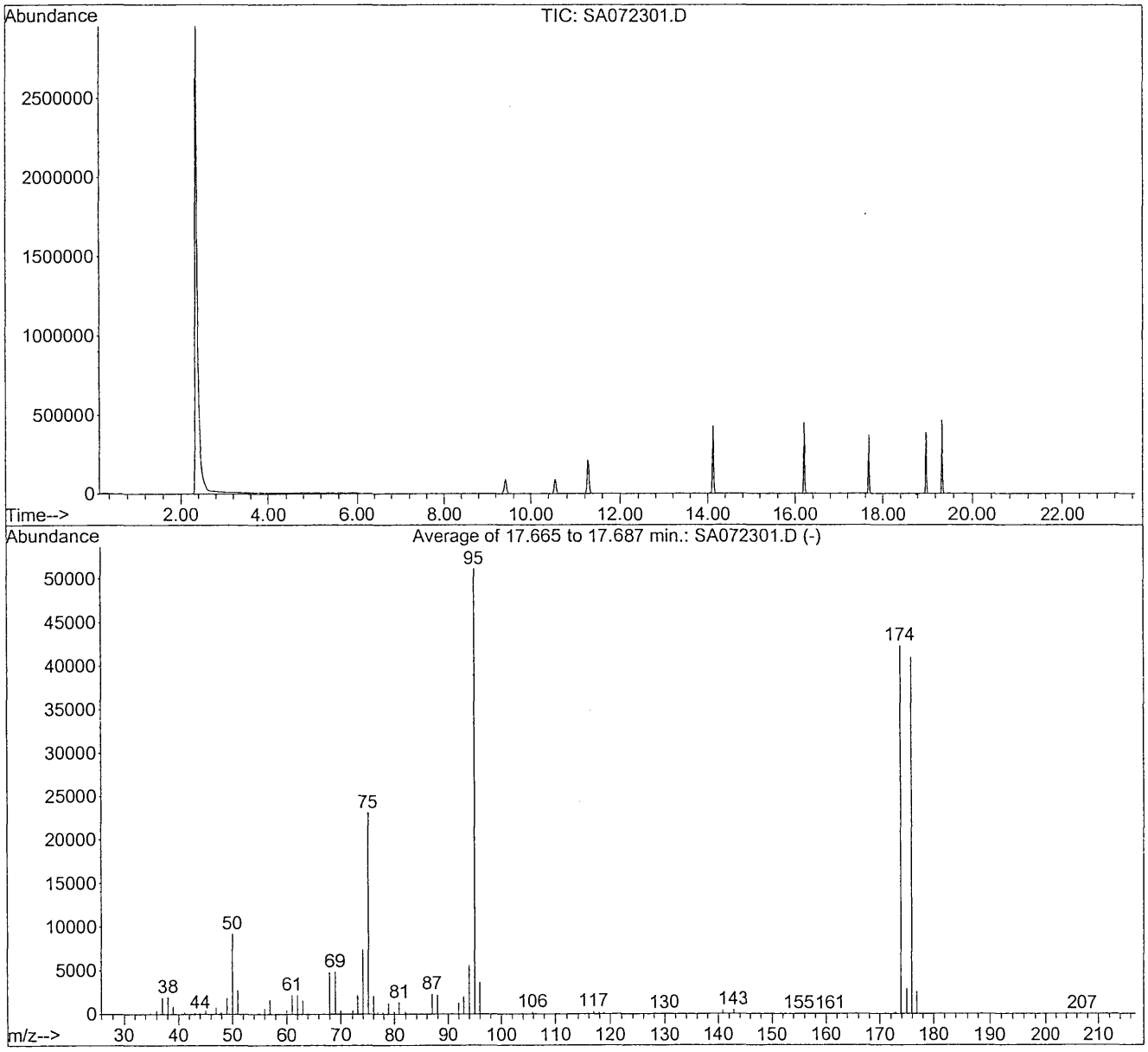
ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Metn	Anal Metn	Comments	pH<2	A
1	SAD72301	BFB					VOCMS	4VID0723	Autotind BFB		
2	02	BFB 25ng					VOCMS	4VID0723	~~FB: 314227~~ Autotind BFB		
3	03	0.2 (G) & 0.25 (L)					VOCMS	4VID0723 & 4VID0723	FB: 314227		
4	04	0.5 STD					VOCMS		FB 315761		
5	05	1 STD					VOCMS		FB 311532		
6	06	100 M					VOCMS		FB 332634		
7	07	50 G					VOCMS		FB 329835		
8	08	100 G					VOCMS		FB 331781		
9	09	2 STD					VOCMS		FB 328012		
10	10	5 STD					VOCMS		FB 330299		
11	11	10 STD					VOCMS		FB 334613		
12	12	20 STD					VOCMS	↓	FB 335008		
13	13	200 G					VOCMS	4VID0723	FB 339708		
14	14	50 M					VOCMS	4VID0723 & 4VID0723	FB 340281		
15	15	300 G					VOCMS	4VID0723	FB 348523		
16	16	200 M 2 STD					VOCMS		FB 330990		
17	17	~~Blank 200 M~~ 1 STD					VOCMS		FB 330004		
18	18	~~LCS 20 "G" Blank 200M~~					VOCMS		FB		
19	19	Blank ~~LCS 20 "G"~~ LCS B					VOCMS		LCSG:		
20	20	~~300 M LCSG~~ Blank					VOCMS		FB		
21	21	Blank 300'					VOCMS		FB 337792 (2nd)		
22	22	Blank					VOCMS				
23	23	Blank					VOCMS				
24	24	LCS 20 "L" B					VOCMS		preserved		
25	25	Blank LCS					VOCMS				
26	26	Blank					VOCMS				
27	27	Blank					VOCMS				
28	28	Blank					VOCMS				
29	29						VOCMS				
30	30						VOCMS				
31	31						VOCMS				
32	32						VOCMS				
~~33~~							~~VOCMS~~				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				

COPY

7/23/10

Samples removed from autosampler, order and pH verified by _____

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072301.D Vial: 1
Acq On : 23 Jul 2010 7:33 am Operator: KJP
Sample : BFB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane



Spectrum Information: Average of 17.665 to 17.687 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	9215	PASS
75	95	30	60	45.2	23143	PASS
95	95	100	100	100.0	51157	PASS
96	95	5	9	7.1	3614	PASS
173	174	0.00	2	0.5	202	PASS
174	95	50	100	82.8	42333	PASS
175	174	5	9	6.9	2916	PASS
176	174	95	101	96.8	40994	PASS
177	176	5	9	6.2	2531	PASS

Response Factor Report VOAMS4

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration

Calibration Files
1 =SA072305.D 10 =SA072311.D 20 =SA072312.D
50 =SA072314.D 100 =SA072306.D 200 =SA072318.D

		Compound	1	10	20	50	100	200	Avg	%RSD
1)	I	Fluorobenzene IS	----------ISTD----------							
2)		dichlorodifluorom		0.290	0.282				0.293	7.45
3)	P	chloromethane		0.271	0.268				0.267	3.27
4)	C	vinyl chloride		0.184	0.148				0.182	13.50#
5)		bromomethane		0.148	0.144				0.144	6.88
6)		chloroethane		0.154	0.151				0.151	6.30
7)		trichlorofluorome		0.345	0.336				0.344	8.41
8)		diethyl ether	0.151	0.143	0.150	0.151	0.154	0.147	0.146	5.42
9)		1,1,2-Trichlorotr	0.117	0.111	0.103	0.119	0.120	0.118	0.111	8.36
10)		acrolein		0.029	0.031				0.032	9.17
11)		acetone		0.075	0.062	0.075	0.058	0.055	0.063	12.98
12)	MC	1,1-dichloroethen	0.195	0.184	0.170	0.195	0.201	0.191	0.177	12.48
13)		tert-Butyl Alcoho		0.015	0.015	0.014	0.014	0.016	0.015	9.86
14)		iodomethane							0.000	-1.00
15)		methylene chlorid	0.259	0.224	0.224	0.226	0.227	0.210	0.224	6.81
16)		carbon disulfide	0.571	0.584	0.584	0.668	0.688	0.597	0.580	11.66
17)		acrylonitrile		0.090	0.090	0.087	0.088	0.078	0.085	6.03
18)		Methyl-t-butyl et	0.503	0.491	0.503	0.496	0.504	0.476	0.480	6.49
19)		trans-1,2-dichlor	0.265	0.250	0.246	0.269	0.243	0.268	0.240	12.18
20)		hexane		0.054	0.051	0.065	0.066	0.068	0.059	13.90
21)		Isopropyl ether (	0.717	0.787	0.822	0.866	0.881	0.840	0.787	10.09
22)		vinyl acetate		0.369	0.415				0.444	11.66
23)	P	1,1-dichloroethan	0.513	0.480	0.478	0.513	0.520	0.506	0.478	9.31
24)		Ethyl-t-butyl eth		0.615	0.663	0.694	0.714	0.716	0.652	11.48
25)		2,2-dichloropropa	0.266	0.269	0.273	0.322	0.329	0.347	0.287	16.45
26)		cis-1,2-dichloroe	0.266	0.277	0.286	0.298	0.301	0.290	0.277	7.30
27)		2-butanone (MEK)		0.106	0.103	0.113	0.106	0.110	0.106	8.60
28)		bromochloromethan	0.135	0.133	0.138	0.140	0.143	0.140	0.135	5.01
29)		Tetrahydrofuran (		0.055	0.059	0.062	0.064	0.067	0.060	15.05
30)	C	chloroform	0.515	0.466	0.466	0.484	0.486	0.471	0.467	6.04#
31)	S	SS dibromofluorom	0.272	0.264	0.262	0.266	0.260	0.261	0.263	2.08
32)		1,1,1-trichloroet	0.334	0.336	0.333	0.376	0.391	0.391	0.350	11.21
33)		carbon tetrachlor	0.246	0.255	0.255	0.309	0.327	0.334	0.275	18.97
34)		1,1-dichloroprope	0.276	0.294	0.300	0.352	0.362	0.354	0.315	14.56
35)	S	SS 1,2-DCA-d4_MS	0.323	0.318	0.316	0.311	0.307	0.301	0.314	1.93
36)		tert-amyl methyl		0.467	0.498	0.528	0.549	0.563	0.500	14.04
37)	M	benzene	1.002	1.015	1.014	1.064	1.045	0.943	0.958	10.11
38)		1,2-dichloroethan	0.399	0.388	0.388	0.384	0.384	0.357	0.377	5.42
39)	M	trichloroethene	0.259	0.247	0.250	0.277	0.283	0.271	0.254	9.13
40)	C	1,2-dichloropropa	0.289	0.283	0.289	0.299	0.302	0.283	0.280	6.26#
41)		1,4-dioxane		0.002	0.002	0.002	0.002	0.002	0.002	16.64
42)		dibromomethane	0.189	0.178	0.179	0.180	0.180	0.171	0.172	8.26
43)		bromodichlorometh	0.300	0.321	0.340	0.364	0.375	0.360	0.319	15.63
44)		2-Chloroethoxyeth		0.136	0.155				0.146	22.20
45)		4-methyl-2-pentan		0.079	0.086	0.085	0.088	0.092	0.084	13.09
46)		cis-1,3-dichlorop		0.356	0.396	0.427	0.439	0.417	0.378	14.68
47)	I	Chlorobenzene-D5 IS	----------ISTD----------							
48)	S	SS toluene-d8_MS	1.316	1.329	1.306	1.292	1.312	1.306	1.307	1.14
49)	MC	toluene	1.348	1.384	1.370	1.402	1.395	1.242	1.272	11.02
50)		trans-1,3-dichlor		0.437	0.472	0.509	0.540	0.529	0.455	17.78
51)		1,1,2-trichloroet	0.292	0.278	0.279	0.275	0.281	0.260	0.272	6.01
52)		2-hexanone		0.195	0.200	0.221	0.211	0.207	0.198	13.26
53)		tetrachloroethene	0.300	0.298	0.281	0.308	0.316	0.300	0.285	7.69
54)		1,3-dichloropropa	0.499	0.552	0.544	0.532	0.550	0.509	0.517	6.13
55)		dibromochlorometh		0.297	0.322	0.345	0.368	0.361	0.316	15.30
56)		1,2-dibromoethane	0.269	0.314	0.322	0.323	0.331	0.319	0.306	7.33
57)	MP	chlorobenzene	0.983	0.921	0.904	0.925	0.921	0.808	0.876	9.43
58)		1,1,1,2-tetrachlo	0.253	0.292	0.304	0.320	0.320	0.287	0.281	10.45
59)	C	ethylbenzene	1.227	1.381	1.349	1.404	1.339	1.106	1.233	13.05#
60)		mp-xylene	0.438	0.507	0.500	0.510	0.491	0.406	0.451	14.82

61)		o-xylene	0.393	0.503	0.507	0.524	0.529	0.477	0.466	11.40
62)		styrene	0.710	0.952	0.953	0.964	0.939	0.837	0.855	11.85
63)	P	bromoform	0.135	0.180	0.196	0.216	0.237	0.237	0.190	22.53
64)		iso-propylbenzene	0.751	0.920	0.912	0.992	1.011	0.909	0.873	12.64
65)	S	SS 4-BFB_MS	0.490	0.516	0.500	0.504	0.509	0.514	0.494	3.13
66)	I	1,4-Dichlorobenzene-D	----------	ISTD	----------					
67)		bromobenzene	0.834	0.853	0.850	0.869	0.839	0.780	0.813	6.48
68)	P	1,1,2,2-tetrachlo	0.891	0.926	0.923	0.919	0.912	0.879	0.896	3.65
69)		1,2,3-trichloropr	0.267	0.255	0.252	0.246	0.249	0.245	0.246	5.08
70)		t-1,4-dichloro-2-							0.000	-1.00
71)		n-propylbenzene	2.562	2.785	2.688	2.984	2.896	2.553	2.595	10.52
72)		2-chlorotoluene	2.079	2.246	2.166	2.287	2.225	2.141	2.112	6.85
73)		4-chlorotoluene	2.075	2.150	2.104	2.228	2.154	1.791	1.993	10.51
74)		1,3,5-trimethylbe	1.433	1.877	1.824	1.984	1.972	1.814	1.728	12.08
75)		tert-butylbenzene	1.284	1.476	1.491	1.665	1.645	1.527	1.429	12.03
76)		1,2,4-trimethylbe	1.626	2.028	2.007	2.123	2.060	1.892	1.866	10.61
77)		sec-butylbenzene	1.744	2.027	1.968	2.198	2.139	1.976	1.897	11.05
78)		1,3-dichlorobenze	1.257	1.276	1.245	1.293	1.271	1.152	1.214	7.58
79)		p-isopropyltoluen	1.344	1.704	1.678	1.910	1.858	1.702	1.597	13.91
80)		1,4-dichlorobenze	1.427	1.340	1.300	1.327	1.303	1.164	1.271	10.20
81)		1,2-dichlorobenze	1.362	1.308	1.278	1.299	1.263	1.142	1.245	9.32
82)		n-butylbenzene	1.346	1.626	1.561	1.768	1.695	1.549	1.496	12.28
83)	S	SS 1,2-DCB-D4_MS	0.945	0.929	0.939	0.928	0.919	0.919	0.937	1.50
84)		1,2-dibromo-3-chl	0.082	0.109	0.121	0.135	0.143	0.149	0.121	22.63
85)		1,3,5-trichlorobe	0.691	0.760	0.723	0.781	0.784	0.725	0.718	7.45
86)		1,2,4-trichlorobe	0.545	0.624	0.629	0.683	0.683	0.650	0.611	9.22
87)		hexachlorobutadie	0.367	0.349	0.325	0.363	0.358	0.347	0.347	14.19
88)		naphthaleneV		1.316	1.445	1.525	1.555	1.509	1.369	15.32
89)		1,2,3-trichlorobe	0.474	0.530	0.551	0.567	0.572	0.559	0.529	7.02
90)	S	SS 2,5-DBT_MS		0.133	0.147	0.162	0.174	0.182	0.165	17.72

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

4VID0723.M Tue Aug 31 15:19:18 2010

Compound List Report VOAMS4

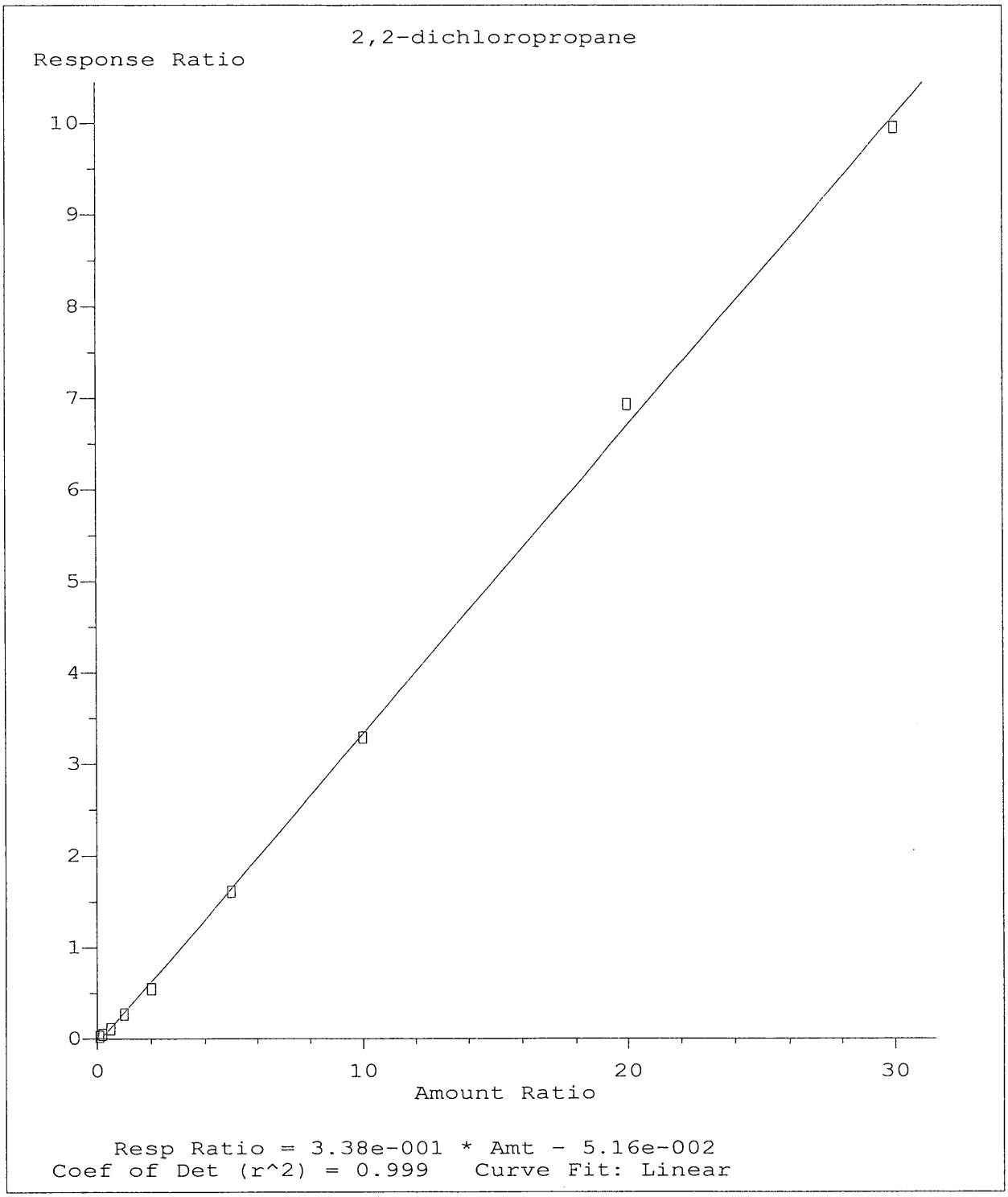
Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
Total Cpnds : 90

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene IS	96	11.28	1.000	A	2	A	B
2		dichlorodifluoromethane	85	2.56	0.227	A	2	A	B
3	P	chloromethane	50	2.87	0.254	A	1	A	B
4	C	vinyl chloride	62	2.99	0.265	A	1	A	B
5		bromomethane	94	3.58	0.317	A	1	A	B
6		chloroethane	64	3.67	0.325	A	2	A	B
7		trichlorofluoromethane	101	4.02	0.356	A	1	A	B
8		diethyl ether	59	4.47	0.396	A	2	A	B
9		1,1,2-Trichlorotrifluoroethane	101	4.69	0.416	A	2	A	B
10		acrolein	56	4.68	0.415	A	1	A	B
11		acetone	43	4.79	0.424	A	1	A	B
12	MC	1,1-dichloroethene	96	5.00	0.443	A	2	A	B
13		tert-Butyl Alcohol (TBA)	59	5.15	0.457	A	1	A	B
14		iodomethane	142	5.56	0.493	A	2	A	B
15		methylene chloride	84	5.89	0.522	A	1	A	B
16		carbon disulfide	76	5.91	0.523	A	1	A	B
17		acrylonitrile	53	6.14	0.545	A	2	A	B
18		Methyl-t-butyl ether (MTBE)	73	6.18	0.548	A	3	A	B
19		trans-1,2-dichloroethene	96	6.45	0.572	A	2	A	B
20		hexane	57	6.58	0.583	A	3	A	B
21		Isopropyl ether (DIPE)	45	7.10	0.630	A	2	A	B
22		vinyl acetate	43	7.34	0.651	A	1	A	B
23	P	1,1-dichloroethane	63	7.32	0.649	A	1	A	B
24		Ethyl-t-butyl ether (ETBE)	59	7.96	0.706	A	2	A	B
25		2,2-dichloropropane	77	8.50	0.753	L	1	A	B
26		cis-1,2-dichloroethene	96	8.60	0.762	A	2	A	B
27		2-butanone (MEK)	43	8.23	0.730	A	2	A	B
28		bromochloromethane	128	9.29	0.824	A	2	A	B
29		Tetrahydrofuran (THF)	42	9.38	0.831	A	2	A	B
30	C	chloroform	83	8.94	0.792	A	2	A	B
31	S	SS dibromofluoromethane_MS	111	9.42	0.835	A	3	A	B
32		1,1,1-trichloroethane	97	9.81	0.869	A	2	A	B
33		carbon tetrachloride	117	10.38	0.920	L	2	A	B
34		1,1-dichloropropene	75	10.17	0.902	A	2	A	B
35	S	SS 1,2-DCA-d4_MS	65	10.55	0.935	A	2	A	B
36		tert-amyl methyl ether (TAME)	73	10.46	0.927	A	2	A	B
37	M	benzene	78	10.78	0.955	A	1	A	B
38		1,2-dichloroethane	62	10.77	0.954	A	2	A	B
39	M	trichloroethene	95	12.09	1.072	A	2	A	B
40	C	1,2-dichloropropane	63	12.44	1.102	A	2	A	B
41		1,4-dioxane	88	12.93	1.146	A	2	A	B
42		dibromomethane	93	12.94	1.147	A	2	A	B
43		bromodichloromethane	83	12.85	1.139	L	2	A	B
44		2-Chloroethoxyethene	63	13.40	1.188	L	2	A	B
45		4-methyl-2-pentanone (MIBK)	58	13.45	1.192	A	3	A	B
46		cis-1,3-dichloropropene	75	13.76	1.220	A	2	A	B
47	I	Chlorobenzene-D5 IS	117	16.20	1.000	A	2	A	B
48	S	SS toluene-d8_MS	98	14.13	0.872	A	2	A	B
49	MC	toluene	91	14.24	0.879	A	1	A	B
50		trans-1,3-dichloropropene	75	14.52	0.896	L	2	A	B
51		1,1,2-trichloroethane	83	14.74	0.910	A	2	A	B
52		2-hexanone	43	14.76	0.911	A	2	A	B
53		tetrachloroethene	166	15.16	0.936	A	2	A	B
54		1,3-dichloropropane	76	15.10	0.932	A	2	A	B
55		dibromochloromethane	129	15.45	0.953	A	1	A	B
56		1,2-dibromoethane	107	15.72	0.970	A	1	A	B
57	MP	chlorobenzene	112	16.26	1.004	A	2	A	B
58		1,1,1,2-tetrachloroethane	131	16.31	1.006	A	2	A	B
59	C	ethylbenzene	91	16.32	1.007	A	1	A	B
60		mp-xylene	106	16.41	1.013	A	1	A	B
61		o-xylene	106	16.95	1.046	A	1	A	B
62		styrene	104	16.99	1.049	A	2	A	B
63	P	bromoform	173	17.41	1.075	L	2	A	B
64		iso-propylbenzene	105	17.37	1.072	A	1	A	B

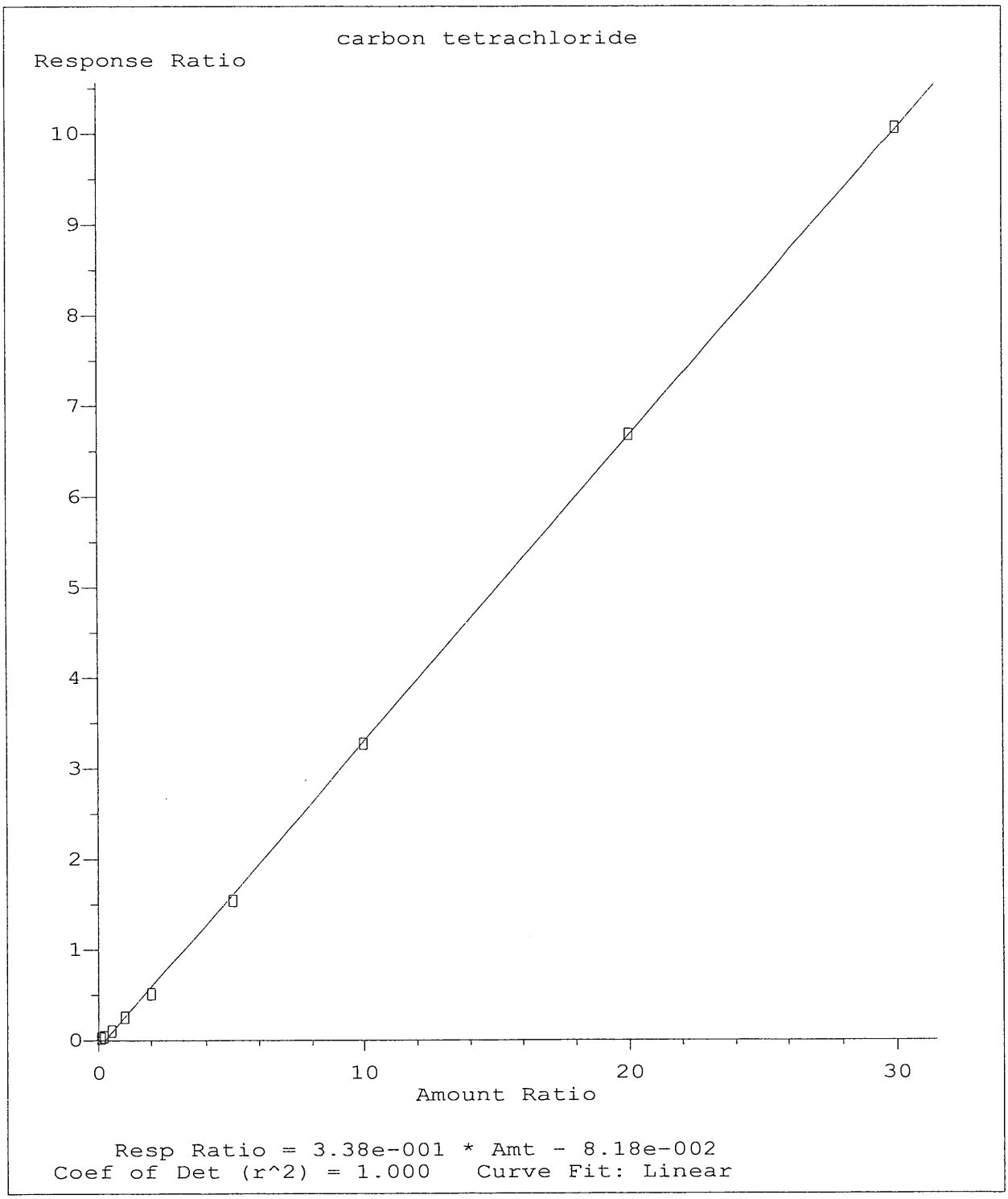
65	S	SS 4-BFB_MS	95	17.68	1.091	A	2	A	B
66	I	1,4-Dichlorobenzene-D4 IS	152	18.98	1.000	A	2	A	B
67		bromobenzene	156	17.90	0.943	A	2	A	B
68	P	1,1,2,2-tetrachloroethane	83	17.57	0.926	A	1	A	B
69		1,2,3-trichloropropane	110	17.74	0.935	A	1	A	B
70		t-1,4-dichloro-2-butene	53	17.81	0.938	A	3	A	B
71		n-propylbenzene	91	17.84	0.940	A	1	A	B
72		2-chlorotoluene	91	18.05	0.951	A	1	A	B
73		4-chlorotoluene	91	18.10	0.954	A	1	A	B
74		1,3,5-trimethylbenzene	105	18.01	0.949	A	1	A	B
75		tert-butylbenzene	119	18.42	0.970	A	1	A	B
76		1,2,4-trimethylbenzene	105	18.46	0.973	A	1	A	B
77		sec-butylbenzene	105	18.65	0.983	A	1	A	B
78		1,3-dichlorobenzeneV	146	18.91	0.996	A	2	A	B
79		p-isopropyltoluene	119	18.78	0.990	A	1	A	B
80		1,4-dichlorobenzeneV	146	19.01	1.002	A	2	A	B
81		1,2-dichlorobenzeneV	146	19.38	1.021	A	2	A	B
82		n-butylbenzene	91	19.19	1.011	A	1	A	B
83	S	SS 1,2-DCB-D4_MS	152	19.35	1.020	A	2	A	B
84		1,2-dibromo-3-chloropropane	75	20.10	1.059	L	2	A	B
85		1,3,5-trichlorobenzV	180	20.31	1.070	A	1	A	B
86		1,2,4-trichlorobenzV	180	20.96	1.105	A	2	A	B
87		hexachlorobutadieneV	225	21.09	1.111	A	2	A	B
88		naphthaleneV	128	21.26	1.120	A	1	A	B
89		1,2,3-trichlorobenzV	180	21.52	1.134	A	2	A	B
90	S	SS 2,5-DBT_MS	250	22.73	1.198	L	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

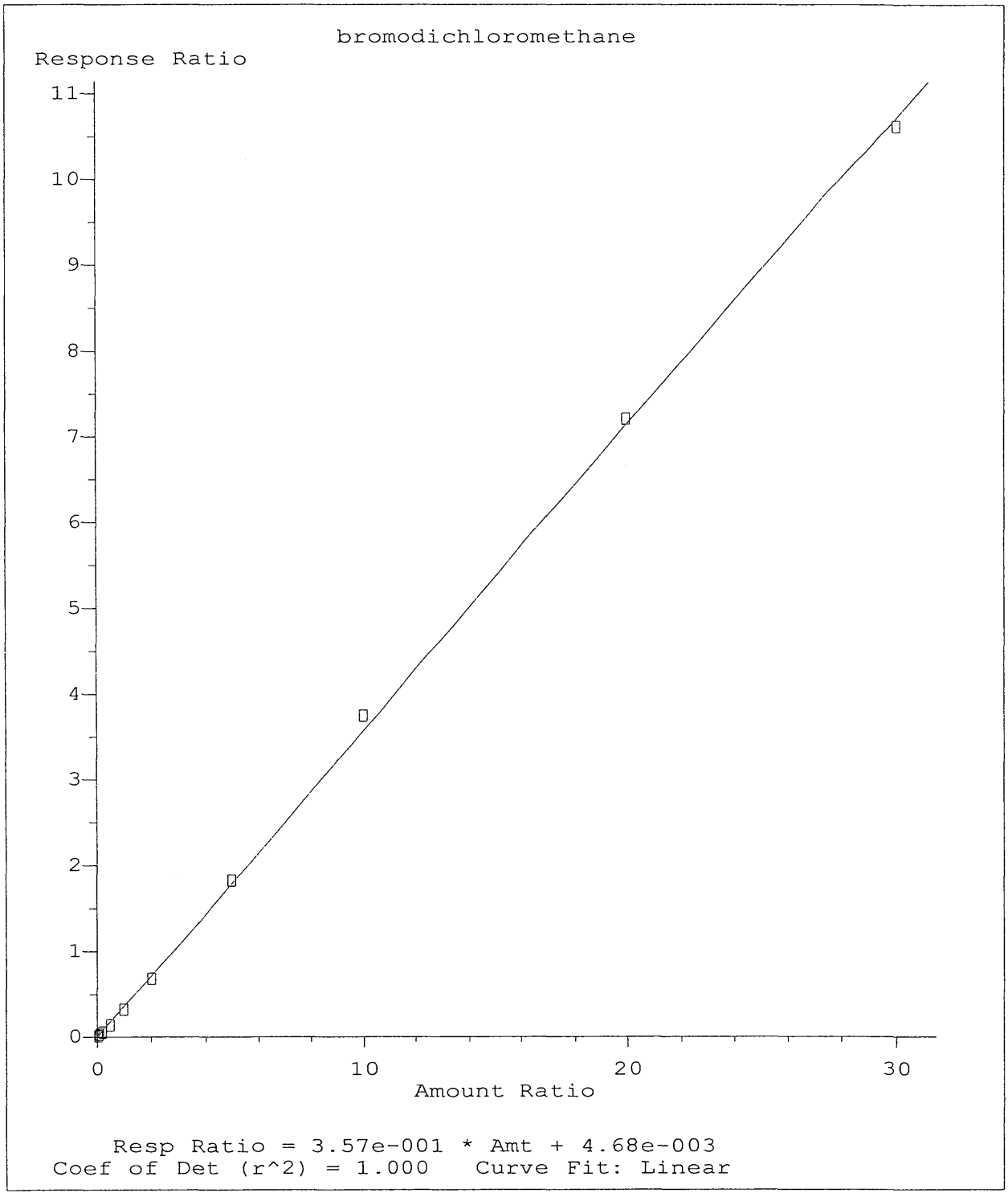
4VID0723.M Tue Aug 31 12:07:20 2010



Method Name: T:\1\METHODS\2010\4VID0723.M
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



Method Name: T:\1\METHODS\2010\4VID0723.M
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



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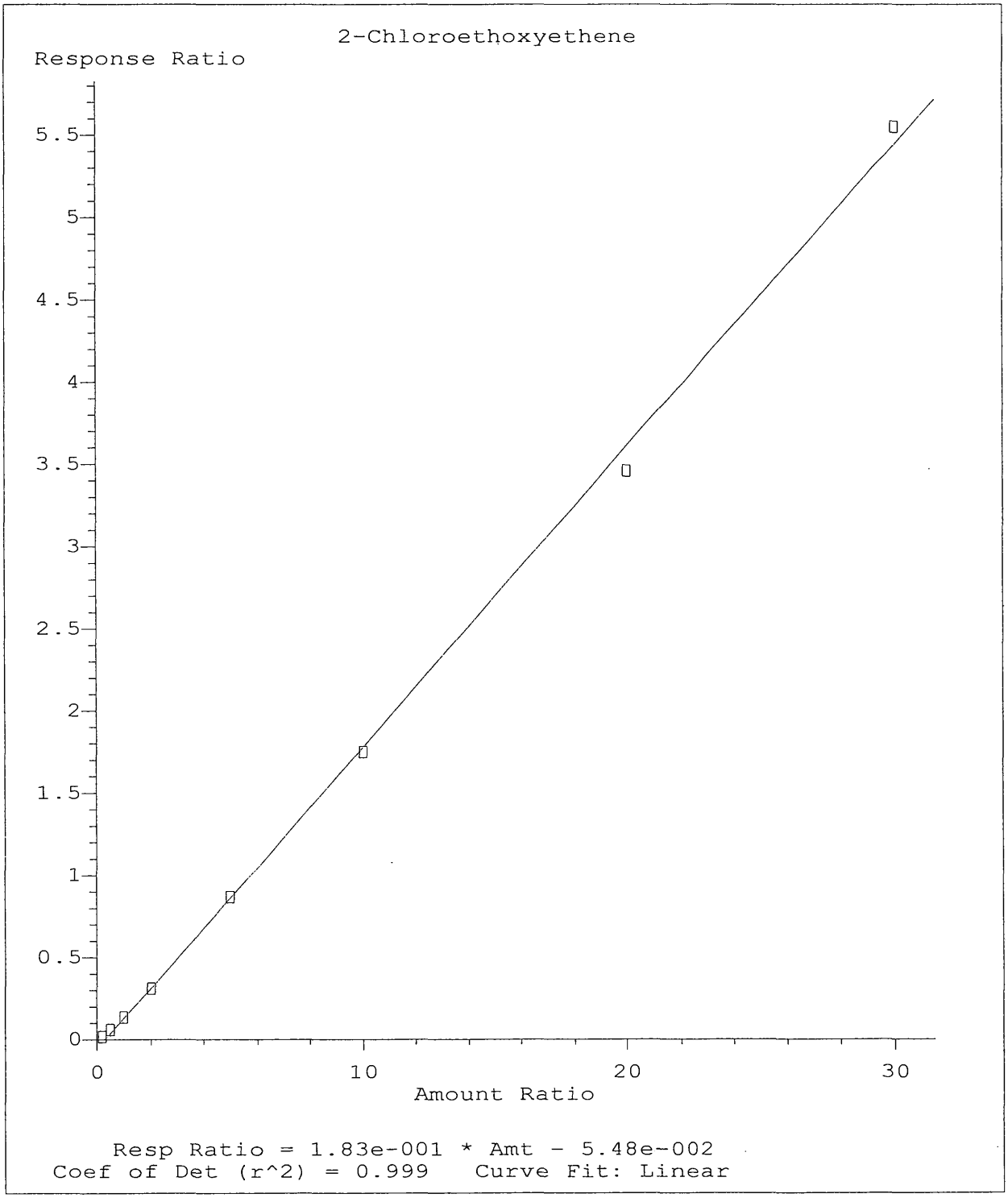
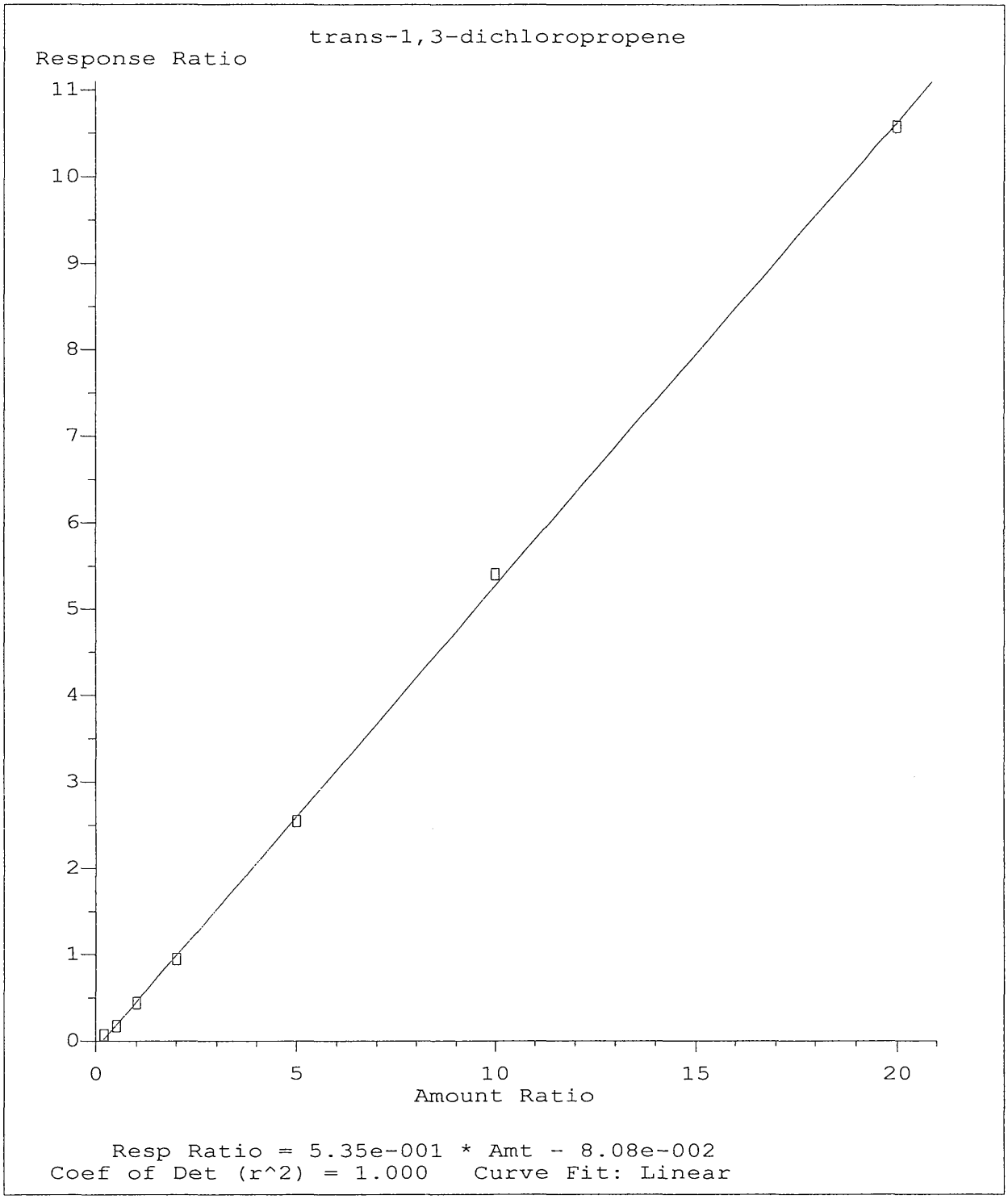
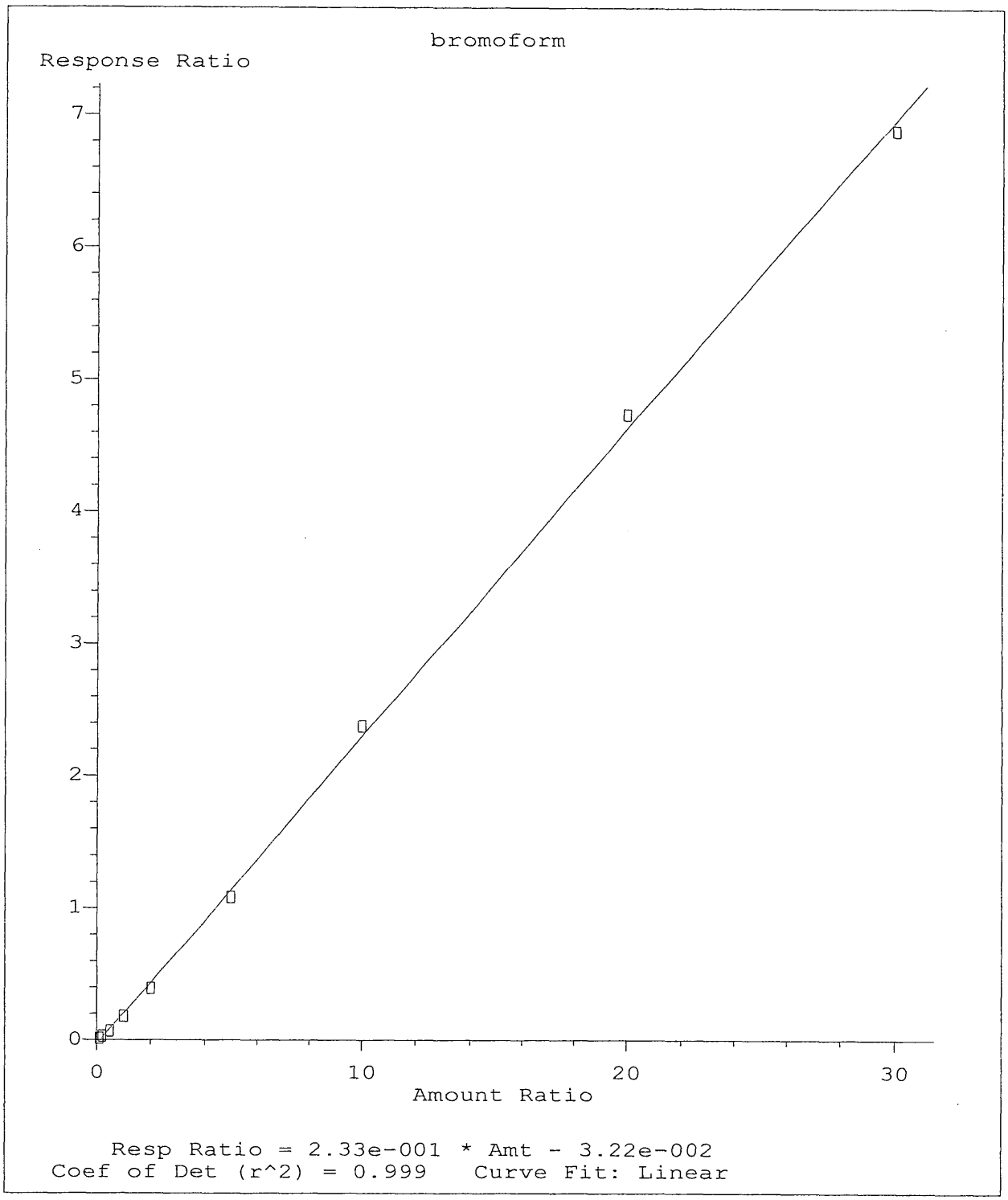
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



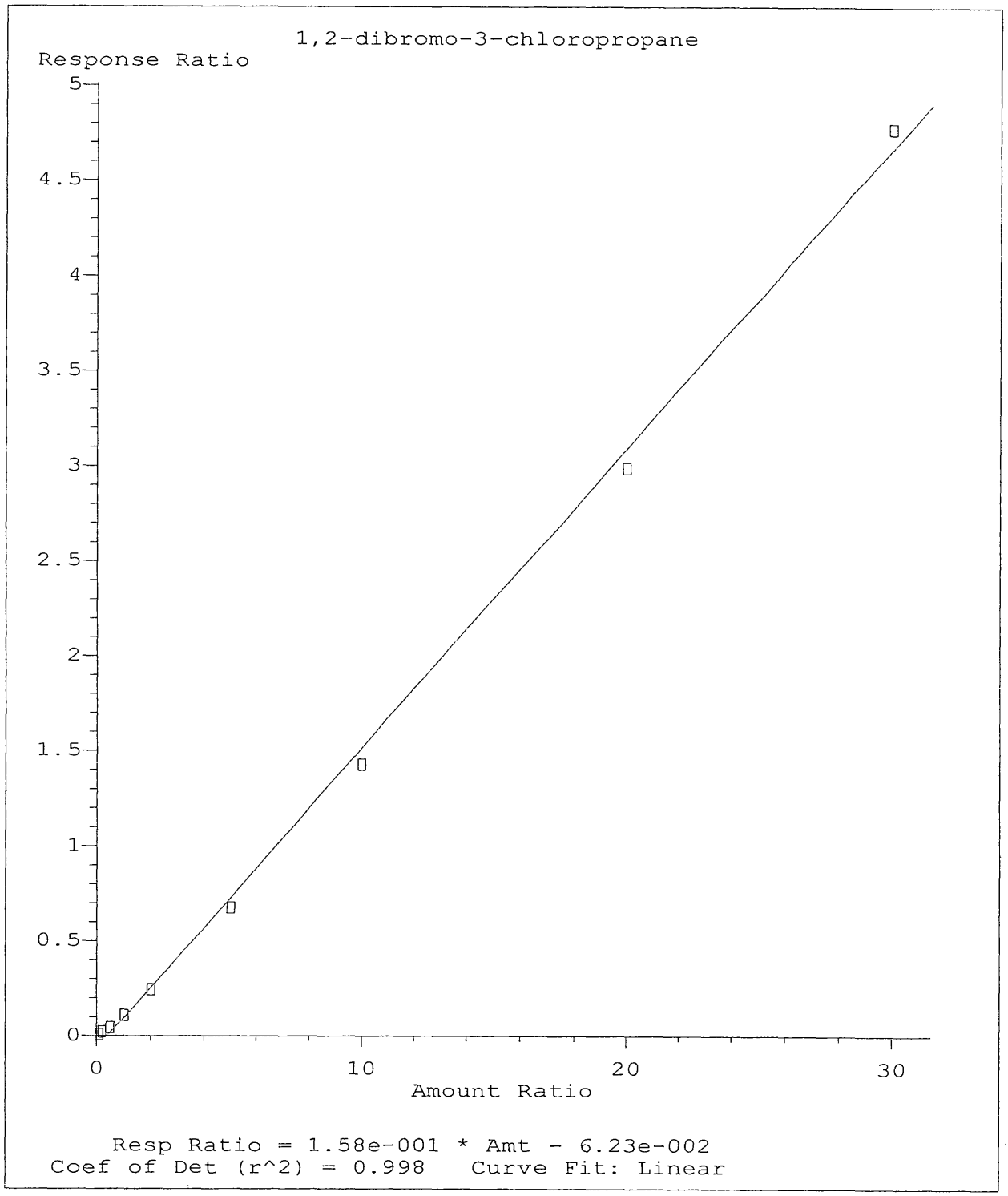
Method Name: T:\1\METHODS\2010\4VID0723.M
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



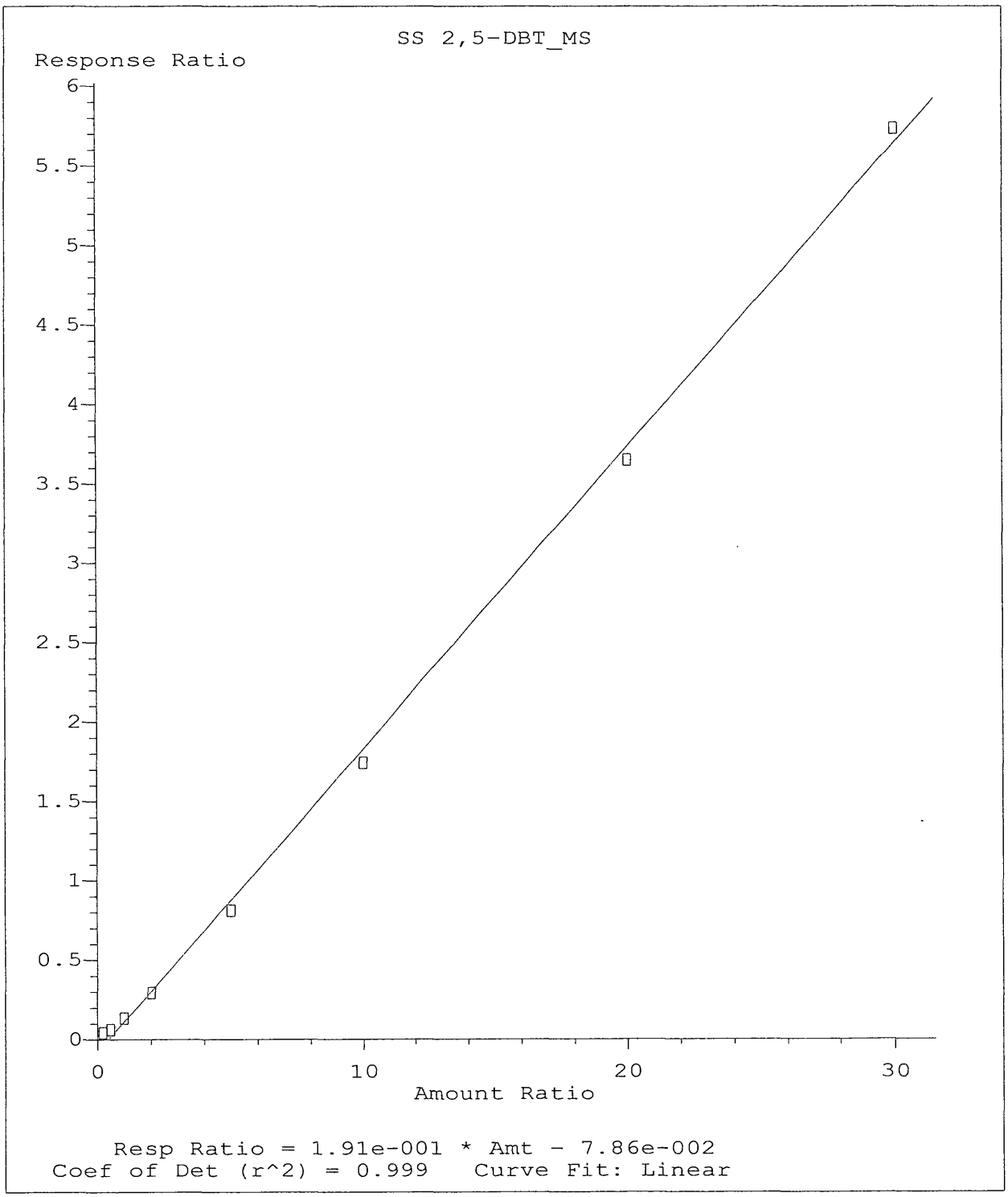
Method Name: T:\1\METHODS\2010\4VID0723.M
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



Method Name: T:\1\METHODS\2010\4VID0723.M
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



Method Name: T:\1\METHODS\2010\4VID0723.M
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



Method Name: T:\1\METHODS\2010\4VID0723.M
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072304.D Vial: 4
Acq On : 23 Jul 2010 9:21 am Operator: KJP
Sample : 0.5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 10:54:45 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:54:41 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

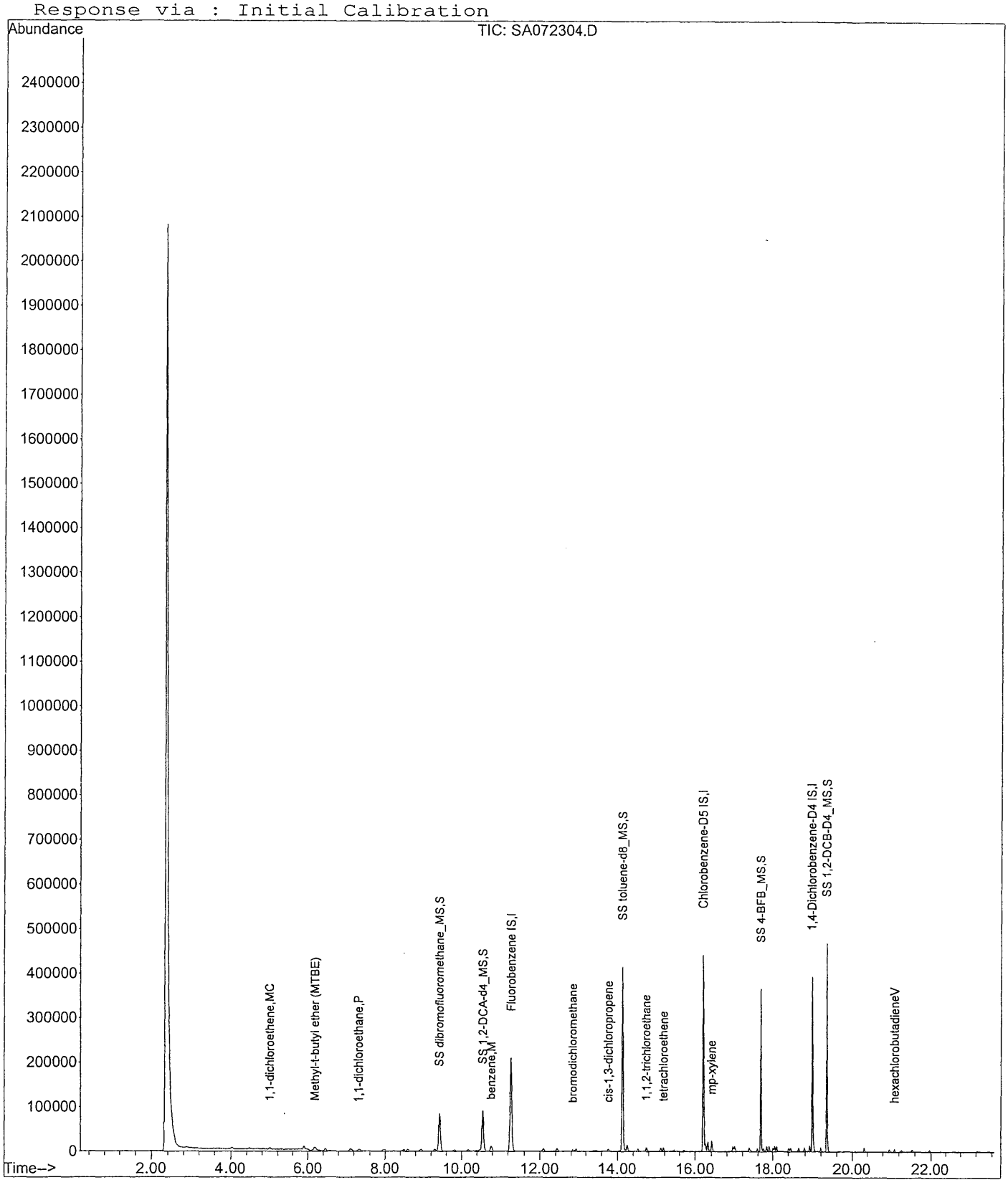
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	315761	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	236683	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	99440	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	83890	10.12	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.18%			
35) SS 1,2-DCA-d4_MS	10.55	65	101537	10.24	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.43%			
48) SS toluene-d8_MS	14.13	98	304521	9.84	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.44%			
65) SS 4-BFB_MS	17.68	95	111175	9.51	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.10%			
83) SS 1,2-DCB-D4_MS	19.35	152	95926	10.30	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.97%			
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
12) 1,1-dichloroethene	5.00	96	2111	0.378	ug/L	85
18) Methyl-t-butyl ether (MTBE	6.19	73	13079	0.862	ug/L #	86
23) 1,1-dichloroethane	7.32	63	5944	0.394	ug/L	95
37) benzene	10.77	78	11823	0.391	ug/L	99
43) bromodichloromethane	12.85	83	3476	0.177	ug/L	97
46) cis-1,3-dichloropropene	13.77	75	3517	0.295	ug/L #	93
50) trans-1,3-dichloropropene	14.52	75	2831	Below Cal		99
51) 1,1,2-trichloroethane	14.74	83	2406	0.374	ug/L	82
53) tetrachloroethene	15.18	166	3011	0.446	ug/L	91
60) mp-xylene	16.41	106	7121	0.667	ug/L	98
87) hexachlorobutadieneV	21.09	225	1409	0.409	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072304.D Vial: 4
Acq On : 23 Jul 2010 9:21 am Operator: KJP
Sample : 0.5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 14:51 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072305.D Vial: 5
Acq On : 23 Jul 2010 9:56 am Operator: KJP
Sample : 1 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 14:53:34 2010 Quant Results File: 4VID0723.RES

Quant Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 14:45:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	311532	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	235130	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	100901	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	84590	10.34	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.41%			
35) SS 1,2-DCA-d4_MS	10.55	65	100470	10.27	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.73%			
48) SS toluene-d8_MS	14.13	98	309415	10.07	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.68%			
65) SS 4-BFB_MS	17.68	95	115213	9.92	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.21%			
83) SS 1,2-DCB-D4_MS	19.35	152	95390	10.09	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.91%			
90) SS 2,5-DBT_MS	22.73	250	1095	4.69	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 11.73%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	8693	0.953	ug/L	97
3) chloromethane	2.88	50	7986	0.961	ug/L	99
4) vinyl chloride	2.99	62	6594	1.165	ug/L	89
6) chloroethane	3.68	64	4427	0.942	ug/L #	94
7) trichlorofluoromethane	4.02	101	9574	0.893	ug/L	100
8) diethyl ether	4.48	59	4703	1.033	ug/L #	62
9) 1,1,2-Trichlorotrifluoroet	4.69	101	3648	1.055	ug/L	93
10) acrolein	4.68	56	723	0.730	ug/L	94
11) acetone	4.80	43	4074	2.057	ug/L #	80
12) 1,1-dichloroethene	5.00	96	6068	1.101	ug/L	96
15) methylene chloride	5.89	84	8080	1.160	ug/L	98
16) carbon disulfide	5.90	76	17804	0.985	ug/L #	98
18) Methyl-t-butyl ether (MTBE	6.19	73	31351	2.095	ug/L #	93
19) trans-1,2-dichloroethene	6.45	96	8271	1.107	ug/L	97
20) hexane	6.57	57	1766	0.962	ug/L	90
21) Isopropyl ether (DIPE)	7.10	45	22350	0.912	ug/L	95
23) 1,1-dichloroethane	7.32	63	15978	1.073	ug/L	98
25) 2,2-dichloropropane	8.50	77	8302	2.316	ug/L	94
26) cis-1,2-dichloroethene	8.60	96	8301	0.962	ug/L	97
28) bromochloromethane	9.30	128	4195	0.994	ug/L	96
30) chloroform	8.94	83	16041	1.102	ug/L	98
32) 1,1,1-trichloroethane	9.82	97	10407	0.953	ug/L	99
33) carbon tetrachloride	10.38	117	7652	3.150	ug/L	99
34) 1,1-dichloropropene	10.16	75	8609	0.879	ug/L	96
37) benzene	10.78	78	31218	1.046	ug/L	99
38) 1,2-dichloroethane	10.77	62	12429	1.058	ug/L	99
39) trichloroethene	12.08	95	8071	1.020	ug/L	99
40) 1,2-dichloropropane	12.44	63	9016	1.032	ug/L	92
42) dibromomethane	12.93	93	5886	1.098	ug/L	93
43) bromodichloromethane	12.85	83	9352	0.710	ug/L	97
49) toluene	14.24	91	31695	1.060	ug/L	98
51) 1,1,2-trichloroethane	14.74	83	6864	1.075	ug/L	93
53) tetrachloroethene	15.16	166	7047	1.050	ug/L	95
54) 1,3-dichloropropane	15.10	76	11742	0.967	ug/L	99
56) 1,2-dibromoethane	15.72	107	6329	0.880	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072305.D Vial: 5
Acq On : 23 Jul 2010 9:56 am Operator: KJP
Sample : 1 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 14:53:34 2010 Quant Results File: 4VID0723.RES

Quant Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 14:45:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

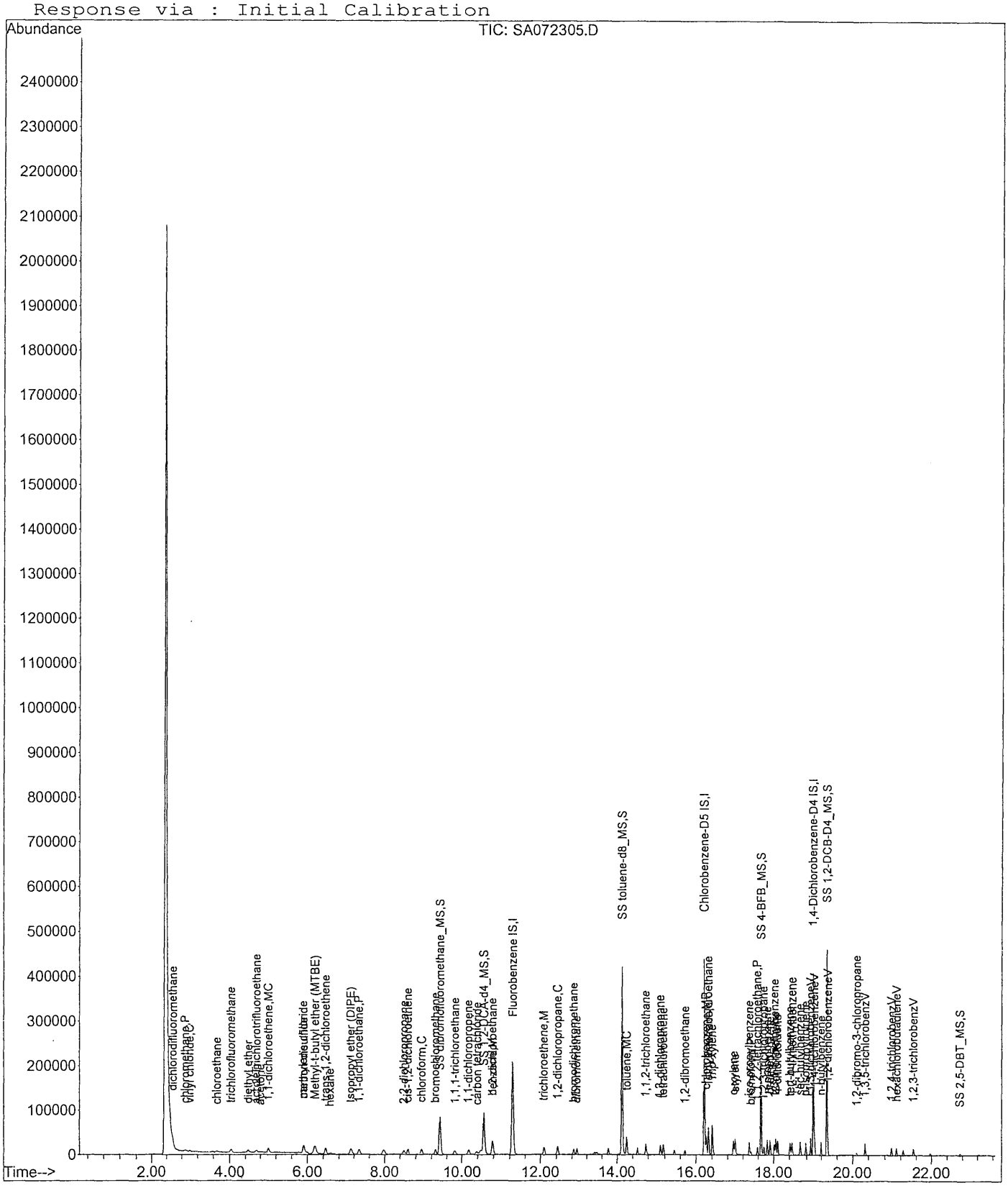
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
57)	chlorobenzene	16.25	112	23102	1.121	ug/L	#	92
58)	1,1,1,2-tetrachloroethane	16.31	131	5953	0.899	ug/L		96
59)	ethylbenzene	16.32	91	28856	0.995	ug/L		96
60)	mp-xylene	16.41	106	20616	1.943	ug/L		99
61)	o-xylene	16.96	106	9230	0.843	ug/L		94
62)	styrene	16.99	104	16705	0.831	ug/L		97
63)	bromoform	17.41	173	3185	1.960	ug/L	#	95
64)	iso-propylbenzene	17.37	105	17655	0.860	ug/L		100
67)	bromobenzene	17.90	156	8411	1.025	ug/L		94
68)	1,1,2,2-tetrachloroethane	17.57	83	8991	0.995	ug/L		97
69)	1,2,3-trichloropropane	17.74	110	2699	1.085	ug/L		92
71)	n-propylbenzene	17.84	91	25847	0.987	ug/L		99
72)	2-chlorotoluene	18.05	91	20981	0.984	ug/L		100
73)	4-chlorotoluene	18.10	91	20936	1.041	ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	14457	0.829	ug/L		99
75)	tert-butylbenzene	18.42	119	12960m	0.899	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	16404	0.871	ug/L		94
77)	sec-butylbenzene	18.65	105	17599	0.919	ug/L		96
78)	1,3-dichlorobenzeneV	18.91	146	12681	1.036	ug/L		96
79)	p-isopropyltoluene	18.78	119	13560	0.842	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	14402	1.123	ug/L	#	68
81)	1,2-dichlorobenzeneV	19.38	146	13738	1.094	ug/L	#	35
82)	n-butylbenzene	19.19	91	13577	0.900	ug/L		100
84)	1,2-dibromo-3-chloropropan	20.10	75	829	4.471	ug/L		92
85)	1,3,5-trichlorobenzV	20.31	180	6977	0.963	ug/L		100
86)	1,2,4-trichlorobenzV	20.96	180	5503	0.892	ug/L		97
87)	hexachlorobutadieneV	21.09	225	3707	1.060	ug/L		97
89)	1,2,3-trichlorobenzV	21.52	180	4782	0.896	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072305.D Vial: 5
Acq On : 23 Jul 2010 9:56 am Operator: KJP
Sample : 1 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:00 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072316.D Vial: 16
Acq On : 23 Jul 2010 4:54 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:04:10 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	330990	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	244237	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	107555	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	86313	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.46%			
35) SS 1,2-DCA-d4_MS	10.55	65	103336	9.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.10%			
48) SS toluene-d8_MS	14.13	98	321380	10.09	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.88%			
65) SS 4-BFB_MS	17.68	95	122131	10.18	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.82%			
83) SS 1,2-DCB-D4_MS	19.35	152	99187	9.81	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.13%			
90) SS 2,5-DBT_MS	22.73	250	4488	3.15	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 7.87%#			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	9659	2.068	ug/L #	86
9) 1,1,2-Trichlorotrifluoroet	4.69	101	6331	1.766	ug/L	94
12) 1,1-dichloroethene	5.00	96	10382	1.834	ug/L	100
15) methylene chloride	5.89	84	14669	2.032	ug/L	95
16) carbon disulfide	5.90	76	32576	1.787	ug/L	100
18) Methyl-t-butyl ether (MTBE	6.19	73	66459	4.303	ug/L	98
19) trans-1,2-dichloroethene	6.45	96	14884	1.948	ug/L	98
20) hexane	6.59	57	3588	2.001	ug/L	94
21) Isopropyl ether (DIPE)	7.12	45	47579	1.970	ug/L	96
23) 1,1-dichloroethane	7.32	63	30704	2.006	ug/L	97
24) Ethyl-t-butyl ether (ETBE)	7.97	59	37173	1.960	ug/L	95
25) 2,2-dichloropropane	8.50	77	15257	1.803	ug/L	97
26) cis-1,2-dichloroethene	8.60	96	16952	1.969	ug/L	92
27) 2-butanone (MEK)	8.23	43	6472	2.042	ug/L #	92
28) bromochloromethane	9.30	128	8772	2.071	ug/L	99
29) Tetrahydrofuran (THF)	9.40	42	3812	2.237	ug/L	92
30) chloroform	8.94	83	29450	1.983	ug/L	97
32) 1,1,1-trichloroethane	9.81	97	20275	1.924	ug/L	97
33) carbon tetrachloride	10.38	117	13660	1.689	ug/L	99
36) tert-amyl methyl ether (TA	10.47	73	28693	2.036	ug/L	93
37) benzene	10.78	78	65354	2.084	ug/L	99
38) 1,2-dichloroethane	10.77	62	26303	2.180	ug/L	99
39) trichloroethene	12.09	95	14973	1.866	ug/L	96
40) 1,2-dichloropropane	12.44	63	17163	1.939	ug/L	92
42) dibromomethane	12.94	93	11889	2.132	ug/L	96
43) bromodichloromethane	12.85	83	18325	1.816	ug/L	97
46) cis-1,3-dichloropropene	13.76	75	19990	1.818	ug/L	99
49) toluene	14.24	91	63414	2.048	ug/L	100
50) trans-1,3-dichloropropene	14.52	75	17011	1.778	ug/L	97
51) 1,1,2-trichloroethane	14.74	83	13853	2.180	ug/L	95
53) tetrachloroethene	15.16	166	13196	1.928	ug/L	96
54) 1,3-dichloropropane	15.10	76	25392	2.103	ug/L	99
55) dibromochloromethane	15.45	129	12143	1.821	ug/L	98
56) 1,2-dibromoethane	15.72	107	14718	2.099	ug/L	100
57) chlorobenzene	16.26	112	43974	2.075	ug/L	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072316.D Vial: 16
Acq On : 23 Jul 2010 4:54 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:04:10 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

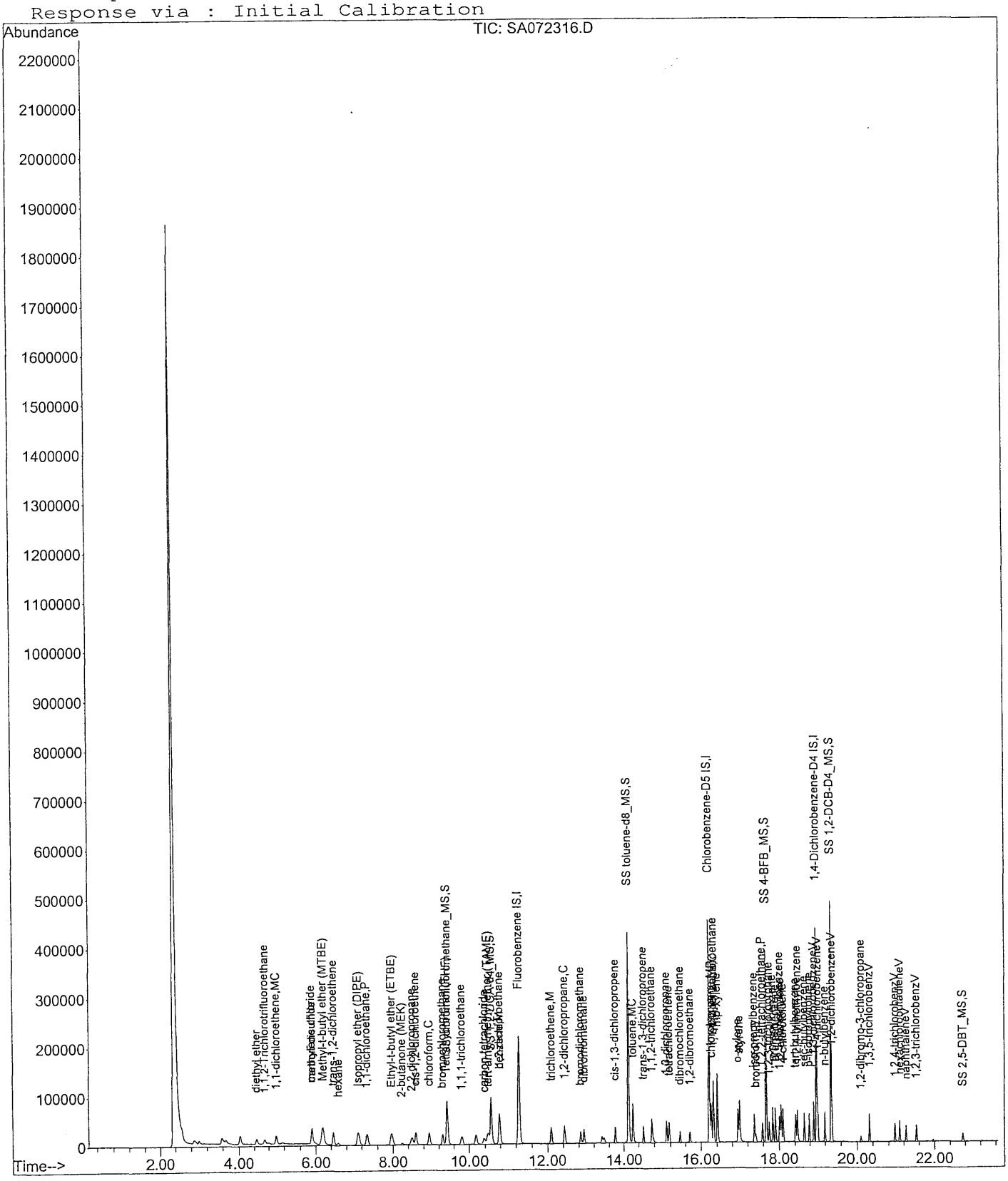
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
58)	1,1,1,2-tetrachloroethane	16.31	131	12370	1.910	ug/L		95
59)	ethylbenzene	16.32	91	60250	2.036	ug/L		100
60)	mp-xylene	16.41	106	45530	4.190	ug/L		99
61)	o-xylene	16.95	106	20737	1.954	ug/L		97
62)	styrene	16.99	104	39331	1.992	ug/L	#	90
63)	bromoform	17.41	173	6982	1.747	ug/L	#	97
64)	iso-propylbenzene	17.37	105	36693	1.868	ug/L		100
67)	bromobenzene	17.90	156	17633	2.077	ug/L		98
68)	1,1,2,2-tetrachloroethane	17.57	83	19774	2.147	ug/L		98
69)	1,2,3-trichloropropane	17.74	110	5271	2.025	ug/L		98
71)	n-propylbenzene	17.84	91	51653	1.914	ug/L		100
72)	2-chlorotoluene	18.05	91	44196	2.040	ug/L		100
73)	4-chlorotoluene	18.11	91	42589	2.025	ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	33633	1.949	ug/L		100
75)	tert-butylbenzene	18.42	119	26439	1.868	ug/L		100
76)	1,2,4-trimethylbenzene	18.46	105	36294	1.932	ug/L		100
77)	sec-butylbenzene	18.65	105	35394	1.852	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	26993	2.129	ug/L		100
79)	p-isopropyltoluene	18.78	119	28876	1.815	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	29646	2.183	ug/L	#	70
81)	1,2-dichlorobenzeneV	19.38	146	28919	2.172	ug/L	#	67
82)	n-butylbenzene	19.19	91	27786	1.825	ug/L		98
84)	1,2-dibromo-3-chloropropan	20.10	75	2297	2.103	ug/L	#	87
85)	1,3,5-trichlorobenzV	20.31	180	15404	2.087	ug/L		98
86)	1,2,4-trichlorobenzV	20.96	180	12218	1.994	ug/L		97
87)	hexachlorobutadieneV	21.09	225	9939	2.742	ug/L		93
88)	naphthaleneV	21.26	128	23285	1.877	ug/L		100
89)	1,2,3-trichlorobenzV	21.52	180	10790	2.051	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072316.D Vial: 16
Acq On : 23 Jul 2010 4:54 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:02 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072309.D Vial: 9
Acq On : 23 Jul 2010 12:32 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:03:25 2010 Quant Results File: 4VID0723.RES

Quant Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 14:45:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

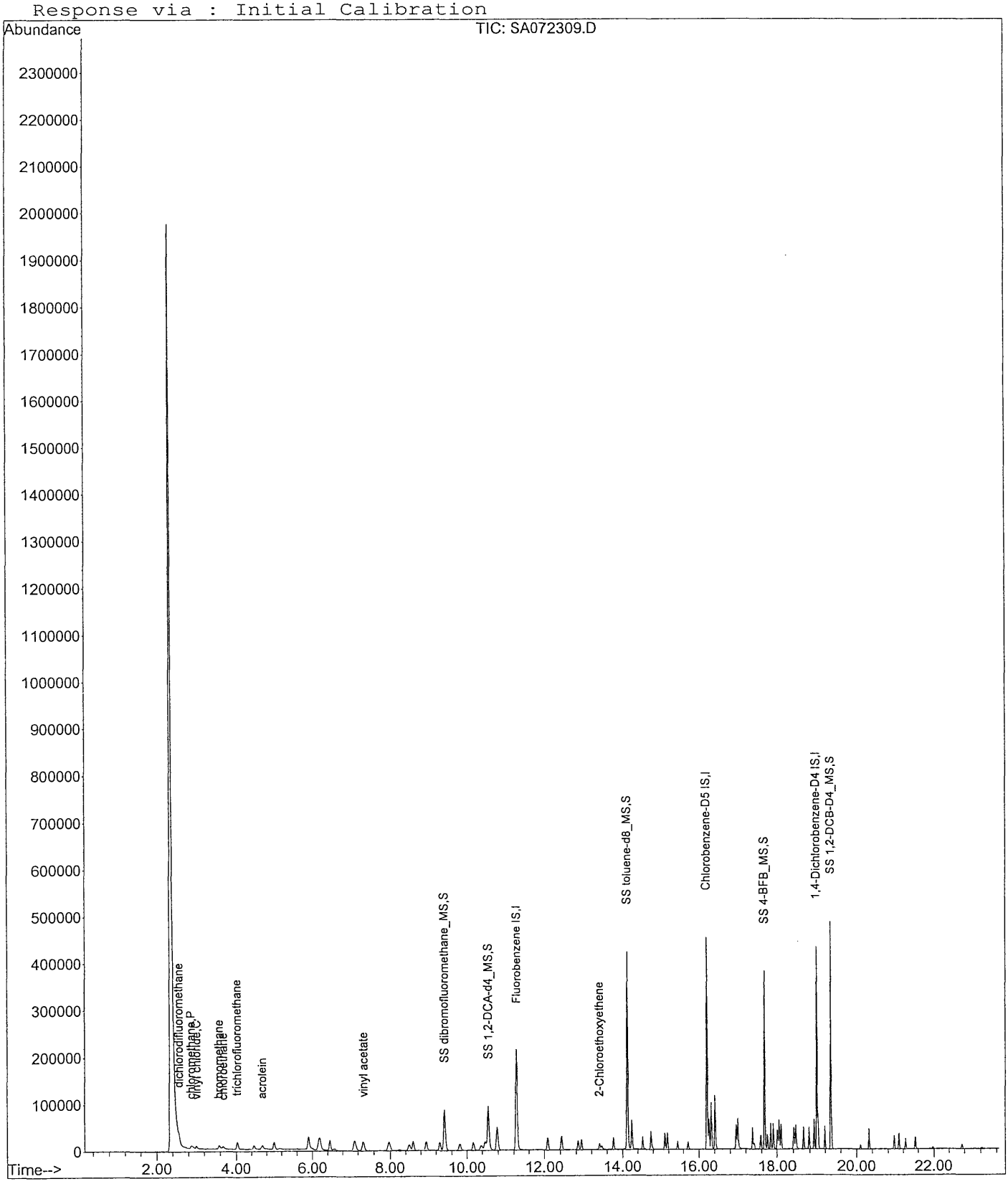
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	328012	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	244144	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	106307	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	84930	9.86	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.61%			
35) SS 1,2-DCA-d4_MS	10.55	65	103593	10.06	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.60%			
48) SS toluene-d8_MS	14.13	98	310159	9.72	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.20%			
65) SS 4-BFB_MS	17.68	95	116246	9.64	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.40%			
83) SS 1,2-DCB-D4_MS	19.35	152	98765	9.92	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.16%			
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	2.56	85	17379	1.810	ug/L	97
3) chloromethane	2.87	50	16700	1.909	ug/L	96
4) vinyl chloride	3.01	62	12863	2.158	ug/L	97
5) bromomethane	3.58	94	11276	2.391	ug/L	90
6) chloroethane	3.68	64	8863	1.790	ug/L	95
7) trichlorofluoromethane	4.02	101	20394	1.807	ug/L	100
10) acrolein	4.69	56	1872	1.794	ug/L	91
22) vinyl acetate	7.34	43	16778	1.152	ug/L	99
44) 2-Chloroethoxyethene	13.41	63	5884	2.385	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072309.D Vial: 9
Acq On : 23 Jul 2010 12:32 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:06 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072310.D Vial: 10
Acq On : 23 Jul 2010 1:17 pm Operator: KJP
Sample : 5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 13:55:00 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 13:01:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	330299	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.20	117	243078	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	106026	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	86313	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.52%			
35) SS 1,2-DCA-d4_MS	10.55	65	104232	10.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.12%			
48) SS toluene-d8_MS	14.13	98	315238	9.97	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.65%			
65) SS 4-BFB_MS	17.68	95	120359	10.26	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 102.59%			
83) SS 1,2-DCB-D4_MS	19.35	152	99900	9.99	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.93%			
90) SS 2,5-DBT_MS	22.74	250	6562	5.01	ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 12.53%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	45369	4.626	ug/L	98
3) chloromethane	2.87	50	43053	4.901	ug/L	100
4) vinyl chloride	2.99	62	32004	5.649	ug/L	97
5) bromomethane	3.58	94	23783	5.880	ug/L	95
6) chloroethane	3.67	64	24081	4.852	ug/L	96
7) trichlorofluoromethane	4.02	101	54227	4.761	ug/L	99
8) diethyl ether	4.47	59	21016	4.578	ug/L	91
9) 1,1,2-Trichlorotrifluoroet	4.69	101	16426	4.579	ug/L	97
10) acrolein	4.68	56	5141	5.292	ug/L	96
11) acetone	4.80	43	10252	4.808	ug/L	95
12) 1,1-dichloroethene	5.00	96	25553	4.664	ug/L	96
13) tert-Butyl Alcohol (TBA)	5.15	59	10528	27.196	ug/L	94
15) methylene chloride	5.89	84	35090	4.949	ug/L	95
16) carbon disulfide	5.90	76	80825	4.704	ug/L	100
17) acrylonitrile	6.14	53	13770	5.113	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	144307	9.683	ug/L #	97
19) trans-1,2-dichloroethene	6.45	96	30715	4.152	ug/L	99
20) hexane	6.57	57	7788	4.360	ug/L	92
21) Isopropyl ether (DIPE)	7.10	45	105798	4.705	ug/L	94
23) 1,1-dichloroethane	7.32	63	71530	4.825	ug/L	98
24) Ethyl-t-butyl ether (ETBE)	7.97	59	87553	5.094	ug/L	99
25) 2,2-dichloropropane	8.50	77	35477	4.445	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	39450	4.870	ug/L	99
27) 2-butanone (MEK)	8.23	43	14792	5.051	ug/L	95
28) bromochloromethane	9.30	128	19817	4.871	ug/L	97
29) Tetrahydrofuran (THF)	9.39	42	7121	4.473	ug/L #	88
30) chloroform	8.94	83	68194	4.691	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	47975	4.793	ug/L	99
33) carbon tetrachloride	10.37	117	34401	4.493	ug/L	99
34) 1,1-dichloropropene	10.17	75	38642	4.395	ug/L	98
36) tert-amyl methyl ether (TA	10.47	73	62656	4.943	ug/L	96
37) benzene	10.78	78	146359	4.925	ug/L	99
38) 1,2-dichloroethane	10.77	62	58370	5.036	ug/L	99
39) trichloroethene	12.08	95	35071	4.458	ug/L	99
40) 1,2-dichloropropane	12.44	63	41136	4.886	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072310.D Vial: 10
Acq On : 23 Jul 2010 1:17 pm Operator: KJP
Sample : 5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 13:55:00 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 13:01:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

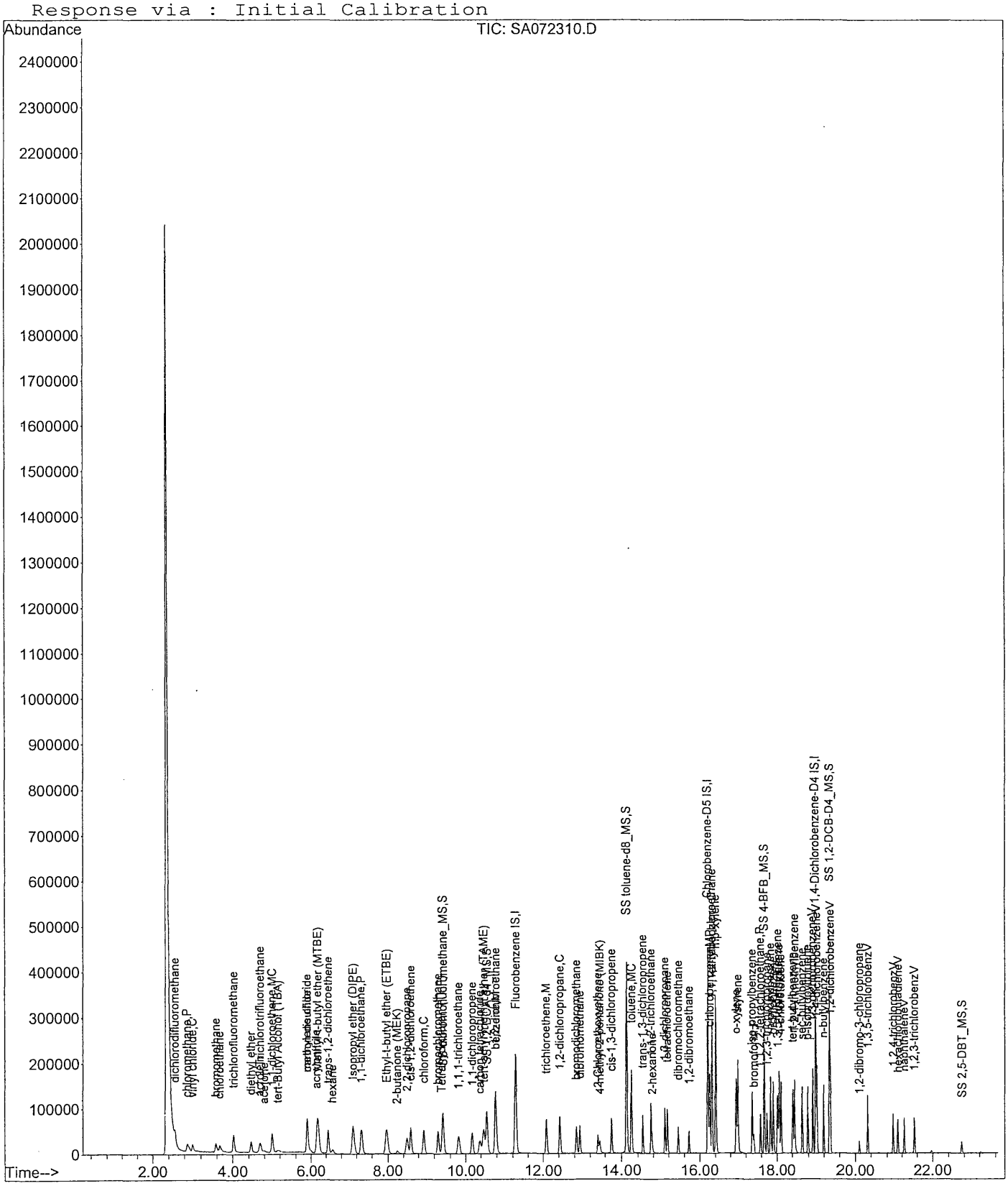
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
42)	dibromomethane	12.94	93	26298	4.890	ug/L		99
43)	bromodichloromethane	12.85	83	45457	4.839	ug/L		100
44)	2-Chloroethoxyethene	13.41	63	19916	4.589	ug/L		99
45)	4-methyl-2-pentanone (MIBK	13.46	58	10365	5.761	ug/L		92
46)	cis-1,3-dichloropropene	13.76	75	48487	4.952	ug/L		99
49)	toluene	14.24	91	145841	5.013	ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	42227	5.079	ug/L		99
51)	1,1,2-trichloroethane	14.74	83	30751	5.085	ug/L		99
52)	2-hexanone	14.78	43	17156	5.069	ug/L		96
53)	tetrachloroethene	15.16	166	30885	4.612	ug/L		99
54)	1,3-dichloropropane	15.10	76	57045	5.057	ug/L		99
55)	dibromochloromethane	15.45	129	29637	4.995	ug/L		97
56)	1,2-dibromoethane	15.72	107	32974	5.087	ug/L		100
57)	chlorobenzene	16.26	112	98935	4.821	ug/L		97
58)	1,1,1,2-tetrachloroethane	16.31	131	30288	5.210	ug/L		99
59)	ethylbenzene	16.32	91	140942	5.271	ug/L		99
60)	mp-xylene	16.41	106	107202	11.025	ug/L		98
61)	o-xylene	16.96	106	49967	5.373	ug/L		99
62)	styrene	16.99	104	99018	5.854	ug/L		99
63)	bromoform	17.41	173	16796	4.775	ug/L	#	100
64)	iso-propylbenzene	17.37	105	90155	5.175	ug/L		98
67)	bromobenzene	17.90	156	41025	5.212	ug/L		98
68)	1,1,2,2-tetrachloroethane	17.57	83	45168	5.278	ug/L		100
69)	1,2,3-trichloropropane	17.74	110	11742	4.607	ug/L		91
71)	n-propylbenzene	17.84	91	124716	5.079	ug/L		99
72)	2-chlorotoluene	18.05	91	105293	5.348	ug/L		99
73)	4-chlorotoluene	18.10	91	99324	5.144	ug/L		98
74)	1,3,5-trimethylbenzene	18.02	105	79811	5.331	ug/L		100
75)	tert-butylbenzene	18.42	119	63980m	5.146	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	92797	5.772	ug/L		98
77)	sec-butylbenzene	18.65	105	89652	5.346	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	61903	5.252	ug/L		98
79)	p-isopropyltoluene	18.78	119	72254	5.262	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	63389	4.842	ug/L	#	85
81)	1,2-dichlorobenzeneV	19.38	146	64640	5.083	ug/L	#	89
82)	n-butylbenzene	19.19	91	69088	5.143	ug/L		98
84)	1,2-dibromo-3-chloropropan	20.10	75	4553	4.747	ug/L		97
85)	1,3,5-trichlorobenzV	20.31	180	34338	5.025	ug/L		95
86)	1,2,4-trichlorobenzV	20.96	180	28188	5.089	ug/L		98
87)	hexachlorobutadieneV	21.09	225	16104	4.480	ug/L		97
88)	naphthaleneV	21.26	128	54047	5.198	ug/L		99
89)	1,2,3-trichlorobenzV	21.52	180	25349	5.356	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072310.D Vial: 10
Acq On : 23 Jul 2010 1:17 pm Operator: KJP
Sample : 5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:07 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072311.D Vial: 11
Acq On : 23 Jul 2010 1:53 pm Operator: KJP
Sample : 10 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 14:18:17 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 13:56:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	334613	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.20	117	244411	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	108493	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	88439	10.08	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.77%			
35) SS 1,2-DCA-d4_MS	10.55	65	106562	10.10	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.01%			
48) SS toluene-d8_MS	14.13	98	324719	10.22	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.16%			
65) SS 4-BFB_MS	17.68	95	126093	10.63	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 106.34%			
83) SS 1,2-DCB-D4_MS	19.35	152	100804	9.86	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.55%			
90) SS 2,5-DBT_MS	22.73	250	14477	10.80	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 27.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	96932	9.904	ug/L	99
3) chloromethane	2.87	50	90591	10.221	ug/L	99
4) vinyl chloride	2.99	62	61442	10.435	ug/L	95
5) bromomethane	3.58	94	49592	11.691	ug/L	99
6) chloroethane	3.67	64	51634	10.331	ug/L	99
7) trichlorofluoromethane	4.02	101	115537	10.109	ug/L	99
8) diethyl ether	4.47	59	47768	10.492	ug/L	96
9) 1,1,2-Trichlorotrifluoroet	4.69	101	37221	10.463	ug/L	99
10) acrolein	4.68	56	9608	9.650	ug/L	92
11) acetone	4.79	43	24970	11.710	ug/L	98
12) 1,1-dichloroethene	5.00	96	61504	11.232	ug/L	94
13) tert-Butyl Alcohol (TBA)	5.15	59	25608	64.170	ug/L	98
15) methylene chloride	5.89	84	75071	10.473	ug/L	98
16) carbon disulfide	5.90	76	195312	11.354	ug/L	100
17) acrylonitrile	6.14	53	30025	10.956	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.18	73	328825	21.919	ug/L	100
19) trans-1,2-dichloroethene	6.45	96	83502	11.534	ug/L	97
20) hexane	6.58	57	17957	10.366	ug/L	95
21) Isopropyl ether (DIPE)	7.10	45	263338	11.699	ug/L	99
22) vinyl acetate	7.34	43	123558	10.661	ug/L	99
23) 1,1-dichloroethane	7.32	63	160622	10.771	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	205936	11.783	ug/L	99
25) 2,2-dichloropropane	8.50	77	89992	11.382	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	92794	11.367	ug/L	98
27) 2-butanone (MEK)	8.23	43	35497	11.940	ug/L	99
28) bromochloromethane	9.30	128	44415	10.833	ug/L	99
29) Tetrahydrofuran (THF)	9.39	42	18305	11.594	ug/L	99
30) chloroform	8.94	83	156056	10.730	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	112350	11.172	ug/L	100
33) carbon tetrachloride	10.37	117	85391	11.237	ug/L	100
34) 1,1-dichloropropene	10.17	75	98395	11.320	ug/L	99
36) tert-amyl methyl ether (TA	10.47	73	156223	12.194	ug/L	98
37) benzene	10.78	78	339624	11.315	ug/L	99
38) 1,2-dichloroethane	10.77	62	129693	11.029	ug/L	99
39) trichloroethene	12.09	95	82794	10.618	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072311.D Vial: 11
Acq On : 23 Jul 2010 1:53 pm Operator: KJP
Sample : 10 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 14:18:17 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 13:56:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

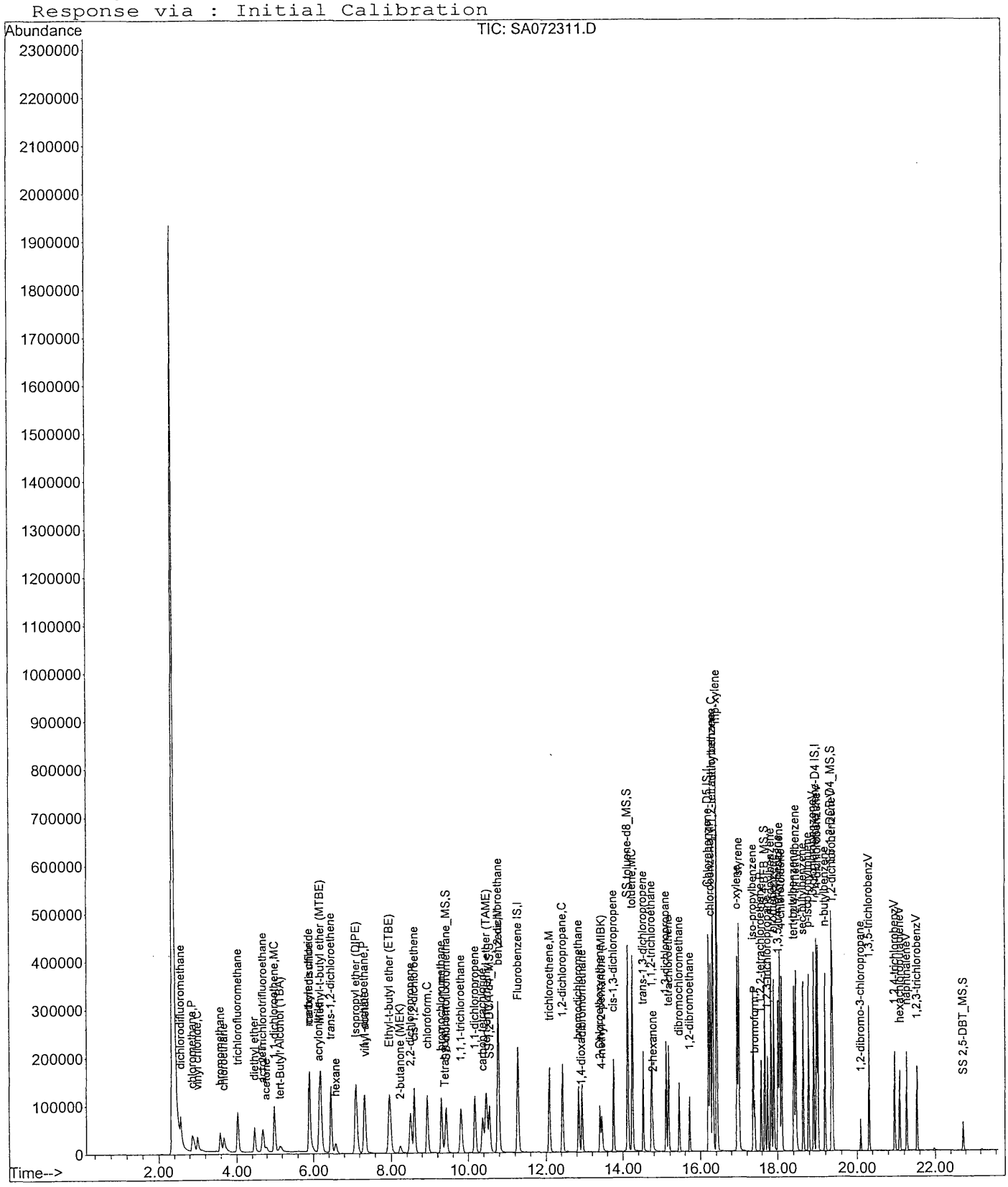
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	1,2-dichloropropane	12.44	63	94644	11.148	ug/L		99
41)	1,4-dioxane	12.91	88	1330	27.422	ug/L	#	74
42)	dibromomethane	12.94	93	59688	11.004	ug/L		100
43)	bromodichloromethane	12.85	83	107561	11.376	ug/L		99
44)	2-Chloroethoxyethene	13.41	63	45490	10.520	ug/L		99
45)	4-methyl-2-pentanone (MIBK	13.45	58	26531	14.125	ug/L		98
46)	cis-1,3-dichloropropene	13.76	75	119092	12.029	ug/L		99
49)	toluene	14.24	91	338280	11.558	ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	106866	12.744	ug/L		99
51)	1,1,2-trichloroethane	14.74	83	68049	11.153	ug/L		98
52)	2-hexanone	14.78	43	47740	13.989	ug/L		98
53)	tetrachloroethene	15.18	166	72794	10.982	ug/L		98
54)	1,3-dichloropropane	15.10	76	135020	11.877	ug/L		98
55)	dibromochloromethane	15.45	129	72522	12.159	ug/L		99
56)	1,2-dibromoethane	15.72	107	76714	11.729	ug/L		99
57)	chlorobenzene	16.26	112	225129	10.989	ug/L		99
58)	1,1,1,2-tetrachloroethane	16.31	131	71248	12.087	ug/L		99
59)	ethylbenzene	16.32	91	337449	12.416	ug/L		100
60)	mp-xylene	16.41	106	248036	24.861	ug/L		97
61)	o-xylene	16.95	106	123022	12.963	ug/L		98
62)	styrene	16.99	104	232562	13.223	ug/L		98
63)	bromoform	17.41	173	43950	12.538	ug/L	#	98
64)	iso-propylbenzene	17.37	105	224807	12.744	ug/L		99
67)	bromobenzene	17.90	156	92598	11.400	ug/L		99
68)	1,1,2,2-tetrachloroethane	17.57	83	100512	11.352	ug/L		99
69)	1,2,3-trichloropropane	17.74	110	27688	10.786	ug/L		94
71)	n-propylbenzene	17.84	91	302173	11.988	ug/L		99
72)	2-chlorotoluene	18.05	91	243686	11.930	ug/L		100
73)	4-chlorotoluene	18.10	91	233229	11.737	ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	203595	13.116	ug/L		100
75)	tert-butylbenzene	18.42	119	160132m	12.515	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	220021	12.973	ug/L		100
77)	sec-butylbenzene	18.65	105	219930	12.641	ug/L		98
78)	1,3-dichlorobenzeneV	18.91	146	138488	11.368	ug/L		99
79)	p-isopropyltoluene	18.78	119	184881	13.022	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	145354	10.919	ug/L		98
81)	1,2-dichlorobenzeneV	19.38	146	141918	10.869	ug/L		97
82)	n-butylbenzene	19.19	91	176427	12.761	ug/L		100
84)	1,2-dibromo-3-chloropropan	20.10	75	11803	12.150	ug/L		97
85)	1,3,5-trichlorobenzV	20.31	180	82458	11.781	ug/L		96
86)	1,2,4-trichlorobenzV	20.96	180	67722	11.906	ug/L		100
87)	hexachlorobutadieneV	21.09	225	37823	10.501	ug/L		98
88)	naphthaleneV	21.26	128	142754	13.313	ug/L		100
89)	1,2,3-trichlorobenzV	21.52	180	57502	11.707	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072311.D Vial: 11
Acq On : 23 Jul 2010 1:53 pm Operator: KJP
Sample : 10 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 14:24 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072312.D Vial: 12
Acq On : 23 Jul 2010 2:29 pm Operator: KJP
Sample : 20 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 15:36:17 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 14:26:39 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	335008	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.20	117	250059	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	111067	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	87878	9.99	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.87%			
35) SS 1,2-DCA-d4_MS	10.55	65	106030	10.02	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.22%			
48) SS toluene-d8_MS	14.13	98	326666	10.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.09%			
65) SS 4-BFB_MS	17.68	95	124998	10.20	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.96%			
83) SS 1,2-DCB-D4_MS	19.35	152	104280	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.83%			
90) SS 2,5-DBT_MS	22.73	250	32617	23.45	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 58.64%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	189108	19.330	ug/L	100
3) chloromethane	2.87	50	179882	20.197	ug/L	100
4) vinyl chloride	2.99	62	98915	16.658	ug/L	97
5) bromomethane	3.58	94	96633	22.130	ug/L	99
6) chloroethane	3.67	64	101229	20.119	ug/L	99
7) trichlorofluoromethane	4.02	101	225049	19.632	ug/L	98
8) diethyl ether	4.47	59	100218	21.772	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	4.69	101	68923	19.174	ug/L	98
10) acrolein	4.68	56	20625	20.812	ug/L	99
11) acetone	4.79	43	41208m	18.511	ug/L	
12) 1,1-dichloroethene	5.00	96	114214	20.414	ug/L	99
13) tert-Butyl Alcohol (TBA)	5.15	59	51696	123.554	ug/L	96
15) methylene chloride	5.89	84	149899	20.724	ug/L	99
16) carbon disulfide	5.91	76	391432	22.227	ug/L	100
17) acrylonitrile	6.14	53	60318	21.639	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.18	73	674608	44.209	ug/L	99
19) trans-1,2-dichloroethene	6.45	96	164903	22.184	ug/L	98
20) hexane	6.58	57	34340	19.621	ug/L	96
21) Isopropyl ether (DIPE)	7.10	45	550635	23.760	ug/L	99
22) vinyl acetate	7.34	43	278337m	23.726	ug/L	
23) 1,1-dichloroethane	7.32	63	320370	21.186	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	444234	24.654	ug/L	100
25) 2,2-dichloropropane	8.50	77	183219	22.625	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	191928	22.960	ug/L	100
27) 2-butanone (MEK)	8.23	43	68997	22.454	ug/L	98
28) bromochloromethane	9.30	128	92701	22.274	ug/L	95
29) Tetrahydrofuran (THF)	9.38	42	39374	24.265	ug/L	96
30) chloroform	8.94	83	312164	21.180	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	223211	21.744	ug/L	99
33) carbon tetrachloride	10.38	117	171135	22.040	ug/L	98
34) 1,1-dichloropropene	10.17	75	200839	22.582	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	333682	25.096	ug/L	95
37) benzene	10.78	78	679559	22.129	ug/L	99
38) 1,2-dichloroethane	10.77	62	259814	21.696	ug/L	99
39) trichloroethene	12.09	95	167304	21.212	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072312.D Vial: 12
Acq On : 23 Jul 2010 2:29 pm Operator: KJP
Sample : 20 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 15:36:17 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 14:26:39 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

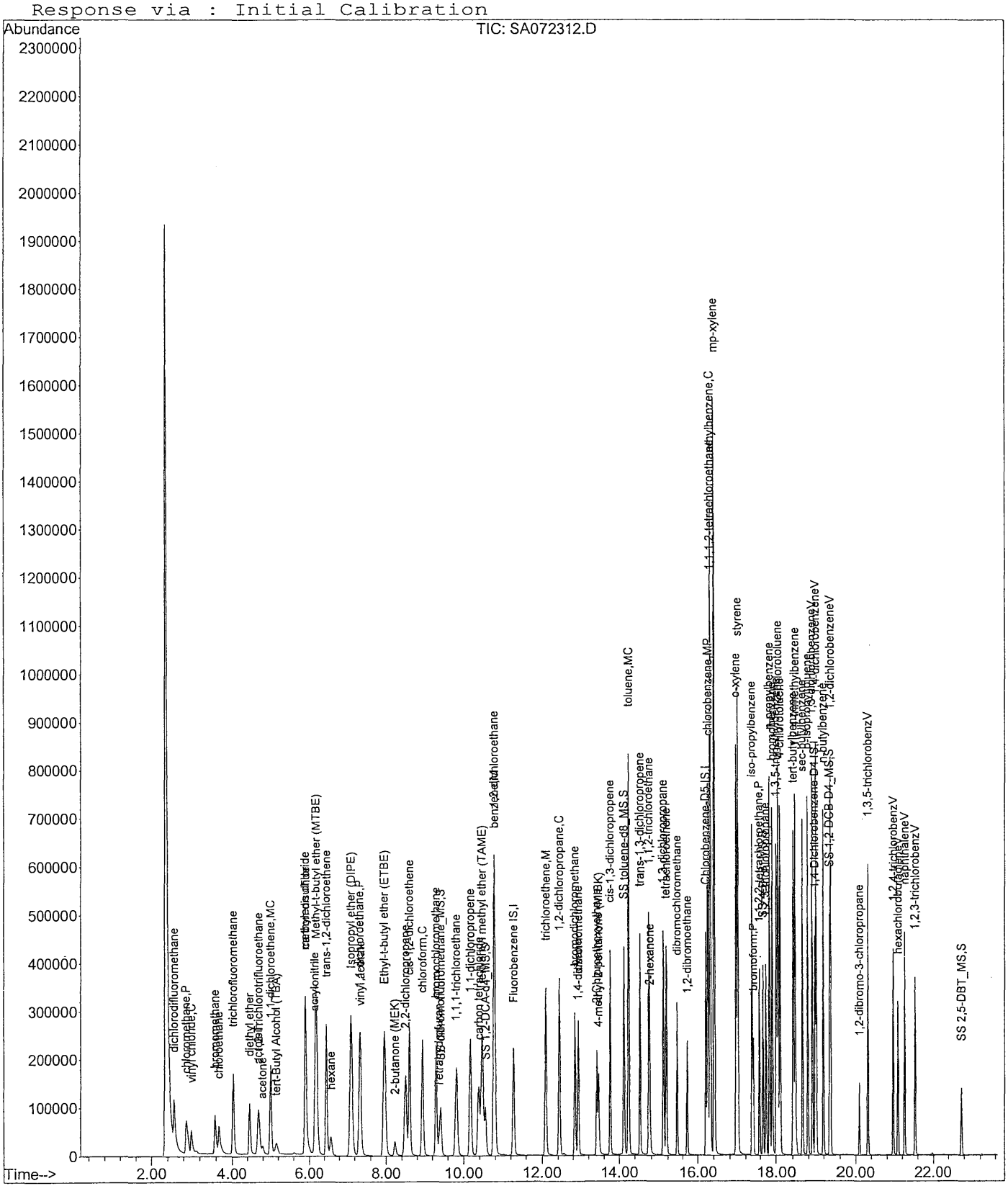
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	1,2-dichloropropane	12.44	63	193716	22.362	ug/L		98
41)	1,4-dioxane	12.93	88	3224	59.086	ug/L	#	79
42)	dibromomethane	12.94	93	120096	21.751	ug/L		99
43)	bromodichloromethane	12.85	83	228026	23.549	ug/L		100
44)	2-Chloroethoxyethene	13.41	63	103901	23.794	ug/L		98
45)	4-methyl-2-pentanone (MIBK	13.45	58	57486	28.603	ug/L		99
46)	cis-1,3-dichloropropene	13.76	75	265420	25.902	ug/L		99
49)	toluene	14.24	91	684937	22.294	ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	236161	26.323	ug/L		99
51)	1,1,2-trichloroethane	14.74	83	139780	21.970	ug/L		99
52)	2-hexanone	14.76	43	99785	26.798	ug/L		99
53)	tetrachloroethene	15.16	166	140320	20.358	ug/L		100
54)	1,3-dichloropropane	15.10	76	272223	22.695	ug/L		100
55)	dibromochloromethane	15.45	129	161185	25.496	ug/L		99
56)	1,2-dibromoethane	15.72	107	160996	23.386	ug/L		99
57)	chlorobenzene	16.26	112	452287	21.229	ug/L		100
58)	1,1,1,2-tetrachloroethane	16.31	131	151919	24.344	ug/L		100
59)	ethylbenzene	16.32	91	674637	23.322	ug/L		100
60)	mp-xylene	16.41	106	500488	47.123	ug/L		99
61)	o-xylene	16.95	106	253708	24.900	ug/L		99
62)	styrene	16.99	104	476787	25.146	ug/L	#	90
63)	bromoform	17.41	173	97805	26.165	ug/L	#	98
64)	iso-propylbenzene	17.37	105	456099	24.166	ug/L		100
67)	bromobenzene	17.90	156	188842	22.193	ug/L		99
68)	1,1,2,2-tetrachloroethane	17.57	83	205056	22.124	ug/L		99
69)	1,2,3-trichloropropane	17.74	110	55939	21.011	ug/L		96
71)	n-propylbenzene	17.84	91	597106	22.397	ug/L		99
72)	2-chlorotoluene	18.05	91	481065	22.288	ug/L		99
73)	4-chlorotoluene	18.10	91	467296	22.325	ug/L		100
74)	1,3,5-trimethylbenzene	18.01	105	405149	24.237	ug/L		100
75)	tert-butylbenzene	18.42	119	331295m	24.274	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	445767	24.463	ug/L		99
77)	sec-butylbenzene	18.65	105	437168	23.510	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	276624	21.686	ug/L		99
79)	p-isopropyltoluene	18.78	119	372826	24.421	ug/L		98
80)	1,4-dichlorobenzeneV	19.01	146	288822	20.874	ug/L		98
81)	1,2-dichlorobenzeneV	19.38	146	283904	20.936	ug/L		98
82)	n-butylbenzene	19.19	91	346753	23.421	ug/L		100
84)	1,2-dibromo-3-chloropropan	20.10	75	26903	26.116	ug/L		98
85)	1,3,5-trichlorobenzV	20.31	180	160493	21.754	ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	139795	23.269	ug/L		99
87)	hexachlorobutadieneV	21.09	225	72191	19.417	ug/L		98
88)	naphthaleneV	21.26	128	321072	27.718	ug/L		100
89)	1,2,3-trichlorobenzV	21.52	180	122438	23.677	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072312.D Vial: 12
Acq On : 23 Jul 2010 2:29 pm Operator: KJP
Sample : 20 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 15:37 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072314.D Vial: 14
Acq On : 23 Jul 2010 3:42 pm Operator: KJP
Sample : 50 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 13:38:15 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	340281	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	254659	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	110019	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	90588	10.14	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.38%			
35) SS 1,2-DCA-d4_MS	10.55	65	105826	9.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.06%			
48) SS toluene-d8_MS	14.13	98	328943	9.88	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.83%			
65) SS 4-BFB_MS	17.68	95	128266	10.20	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.98%			
83) SS 1,2-DCB-D4_MS	19.35	152	102129	9.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.08%			
90) SS 2,5-DBT_MS	22.73	250	89242	46.68	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 116.69%			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	257674	51.810	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	4.69	101	201855	53.451	ug/L	99
11) acetone	4.79	43	128178	59.240	ug/L	96
12) 1,1-dichloroethene	5.00	96	332361	55.231	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.15	59	123227	240.271	ug/L	94
15) methylene chloride	5.89	84	384404	50.525	ug/L	99
16) carbon disulfide	5.91	76	1136220	57.543	ug/L	100
17) acrylonitrile	6.14	53	147975	51.234	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.18	73	1688991	103.343	ug/L	100
19) trans-1,2-dichloroethene	6.45	96	458522	56.195	ug/L	100
20) hexane	6.58	57	110148	54.950	ug/L	95
21) Isopropyl ether (DIPE)	7.10	45	1473522	55.032	ug/L	99
23) 1,1-dichloroethane	7.32	63	872093	53.632	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	1179977	53.175	ug/L	99
25) 2,2-dichloropropane	8.50	77	547243	49.131	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	506299	53.699	ug/L	99
27) 2-butanone (MEK)	8.23	43	191618	53.372	ug/L	99
28) bromochloromethane	9.30	128	238258	51.710	ug/L	99
29) Tetrahydrofuran (THF)	9.38	42	106204	51.921	ug/L	98
30) chloroform	8.94	83	822825	51.730	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	638882	53.586	ug/L	99
33) carbon tetrachloride	10.37	117	525034	48.116	ug/L	99
34) 1,1-dichloropropene	10.17	75	598196	55.889	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	897766	52.728	ug/L	96
37) benzene	10.78	78	1809815	55.524	ug/L	100
38) 1,2-dichloroethane	10.77	62	653281	50.916	ug/L	99
39) trichloroethene	12.09	95	471910	54.617	ug/L	99
40) 1,2-dichloropropane	12.44	63	508028	53.236	ug/L	99
42) dibromomethane	12.94	93	305840	52.213	ug/L	99
43) bromodichloromethane	12.85	83	620001	50.908	ug/L	99
45) 4-methyl-2-pentanone (MIBK	13.45	58	144258	50.310	ug/L	94
46) cis-1,3-dichloropropene	13.76	75	726059	56.481	ug/L	100
49) toluene	14.24	91	1785697	55.133	ug/L	100
50) trans-1,3-dichloropropene	14.52	75	648455	49.076	ug/L	99
51) 1,1,2-trichloroethane	14.74	83	350607	50.681	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072314.D Vial: 14
Acq On : 23 Jul 2010 3:42 pm Operator: KJP
Sample : 50 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 13:38:15 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

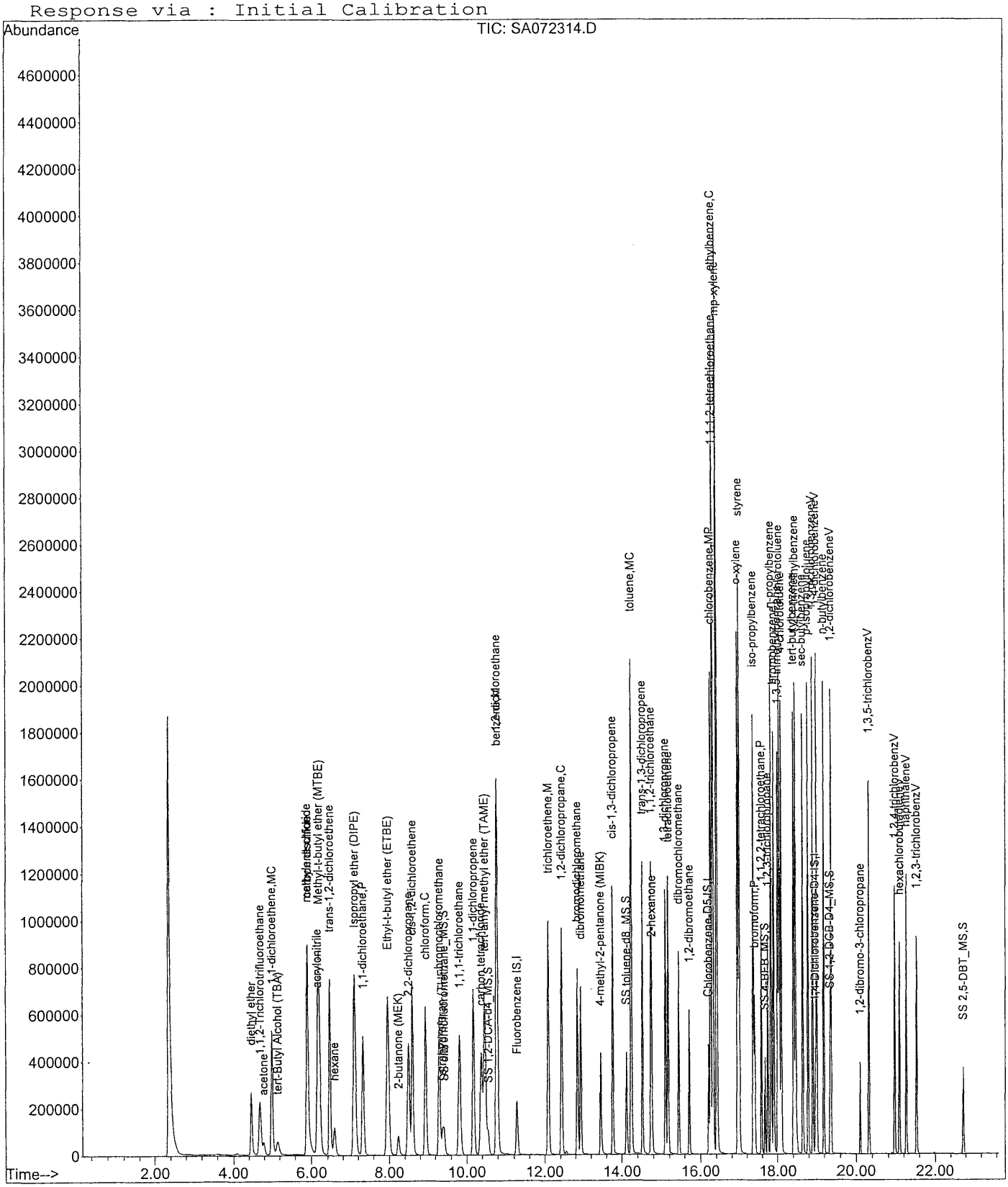
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	2-hexanone	14.76	43	281105	55.856	ug/L		97
53)	tetrachloroethene	15.18	166	391931	53.921	ug/L		99
54)	1,3-dichloropropane	15.10	76	677712	51.523	ug/L		100
55)	dibromochloromethane	15.45	129	439723	54.674	ug/L		99
56)	1,2-dibromoethane	15.72	107	411829	52.893	ug/L		99
57)	chlorobenzene	16.26	112	1177334	52.754	ug/L		99
58)	1,1,1,2-tetrachloroethane	16.31	131	407190	56.802	ug/L		99
59)	ethylbenzene	16.32	91	1787171	56.903	ug/L		99
60)	mp-xylene	16.41	106	1298903	113.034	ug/L		98
61)	o-xylene	16.95	106	666963	56.252	ug/L		99
62)	styrene	16.99	104	1227233	56.381	ug/L		99
63)	bromoform	17.41	173	275563	47.773	ug/L	#	100
64)	iso-propylbenzene	17.37	105	1263352	56.795	ug/L		99
67)	bromobenzene	17.90	156	477803	53.398	ug/L		100
68)	1,1,2,2-tetrachloroethane	17.58	83	505692	51.321	ug/L		99
69)	1,2,3-trichloropropane	17.74	110	135207	49.861	ug/L		100
71)	n-propylbenzene	17.84	91	1641237	57.481	ug/L		99
72)	2-chlorotoluene	18.05	91	1257892	54.131	ug/L		100
73)	4-chlorotoluene	18.11	91	1225765	55.910	ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	1091240	57.391	ug/L		98
75)	tert-butylbenzene	18.42	119	916005m	58.258	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	1167898	56.886	ug/L		100
77)	sec-butylbenzene	18.65	105	1209283	57.941	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	711396	53.282	ug/L		100
79)	p-isopropyltoluene	18.78	119	1050638	59.807	ug/L		100
80)	1,4-dichlorobenzeneV	19.01	146	730131	52.216	ug/L		98
81)	1,2-dichlorobenzeneV	19.38	146	714596	52.166	ug/L		98
82)	n-butylbenzene	19.19	91	972452	59.102	ug/L		98
84)	1,2-dibromo-3-chloropropan	20.10	75	74210	46.729	ug/L		99
85)	1,3,5-trichlorobenzV	20.31	180	429552	54.388	ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	375531	55.852	ug/L		98
87)	hexachlorobutadieneV	21.09	225	199510	52.301	ug/L		100
88)	naphthaleneV	21.26	128	839015	55.722	ug/L		100
89)	1,2,3-trichlorobenzV	21.52	180	312128	53.623	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072314.D Vial: 14
Acq On : 23 Jul 2010 3:42 pm Operator: KJP
Sample : 50 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 13:39 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072306.D Vial: 6
Acq On : 23 Jul 2010 10:32 am Operator: KJP
Sample : 100 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:07:23 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 10:31:46 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	332674	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.20	117	244745	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	108629	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	86566	9.65	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.53%			
35) SS 1,2-DCA-d4_MS	10.55	65	102022	9.52	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.18%			
48) SS toluene-d8_MS	14.13	98	321076	10.04	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.44%			
65) SS 4-BFB_MS	17.68	95	124558	10.53	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 105.32%			
83) SS 1,2-DCB-D4_MS	19.35	152	99822	9.65	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.55%			
90) SS 2,5-DBT_MS	22.73	250	189208	185.53	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 463.82%#			
Target Compounds 11 192736 acetone area = 192736 8/31/10						Qvalue
8) diethyl ether	4.47	59	513801	102.307	ug/L	99
9) 1,1,2-Trichlorotrifluoroet	4.69	101	399862	102.645	ug/L	99
12) 1,1-dichloroethene	5.00	96	668241	122.299	ug/L	97
13) tert-Butyl Alcohol (TBA)	5.16	59	239038	619.599	ug/L	98
15) methylene chloride	5.89	84	754795	101.723	ug/L	99
16) carbon disulfide	5.90	76	2288049	139.081	ug/L	100
17) acrylonitrile	6.14	53	292116	101.705	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.18	73	3351237	219.617	ug/L	99
19) trans-1,2-dichloroethene	6.46	96	809888	106.712	ug/L	99
21) Isopropyl ether (DIPE)	7.10	45	2929390	138.782	ug/L	98
23) 1,1-dichloroethane	7.32	63	1731472	117.042	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	2376479	153.659	ug/L	99
25) 2,2-dichloropropane	8.50	77	1093254	149.191	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	1001920	127.703	ug/L	98
27) 2-butanone (MEK)	8.23	43	352696	119.165	ug/L	98
28) bromochloromethane	9.30	128	476884	118.742	ug/L	96
29) Tetrahydrofuran (THF)	9.38	42	212481	139.906	ug/L	95
30) chloroform	8.94	83	1616910	108.205	ug/L	100
32) 1,1,1-trichloroethane	9.81	97	1301411	138.479	ug/L	99
33) carbon tetrachloride	10.38	117	1087785	157.801	ug/L	99
34) 1,1-dichloropropene	10.17	75	1204737	147.968	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	1826065	165.488	ug/L	89
37) benzene	10.78	78	3477446	119.399	ug/L	99
38) 1,2-dichloroethane	10.77	62	1278453	107.883	ug/L	99
39) trichloroethene	12.09	95	941982	119.287	ug/L	99
40) 1,2-dichloropropane	12.44	63	1003259	120.749	ug/L	97
42) dibromomethane	12.94	93	597558	109.432	ug/L	100
43) bromodichloromethane	12.85	83	1245870	143.939	ug/L	100
45) 4-methyl-2-pentanone (MIBK	13.45	58	293887	209.513	ug/L	93
46) cis-1,3-dichloropropene	13.76	75	1459362	174.327	ug/L	100
49) toluene	14.24	91	3414317	118.553	ug/L	99
50) trans-1,3-dichloropropene	14.52	75	1321892	197.631	ug/L	99
51) 1,1,2-trichloroethane	14.74	83	688533	113.614	ug/L	100
52) 2-hexanone	14.76	43	516056	181.653	ug/L	96
53) tetrachloroethene	15.18	166	772691	113.947	ug/L	99

(#) = qualifier out of range (m) = manual integration
SA072306.D 4VID0723.M Tue Aug 31 12:11:42 2010 Page 1

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072306.D Vial: 6
Acq On : 23 Jul 2010 10:32 am Operator: KJP
Sample : 100 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:07:23 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 10:31:46 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
54)	1,3-dichloropropane	15.11	76	1346599	122.015	ug/L		100
55)	dibromochloromethane	15.45	129	900861	174.862	ug/L		100
56)	1,2-dibromoethane	15.72	107	810050	129.903	ug/L		99
57)	chlorobenzene	16.26	112	2253618	106.533	ug/L		99
58)	1,1,1,2-tetrachloroethane	16.31	131	784161	151.722	ug/L		99
59)	ethylbenzene	16.32	91	3277819	128.514	ug/L		98
60)	mp-xylene	16.42	106	2404420	265.783	ug/L		96
61)	o-xylene	16.96	106	1293733	157.265	ug/L		98
62)	styrene	16.99	104	2298130	156.205	ug/L	#	89
63)	bromoform	17.41	173	581081	203.012	ug/L	#	100
64)	iso-propylbenzene	17.37	105	2474698	160.371	ug/L		99
67)	bromobenzene	17.92	156	911235	114.321	ug/L		99
68)	1,1,2,2-tetrachloroethane	17.58	83	990167	115.637	ug/L		100
69)	1,2,3-trichloropropane	17.76	110	270276	100.007	ug/L		97
~~70)~~	~~t-1,4-dichloro-2-butene~~	~~17.84~~	~~53~~	~~15777~~	~~35.926~~	ug/L	#	1
71)	n-propylbenzene	17.84	91	3146048	131.339	ug/L		97
72)	2-chlorotoluene	18.05	91	2416568	126.058	ug/L		99
73)	4-chlorotoluene	18.11	91	2339550	122.028	ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	2142389	161.176	ug/L		99
75)	tert-butylbenzene	18.42	119	1786788m	156.384	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	2238222	156.174	ug/L		98
77)	sec-butylbenzene	18.65	105	2323088	148.929	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	1380885	116.788	ug/L		100
79)	p-isopropyltoluene	18.78	119	2017920	164.478	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	1415178	102.891	ug/L		97
81)	1,2-dichlorobenzeneV	19.39	146	1371655	102.621	ug/L		97
82)	n-butylbenzene	19.19	91	1841173	146.952	ug/L		98
84)	1,2-dibromo-3-chloropropan	20.10	75	155122	205.649	ug/L		99
85)	1,3,5-trichlorobenzV	20.31	180	851253	124.879	ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	741801	143.543	ug/L		99
87)	hexachlorobutadieneV	21.09	225	388769	109.988	ug/L		99
88)	naphthaleneV	21.26	128	1688876	196.162	ug/L		99
89)	1,2,3-trichlorobenzV	21.53	180	621166	137.735	ug/L		99

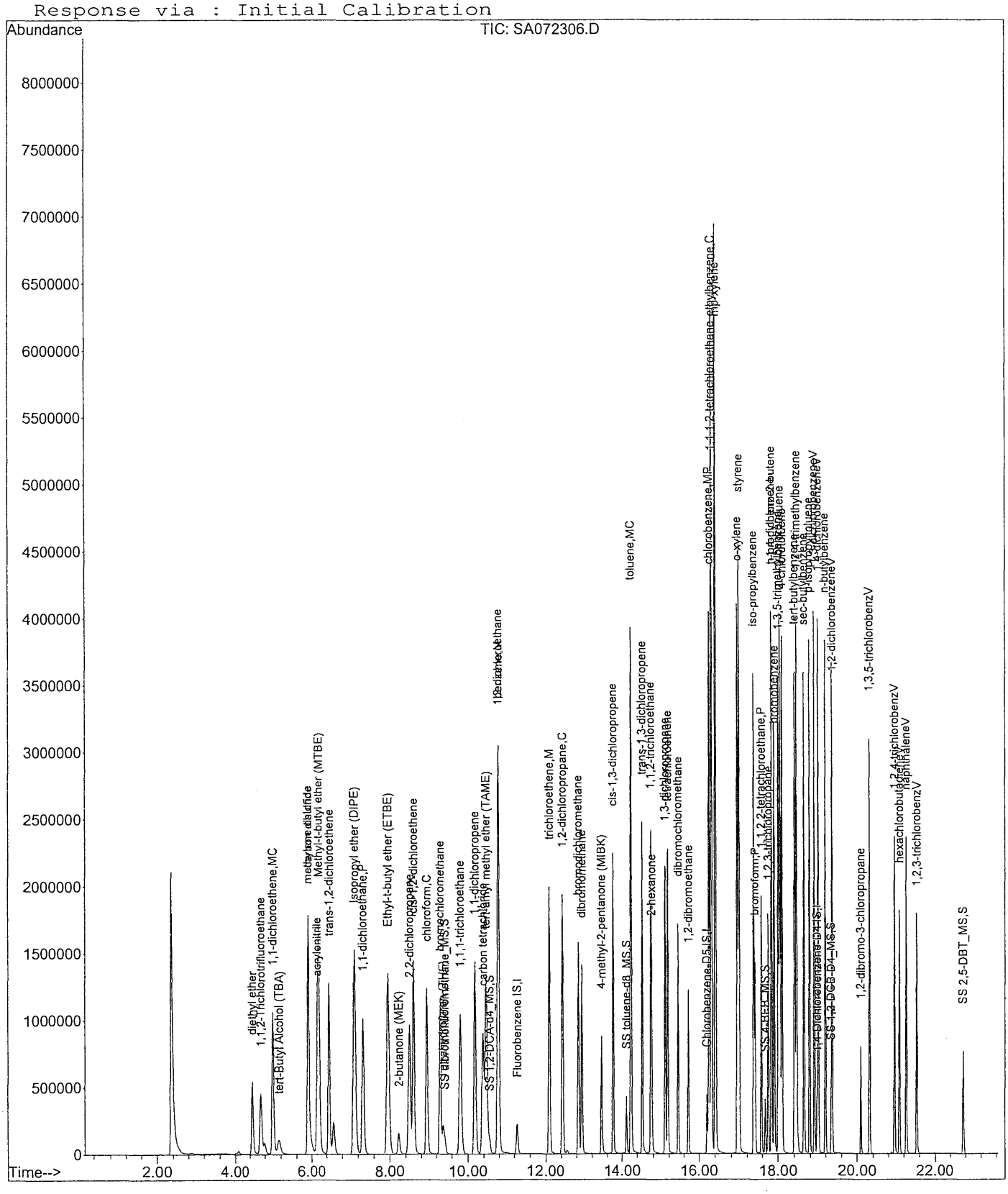
8/31/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072306.D Vial: 6
Acq On : 23 Jul 2010 10:32 am Operator: KJP
Sample : 100 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:08 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072318.D Vial: 18
Acq On : 23 Jul 2010 6:06 pm Operator: KJP
Sample : 200 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:06:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	343082	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	248169	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	107780	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	89540	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.54%			
35) SS 1,2-DCA-d4_MS	10.55	65	103161	9.55	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.45%			
48) SS toluene-d8_MS	14.13	98	323993	10.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.09%			
65) SS 4-BFB_MS	17.68	95	127664	10.47	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 104.75%			
83) SS 1,2-DCB-D4_MS	19.35	152	99089	9.78	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.83%			
90) SS 2,5-DBT_MS	22.73	250	393209	275.25	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 688.13%#			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	1010139	208.600	ug/L	95
9) 1,1,2-Trichlorotrifluoroet	4.68	101	811634	218.469	ug/L	99
11) acetone	4.80	43	375223	162.646	ug/L	96
12) 1,1-dichloroethene	5.00	96	1309397	223.215	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.16	59	532174	1072.085	ug/L	89
15) methylene chloride	5.89	84	1439100	192.289	ug/L	98
16) carbon disulfide	5.90	76	4095898	216.756	ug/L	100
17) acrylonitrile	6.14	53	532369	183.571	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.18	73	6536234	408.307	ug/L	99
19) trans-1,2-dichloroethene	6.45	96	1840129	232.321	ug/L	99
20) hexane	6.58	57	469841	252.852	ug/L	93
21) Isopropyl ether (DIPE)	7.10	45	5765715	230.269	ug/L	98
23) 1,1-dichloroethane	7.32	63	3474884	219.047	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	4911149	249.839	ug/L	98
25) 2,2-dichloropropane	8.50	77	2378275	271.119	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	1988069	222.752	ug/L	98
27) 2-butanone (MEK)	8.23	43	754275	229.630	ug/L	99
28) bromochloromethane	9.30	128	958517	218.316	ug/L	97
29) Tetrahydrofuran (THF)	9.38	42	458644	259.701	ug/L	99
30) chloroform	8.94	83	3228704	209.758	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	2680564	245.394	ug/L	98
33) carbon tetrachloride	10.37	117	2292152	273.437	ug/L	99
34) 1,1-dichloropropene	10.17	75	2426920	252.160	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	3864351	264.483	ug/L #	88
37) benzene	10.78	78	6471644	199.117	ug/L	99
38) 1,2-dichloroethane	10.77	62	2452860	196.112	ug/L	98
39) trichloroethene	12.09	95	1859170	223.504	ug/L	99
40) 1,2-dichloropropane	12.44	63	1941638	211.646	ug/L	98
42) dibromomethane	12.94	93	1172113	202.770	ug/L	99
43) bromodichloromethane	12.85	83	2472537	236.387	ug/L	100
45) 4-methyl-2-pentanone (MIBK	13.45	58	628106	276.066	ug/L	97
46) cis-1,3-dichloropropene	13.77	75	2863373	251.177	ug/L	99
49) toluene	14.25	91	6163021	195.857	ug/L	97
50) trans-1,3-dichloropropene	14.52	75	2625361	270.029	ug/L	99
51) 1,1,2-trichloroethane	14.74	83	1289112	199.652	ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072318.D Vial: 18
Acq On : 23 Jul 2010 6:06 pm Operator: KJP
Sample : 200 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:06:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

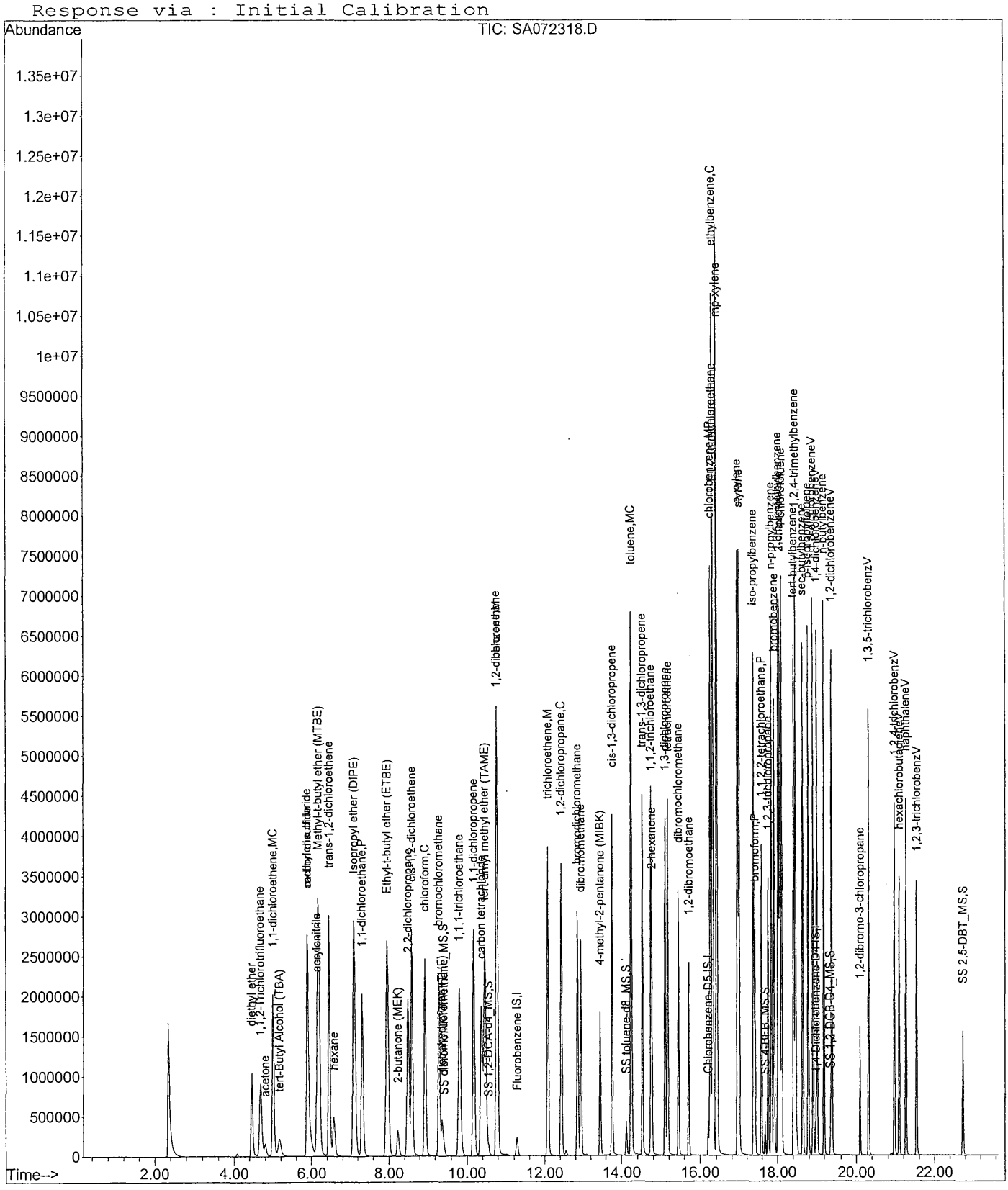
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	2-hexanone	14.76	43	1025609	251.658	ug/L		94
53)	tetrachloroethene	15.18	166	1490453	214.278	ug/L		98
54)	1,3-dichloropropane	15.11	76	2525378	205.854	ug/L		99
55)	dibromochloromethane	15.45	129	1790046	264.144	ug/L		98
56)	1,2-dibromoethane	15.72	107	1582299	222.041	ug/L		100
57)	chlorobenzene	16.26	112	4010029	186.236	ug/L		99
58)	1,1,1,2-tetrachloroethane	16.31	131	1423553	216.366	ug/L		99
59)	ethylbenzene	16.32	91	5487997	182.510	ug/L		96
60)	mp-xylene	16.42	106	4028077	364.863	ug/L		89
61)	o-xylene	16.96	106	2367489	219.567	ug/L		94
62)	styrene	17.00	104	4153935	207.069	ug/L	#	88
63)	bromoform	17.41	173	1174664	289.305	ug/L	#	98
64)	iso-propylbenzene	17.37	105	4511753	226.097	ug/L		97
67)	bromobenzene	17.92	156	1680475	197.504	ug/L		99
68)	1,1,2,2-tetrachloroethane	17.58	83	1895714	205.433	ug/L		100
69)	1,2,3-trichloropropane	17.76	110	527379	202.207	ug/L		99
71)	n-propylbenzene	17.84	91	5503872	203.514	ug/L		95
72)	2-chlorotoluene	18.05	91	4615969	212.649	ug/L		99
73)	4-chlorotoluene	18.11	91	3861463	183.264	ug/L		96
74)	1,3,5-trimethylbenzene	18.02	105	3910884	226.115	ug/L		98
75)	tert-butylbenzene	18.42	119	3291353m	232.016	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	4078794	216.658	ug/L		97
77)	sec-butylbenzene	18.65	105	4258959	222.442	ug/L		97
78)	1,3-dichlorobenzeneV	18.91	146	2482487	195.412	ug/L		98
79)	p-isopropyltoluene	18.78	119	3668148	230.045	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	2508654	184.322	ug/L		98
81)	1,2-dichlorobenzeneV	19.39	146	2461357	184.492	ug/L		98
82)	n-butylbenzene	19.19	91	3339240	218.826	ug/L		96
84)	1,2-dibromo-3-chloropropan	20.10	75	322036	294.189	ug/L		98
85)	1,3,5-trichlorobenzV	20.31	180	1563141	211.379	ug/L		98
86)	1,2,4-trichlorobenzV	20.96	180	1401708	228.286	ug/L		99
87)	hexachlorobutadieneV	21.09	225	747237	205.714	ug/L		98
88)	naphthaleneV	21.26	128	3252289	261.591	ug/L		99
89)	1,2,3-trichlorobenzV	21.53	180	1204186	228.468	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072318.D Vial: 18
Acq On : 23 Jul 2010 6:06 pm Operator: KJP
Sample : 200 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 9:07 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072321.D Vial: 21
Acq On : 23 Jul 2010 7:55 pm Operator: KJP
Sample : 300 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:10:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	337792	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	249666	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	108255	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	90653	10.24	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.36%			
35) SS 1,2-DCA-d4_MS	10.55	65	105843	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.47%			
48) SS toluene-d8_MS	14.13	98	325992	10.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.11%			
65) SS 4-BFB_MS	17.68	95	123365	10.06	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.61%			
83) SS 1,2-DCB-D4_MS	19.35	152	99054	9.74	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.37%			
90) SS 2,5-DBT_MS	22.73	250	620798	432.66	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 1081.65%#			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	1478039	310.004	ug/L	95
9) 1,1,2-Trichlorotrifluoroet	4.68	101	1169365	319.689	ug/L	99
11) acetone	4.81	43	589062	259.337	ug/L	96
12) 1,1-dichloroethene	4.99	96	1895634	328.212	ug/L	97
13) tert-Butyl Alcohol (TBA)	5.19	59	894233	1829.679	ug/L #	86
15) methylene chloride	5.89	84	2110043	286.353	ug/L	96
16) carbon disulfide	5.90	76	5561861	298.945	ug/L	100
17) acrylonitrile	6.16	53	796968	279.113	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.19	73	9639512	611.594	ug/L	99
19) trans-1,2-dichloroethene	6.45	96	2077178	266.355	ug/L	99
20) hexane	6.57	57	663855	362.859	ug/L	92
21) Isopropyl ether (DIPE)	7.12	45	8199925	332.614	ug/L	98
23) 1,1-dichloroethane	7.32	63	5012906	320.948	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	7328240	378.639	ug/L	98
25) 2,2-dichloropropane	8.50	77	3363089	389.390	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	2837850	322.945	ug/L	99
27) 2-butanone (MEK)	8.23	43	1206899	373.181	ug/L	98
28) bromochloromethane	9.31	128	1391571	321.914	ug/L	96
29) Tetrahydrofuran (THF)	9.39	42	745754	428.887	ug/L	97
30) chloroform	8.94	83	4679682	308.784	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	4015561	373.364	ug/L	98
33) carbon tetrachloride	10.37	117	3400110	411.960	ug/L	99
34) 1,1-dichloropropene	10.17	75	3493933	368.709	ug/L	99
36) tert-amyl methyl ether (TA	10.47	73	5932753	412.407	ug/L #	85
37) benzene	10.79	78	8839081	276.217	ug/L	99
38) 1,2-dichloroethane	10.78	62	3472867	282.012	ug/L	97
39) trichloroethene	12.09	95	2625213	320.538	ug/L	99
40) 1,2-dichloropropane	12.44	63	2747625	304.193	ug/L	97
42) dibromomethane	12.94	93	1686563	296.336	ug/L	98
43) bromodichloromethane	12.85	83	3585689	348.178	ug/L	100
45) 4-methyl-2-pentanone (MIBK	13.45	58	986447	440.354	ug/L	99
46) cis-1,3-dichloropropene	13.77	75	3970427	353.743	ug/L	99
49) toluene	14.25	91	8045893	254.161	ug/L	94
51) 1,1,2-trichloroethane	14.75	83	1812961	279.099	ug/L	99
52) 2-hexanone	14.78	43	1566102	381.978	ug/L #	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072321.D Vial: 21
Acq On : 23 Jul 2010 7:55 pm Operator: KJP
Sample : 300 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:10:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

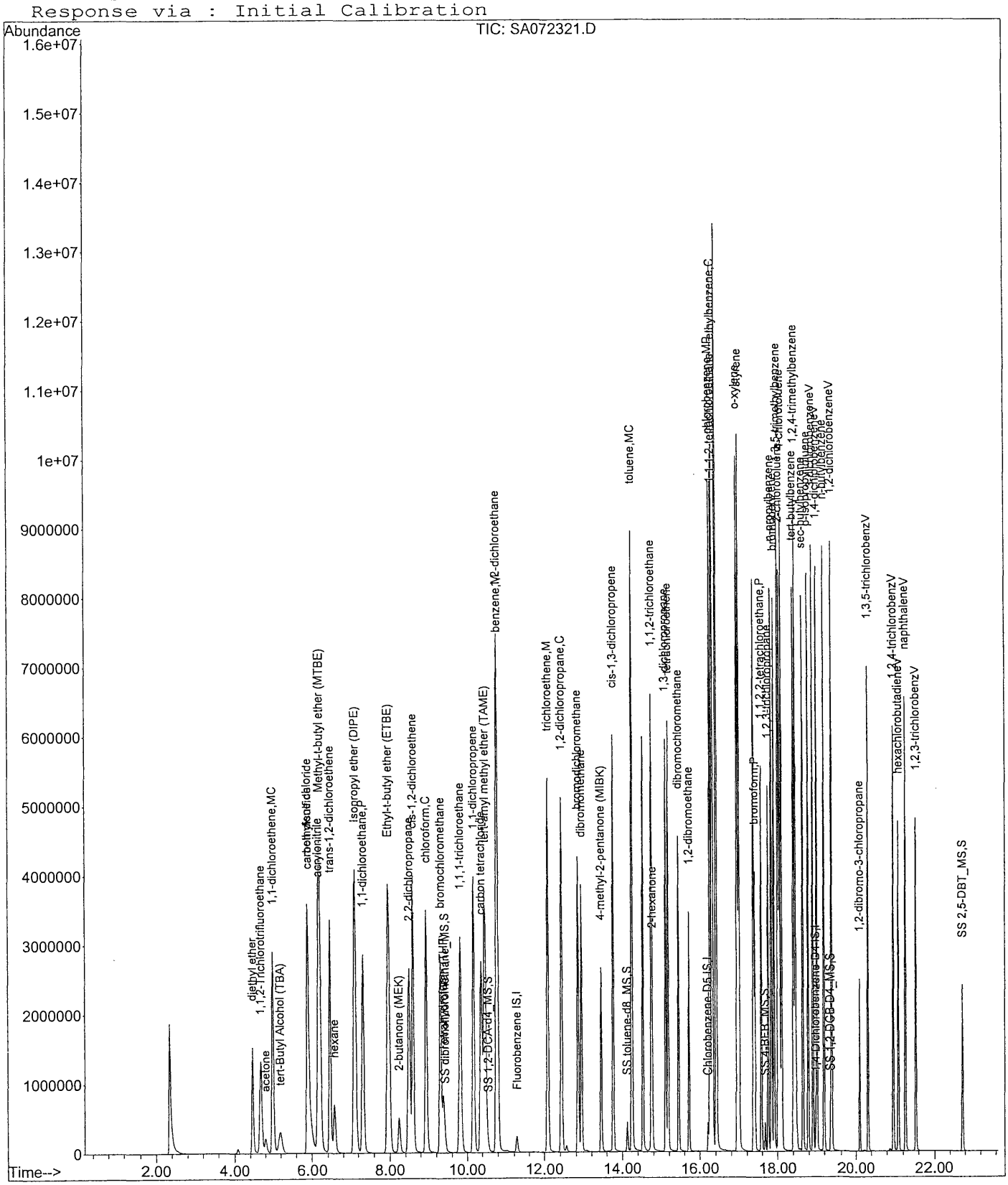
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
53)	tetrachloroethene	15.18	166	2049462	292.879	ug/L	98
54)	1,3-dichloropropane	15.11	76	3535614	286.474	ug/L	99
55)	dibromochloromethane	15.45	129	2554237	374.650	ug/L	97
56)	1,2-dibromoethane	15.72	107	2253845	314.381	ug/L	99
57)	chlorobenzene	16.26	112	5330287	246.068	ug/L	97
58)	1,1,1,2-tetrachloroethane	16.31	131	1914308	289.212	ug/L	99
59)	ethylbenzene	16.33	91	6751217	223.173	ug/L	93
61)	o-xylene	16.96	106	3161486	291.446	ug/L	91
62)	styrene	17.00	104	5375532	266.358	ug/L	94
63)	bromoform	17.41	173	1719055	420.844	ug/L #	98
67)	bromobenzene	17.92	156	2279948	266.784	ug/L	98
68)	1,1,2,2-tetrachloroethane	17.58	83	2722869	293.775	ug/L	100
69)	1,2,3-trichloropropane	17.76	110	772850	295.026	ug/L	100
71)	n-propylbenzene	17.84	91	6936218	255.351	ug/L	92
72)	2-chlorotoluene	18.05	91	5926973	271.846	ug/L	98
73)	4-chlorotoluene	18.11	91	5129324	242.368	ug/L	95
74)	1,3,5-trimethylbenzene	18.02	105	5137429	295.726	ug/L	98
75)	tert-butylbenzene	18.42	119	4343607m	304.849	ug/L	
76)	1,2,4-trimethylbenzene	18.46	105	5264540	278.415	ug/L	96
77)	sec-butylbenzene	18.65	105	5471337	284.510	ug/L	96
78)	1,3-dichlorobenzeneV	18.91	146	3263810	255.787	ug/L	96
79)	p-isopropyltoluene	18.78	119	4772777	298.007	ug/L	98
80)	1,4-dichlorobenzeneV	19.02	146	3259168	238.415	ug/L	97
81)	1,2-dichlorobenzeneV	19.39	146	3218143	240.159	ug/L	97
82)	n-butylbenzene	19.19	91	4287913	279.761	ug/L	95
84)	1,2-dibromo-3-chloropropan	20.10	75	516762	470.005	ug/L	99
85)	1,3,5-trichlorobenzV	20.31	180	2056871	276.924	ug/L	97
86)	1,2,4-trichlorobenzV	20.96	180	1902667	308.514	ug/L	99
87)	hexachlorobutadieneV	21.09	225	1006199	275.790	ug/L	99
88)	naphthaleneV	21.26	128	4861181	389.283	ug/L	97
89)	1,2,3-trichlorobenzV	21.53	180	1717704	324.466	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072321.D Vial: 21
Acq On : 23 Jul 2010 7:55 pm Operator: KJP
Sample : 300 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:17 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072307.D Vial: 7
Acq On : 23 Jul 2010 11:08 am Operator: KJP
Sample : 50 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:09:14 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 12:08:55 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	329839	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	241945	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	103212	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	0.00	111	0d	0.00 ug/L	
Spiked Amount 10.000	Range 80 - 120		Recovery =	0.00%#	
35) SS 1,2-DCA-d4_MS	10.55	65	101727	9.69 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery =	96.89%	
48) SS toluene-d8_MS	14.13	98	320542	10.13 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery =	101.32%	
65) SS 4-BFB_MS	17.68	95	116568	9.84 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery =	98.39%	
83) SS 1,2-DCB-D4_MS	19.35	152	98154	10.08 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery =	100.78%	
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	2.56	85	532225	57.826 ug/L	99
3) chloromethane	2.87	50	450472	15983.078 ug/L	100
4) vinyl chloride	2.99	62	259434	37.160 ug/L	96
5) bromomethane	3.58	94	202343	87.186 ug/L	99
6) chloroethane	3.68	64	263543	56.227 ug/L	99
7) trichlorofluoromethane	4.02	101	622577	61.419 ug/L	98
10) acrolein	4.68	56	54310	21284.498 ug/L	100
22) vinyl acetate	7.34	43	767530	35751.927 ug/L	100
44) 2-Chloroethoxyethene	13.41	63	286334	29762.471 ug/L	98

14Dioxane area = 5475

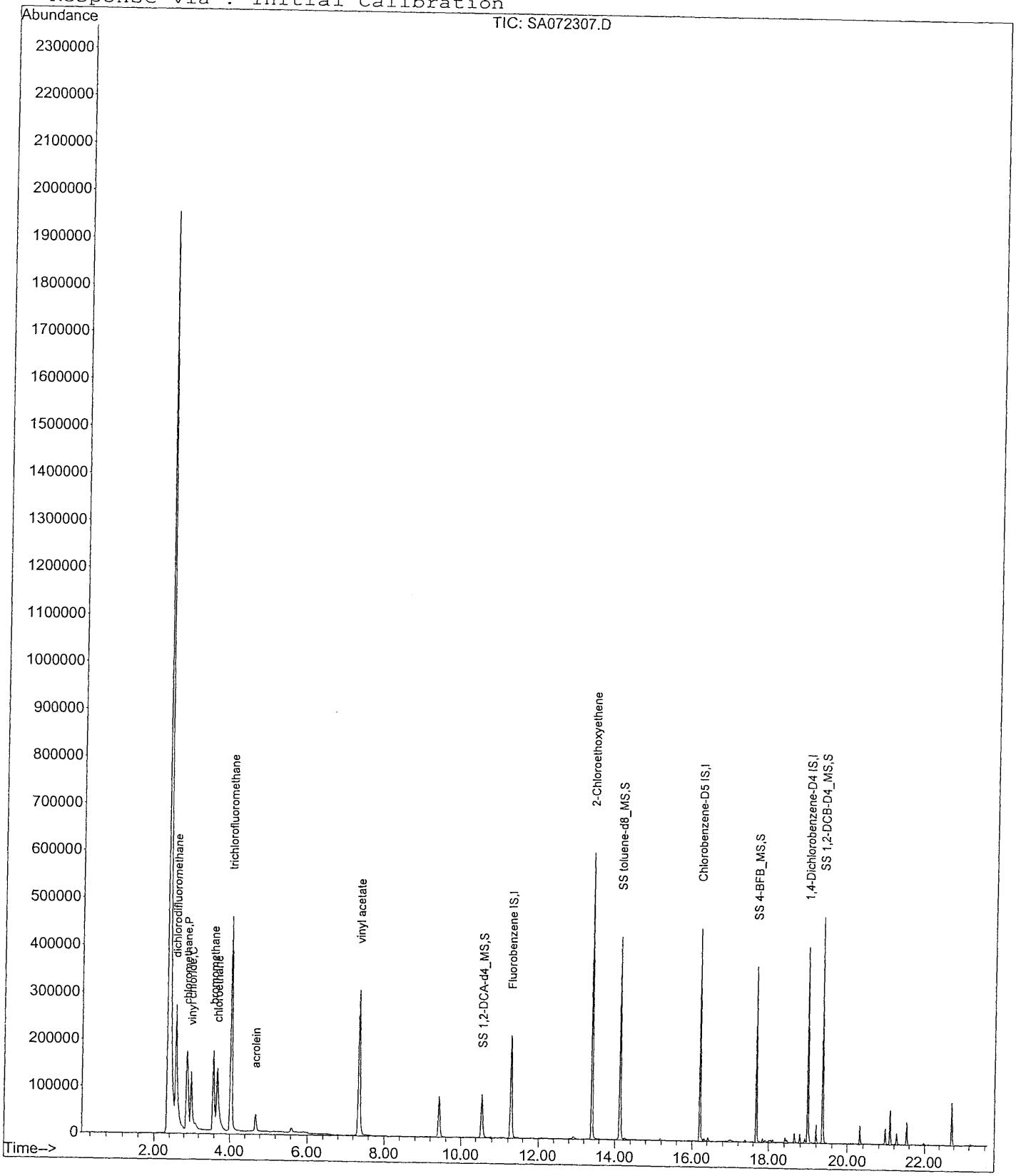
8/31/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072307.D Vial: 7
Acq On : 23 Jul 2010 11:08 am Operator: KJP
Sample : 50 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:10 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072308.D Vial: 8
Acq On : 23 Jul 2010 11:56 am Operator: KJP
Sample : 100 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:34:41 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 12:11:27 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

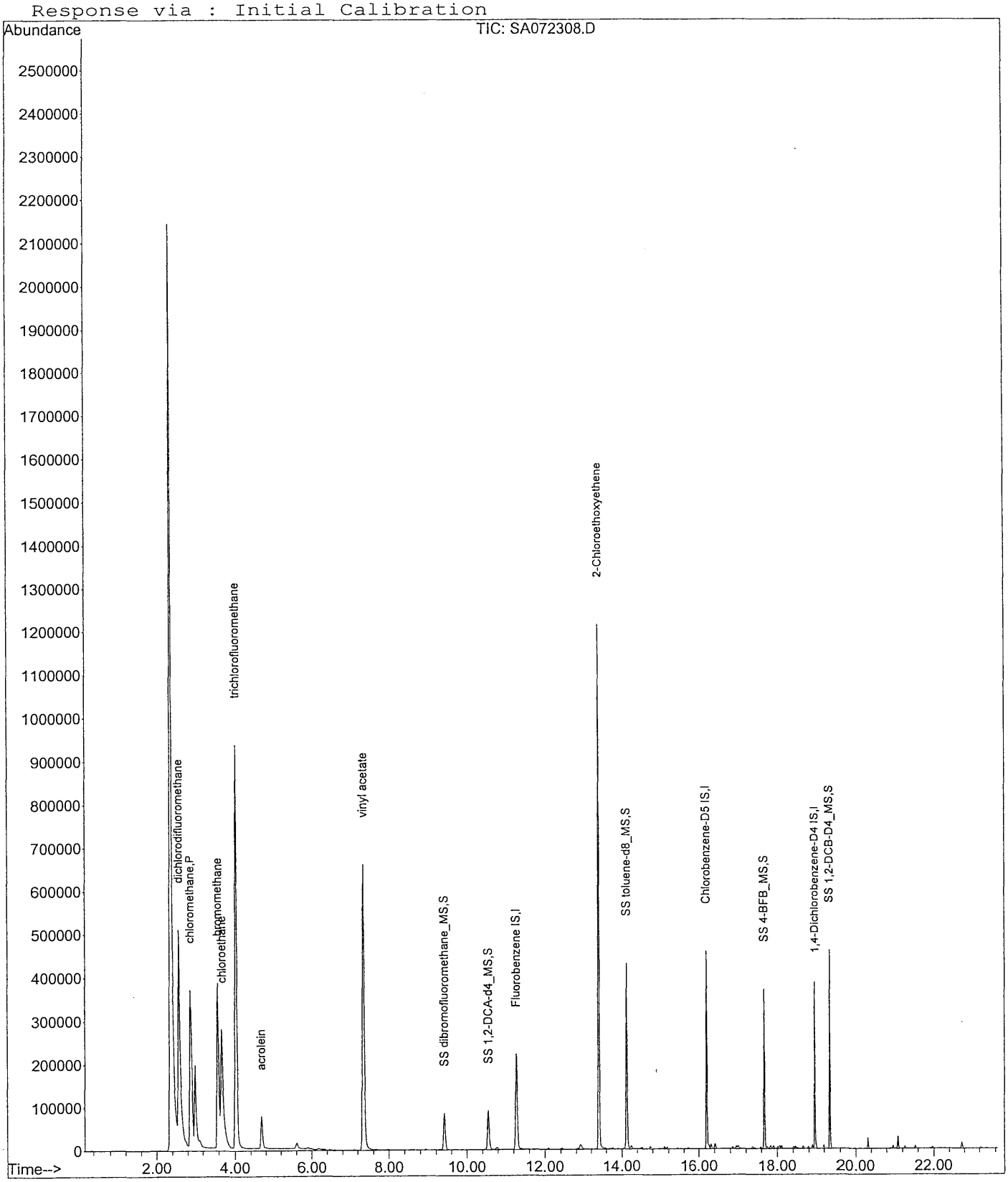
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	331781	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	245472	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	98673	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	83354	9.40	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.01%			
35) SS 1,2-DCA-d4_MS	10.55	65	102263	9.74	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.44%			
48) SS toluene-d8_MS	14.13	98	322828	10.03	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.31%			
65) SS 4-BFB_MS	17.68	95	114946	9.59	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.94%			
83) SS 1,2-DCB-D4_MS	19.35	152	94712	10.16	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.56%			
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	2.56	85	1065348	106.720	ug/L	99
3) chloromethane	2.87	50	927928	105.641	ug/L	100
5) bromomethane	3.58	94	478074	149.278	ug/L	98
6) chloroethane	3.68	64	544098	108.639	ug/L	99
7) trichlorofluoromethane	4.02	101	1273181	112.070	ug/L	99
10) acrolein	4.68	56	109390	199.770	ug/L	99
22) vinyl acetate	7.34	43	1659781	214.684	ug/L	99
44) 2-Chloroethoxyethene	13.41	63	579683	200.927	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072308.D Vial: 8
Acq On : 23 Jul 2010 11:56 am Operator: KJP
Sample : 100 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:18 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072313.D Vial: 13
Acq On : 23 Jul 2010 3:05 pm Operator: KJP
Sample : 200 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 15:38:05 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 15:37:59 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

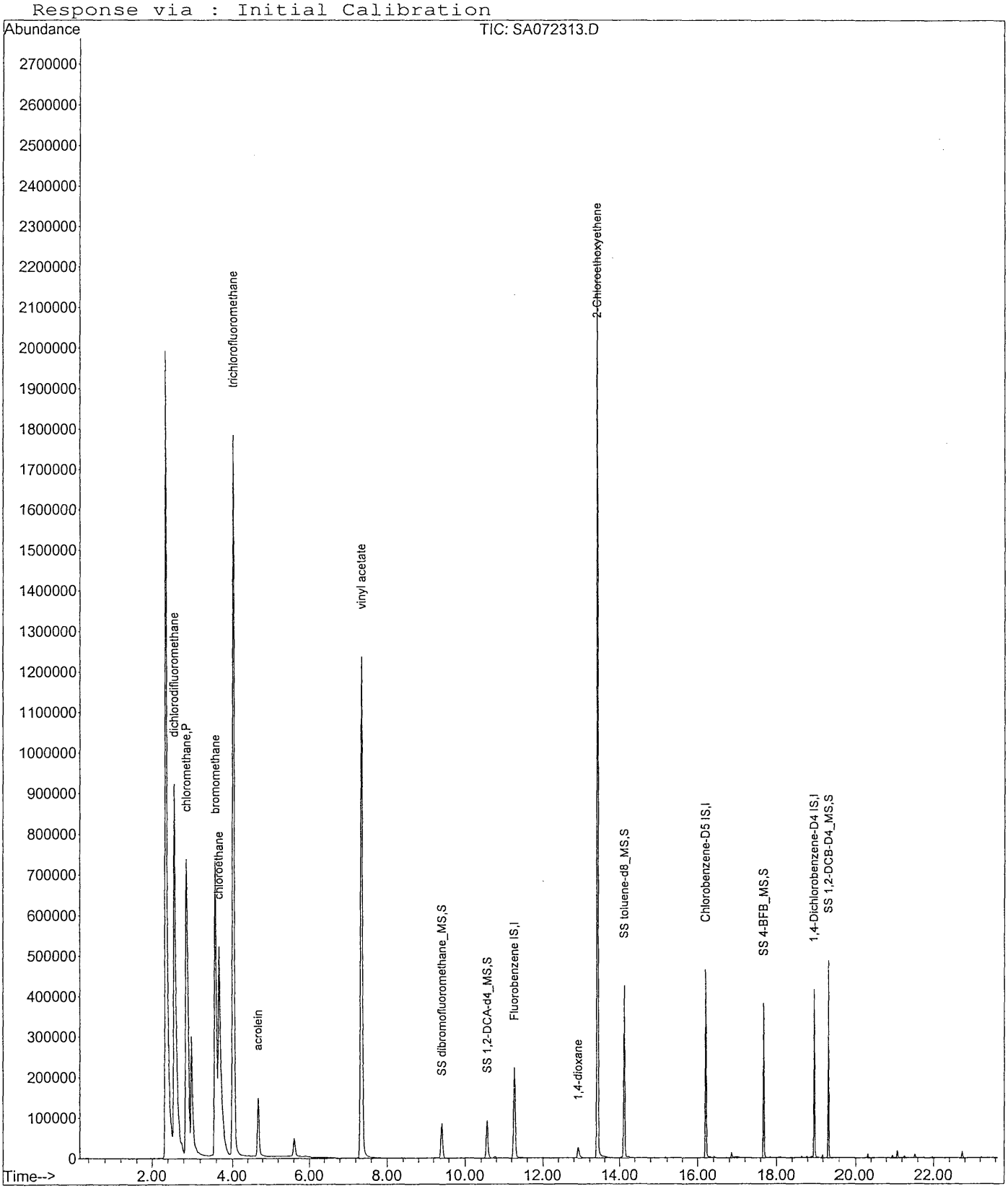
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	339708	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	250368	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	103657	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	85807	9.62	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.19%			
35) SS 1,2-DCA-d4_MS	10.55	65	104215	9.71	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.11%			
48) SS toluene-d8_MS	14.13	98	326174	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.80%			
65) SS 4-BFB_MS	17.68	95	118018	9.59	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.88%			
83) SS 1,2-DCB-D4_MS	19.35	152	97875	10.04	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.42%			
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	2.56	85	2089407	211.629	ug/L	100
3) chloromethane	2.87	50	1834622	202.851	ug/L	99
5) bromomethane	3.58	94	1021665	227.278	ug/L	99
6) chloroethane	3.67	64	1054036	206.417	ug/L	99
7) trichlorofluoromethane	4.02	101	2474290	213.419	ug/L	99
10) acrolein	4.68	56	215133	212.848	ug/L	100
22) vinyl acetate	7.34	43	3196961	261.775	ug/L	99
41) 1,4-dioxane	12.90	88	30812	497.527	ug/L #	81
44) 2-Chloroethoxyethene	13.41	63	1174723	258.297	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072313.D Vial: 13
Acq On : 23 Jul 2010 3:05 pm Operator: KJP
Sample : 200 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:18 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



8260B
Volatile Organic Analysis

Batch QC

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

VOAMS4 Analysis Run Log

IS/SS ID= V-3668 (refilled IS/SS)
Standard ID= V-3661 (A)
Gas Standard ID= V-3660 (G)
LCS/LCSD and/or MS/MSD Standard ID= V-~~3653~~ (L) 3660 Baked trap in V-3667 (G)

Restarted computer

Analyst: (BJ)

Date: 8/23/2010

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA082301	Blank					VOCMS				
2	02	BFB					VOCMS		Autotind BFB		✓
3	03	STD 20 M					VOCMS	4VID0723	FB: 310323 in control		✓
4	04	STD 20 G					VOCMS		FB 312799 ↓BM, acrolein, 2CEVE		✓
5	05	STD 2					VOCMS		ok		✓
6	06	MB					VOCMS		in control		✓
7	07	91963.1.03	✓	✓		x1	VOCMS		MTBE only 8260		
8	08	91863.01	✓	✓		x1	VOCMS		8260		
9	09	91863.02	✓	✓		x1	VOCMS				
10	10	91949.01	✓	✓		x1	VOCMS		acetone & mpx only 8260		
11	11	91949.02	✓	✓		x1	VOCMS		acetone only		
12	12	91949.03	✓	✓		x1	VOCMS				
13	13	92049.03		✓		x1	VOCMS		8260		
14	14	92049.04		✓		x1	VOCMS				
15	15	92049.05		✓		x1	VOCMS				
16	16	92049.07		✓		x1	VOCMS				
17	17	92049.10		✓		x1	VOCMS				
18	18	92049.11		✓		x1	VOCMS				
19	19	92049.12		✓		x1	VOCMS				
20	20	LCS					VOCMS		↑DCDFM, TCFM, Freon113, DBM, 14D		✓
21	21	LCSd					VOCMS	↓	↑DCDFM, TCFM, Freon 1B, F-13, DCE, 14D, benzene		✓
22	22	BFB					VOCMS		Autotind BFB		✓
23	23	STD 20 M					VOCMS	4VID0723	*Leak @ IS/SS FB drops out FB@78% ↑		
24	24	STD 20 G					VOCMS		ok for 624, rerun 8260?		✓
25	25	STD 2					VOCMS		ok		
26	26	MB					VOCMS		in control		
27	27	92049.15		✓		x1	VOCMS		8260 Rerun CCV OOC for 8260		
28	28	92049.16		✓		x1	VOCMS				
29	29	92049.17		✓		x1	VOCMS				
30	30	92049.18		✓		x1	VOCMS				
31	31	92049.19		✓		x1	VOCMS				
32	32	92049.20		✓		x1	VOCMS				
33	33	92049.21		✓		x1	VOCMS				
34	34	92049.24		✓		x1	VOCMS				
35	35	92049.25		✓		x1	VOCMS				
36	36	92033.01		✓		x1	VOCMS		624 - TCE only		
37	37	92033.02		✓		x1	VOCMS				
38	38	92049.17 - MS		✓		x1	VOCMS		8260		
39	39	92049.17 - MSD		✓		x1	VOCMS		fixed leak @ IS/SS refilled IS/SS		
40	40	LCS					VOCMS		↑DCDFM, Freon113, 14D		
41	41	LCSd					VOCMS				
42	42	92033.02 - MS		✓		x1	VOCMS	↓			

Samples removed from autosampler, order and pH verified by BJP 8/24/10

CCMV

GC/MS QA-QC Check Report

Tune File : Y:\1\DATA\AUG2310\SA082302.D
Tune Time : 23 Aug 2010 10:17 am

Daily Calibration File : Y:\1\DATA\AUG2310\SA082303.D

					310323	232662	105539

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA082303.D	STD 20 M	99	95	99	101	310323	232662	105539
		98	42*					
SA082304.D	STD 20 G	100	97	99	93	312799	237162	101079
		102	10*					
SA082305.D	STD 2	100	98	98	98	316747	243736	111120
		98	14*					
SA082306.D	MB	101	99	96	94	310693	239286	101274
		103	11*					
SA082307.D	91961.03	102	100	95	91	301595	236409	100858
		105	10*					
SA082308.D	91863.01	106	104	93	93	290048	235961	99743
		106	0*					
SA082309.D	91863.02	105	103	94	96	290702	233852	115029
		100	0*					
SA082310.D	91949.01	105	99	98	102	295852	237246	110738
		100	0*					
SA082311.D	91949.02	106	103	95	95	283636	229438	101110
		103	0*					
SA082312.D	91949.03	107	103	96	99	284944	237238	104470
		102	0*					
SA082313.D	92049.03	107	103	93	95	284233	229330	96925
		108	0*					
SA082314.D	92049.04	109	104	92	96	271872	231655	98485
		107	0*					
SA082315.D	92049.05	111	109	92	95	260839	226034	95274
		108	0*					
SA082316.D	92049.07	111	105	90	97	269239	231665	104104
	1PBt mpx only (w)	101	0*					
SA082317.D	92049.10	114	108	91	94	254220	224981	97520
		110	0*					
SA082318.D	92049.11	116	109	90	93	248443	225786	95556
		106	0*					
SA082319.D	92049.12	117	112	89	92	243882	222711	96486
		108	0*					
SA082320.D	LCS	115	108	94	106	261600	235609	117915
		99	0*					
SA082321.D	LCSD	112	106	90	106	267045	245044	121680
		97	0*					

t - fails 12hr time check * - fails criteria

Created: Mon Aug 30 14:32:47 2010 VOAMS4

BFB

Data File : Y:\1\DATA\AUG2310\SA082302.D
Acq On : 23 Aug 2010 10:17 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: RTEINT.P

Vial: 2
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane

AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1527

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	7674	PASS
75	95	30	60	46.1	21985	PASS
95	95	100	100	100.0	47736	PASS
96	95	5	9	6.8	3232	PASS
173	174	0.00	2	0.4	158	PASS
174	95	50	100	82.6	39429	PASS
175	174	5	9	7.6	3008	PASS
176	174	95	101	97.2	38328	PASS
177	176	5	9	6.8	2603	PASS

SA082302.D 4VID0723.M Mon Aug 30 14:25:29 2010

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2310\SA082303.D Vial: 3
Acq On : 23 Aug 2010 10:57 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	93	-0.01
2		dichlorodifluoromethane	-1.000	0.000	0.0	0	-2.56#
3	P	chloromethane	-1.000	0.000	0.0	0	-2.87#
4	C	vinyl chloride	-1.000	0.000	0.0	0	-2.99#
5		bromomethane	-1.000	0.000	0.0	0	-3.58#
6		chloroethane	-1.000	0.000	0.0	0	-3.67#
7		trichlorofluoromethane	-1.000	0.000	0.0	0	-4.02#
8		diethyl ether	20.000	17.671	11.6	80	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	18.833	5.8	94	0.00
10		acrolein	-1.000	0.000	0.0	0	-4.68#
11		acetone	20.000	16.484	17.6	79	0.00
12	MC	1,1-dichloroethene	20.000	19.195	4.0#	92	0.00
13		tert-Butyl Alcohol (TBA)	100.000	97.927	2.1	89	0.00
14		iodomethane	20.000	0.000	100.0#	0	-5.56#
15		methylene chloride	20.000	18.703	6.5	87	0.00
16		carbon disulfide	20.000	18.529	7.4	85	0.00
17		acrylonitrile	20.000	17.199	14.0	75	0.00
18		Methyl-t-butyl ether (MTBE)	40.000	39.711	0.7	88	0.00
19		trans-1,2-dichloroethene	20.000	20.761	-3.8	94	0.00
20		hexane	20.000	18.022	9.9	96	0.00
21		Isopropyl ether (DIPE)	20.000	19.002	5.0	84	0.00
22		vinyl acetate	-1.000	0.000	0.0	0	-7.34#
23	P	1,1-dichloroethane	20.000	19.413	2.9	90	0.00
24		Ethyl-t-butyl ether (ETBE)	20.000	19.609	2.0	89	0.00
25		2,2-dichloropropane	20.000	19.634	1.8	104	0.00
26		cis-1,2-dichloroethene	20.000	20.445	-2.2	92	0.00
27		2-butanone (MEK)	20.000	17.354	13.2	82	-0.01
28		bromochloromethane	20.000	19.955	0.2	90	0.00
29		Tetrahydrofuran (THF)	20.000	18.159	9.2	86	0.01
30	C	chloroform	20.000	19.689	1.6	91	0.00
31	S	SS dibromofluoromethane_MS	10.000	9.855	1.4	91	0.00
32		1,1,1-trichloroethane	20.000	20.835	-4.2	101	0.00
33		carbon tetrachloride	20.000	20.303	-1.5	109	0.00
34		1,1-dichloropropene	20.000	19.673	1.6	96	0.00
35	S	SS 1,2-DCA-d4_MS	10.000	9.533	4.7	88	0.00
36		tert-amyl methyl ether (TAM	20.000	20.652	-3.3	96	0.00
37	M	benzene	20.000	20.774	-3.9	91	-0.01
38		1,2-dichloroethane	20.000	18.956	5.2	85	0.00
39	M	trichloroethene	20.000	20.029	-0.1	94	0.00
40	C	1,2-dichloropropane	20.000	19.245	3.8	86	0.00
41		1,4-dioxane	40.000	0.000	100.0#	0	-12.93#
42		dibromomethane	20.000	20.164	-0.8	90	0.00
43		bromodichloromethane	20.000	18.844	5.8	92	0.00
44		2-Chloroethoxyethene	-1.000	0.000	0.0	0	-13.40#
45		4-methyl-2-pentanone (MIBK)	20.000	17.569	12.2	80	0.00
46		cis-1,3-dichloropropene	20.000	20.080	-0.4	89	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	93	0.00
48	S	SS toluene-d8_MS	10.000	9.939	0.6	93	0.00
49	MC	toluene	20.000	21.402	-7.0	92	0.00
50		trans-1,3-dichloropropene	20.000	18.538	7.3	90	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2310\SA082303.D
Acq On : 23 Aug 2010 10:57 am
Sample : STD 20 M
Misc : X1;5mL
MS Integration Params: RTEINT.P

Vial: 3
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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)
51		1,1,2-trichloroethane	20.000	19.823	0.9	90	0.00
52		2-hexanone	20.000	17.739	11.3	82	0.00
53		tetrachloroethene	20.000	22.105	-10.5	105	0.00
54		1,3-dichloropropane	20.000	19.758	1.2	87	0.00
55		dibromochloromethane	20.000	20.922	-4.6	95	0.00
56		1,2-dibromoethane	20.000	20.369	-1.8	90	0.00
57	MP	chlorobenzene	20.000	20.754	-3.8	94	0.00
58		1,1,1,2-tetrachloroethane	20.000	22.914	-14.6	99	0.00
59	C	ethylbenzene	20.000	22.515	-12.6	96	0.00
60		mp-xylene	40.000	45.595	-14.0	96	0.00
61		o-xylene	20.000	22.288	-11.4	95	0.00
62		styrene	20.000	22.404	-12.0	93	0.00
63	P	bromoform	20.000	19.700	1.5	102	0.00
64		iso-propylbenzene	20.000	22.609	-13.0	101	0.00
65	S	SS 4-BFB_MS	10.000	10.088	-0.9	93	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	95	0.00
67		bromobenzene	20.000	20.924	-4.6	95	0.00
68	P	1,1,2,2-tetrachloroethane	20.000	19.451	2.7	90	0.00
69		1,2,3-trichloropropane	20.000	19.324	3.4	90	0.00
70		t-1,4-dichloro-2-butene	20.000	0.000	100.0#	0	0.03
71		n-propylbenzene	20.000	21.497	-7.5	99	0.00
72		2-chlorotoluene	20.000	20.617	-3.1	96	0.00
73		4-chlorotoluene	20.000	20.948	-4.7	94	0.00
74		1,3,5-trimethylbenzene	20.000	21.595	-8.0	97	0.00
75		tert-butylbenzene	20.000	23.954	-19.8	109	0.00
76		1,2,4-trimethylbenzene	20.000	21.220	-6.1	94	0.00
77		sec-butylbenzene	20.000	22.153	-10.8	101	0.00
78		1,3-dichlorobenzeneV	20.000	21.036	-5.2	97	0.00
79		p-isopropyltoluene	20.000	22.188	-10.9	100	0.00
80		1,4-dichlorobenzeneV	20.000	20.660	-3.3	96	0.00
81		1,2-dichlorobenzeneV	20.000	20.614	-3.1	95	0.00
82		n-butylbenzene	20.000	21.225	-6.1	97	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	9.818	1.8	93	0.00
84		1,2-dibromo-3-chloropropane	20.000	19.040	4.8	93	0.00
85		1,3,5-trichlorobenzV	20.000	21.740	-8.7	103	0.00
86		1,2,4-trichlorobenzV	20.000	21.008	-5.0	97	0.00
87		hexachlorobutadieneV	20.000	20.478	-2.4	104	0.00
88		naphthaleneV	20.000	19.883	0.6	89	0.00
89		1,2,3-trichlorobenzV	20.000	19.710	1.4	90	0.00
90	S	SS 2,5-DBT_MS	20.000	16.628	16.9	77	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2310\SA082304.D Vial: 4
Acq On : 23 Aug 2010 11:33 am Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	93	-0.01
2		dichlorodifluoromethane	20.000	18.807	6.0	91	0.01
3	P	chloromethane	20.000	17.824	10.9	83	0.00
4	C	vinyl chloride	20.000	17.550	12.2	99	0.00
5		bromomethane	20.000	8.872	55.6#	42	0.00
6		chloroethane	20.000	18.150	9.3	85	0.01
7		trichlorofluoromethane	20.000	20.342	-1.7	97	0.00
8		diethyl ether	-1.000	0.000	0.0	0	-4.47#
9		1,1,2-Trichlorotrifluoroeth	-1.000	0.000	0.0	0	-4.69#
10		acrolein	20.000	8.191	59.0#	40	0.01
11		acetone	-1.000	0.000	0.0	0	-4.79#
12	MC	1,1-dichloroethene	-1.000	0.000	0.0	0	-5.00#
13		tert-Butyl Alcohol (TBA)	-1.000	0.000	0.0	0	-5.15#
14		iodomethane	-1.000	0.000	0.0	0	-5.56#
15		methylene chloride	-1.000	0.000	0.0	0	-5.89#
16		carbon disulfide	-1.000	0.000	0.0	0	-5.91#
17		acrylonitrile	-1.000	0.000	0.0	0	-6.14#
18		Methyl-t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-6.18#
19		trans-1,2-dichloroethene	-1.000	0.000	0.0	0	-6.45#
20		hexane	-1.000	0.000	0.0	0	-6.58#
21		Isopropyl ether (DIPE)	-1.000	0.000	0.0	0	-7.10#
22		vinyl acetate	20.000	18.289	8.6	94	0.00
23	P	1,1-dichloroethane	-1.000	0.000	0.0	0	-7.32#
24		Ethyl-t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-7.96#
25		2,2-dichloropropane	-1.000	0.000	0.0	0	-8.50#
26		cis-1,2-dichloroethene	-1.000	0.000	0.0	0	-8.60#
27		2-butanone (MEK)	-1.000	0.000	0.0	0	-8.23#
28		bromochloromethane	-1.000	0.000	0.0	0	-9.29#
29		Tetrahydrofuran (THF)	-1.000	0.000	0.0	0	-9.38#
30	C	chloroform	-1.000	0.000	0.0	0	-8.94#
31	S	SS dibromofluoromethane_MS	10.000	9.976	0.2	93	0.00
32		1,1,1-trichloroethane	-1.000	0.000	0.0	0	-9.81#
33		carbon tetrachloride	-1.000	0.000	0.0	0	-10.38#
34		1,1-dichloropropene	-1.000	0.000	0.0	0	-10.17#
35	S	SS 1,2-DCA-d4_MS	10.000	9.675	3.2	90	0.00
36		tert-amyl methyl ether (TAM	-1.000	0.000	0.0	0	-10.46#
37	M	benzene	-1.000	0.000	0.0	0	-10.78#
38		1,2-dichloroethane	-1.000	0.000	0.0	0	-10.77#
39	M	trichloroethene	-1.000	0.000	0.0	0	-12.09#
40	C	1,2-dichloropropane	-1.000	0.000	0.0	0	-12.44#
41		1,4-dioxane	40.000	36.645	8.4	74	-0.02
42		dibromomethane	-1.000	0.000	0.0	0	-12.94#
43		bromodichloromethane	-1.000	-0.131	0.0	0	-12.85#
44		2-Chloroethoxyethene	20.000	15.709	21.5#	70	0.00
45		4-methyl-2-pentanone (MIBK)	-1.000	0.000	0.0	0	-13.45#
46		cis-1,3-dichloropropene	-1.000	0.000	0.0	0	-13.76#
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	95	0.00
48	S	SS toluene-d8_MS	10.000	9.887	1.1	94	0.00
49	MC	toluene	-1.000	0.000	0.0	0	-14.24#
50		trans-1,3-dichloropropene	-1.000	1.509	0.0	0	-14.52#
51		1,1,2-trichloroethane	-1.000	0.000	0.0	0	-14.74#
52		2-hexanone	-1.000	0.000	0.0	0	-14.76#
53		tetrachloroethene	-1.000	0.000	0.0	0	-15.16#
54		1,3-dichloropropane	-1.000	0.000	0.0	0	-15.10#
55		dibromochloromethane	-1.000	0.000	0.0	0	-15.45#
56		1,2-dibromoethane	-1.000	0.000	0.0	0	-15.72#

57	MP	chlorobenzene	-1.000	0.000	0.0	0	-16.26#
58		1,1,1,2-tetrachloroethane	-1.000	0.000	0.0	0	-16.31#
59	C	ethylbenzene	-1.000	0.000	0.0	0	-16.32#
60		mp-xylene	-1.000	0.000	0.0	0	-16.41#
61		o-xylene	-1.000	0.000	0.0	0	-16.95#
62		styrene	-1.000	0.000	0.0	0	-16.99#
63	P	bromoform	-1.000	0.000	0.0	0	-17.41#
64		iso-propylbenzene	-1.000	0.000	0.0	0	-17.37#
65	S	SS 4-BFB_MS	10.000	9.312	6.9	87	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	91	0.00
67		bromobenzene	-1.000	0.000	0.0	0	-17.90#
68	P	1,1,2,2-tetrachloroethane	-1.000	0.000	0.0	0	-17.57#
69		1,2,3-trichloropropane	-1.000	0.000	0.0	0	-17.74#
70		t-1,4-dichloro-2-butene	-1.000	0.000	0.0	0	-17.81#
71		n-propylbenzene	-1.000	0.000	0.0	0	-17.84#
72		2-chlorotoluene	-1.000	0.000	0.0	0	-18.05#
73		4-chlorotoluene	-1.000	0.000	0.0	0	-18.10#
74		1,3,5-trimethylbenzene	-1.000	0.000	0.0	0	-18.01#
75		tert-butylbenzene	-1.000	0.000	0.0	0	-18.42#
76		1,2,4-trimethylbenzene	-1.000	0.000	0.0	0	-18.46#
77		sec-butylbenzene	-1.000	0.000	0.0	0	-18.65#
78		1,3-dichlorobenzeneV	-1.000	0.000	0.0	0	-18.91#
79		p-isopropyltoluene	-1.000	0.000	0.0	0	-18.78#
80		1,4-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.01#
81		1,2-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.38#
82		n-butylbenzene	-1.000	0.000	0.0	0	-19.19#
83	S	SS 1,2-DCB-D4_MS	10.000	10.230	-2.3	93	0.00
84		1,2-dibromo-3-chloropropane	-1.000	3.950	0.0	0	-20.10#
85		1,3,5-trichlorobenzV	-1.000	0.000	0.0	0	-20.31#
86		1,2,4-trichlorobenzV	-1.000	0.000	0.0	0	-20.96#
87		hexachlorobutadieneV	-1.000	0.000	0.0	0	-21.09#
88		naphthaleneV	-1.000	0.000	0.0	0	-21.26#
89		1,2,3-trichlorobenzV	-1.000	0.000	0.0	0	-21.52#
90	S	SS 2,5-DBT_MS	-1.000	4.124	0.0	0	-22.73#

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

SA072312.D 4VID0723.M Mon Aug 30 14:26:50 2010

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082303.D Vial: 3
Acq On : 23 Aug 2010 10:57 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 11:21:22 2010 Quant Results File: 4VID0723.RES

Quant Method : C:\MSDCHEM\1...\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	310323	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	232662	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	105539	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	80301	9.85	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.55%			
35) SS 1,2-DCA-d4_MS	10.55	65	92870	9.53	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.33%			
48) SS toluene-d8_MS	14.12	98	302218	9.94	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.39%			
65) SS 4-BFB_MS	17.68	95	115925	10.09	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.88%			
83) SS 1,2-DCB-D4_MS	19.35	152	97079	9.82	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.18%			
90) SS 2,5-DBT_MS	22.73	250	25155	16.63	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 41.57%#			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	80148	17.671	ug/L	93
9) 1,1,2-Trichlorotrifluoroet	4.69	101	64860	18.833	ug/L	98
11) acetone	4.79	43	32527	16.484	ug/L	98
12) 1,1-dichloroethene	5.00	96	105337	19.195	ug/L	94
13) tert-Butyl Alcohol (TBA)	5.15	59	45802	97.927	ug/L #	87
15) methylene chloride	5.89	84	129768	18.703	ug/L	92
16) carbon disulfide	5.90	76	333661	18.529	ug/L	100
17) acrylonitrile	6.14	53	45302	17.199	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.18	73	591880	39.711	ug/L	98
19) trans-1,2-dichloroethene	6.45	96	154482	20.761	ug/L	96
20) hexane	6.58	57	32945	18.022	ug/L	94
21) Isopropyl ether (DIPE)	7.10	45	463992	19.002	ug/L	98
23) 1,1-dichloroethane	7.32	63	287873	19.413	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	396822	19.609	ug/L	97
25) 2,2-dichloropropane	8.50	77	189824	19.634	ug/L	98
26) cis-1,2-dichloroethene	8.60	96	175791	20.445	ug/L	96
27) 2-butanone (MEK)	8.22	43	56820	17.354	ug/L	97
28) bromochloromethane	9.30	128	83851	19.955	ug/L	92
29) Tetrahydrofuran (THF)	9.39	42	33875	18.159	ug/L	96
30) chloroform	8.94	83	285601	19.689	ug/L	98
32) 1,1,1-trichloroethane	9.81	97	226540	20.835	ug/L	98
33) carbon tetrachloride	10.38	117	187365	20.303	ug/L	99
34) 1,1-dichloropropene	10.17	75	192029	19.673	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	320671	20.652	ug/L	92
37) benzene	10.77	78	617517	20.774	ug/L	98
38) 1,2-dichloroethane	10.77	62	221801	18.956	ug/L	99
39) trichloroethene	12.09	95	157821	20.029	ug/L	98
40) 1,2-dichloropropane	12.44	63	167489	19.245	ug/L	97
42) dibromomethane	12.94	93	107710	20.164	ug/L	99
43) bromodichloromethane	12.85	83	210210	18.844	ug/L	98
45) 4-methyl-2-pentanone (MIBK	13.45	58	45942	17.569	ug/L	96
46) cis-1,3-dichloropropene	13.76	75	235407	20.080	ug/L	99
49) toluene	14.24	91	633313	21.402	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082303.D Vial: 3
Acq On : 23 Aug 2010 10:57 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 11:21:22 2010 Quant Results File: 4VID0723.RES

Quant Method : C:\MSDCHEM\1...\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

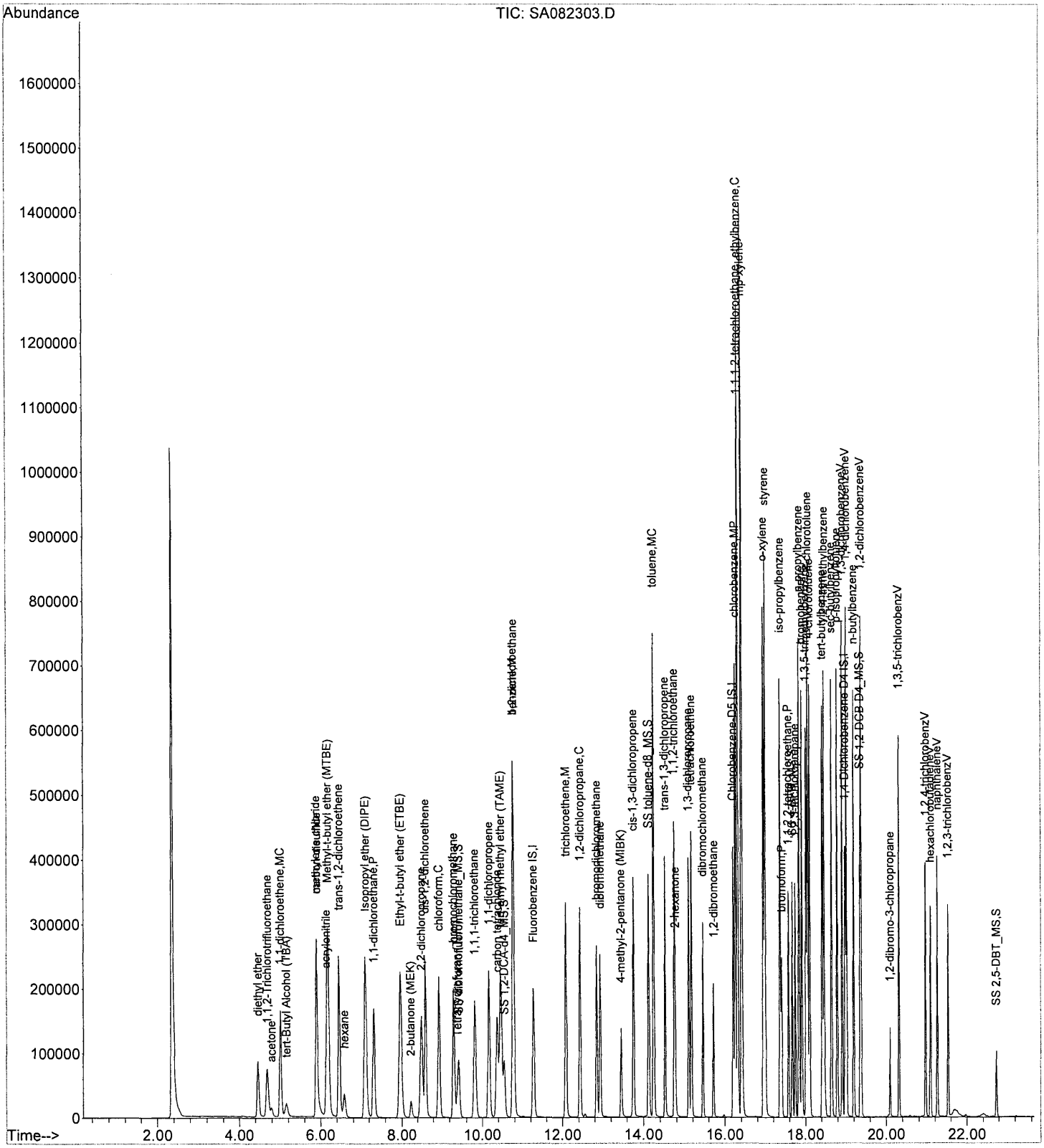
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	trans-1,3-dichloropropene	14.52	75	212092	18.538 ug/L	98
51)	1,1,2-trichloroethane	14.74	83	125291	19.823 ug/L	99
52)	2-hexanone	14.76	43	81562	17.739 ug/L	95
53)	tetrachloroethene	15.16	166	146796	22.105 ug/L	97
54)	1,3-dichloropropane	15.10	76	237443	19.758 ug/L	99
55)	dibromochloromethane	15.45	129	153733	20.922 ug/L	99
56)	1,2-dibromoethane	15.72	107	144895	20.369 ug/L	100
57)	chlorobenzene	16.26	112	423162	20.754 ug/L	97
58)	1,1,1,2-tetrachloroethane	16.31	131	150073	22.914 ug/L	98
59)	ethylbenzene	16.32	91	646048	22.515 ug/L	99
60)	mp-xylene	16.41	106	478686	45.595 ug/L	98
61)	o-xylene	16.94	106	241432	22.288 ug/L	98
62)	styrene	16.99	104	445538	22.404 ug/L	96
63)	bromoform	17.41	173	99418	19.700 ug/L #	99
64)	iso-propylbenzene	17.37	105	459471	22.609 ug/L	100
67)	bromobenzene	17.90	156	179604	20.924 ug/L	96
68)	1,1,2,2-tetrachloroethane	17.57	83	183860	19.451 ug/L	99
69)	1,2,3-trichloropropane	17.74	110	50268	19.324 ug/L	97
71)	n-propylbenzene	17.84	91	588816	21.497 ug/L	99
72)	2-chlorotoluene	18.05	91	459590	20.617 ug/L	99
73)	4-chlorotoluene	18.10	91	440564	20.948 ug/L	98
74)	1,3,5-trimethylbenzene	18.01	105	393899	21.595 ug/L	98
75)	tert-butylbenzene	18.42	119	361290	23.954 ug/L	97
76)	1,2,4-trimethylbenzene	18.46	105	417925	21.220 ug/L	99
77)	sec-butylbenzene	18.65	105	443520	22.153 ug/L	99
78)	1,3-dichlorobenzeneV	18.91	146	269423	21.036 ug/L	98
79)	p-isopropyltoluene	18.78	119	373899	22.188 ug/L	100
80)	1,4-dichlorobenzeneV	19.01	146	277117	20.660 ug/L	97
81)	1,2-dichlorobenzeneV	19.38	146	270886	20.614 ug/L	98
82)	n-butylbenzene	19.19	91	335012	21.225 ug/L	97
84)	1,2-dibromo-3-chloropropan	20.10	75	25111	19.040 ug/L	96
85)	1,3,5-trichlorobenzV	20.31	180	164710	21.740 ug/L	96
86)	1,2,4-trichlorobenzV	20.96	180	135503	21.008 ug/L	98
87)	hexachlorobutadieneV	21.09	225	74934	20.478 ug/L	99
88)	naphthaleneV	21.26	128	287187	19.883 ug/L	99
89)	1,2,3-trichlorobenzV	21.52	180	110058	19.710 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082303.D Vial: 3
Acq On : 23 Aug 2010 10:57 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 12:01 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082304.D Vial: 4
Acq On : 23 Aug 2010 11:33 am Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 11:59:06 2010 Quant Results File: 4VID0723.RES

Quant Method : C:\MSDCHEM\1...\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

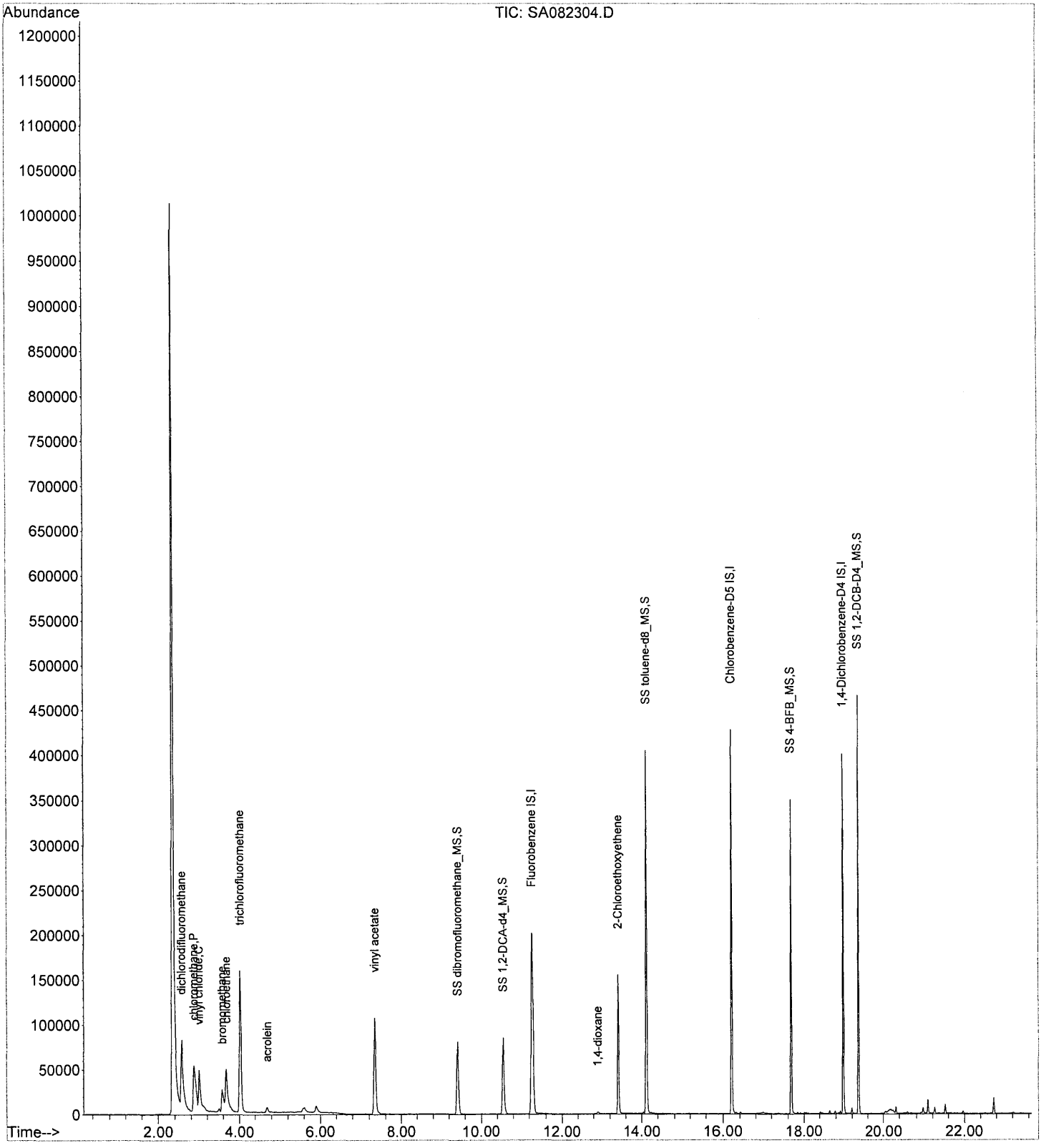
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	312799	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	237162	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	101079	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	81938	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.76%			
35) SS 1,2-DCA-d4_MS	10.55	65	95006	9.67	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.75%			
48) SS toluene-d8_MS	14.12	98	306477	9.89	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.87%			
65) SS 4-BFB_MS	17.68	95	109079	9.31	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 93.12%			
83) SS 1,2-DCB-D4_MS	19.35	152	96873	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	0d	0.00	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.57	85	172212	18.807	ug/L	99
3) chloromethane	2.87	50	148697	17.824	ug/L	99
4) vinyl chloride	2.99	62	97686	17.550	ug/L	100
5) bromomethane	3.58	94	40897	8.872	ug/L	100
6) chloroethane	3.68	64	85682	18.150	ug/L	99
7) trichlorofluoromethane	4.02	101	218973	20.342	ug/L	99
10) acrolein	4.69	56	8150	8.191	ug/L	96
22) vinyl acetate	7.34	43	262859	18.289	ug/L	97
41) 1,4-dioxane	12.90	88	2372	36.645	ug/L #	83
44) 2-Chloroethoxyethene	13.41	63	72889	15.709	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082304.D Vial: 4
Acq On : 23 Aug 2010 11:33 am Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 12:00 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082306.D Vial: 6
Acq On : 23 Aug 2010 12:45 pm Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 15:48:29 2010 Quant Results File: 4VID0723.RES

Quant Method : C:\MSDCHEM\1...\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

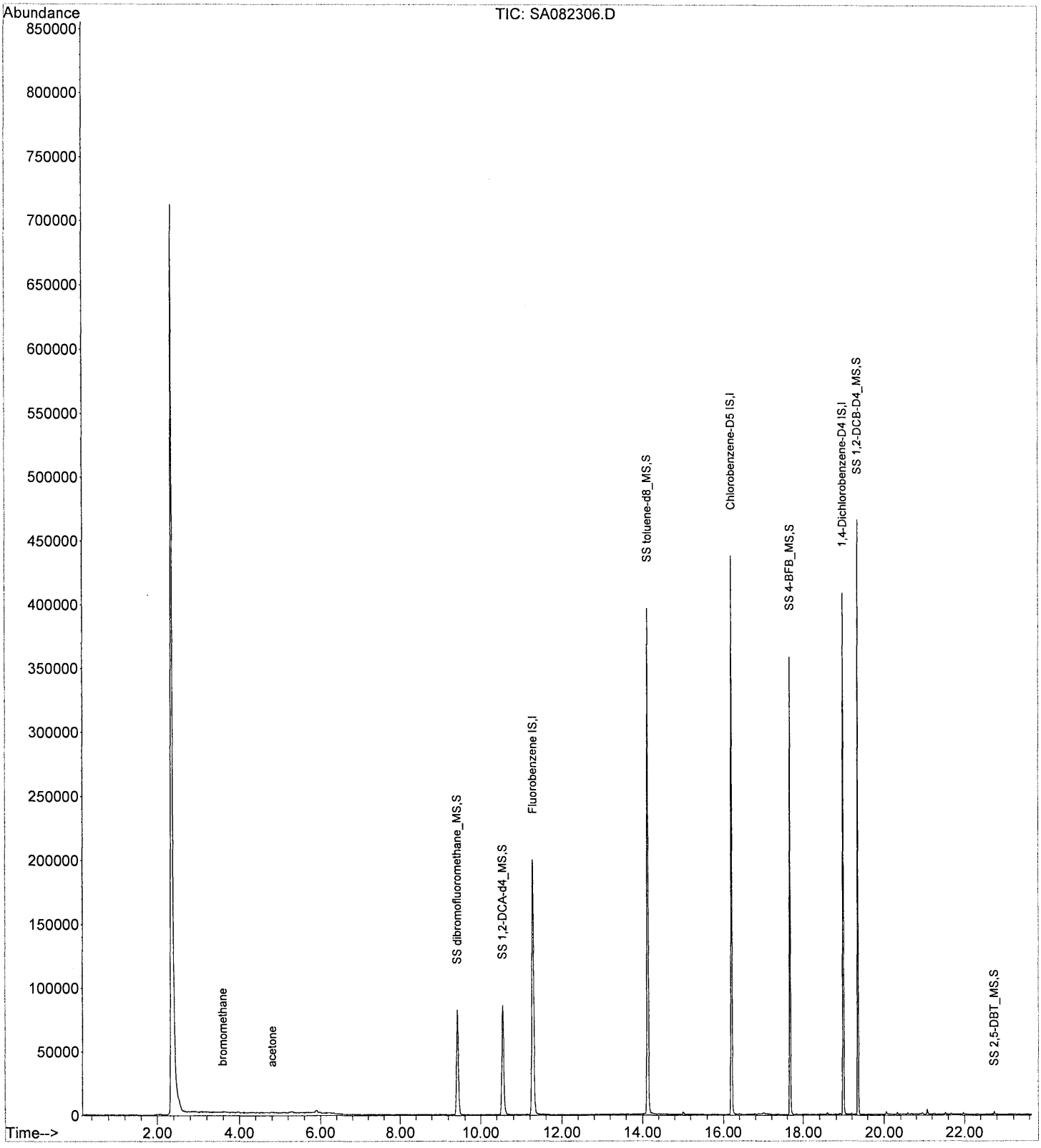
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	310693	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	239286	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	101274	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	82404	10.10	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.01%			
35) SS 1,2-DCA-d4_MS	10.55	65	96975	9.94	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.42%			
48) SS toluene-d8_MS	14.12	98	300471	9.61	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.08%			
65) SS 4-BFB_MS	17.68	95	110568	9.36	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 93.55%			
83) SS 1,2-DCB-D4_MS	19.35	152	97277	10.25	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.52%			
90) SS 2,5-DBT_MS	22.73	250	684	4.48	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 11.20%#			
Target Compounds						Qvalue
5) bromomethane	3.60	94	1291	0.282	ug/L #	58
11) acetone	4.81	43	575	0.291	ug/L #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082306.D Vial: 6
Acq On : 23 Aug 2010 12:45 pm Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 23 15:48 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082320.D Vial: 20
Acq On : 23 Aug 2010 9:09 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 07:53:12 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	261600	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	235609	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	117915	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	79149	11.52	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 115.22%			
35) SS 1,2-DCA-d4_MS	10.55	65	88731	10.80	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.04%			
48) SS toluene-d8_MS	14.12	98	288379	9.36	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.65%			
65) SS 4-BFB_MS	17.68	95	122911	10.56	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 105.62%			
83) SS 1,2-DCB-D4_MS	19.35	152	108995	9.87	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.66%			
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	2.56	85	240806	31.444	ug/L	100
3) chloromethane	2.88	50	166371	23.845	ug/L	98
4) vinyl chloride	2.99	62	95201	20.450	ug/L	99
5) bromomethane	3.56	94	75387	19.555	ug/L	100
6) chloroethane	3.67	64	93199	23.607	ug/L	99
7) trichlorofluoromethane	4.02	101	249282	27.689	ug/L	98
8) diethyl ether	4.47	59	96416	25.217	ug/L	93
9) 1,1,2-Trichlorotrifluoroet	4.69	101	112478	38.742	ug/L	99
11) acetone	4.80	43	36569	21.984	ug/L	96
12) 1,1-dichloroethene	5.00	96	111360	24.072	ug/L	94
13) tert-Butyl Alcohol (TBA)	5.15	59	46903	118.958	ug/L	89
15) methylene chloride	5.89	84	135156	23.107	ug/L	92
16) carbon disulfide	5.90	76	339306	22.352	ug/L	100
17) acrylonitrile	6.14	53	47090	21.208	ug/L	94
18) Methyl-t-butyl ether (MTBE	6.18	73	299333	23.824	ug/L	98
19) trans-1,2-dichloroethene	6.45	96	161611	25.764	ug/L	95
20) hexane	6.58	57	764	0.496	ug/L #	80
21) Isopropyl ether (DIPE)	7.10	45	451333	21.926	ug/L	97
22) vinyl acetate	7.34	43	274403	22.829	ug/L	96
23) 1,1-dichloroethane	7.32	63	303145	24.250	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	385777	22.614	ug/L	97
25) 2,2-dichloropropane	8.50	77	166926	20.415	ug/L	99
26) cis-1,2-dichloroethene	8.60	96	180269	24.870	ug/L	96
27) 2-butanone (MEK)	8.23	43	61248	22.191	ug/L	95
28) bromochloromethane	9.30	128	88741	25.052	ug/L	91
29) Tetrahydrofuran (THF)	9.38	42	36478	23.197	ug/L	98
30) chloroform	8.94	83	315779	25.824	ug/L	98
32) 1,1,1-trichloroethane	9.81	97	230905	25.192	ug/L	99
33) carbon tetrachloride	10.37	117	194216	24.409	ug/L	99
34) 1,1-dichloropropene	10.17	75	192533	23.399	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	332327	25.389	ug/L #	88
37) benzene	10.78	78	649709	25.928	ug/L	99
38) 1,2-dichloroethane	10.77	62	237050	24.032	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082320.D Vial: 20
Acq On : 23 Aug 2010 9:09 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 07:53:12 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

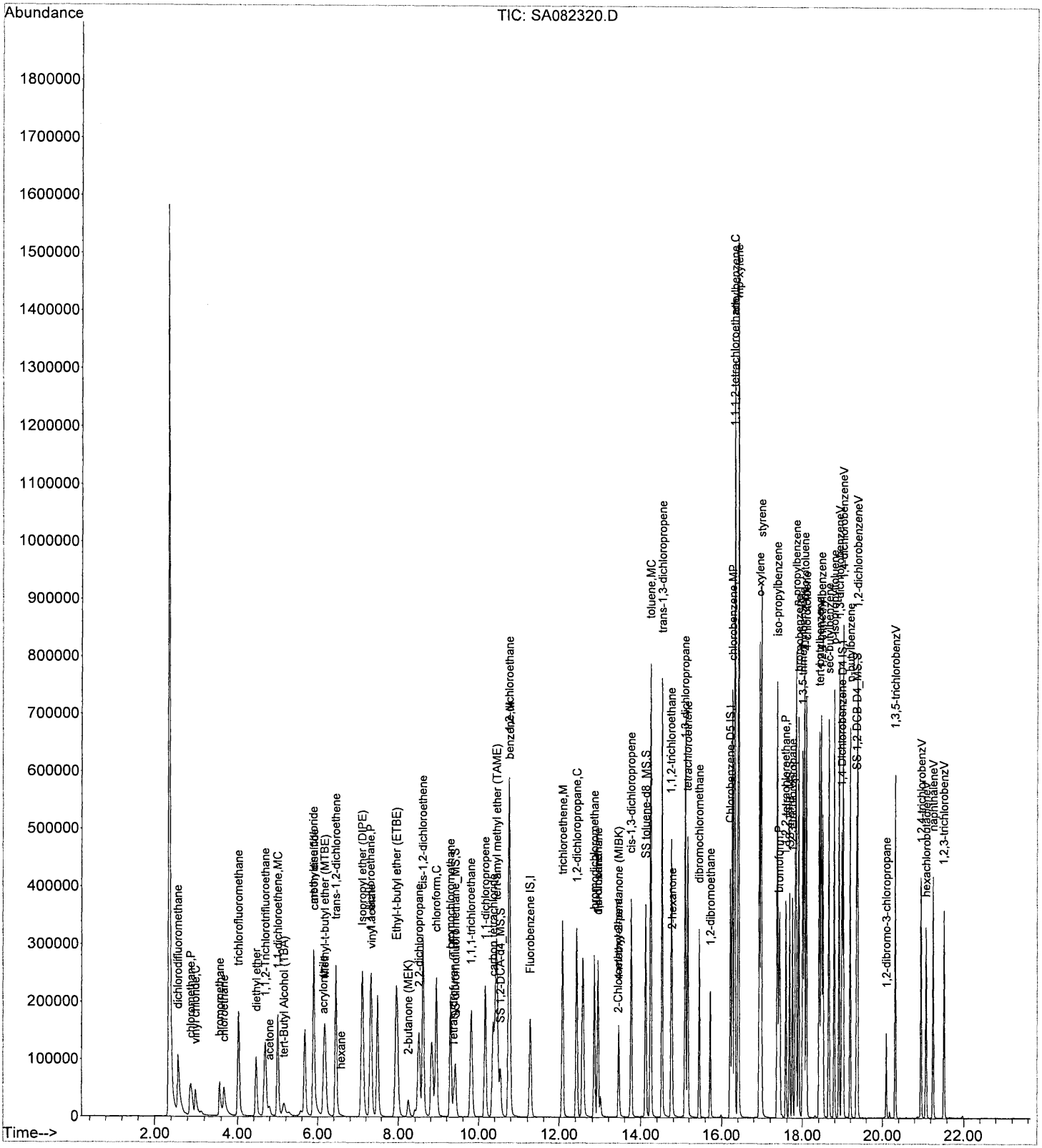
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.09	95	164011	24.691	ug/L		99
40)	1,2-dichloropropane	12.44	63	169836	23.150	ug/L		98
41)	1,4-dioxane	12.94	88	1904	35.172	ug/L	#	23
42)	dibromomethane	12.94	93	117527	26.099	ug/L		100
43)	bromodichloromethane	12.85	83	212494	22.623	ug/L		99
44)	2-Chloroethoxyethene	13.44	63	94	3.009	ug/L	#	1
45)	4-methyl-2-pentanone (MIBK	13.45	58	51755	23.478	ug/L		92
46)	cis-1,3-dichloropropene	13.76	75	233697	23.647	ug/L		99
49)	toluene	14.24	91	656864	21.920	ug/L		99
50)	trans-1,3-dichloropropene	14.52	75	216757	18.695	ug/L		98
51)	1,1,2-trichloroethane	14.74	83	130511	20.391	ug/L		98
52)	2-hexanone	14.76	43	96724	20.773	ug/L		99
53)	tetrachloroethene	15.16	166	157629	23.440	ug/L		98
54)	1,3-dichloropropane	15.10	76	254035	20.875	ug/L		99
55)	dibromochloromethane	15.45	129	163218	21.935	ug/L		99
56)	1,2-dibromoethane	15.72	107	150828	20.938	ug/L		99
57)	chlorobenzene	16.26	112	435946	21.113	ug/L		98
58)	1,1,1,2-tetrachloroethane	16.31	131	151738	22.878	ug/L		99
59)	ethylbenzene	16.32	91	668302	22.999	ug/L		99
60)	mp-xylene	16.41	106	491066	46.189	ug/L		98
61)	o-xylene	16.94	106	242992	22.151	ug/L		100
62)	styrene	16.99	104	456051	22.646	ug/L		96
63)	bromoform	17.41	173	102571	20.044	ug/L	#	98
64)	iso-propylbenzene	17.37	105	495764	24.089	ug/L		100
67)	bromobenzene	17.90	156	182617	19.042	ug/L		97
68)	1,1,2,2-tetrachloroethane	17.57	83	192717	18.249	ug/L		100
69)	1,2,3-trichloropropane	17.74	110	53754	18.496	ug/L		97
71)	n-propylbenzene	17.84	91	626217	20.463	ug/L		99
72)	2-chlorotoluene	18.05	91	468459	18.809	ug/L		99
73)	4-chlorotoluene	18.10	91	455807	19.398	ug/L		98
74)	1,3,5-trimethylbenzene	18.01	105	400764	19.666	ug/L		99
75)	tert-butylbenzene	18.42	119	335257m	19.895	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	442834	20.125	ug/L		100
77)	sec-butylbenzene	18.65	105	441807	19.751	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	276511	19.323	ug/L		98
79)	p-isopropyltoluene	18.78	119	383152	20.350	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	287219	19.165	ug/L		98
81)	1,2-dichlorobenzeneV	19.38	146	276663	18.844	ug/L		98
82)	n-butylbenzene	19.19	91	340595	19.314	ug/L		99
84)	1,2-dibromo-3-chloropropan	20.10	75	27205	18.582	ug/L		98
85)	1,3,5-trichlorobenzV	20.31	180	161295	19.055	ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	140172	19.451	ug/L		98
87)	hexachlorobutadieneV	21.09	225	71158	17.405	ug/L		99
88)	naphthaleneV	21.26	128	295272	18.297	ug/L		100
89)	1,2,3-trichlorobenzV	21.52	180	116579	18.687	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082320.D Vial: 20
Acq On : 23 Aug 2010 9:09 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 14:12 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



TP3

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082321.D Vial: 21
Acq On : 23 Aug 2010 9:45 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:03:15 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	267045	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	245044	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	121680	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	78834	11.24	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 112.42%			
35) SS 1,2-DCA-d4_MS	10.55	65	89134	10.63	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.32%			
48) SS toluene-d8_MS	14.13	98	289304	9.03	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 90.33%			
65) SS 4-BFB_MS	17.68	95	128817	10.64	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 106.43%			
83) SS 1,2-DCB-D4_MS	19.35	152	110380	9.68	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.83%			
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	2.56	85	249121	31.867	ug/L	99
3) chloromethane	2.87	50	172160	24.172	ug/L	99
4) vinyl chloride	2.99	62	97252	20.465	ug/L	97
5) bromomethane	3.56	94	86591	22.003	ug/L	99
6) chloroethane	3.67	64	95128	23.604	ug/L	99
7) trichlorofluoromethane	4.02	101	257952	28.068	ug/L	100
8) diethyl ether	4.47	59	94501	24.212	ug/L	94
9) 1,1,2-Trichlorotrifluoroet	4.69	101	115470	38.962	ug/L	98
11) acetone	4.80	43	35777	21.070	ug/L	93
12) 1,1-dichloroethene	5.00	96	119163	25.233	ug/L	93
13) tert-Butyl Alcohol (TBA)	5.15	59	47085	116.985	ug/L #	87
15) methylene chloride	5.89	84	135603	22.711	ug/L	91
16) carbon disulfide	5.90	76	346755	22.377	ug/L	100
17) acrylonitrile	6.14	53	46866	20.677	ug/L	98
18) Methyl-t-butyl ether (MTBE	6.18	73	310401	24.201	ug/L	98
19) trans-1,2-dichloroethene	6.45	96	173457	27.088	ug/L	93
20) hexane	6.58	57	877	0.557	ug/L #	74
21) Isopropyl ether (DIPE)	7.10	45	470847	22.407	ug/L	98
22) vinyl acetate	7.34	43	281919	22.976	ug/L	96
23) 1,1-dichloroethane	7.32	63	314387	24.636	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	401974	23.083	ug/L	97
25) 2,2-dichloropropane	8.50	77	177191	21.168	ug/L	99
26) cis-1,2-dichloroethene	8.60	96	186390	25.190	ug/L	94
27) 2-butanone (MEK)	8.23	43	64314	22.826	ug/L	99
28) bromochloromethane	9.30	128	89277	24.690	ug/L	91
29) Tetrahydrofuran (THF)	9.38	42	36592	22.795	ug/L	94
30) chloroform	8.94	83	321967	25.793	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	243766	26.053	ug/L	98
33) carbon tetrachloride	10.37	117	205770	25.242	ug/L	99
34) 1,1-dichloropropene	10.17	75	208656	24.841	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	340072	25.451	ug/L #	86
37) benzene	10.77	78	674279	26.360	ug/L	97
38) 1,2-dichloroethane	10.77	62	240646	23.899	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082321.D Vial: 21
Acq On : 23 Aug 2010 9:45 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:03:15 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

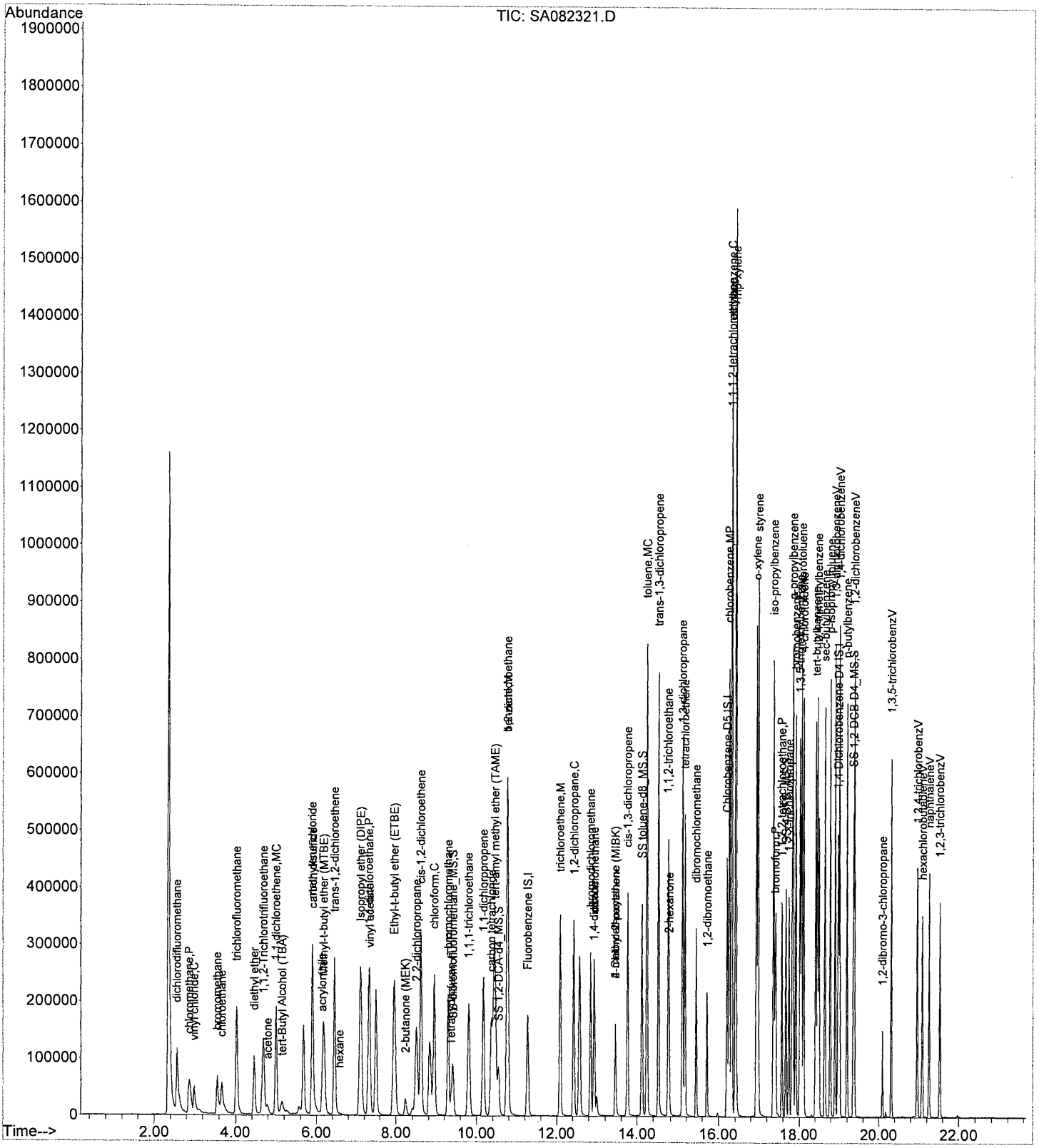
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.08	95	171588	25.305	ug/L		98
40)	1,2-dichloropropane	12.44	63	178690	23.860	ug/L		97
41)	1,4-dioxane	12.93	88	1795	32.482	ug/L	#	82
42)	dibromomethane	12.94	93	116592	25.364	ug/L		98
43)	bromodichloromethane	12.85	83	221359	23.089	ug/L		98
44)	2-Chloroethoxyethene	13.45	63	227	3.036	ug/L	#	1
45)	4-methyl-2-pentanone (MIBK	13.45	58	52569	23.361	ug/L		95
46)	cis-1,3-dichloropropene	13.76	75	246290	24.413	ug/L		99
49)	toluene	14.24	91	689894	22.136	ug/L		99
50)	trans-1,3-dichloropropene	14.52	75	223670	18.560	ug/L		98
51)	1,1,2-trichloroethane	14.74	83	133402	20.040	ug/L		98
52)	2-hexanone	14.76	43	92214	19.042	ug/L		94
53)	tetrachloroethene	15.16	166	166452	23.799	ug/L		99
54)	1,3-dichloropropane	15.10	76	258760	20.444	ug/L		99
55)	dibromochloromethane	15.45	129	165682	21.409	ug/L		100
56)	1,2-dibromoethane	15.72	107	153257	20.456	ug/L		100
57)	chlorobenzene	16.25	112	454207	21.151	ug/L		96
58)	1,1,1,2-tetrachloroethane	16.31	131	158593	22.991	ug/L		98
59)	ethylbenzene	16.32	91	678871	22.463	ug/L		98
60)	mp-xylene	16.41	106	509094	46.041	ug/L		97
61)	o-xylene	16.95	106	252849	22.162	ug/L		98
62)	styrene	16.99	104	468504	22.368	ug/L		98
63)	bromoform	17.41	173	104681	19.695	ug/L	#	99
64)	iso-propylbenzene	17.37	105	523360	24.451	ug/L		100
67)	bromobenzene	17.90	156	188747	19.072	ug/L		96
68)	1,1,2,2-tetrachloroethane	17.57	83	193465	17.753	ug/L		99
69)	1,2,3-trichloropropane	17.74	110	54406	18.141	ug/L		100
71)	n-propylbenzene	17.84	91	646623	20.476	ug/L		99
72)	2-chlorotoluene	18.05	91	473927	18.440	ug/L		99
73)	4-chlorotoluene	18.10	91	464403	19.153	ug/L		99
74)	1,3,5-trimethylbenzene	18.01	105	417452	19.851	ug/L		99
75)	tert-butylbenzene	18.42	119	345806m	19.886	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	447706	19.717	ug/L		98
77)	sec-butylbenzene	18.65	105	462751	20.047	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	285061	19.304	ug/L		99
79)	p-isopropyltoluene	18.78	119	404145	20.801	ug/L		100
80)	1,4-dichlorobenzeneV	19.01	146	295978	19.139	ug/L		98
81)	1,2-dichlorobenzeneV	19.38	146	281406	18.574	ug/L		98
82)	n-butylbenzene	19.19	91	361041	19.840	ug/L		97
84)	1,2-dibromo-3-chloropropan	20.10	75	27469	18.267	ug/L		98
85)	1,3,5-trichlorobenzV	20.31	180	170583	19.529	ug/L		100
86)	1,2,4-trichlorobenzV	20.96	180	149432	20.095	ug/L		98
87)	hexachlorobutadieneV	21.09	225	78830	18.685	ug/L		100
88)	naphthaleneV	21.26	128	305602	18.351	ug/L		99
89)	1,2,3-trichlorobenzV	21.52	180	120687	18.747	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2310\SA082321.D Vial: 21
Acq On : 23 Aug 2010 9:45 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 14:13 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



IS/SS ID= V-3668
Standard ID= V-3661A
Gas Standard ID= V-3666 (W)
LCS/LCSD and/or MS/MSD Standard ID= V-3653(L) (W)
V-3667 (G), V-3653(G)

Analyst: USD

Date: 8/25/10

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
27	SA082425	92033.02	✓	✓		x1	VOCMS	4VID0723			
28	26	Blank					VOCMS		turned EM volts⇑ 2clicks 1306 to 1329		
1	SA082501	BFB					VOCMS		Autofind BFB		✓
2	02	STD 20M					VOCMS	4VID0723	FB: 368597 ⇑mpx, iso-pb		✓
3	03	STD 20G					VOCMS		FB: 359080 ⇓BM, acrolein, 14D, 2CEVE		✓
4	04	STD 2					VOCMS		ok		✓
5	05	MB					VOCMS		in control		✓
6	06	LCS					VOCMS		⇓BM (W) ⇑Freon113, 14D V-3653		✓
7	07	LCSd					VOCMS		⇑Freon113, 14D V-3653		✓
8	08	Blank 2 (W)					VOCMS				
9	09	~~92078.03~~ (W) 91972.03	✓	✓		x1	VOCMS		(W) ~~92072.03~~ TB 8260 (8/4/10 9:05 BAM)		
10	10	92049.03	✓	✓		x1	VOCMS		8260		
11	11	92049.04	✓	✓		x1	VOCMS				
12	12	92049.05	✓	✓		x1	VOCMS				
13	13	92049.07	✓	✓		x1	VOCMS				
14	14	92049.10	✓	✓		x1	VOCMS		COPY		
15	15	92049.11	✓	✓		x1	VOCMS				
16	16	92049.12	✓	✓		x1	VOCMS				
17	17	92049.15	✓	✓		x1	VOCMS				
18	18	92049.21	✓	✓		x1	VOCMS				
19	19	92049.24	✓	✓		x1	VOCMS				
20	20	92049.25	✓	✓		x1	VOCMS	↓			
21	21	BFB					VOCMS		Autofind BFB		✓
22	22	STD 20M					VOCMS	4VID0723	FB 348828 ⇑1112PCA, ethylb, mpx		✓
23	23	STD 20G					VOCMS		FB 333937 ⇓BM, acrolein, 14D, 2CEVE		✓
24	24	STD 2					VOCMS		ethylb. = 1.643 RR x1		✓
25	25	MB (aq)					VOCMS		in control		✓
26	26	92079.01		✓		x1	VOCMS		8260		
27	27	92079.02		✓		x1	VOCMS				
28	28	92079.03		✓		x1	VOCMS				
29	29	92079.04		✓		x1	VOCMS				
30	30	92079.07		✓		x1	VOCMS				
31	31	92079.08		✓		x1	VOCMS		TB (8/4/10 9:05 BAM)		
32	32	92079.03 -MS		✓		x1	VOCMS		V-3667		
33	33	92079.03 -MSD		✓		x1	VOCMS		↓ V-3667		
34	34	LCS (aq)					VOCMS		⇑DCDFM, Freon113, ⇓2CEVE ⇑14D V-3667		✓
35	35	LCSd (aq)					VOCMS		⇑DCDFM, Freon113, ⇑14D ⇓2CEVE, 22DCPA V-3667		✓
36	36	LCS - MeOH					VOCMS		prep 8/25/10		✓
37	37	LCSd - MeOH					VOCMS		prep 8/25/10 MB - MeOH, prep 8/25/10		✓
38	38	~~MB - MeOH~~ (W) ~~92072.02~~	✓ (W)			x10 (W)	VOCMS		prep 8/25/10 (W) watch for foaming!		✓
39	39	92173.01			✓		VOCMS		8260 prep 8/25/10		
40	40	92173.02			✓		VOCMS	↓			

Samples removed from autosampler, order and pH verified by LSD 8/26/10

GC/MS QA-QC Check Report

Tune File : Y:\1\DATA\AUG2510\SA082501.D
Tune Time : 25 Aug 2010 10:46 am

Daily Calibration File : Y:\1\DATA\AUG2510\SA082502.D

368597 282728 135358

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA082502.D	STD 20 M	109	103	101	103	368597	282728	135358
		97	35*					
SA082503.D	STD 20 G	105	103	101	92	359080	275916	118832
		104	10*					
SA082504.D	STD 2	106	106	99	101	362697	276573	133246
		99	13*					
SA082505.D	MB	107	107	97	93	351847	272377	114190
		108	11*					
SA082506.D	LCS	107	102	100	102	377932	292794	134331
		100	0*					
SA082507.D	LCSD	106	102	99	102	380578	295997	143753
		95	0*					
SA082509.D	91972.03	105	104	96	88	349211	275794	115707
		105	0*					
SA082510.D	92049.03	106	102	97	91	356596	270415	114675
		105	0*					
SA082511.D	92049.04	111	106	96	93	345121	271501	116095
		109	0*					
SA082512.D	92049.05	109	108	97	92	336297	260449	108255
		112	0*					
SA082513.D	92049.07	108	105	95	95	346293	269452	118546
		103	0*					
SA082514.D	92049.10	109	108	94	91	337488	266731	111843
		107	0*					
SA082515.D	92049.11	112	111	98	91	323909	258695	107644
		111	0*					
SA082516.D	92049.12	115	112	97	89	322642	258500	107978
		111	0*					
SA082517.D	92049.15	113	112	95	89	320419	261458	105863
		110	0*					
SA082518.D	92049.21	112	110	95	90	327643	257387	105973
		111	0*					
SA082519.D	92049.24	112	113	95	90	324820	256247	106632
		109	0*					
SA082520.D	92049.25	114	113	96	90	315757	256548	108784
		108	0*					

t - fails 12hr time check * - fails criteria

Created: Mon Aug 30 14:35:05 2010 VOAMS4

BFB

Data File : Y:\1\DATA\AUG2510\SA082501.D
Acq On : 25 Aug 2010 10:46 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: RTEINT.P

Vial: 1
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane

AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1527

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	9559	PASS
75	95	30	60	44.6	24365	PASS
95	95	100	100	100.0	54653	PASS
96	95	5	9	8.0	4372	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.9	46973	PASS
175	174	5	9	7.1	3337	PASS
176	174	95	101	96.7	45426	PASS
177	176	5	9	6.8	3093	PASS

SA082501.D 4VID0723.M Mon Aug 30 14:22:15 2010

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2510\SA082502.D Vial: 2
Acq On : 25 Aug 2010 11:25 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	110	0.00
2		dichlorodifluoromethane	-1.000	0.000	0.0	0	-2.56#
3	P	chloromethane	-1.000	0.000	0.0	0	-2.87#
4	C	vinyl chloride	-1.000	0.000	0.0	0	-2.99#
5		bromomethane	-1.000	0.000	0.0	0	-3.58#
6		chloroethane	-1.000	0.000	0.0	0	-3.67#
7		trichlorofluoromethane	-1.000	0.000	0.0	0	-4.02#
8		diethyl ether	20.000	18.580	7.1	100	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	21.603	-8.0	128	0.00
10		acrolein	-1.000	0.000	0.0	0	-4.68#
11		acetone	20.000	16.936	15.3	96	0.01
12	MC	1,1-dichloroethene	20.000	21.547	-7.7#	123	0.00
13		tert-Butyl Alcohol (TBA)	100.000	87.527	12.5	94	0.01
14		iodomethane	20.000	0.000	100.0#	0	-5.56#
15		methylene chloride	20.000	21.789	-8.9	120	0.00
16		carbon disulfide	20.000	19.912	0.4	109	0.00
17		acrylonitrile	20.000	18.581	7.1	96	0.00
18		Methyl-t-butyl ether (MTBE)	40.000	40.776	-1.9	107	0.00
19		trans-1,2-dichloroethene	20.000	23.349	-16.7	125	0.00
20		hexane	20.000	18.724	6.4	118	0.00
21		Isopropyl ether (DIPE)	20.000	19.187	4.1	101	0.00
22		vinyl acetate	-1.000	0.000	0.0	0	-7.34#
23	P	1,1-dichloroethane	20.000	21.496	-7.5	118	0.00
24		Ethyl-t-butyl ether (ETBE)	20.000	19.403	3.0	105	0.00
25		2,2-dichloropropane	20.000	19.868	0.7	125	0.00
26		cis-1,2-dichloroethene	20.000	22.741	-13.7	121	0.00
27		2-butanone (MEK)	20.000	16.256	18.7	92	-0.01
28		bromochloromethane	20.000	22.586	-12.9	122	0.01
29		Tetrahydrofuran (THF)	20.000	16.223	18.9	91	0.00
30	C	chloroform	20.000	22.358	-11.8	123	0.00
31	S	SS dibromofluoromethane_MS	10.000	10.889	-8.9	120	0.00
32		1,1,1-trichloroethane	20.000	22.505	-12.5	130	0.00
33		carbon tetrachloride	20.000	21.639	-8.2	140	0.00
34		1,1-dichloropropene	20.000	21.808	-9.0	126	0.00
35	S	SS 1,2-DCA-d4_MS	10.000	10.346	-3.5	113	0.00
36		tert-amyl methyl ether (TAM	20.000	20.236	-1.2	112	0.00
37	M	benzene	20.000	23.053	-15.3	120	0.00
38		1,2-dichloroethane	20.000	21.313	-6.6	114	0.00
39	M	trichloroethene	20.000	22.015	-10.1	123	0.00
40	C	1,2-dichloropropane	20.000	20.533	-2.7	110	0.00
41		1,4-dioxane	40.000	0.000	100.0#	0	-12.93#
42		dibromomethane	20.000	22.500	-12.5	119	0.00
43		bromodichloromethane	20.000	20.212	-1.1	117	0.00
44		2-Chloroethoxyethene	-1.000	2.989	0.0	0	-13.40#
45		4-methyl-2-pentanone (MIBK)	20.000	16.466	17.7	89	0.00
46		cis-1,3-dichloropropene	20.000	20.898	-4.5	110	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	113	0.00
48	S	SS toluene-d8_MS	10.000	10.107	-1.1	114	0.00
49	MC	toluene	20.000	23.088	-15.4	121	0.00
50		trans-1,3-dichloropropene	20.000	18.315	8.4	108	0.00
51		1,1,2-trichloroethane	20.000	21.284	-6.4	117	0.00
52		2-hexanone	20.000	16.694	16.5	93	0.00
53		tetrachloroethene	20.000	23.981	-19.9	138	0.01
54		1,3-dichloropropane	20.000	20.802	-4.0	112	0.00
55		dibromochloromethane	20.000	21.437	-7.2	119	0.00
56		1,2-dibromoethane	20.000	21.229	-6.1	114	0.00

57	MP	chlorobenzene	20.000	22.639	-13.2	124	0.00
58		1,1,1,2-tetrachloroethane	20.000	23.793	-19.0	125	0.00
59	C	ethylbenzene	20.000	23.902	-19.5	124	0.00
60		mp-xylene	40.000	48.869	-22.2#	125	0.00
61		o-xylene	20.000	23.426	-17.1	122	0.01
62		styrene	20.000	23.572	-17.9	119	0.00
63	P	bromoform	20.000	19.008	5.0	119	0.00
64		iso-propylbenzene	20.000	24.435	-22.2#	132	0.00
65	S	SS 4-BFB_MS	10.000	10.312	-3.1	115	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	122	0.00
67		bromobenzene	20.000	21.403	-7.0	125	0.00
68	P	1,1,2,2-tetrachloroethane	20.000	18.745	6.3	111	0.00
69		1,2,3-trichloropropane	20.000	19.732	1.3	118	0.00
70		t-1,4-dichloro-2-butene	20.000	0.000	100.0#	0	0.03
71		n-propylbenzene	20.000	21.751	-8.8	128	0.00
72		2-chlorotoluene	20.000	20.980	-4.9	125	0.00
73		4-chlorotoluene	20.000	21.407	-7.0	124	0.01
74		1,3,5-trimethylbenzene	20.000	22.292	-11.5	129	0.01
75		tert-butylbenzene	20.000	22.014	-10.1	129	0.00
76		1,2,4-trimethylbenzene	20.000	21.901	-9.5	124	0.00
77		sec-butylbenzene	20.000	22.227	-11.1	131	0.00
78		1,3-dichlorobenzeneV	20.000	21.103	-5.5	125	0.00
79		p-isopropyltoluene	20.000	22.766	-13.8	132	0.00
80		1,4-dichlorobenzeneV	20.000	20.853	-4.3	124	0.00
81		1,2-dichlorobenzeneV	20.000	20.655	-3.3	123	0.00
82		n-butylbenzene	20.000	22.112	-10.6	129	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	9.706	2.9	118	0.00
84		1,2-dibromo-3-chloropropane	20.000	17.078	14.6	104	0.00
85		1,3,5-trichlorobenzV	20.000	21.604	-8.0	131	0.00
86		1,2,4-trichlorobenzV	20.000	20.727	-3.6	123	0.00
87		hexachlorobutadieneV	20.000	21.174	-5.9	138	0.00
88		naphthaleneV	20.000	17.902	10.5	103	0.00
89		1,2,3-trichlorobenzV	20.000	18.673	6.6	109	0.00
90	S	SS 2,5-DBT_MS	20.000	14.132	29.3#	79	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1

SA072312.D 4VID0723.M Mon Aug 30 14:22:31 2010

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2510\SA082503.D
Acq On : 25 Aug 2010 12:01 pm
Sample : STD 20 G
Misc : X1;5mL
MS Integration Params: RTEINT.P

Vial: 3
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	107	0.00
2		dichlorodifluoromethane	20.000	22.120	-10.6	123	0.01
3	P	chloromethane	20.000	20.570	-2.9	110	0.00
4	C	vinyl chloride	20.000	20.934	-4.7	135	0.00
5		bromomethane	20.000	15.063	24.7#	82	0.00
6		chloroethane	20.000	21.457	-7.3	115	0.00
7		trichlorofluoromethane	20.000	24.009	-20.0#	132	0.00
8		diethyl ether	-1.000	0.000	0.0	0	-4.47#
9		1,1,2-Trichlorotrifluoroeth	-1.000	0.000	0.0	0	-4.69#
10		acrolein	20.000	9.418	52.9#	52	0.00
11		acetone	-1.000	0.000	0.0	0	-4.79#
12	MC	1,1-dichloroethene	-1.000	0.000	0.0	0	-5.00#
13		tert-Butyl Alcohol (TBA)	-1.000	0.000	0.0	0	-5.15#
14		iodomethane	-1.000	0.000	0.0	0	-5.56#
15		methylene chloride	-1.000	0.000	0.0	0	-5.89#
16		carbon disulfide	-1.000	0.000	0.0	0	-5.91#
17		acrylonitrile	-1.000	0.000	0.0	0	-6.14#
18		Methyl-t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-6.18#
19		trans-1,2-dichloroethene	-1.000	0.000	0.0	0	-6.45#
20		hexane	-1.000	0.000	0.0	0	-6.58#
21		Isopropyl ether (DIPE)	-1.000	0.000	0.0	0	-7.10#
22		vinyl acetate	20.000	17.933	10.3	106	0.00
23	P	1,1-dichloroethane	-1.000	0.015	0.0	0	0.00
24		Ethyl-t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-7.96#
25		2,2-dichloropropane	-1.000	0.000	0.0	0	-8.50#
26		cis-1,2-dichloroethene	-1.000	0.000	0.0	0	-8.60#
27		2-butanone (MEK)	-1.000	0.020	0.0	0	-0.07
28		bromochloromethane	-1.000	0.000	0.0	0	-9.29#
29		Tetrahydrofuran (THF)	-1.000	0.044	0.0	0	0.01
30	C	chloroform	-1.000	0.324	0.0	0	0.01
31	S	SS dibromofluoromethane_MS	10.000	10.489	-4.9	113	0.00
32		1,1,1-trichloroethane	-1.000	0.000	0.0	0	-9.81#
33		carbon tetrachloride	-1.000	0.000	0.0	0	-10.38#
34		1,1-dichloropropene	-1.000	0.000	0.0	0	-10.17#
35	S	SS 1,2-DCA-d4_MS	10.000	10.306	-3.1	110	0.00
36		tert-amyl methyl ether (TAM	-1.000	0.000	0.0	0	-10.46#
37	M	benzene	-1.000	0.000	0.0	0	-10.78#
38		1,2-dichloroethane	-1.000	0.000	0.0	0	-10.77#
39	M	trichloroethene	-1.000	0.000	0.0	0	-12.09#
40	C	1,2-dichloropropane	-1.000	0.000	0.0	0	-12.44#
41		1,4-dioxane	40.000	25.072	37.3#	58	-0.01
42		dibromomethane	-1.000	0.000	0.0	0	-12.94#
43		bromodichloromethane	-1.000	-0.131	0.0	0	-12.85#
44		2-Chloroethoxyethene	20.000	15.469	22.7#	79	0.00
45		4-methyl-2-pentanone (MIBK)	-1.000	0.000	0.0	0	-13.45#
46		cis-1,3-dichloropropene	-1.000	0.000	0.0	0	-13.76#
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	110	0.00
48	S	SS toluene-d8_MS	10.000	10.085	-0.9	111	0.00
49	MC	toluene	-1.000	0.000	0.0	0	-14.24#
50		trans-1,3-dichloropropene	-1.000	0.000	0.0	0	-14.52#
51		1,1,2-trichloroethane	-1.000	0.000	0.0	0	-14.74#
52		2-hexanone	-1.000	0.000	0.0	0	-14.76#
53		tetrachloroethene	-1.000	0.000	0.0	0	-15.16#
54		1,3-dichloropropane	-1.000	0.000	0.0	0	-15.10#
55		dibromochloromethane	-1.000	0.000	0.0	0	-15.45#
56		1,2-dibromoethane	-1.000	0.000	0.0	0	-15.72#

57	MP	chlorobenzene	-1.000	0.000	0.0	0	-16.26#
58		1,1,1,2-tetrachloroethane	-1.000	0.000	0.0	0	-16.31#
59	C	ethylbenzene	-1.000	0.000	0.0	0	-16.32#
60		mp-xylene	-1.000	0.000	0.0	0	-16.41#
61		o-xylene	-1.000	0.000	0.0	0	-16.95#
62		styrene	-1.000	0.000	0.0	0	-16.99#
63	P	bromoform	-1.000	0.000	0.0	0	-17.41#
64		iso-propylbenzene	-1.000	0.000	0.0	0	-17.37#
65	S	SS 4-BFB_MS	10.000	9.235	7.7	101	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	107	0.01
67		bromobenzene	-1.000	0.000	0.0	0	-17.90#
68	P	1,1,2,2-tetrachloroethane	-1.000	0.000	0.0	0	-17.57#
69		1,2,3-trichloropropane	-1.000	0.000	0.0	0	-17.74#
70		t-1,4-dichloro-2-butene	-1.000	0.000	0.0	0	-17.81#
71		n-propylbenzene	-1.000	0.000	0.0	0	-17.84#
72		2-chlorotoluene	-1.000	0.000	0.0	0	-18.05#
73		4-chlorotoluene	-1.000	0.000	0.0	0	-18.10#
74		1,3,5-trimethylbenzene	-1.000	0.000	0.0	0	-18.01#
75		tert-butylbenzene	-1.000	0.000	0.0	0	-18.42#
76		1,2,4-trimethylbenzene	-1.000	0.000	0.0	0	-18.46#
77		sec-butylbenzene	-1.000	0.000	0.0	0	-18.65#
78		1,3-dichlorobenzeneV	-1.000	0.000	0.0	0	-18.91#
79		p-isopropyltoluene	-1.000	0.000	0.0	0	-18.78#
80		1,4-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.01#
81		1,2-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.38#
82		n-butylbenzene	-1.000	0.000	0.0	0	-19.19#
83	S	SS 1,2-DCB-D4_MS	10.000	10.433	-4.3	111	0.00
84		1,2-dibromo-3-chloropropane	-1.000	3.950	0.0	0	-20.10#
85		1,3,5-trichlorobenzV	-1.000	0.000	0.0	0	-20.31#
86		1,2,4-trichlorobenzV	-1.000	0.000	0.0	0	-20.96#
87		hexachlorobutadieneV	-1.000	0.000	0.0	0	-21.09#
88		naphthaleneV	-1.000	0.000	0.0	0	-21.26#
89		1,2,3-trichlorobenzV	-1.000	0.000	0.0	0	-21.52#
90	S	SS 2,5-DBT_MS	-1.000	4.124	0.0	0	-22.73#

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

SA072312.D 4VID0723.M Mon Aug 30 14:24:15 2010

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082502.D Vial: 2
Acq On : 25 Aug 2010 11:25 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 12:09:35 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	368597	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	282728	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	135358	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	105395	10.89	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.89%			
35) SS 1,2-DCA-d4_MS	10.55	65	119720	10.35	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.46%			
48) SS toluene-d8_MS	14.12	98	373496	10.11	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.07%			
65) SS 4-BFB_MS	17.68	95	143999	10.31	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 103.12%			
83) SS 1,2-DCB-D4_MS	19.35	152	123090	9.71	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.06%			
90) SS 2,5-DBT_MS	22.73	250	25822	14.13	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 35.33%#			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	100095	18.580	ug/L	91
9) 1,1,2-Trichlorotrifluoroet	4.69	101	88372	21.603	ug/L	97
11) acetone	4.80	43	39694	16.936	ug/L	99
12) 1,1-dichloroethene	5.00	96	140452	21.547	ug/L	95
13) tert-Butyl Alcohol (TBA)	5.16	59	48625	87.527	ug/L	96
15) methylene chloride	5.89	84	179573	21.789	ug/L	91
16) carbon disulfide	5.90	76	425897	19.912	ug/L	100
17) acrylonitrile	6.14	53	58131	18.581	ug/L	98
18) Methyl-t-butyl ether (MTBE	6.18	73	721880	40.776	ug/L	98
19) trans-1,2-dichloroethene	6.45	96	206371	23.349	ug/L	95
20) hexane	6.58	57	40655	18.724	ug/L	97
21) Isopropyl ether (DIPE)	7.10	45	556487	19.187	ug/L	96
23) 1,1-dichloroethane	7.32	63	378621	21.496	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	466393	19.403	ug/L	97
25) 2,2-dichloropropane	8.50	77	228383	19.868	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	232255	22.741	ug/L	97
27) 2-butanone (MEK)	8.22	43	63219	16.256	ug/L	96
28) bromochloromethane	9.31	128	112729	22.586	ug/L	89
29) Tetrahydrofuran (THF)	9.38	42	35946	16.223	ug/L	97
30) chloroform	8.94	83	385219	22.358	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	290638	22.505	ug/L	99
33) carbon tetrachloride	10.38	117	239176	21.639	ug/L	100
34) 1,1-dichloropropene	10.17	75	252843	21.808	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	373211	20.236	ug/L	98
37) benzene	10.78	78	813950	23.053	ug/L	97
38) 1,2-dichloroethane	10.77	62	296221	21.313	ug/L	99
39) trichloroethene	12.09	95	206050	22.015	ug/L	98
40) 1,2-dichloropropane	12.44	63	212252	20.533	ug/L	98
42) dibromomethane	12.94	93	142759	22.500	ug/L	98
43) bromodichloromethane	12.85	83	267680	20.212	ug/L	98
45) 4-methyl-2-pentanone (MIBK	13.45	58	51143	16.466	ug/L	96
46) cis-1,3-dichloropropene	13.76	75	291000	20.898	ug/L	98
49) toluene	14.24	91	830215	23.088	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082502.D Vial: 2
Acq On : 25 Aug 2010 11:25 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 12:09:35 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

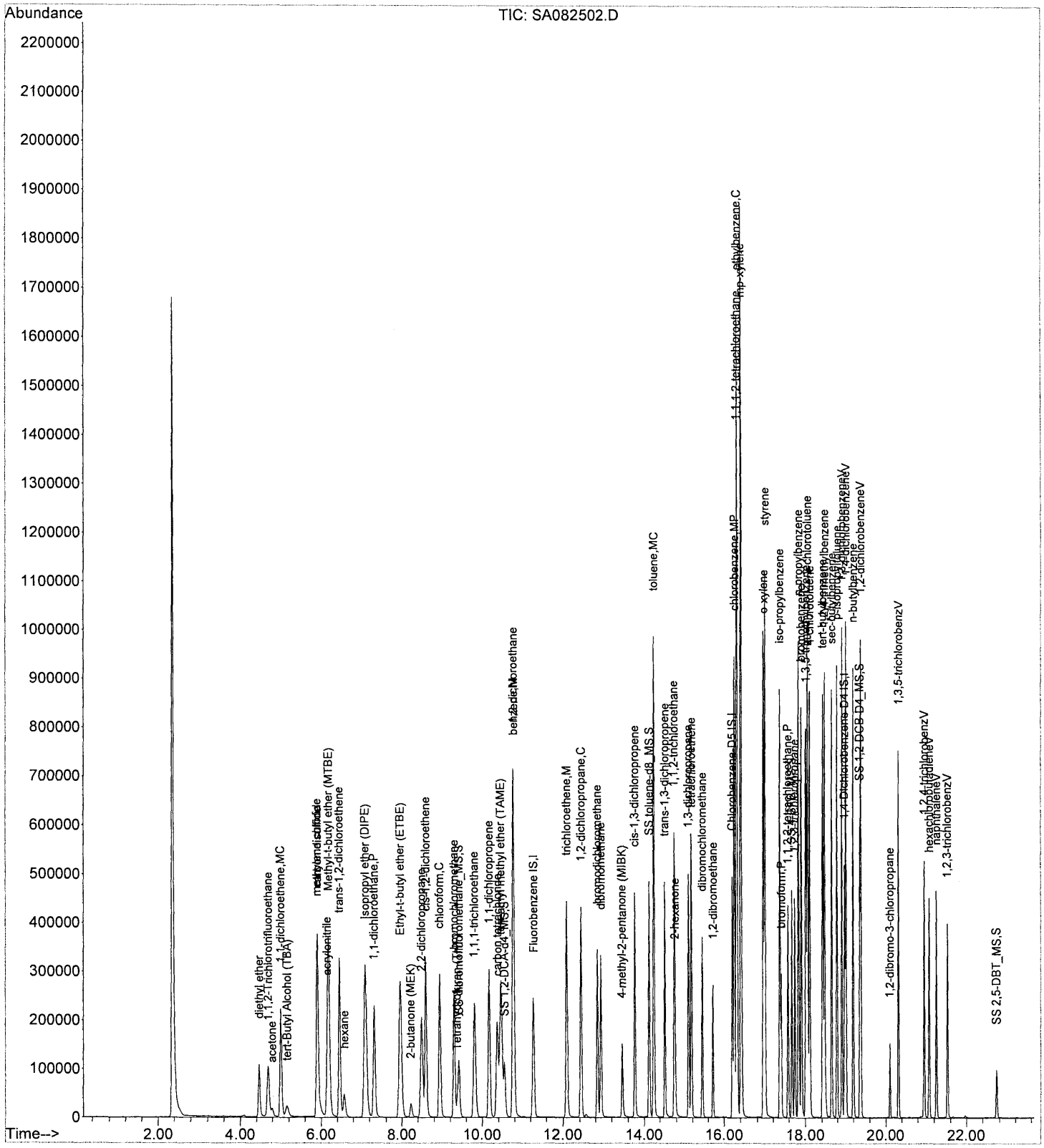
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	trans-1,3-dichloropropene	14.52	75	254366	18.315 ug/L	98
51)	1,1,2-trichloroethane	14.74	83	163468	21.284 ug/L	98
52)	2-hexanone	14.76	43	93274	16.694 ug/L	97
53)	tetrachloroethene	15.18	166	193524	23.981 ug/L	99
54)	1,3-dichloropropane	15.10	76	303784	20.802 ug/L	99
55)	dibromochloromethane	15.45	129	191412	21.437 ug/L	100
56)	1,2-dibromoethane	15.72	107	183512	21.229 ug/L	99
57)	chlorobenzene	16.26	112	560939	22.639 ug/L	96
58)	1,1,1,2-tetrachloroethane	16.31	131	189362	23.793 ug/L	99
59)	ethylbenzene	16.32	91	833433	23.902 ug/L	99
60)	mp-xylene	16.41	106	623463	48.869 ug/L	97
61)	o-xylene	16.96	106	308373	23.426 ug/L	100
62)	styrene	16.99	104	569625	23.572 ug/L #	92
63)	bromoform	17.41	173	116252	19.008 ug/L #	98
64)	iso-propylbenzene	17.37	105	603447	24.435 ug/L	100
67)	bromobenzene	17.90	156	235627	21.403 ug/L	95
68)	1,1,2,2-tetrachloroethane	17.57	83	227238	18.745 ug/L	98
69)	1,2,3-trichloropropane	17.74	110	65831	19.732 ug/L	96
71)	n-propylbenzene	17.84	91	764101	21.751 ug/L	99
72)	2-chlorotoluene	18.05	91	599816	20.980 ug/L	99
73)	4-chlorotoluene	18.11	91	577408	21.407 ug/L	98
74)	1,3,5-trimethylbenzene	18.02	105	521485	22.292 ug/L	99
75)	tert-butylbenzene	18.42	119	425847m	22.014 ug/L	
76)	1,2,4-trimethylbenzene	18.46	105	553204	21.901 ug/L	98
77)	sec-butylbenzene	18.65	105	570740	22.227 ug/L	99
78)	1,3-dichlorobenzeneV	18.91	146	346650	21.103 ug/L	99
79)	p-isopropyltoluene	18.78	119	492046	22.766 ug/L	100
80)	1,4-dichlorobenzeneV	19.01	146	358738	20.853 ug/L	97
81)	1,2-dichlorobenzeneV	19.38	146	348100	20.655 ug/L	98
82)	n-butylbenzene	19.19	91	447615	22.112 ug/L	98
84)	1,2-dibromo-3-chloropropan	20.10	75	28018	17.078 ug/L	97
85)	1,3,5-trichlorobenzV	20.31	180	209924	21.604 ug/L	97
86)	1,2,4-trichlorobenzV	20.96	180	171462	20.727 ug/L	98
87)	hexachlorobutadieneV	21.09	225	99374	21.174 ug/L	99
88)	naphthaleneV	21.26	128	331627	17.902 ug/L	99
89)	1,2,3-trichlorobenzV	21.52	180	133725	18.673 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082502.D Vial: 2
Acq On : 25 Aug 2010 11:25 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 12:23 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082503.D Vial: 3
Acq On : 25 Aug 2010 12:01 pm Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 12:26:22 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

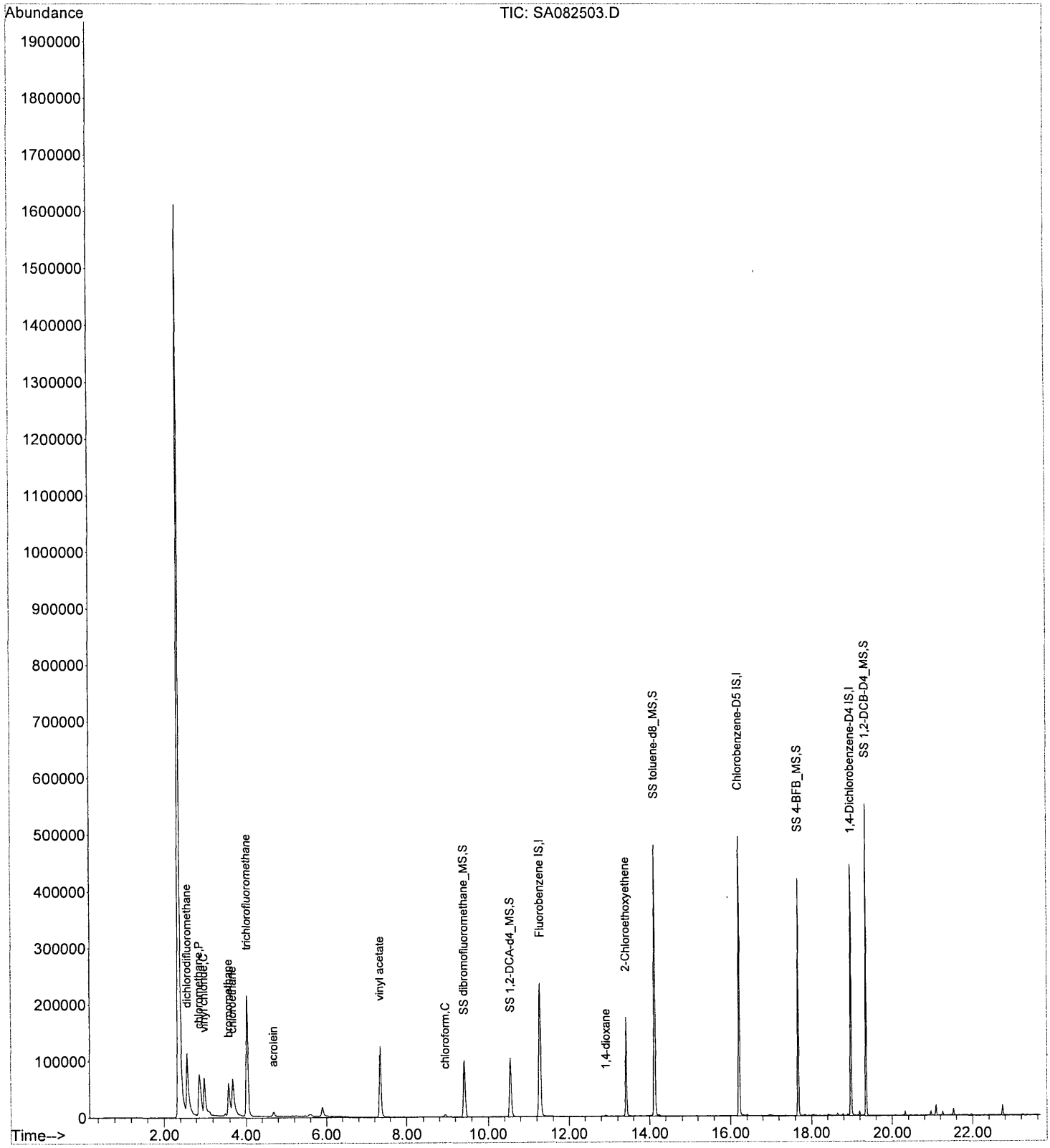
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	359080	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	275916	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	118832	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	98898	10.49	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.89%			
35) SS 1,2-DCA-d4_MS	10.55	65	116172	10.31	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.06%			
48) SS toluene-d8_MS	14.12	98	363678	10.08	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.85%			
65) SS 4-BFB_MS	17.68	95	125853	9.24	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 92.35%			
83) SS 1,2-DCB-D4_MS	19.35	152	116155	10.43	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.33%			
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	2.57	85	232517	22.120	ug/L	99
3) chloromethane	2.87	50	196997	20.570	ug/L	97
4) vinyl chloride	2.99	62	133768	20.934	ug/L	100
5) bromomethane	3.58	94	79710	15.063	ug/L	100
6) chloroethane	3.67	64	116277	21.457	ug/L	99
7) trichlorofluoromethane	4.02	101	296687	24.009	ug/L	99
10) acrolein	4.68	56	10757	9.418	ug/L	95
22) vinyl acetate	7.34	43	295877	17.933	ug/L	97
30) chloroform	8.95	83	5446	0.324	ug/L	96
41) 1,4-dioxane	12.91	88	1863	25.072	ug/L #	46
44) 2-Chloroethoxyethene	13.41	63	82094	15.469	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082503.D Vial: 3
Acq On : 25 Aug 2010 12:01 pm Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 14:24 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082505.D Vial: 5
Acq On : 25 Aug 2010 1:13 pm Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 15:19:43 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	351847	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	272377	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	114190	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	99110	10.727 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.270%		
35) SS 1,2-DCA-d4_MS	10.551	65	117771	10.662 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.620%		
48) SS toluene-d8_MS	14.125	98	343756	9.656 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.560%		
65) SS 4-BFB_MS	17.675	95	125017	9.293 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 92.930%		
83) SS 1,2-DCB-D4_MS	19.354	152	115666	10.812 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.120%		
90) SS 2,5-DBT_MS	22.745	250	536	4.370 ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 10.925%#		
Target Compounds					Qvalue
15) methylene chloride	5.893	84	5126	0.652 ug/L	84

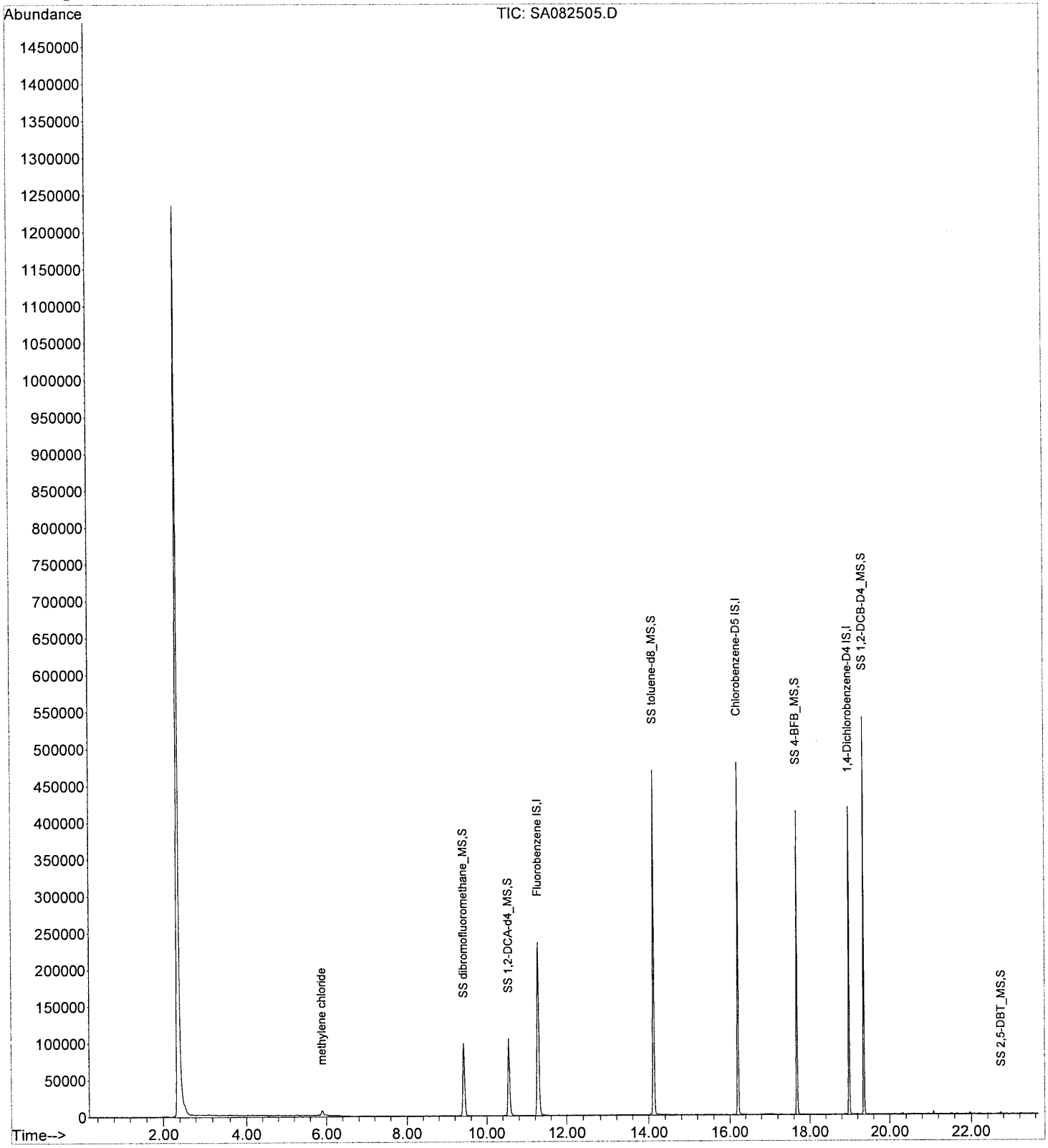
8/30/10
WDF

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082505.D Vial: 5
Acq On : 25 Aug 2010 1:13 pm Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 14:27 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082506.D Vial: 6
Acq On : 25 Aug 2010 1:58 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 14:56:09 2010 Quant Results File: 4VID0723.RES

Quant Method : C:\MSDCHEM\1...\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	377932	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	292794	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	134331	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	106246	10.71	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.06%			
35) SS 1,2-DCA-d4_MS	10.55	65	120469	10.15	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.54%			
48) SS toluene-d8_MS	14.12	98	382686	10.00	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.00%			
65) SS 4-BFB_MS	17.68	95	147844	10.22	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 102.23%			
83) SS 1,2-DCB-D4_MS	19.35	152	126456	10.05	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.48%			
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	2.57	85	189209	17.102	ug/L	99
3) chloromethane	2.87	50	167131	16.581	ug/L	98
4) vinyl chloride	2.99	62	97077	14.434	ug/L	98
5) bromomethane	3.56	94	99143	17.801	ug/L	98
6) chloroethane	3.67	64	102188	17.916	ug/L	100
7) trichlorofluoromethane	4.02	101	274734	21.123	ug/L	99
8) diethyl ether	4.47	59	118133	21.386	ug/L	95
9) 1,1,2-Trichlorotrifluoroet	4.69	101	138544	33.032	ug/L	98
11) acetone	4.79	43	39910	16.608	ug/L	97
12) 1,1-dichloroethene	5.00	96	142120	21.265	ug/L	93
13) tert-Butyl Alcohol (TBA)	5.15	59	53133	93.279	ug/L	90
15) methylene chloride	5.89	84	171916	20.345	ug/L	91
16) carbon disulfide	5.90	76	409285	18.663	ug/L	100
17) acrylonitrile	6.14	53	56496	17.612	ug/L	94
18) Methyl-t-butyl ether (MTBE	6.18	73	370980	20.437	ug/L	98
19) trans-1,2-dichloroethene	6.45	96	208435	23.000	ug/L	94
20) hexane	6.57	57	965	0.433	ug/L #	71
21) Isopropyl ether (DIPE)	7.10	45	566020	19.033	ug/L	97
22) vinyl acetate	7.34	43	320992	18.484	ug/L	98
23) 1,1-dichloroethane	7.32	63	381450	21.121	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	484604	19.663	ug/L	97
25) 2,2-dichloropropane	8.50	77	239323	20.272	ug/L	99
26) cis-1,2-dichloroethene	8.60	96	231815	22.137	ug/L	97
27) 2-butanone (MEK)	8.23	43	68714	17.232	ug/L	96
28) bromochloromethane	9.30	128	110459	21.585	ug/L	90
29) Tetrahydrofuran (THF)	9.39	42	43591	19.188	ug/L	95
30) chloroform	8.94	83	392647	22.226	ug/L	99
32) 1,1,1-trichloroethane	9.82	97	296662	22.404	ug/L	97
33) carbon tetrachloride	10.37	117	243419	21.497	ug/L	99
34) 1,1-dichloropropene	10.17	75	245622	20.662	ug/L	98
36) tert-amyl methyl ether (TA	10.46	73	419492	22.183	ug/L #	88
37) benzene	10.78	78	815118	22.516	ug/L	98
38) 1,2-dichloroethane	10.77	62	300566	21.092	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082506.D Vial: 6
Acq On : 25 Aug 2010 1:58 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 14:56:09 2010 Quant Results File: 4VID0723.RES

Quant Method : C:\MSDCHEM\1...\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

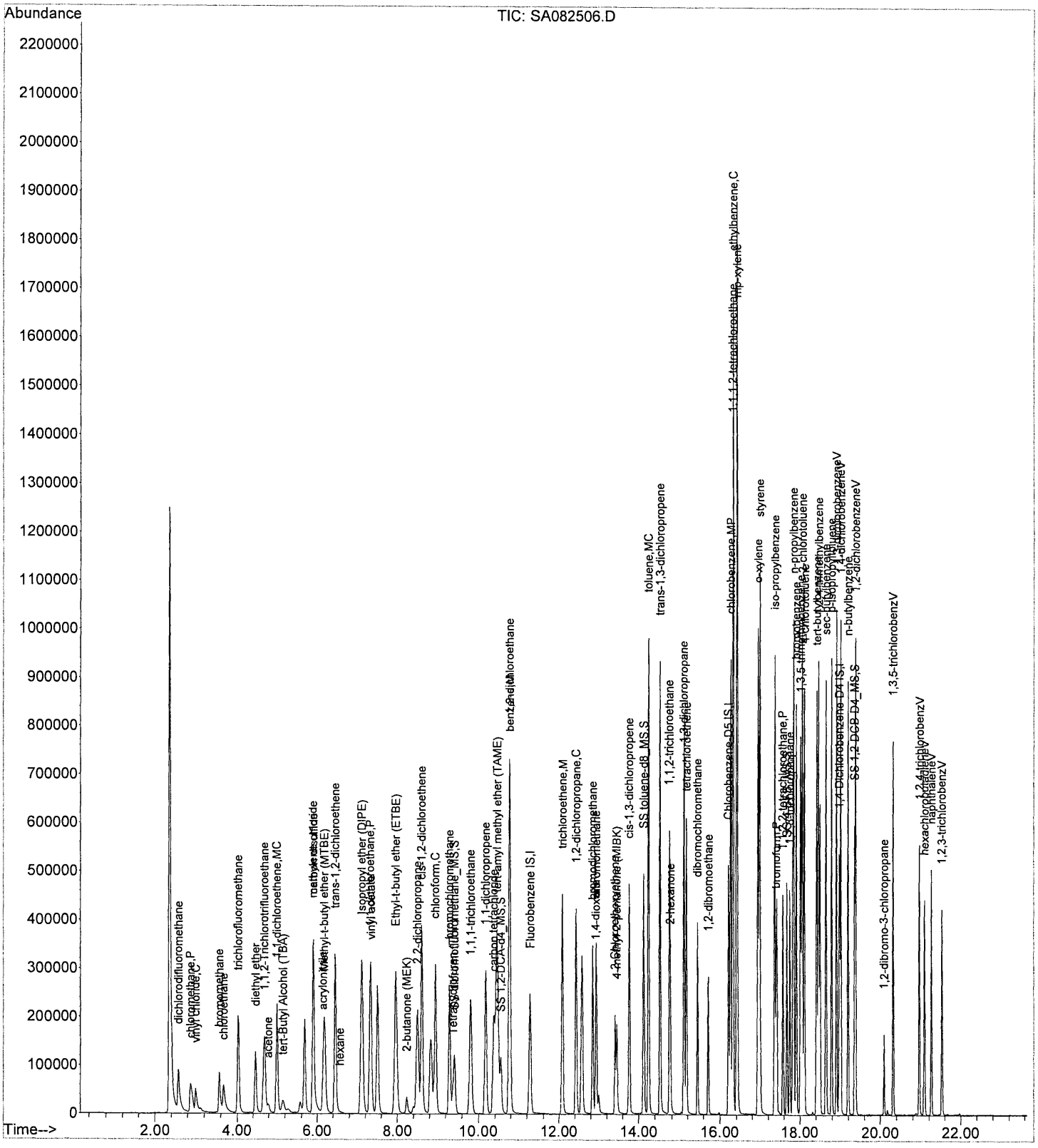
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	trichloroethene	12.09	95	211481	22.037 ug/L	98
40)	1,2-dichloropropane	12.44	63	213988	20.190 ug/L	97
41)	1,4-dioxane	12.93	88	2237	28.603 ug/L #	90
42)	dibromomethane	12.94	93	149100	22.919 ug/L	100
43)	bromodichloromethane	12.85	83	268995	19.807 ug/L	99
44)	2-Chloroethoxyethene	13.41	63	97173	17.024 ug/L	98
45)	4-methyl-2-pentanone (MIBK	13.45	58	62231	19.541 ug/L #	51
46)	cis-1,3-dichloropropene	13.76	75	301830	21.140 ug/L	99
49)	toluene	14.24	91	847001	22.745 ug/L	100
50)	trans-1,3-dichloropropene	14.52	75	269952	18.732 ug/L	97
51)	1,1,2-trichloroethane	14.74	83	165974	20.867 ug/L	99
52)	2-hexanone	14.76	43	102706	17.750 ug/L	95
53)	tetrachloroethene	15.18	166	204674	24.491 ug/L	99
54)	1,3-dichloropropane	15.10	76	319753	21.143 ug/L	99
55)	dibromochloromethane	15.45	129	199612	21.587 ug/L	99
56)	1,2-dibromoethane	15.72	107	189363	21.153 ug/L	98
57)	chlorobenzene	16.26	112	559837	21.818 ug/L	96
58)	1,1,1,2-tetrachloroethane	16.31	131	190916	23.164 ug/L	99
59)	ethylbenzene	16.32	91	848042	23.484 ug/L	100
60)	mp-xylene	16.41	106	621884	47.070 ug/L	98
61)	o-xylene	16.94	106	309366	22.694 ug/L	98
62)	styrene	16.99	104	571492	22.836 ug/L	98
63)	bromoform	17.41	173	125537	19.762 ug/L #	99
64)	iso-propylbenzene	17.37	105	636504	24.887 ug/L	99
67)	bromobenzene	17.90	156	237387	21.728 ug/L	95
68)	1,1,2,2-tetrachloroethane	17.57	83	237820	19.767 ug/L	100
69)	1,2,3-trichloropropane	17.74	110	67540	20.399 ug/L	97
71)	n-propylbenzene	17.84	91	804910	23.088 ug/L	100
72)	2-chlorotoluene	18.05	91	590192	20.801 ug/L	98
73)	4-chlorotoluene	18.11	91	577213	21.563 ug/L	98
74)	1,3,5-trimethylbenzene	18.02	105	515478	22.204 ug/L	99
75)	tert-butylbenzene	18.42	119	434889m	22.653 ug/L	
76)	1,2,4-trimethylbenzene	18.46	105	566783	22.610 ug/L	99
77)	sec-butylbenzene	18.65	105	575491	22.583 ug/L	99
78)	1,3-dichlorobenzeneV	18.91	146	360368	22.106 ug/L	97
79)	p-isopropyltoluene	18.78	119	504071	23.501 ug/L	100
80)	1,4-dichlorobenzeneV	19.01	146	365074	21.383 ug/L	96
81)	1,2-dichlorobenzeneV	19.38	146	349865	20.918 ug/L	98
82)	n-butylbenzene	19.19	91	449483	22.374 ug/L	99
84)	1,2-dibromo-3-chloropropan	20.10	75	30519	18.359 ug/L	99
85)	1,3,5-trichlorobenzV	20.31	180	209600	21.735 ug/L	98
86)	1,2,4-trichlorobenzV	20.96	180	179993	21.925 ug/L	100
87)	hexachlorobutadieneV	21.09	225	98096	21.062 ug/L	99
88)	naphthaleneV	21.26	128	359072	19.531 ug/L	99
89)	1,2,3-trichlorobenzV	21.52	180	141089	19.852 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082506.D Vial: 6
Acq On : 25 Aug 2010 1:58 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 12:50 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082507.D Vial: 7
Acq On : 25 Aug 2010 2:34 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 15:00:20 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	380578	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	295997	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	143753	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	106094	10.62	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.16%			
35) SS 1,2-DCA-d4_MS	10.55	65	122229	10.23	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.30%			
48) SS toluene-d8_MS	14.13	98	382240	9.88	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.80%			
65) SS 4-BFB_MS	17.68	95	149746	10.24	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 102.43%			
83) SS 1,2-DCB-D4_MS	19.35	152	127774	9.49	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.87%			
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	2.57	85	192590	17.286	ug/L	100
3) chloromethane	2.87	50	177714	17.508	ug/L	100
4) vinyl chloride	2.99	62	100904	14.899	ug/L	98
5) bromomethane	3.56	94	99121	17.673	ug/L	98
6) chloroethane	3.68	64	106060	18.466	ug/L	98
7) trichlorofluoromethane	4.02	101	280440	21.412	ug/L	98
8) diethyl ether	4.47	59	119741	21.527	ug/L	92
9) 1,1,2-Trichlorotrifluoroet	4.69	101	138262	32.735	ug/L	98
11) acetone	4.80	43	38255	15.808	ug/L	99
12) 1,1-dichloroethene	5.00	96	146024	21.697	ug/L	93
13) tert-Butyl Alcohol (TBA)	5.15	59	54917	95.740	ug/L	89
15) methylene chloride	5.89	84	176766	20.774	ug/L	89
16) carbon disulfide	5.90	76	426740	19.324	ug/L	100
17) acrylonitrile	6.14	53	56328	17.438	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	386444	21.141	ug/L	97
19) trans-1,2-dichloroethene	6.45	96	218400	23.932	ug/L	95
21) Isopropyl ether (DIPE)	7.10	45	588649	19.657	ug/L	97
22) vinyl acetate	7.34	43	330828	18.918	ug/L	96
23) 1,1-dichloroethane	7.32	63	398569	21.916	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	511556	20.612	ug/L	97
25) 2,2-dichloropropane	8.50	77	253185	21.220	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	241190	22.872	ug/L	97
27) 2-butanone (MEK)	8.23	43	71501	17.807	ug/L	96
28) bromochloromethane	9.30	128	115066	22.329	ug/L	90
29) Tetrahydrofuran (THF)	9.38	42	44844	19.602	ug/L	96
30) chloroform	8.94	83	408881	22.984	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	306818	23.010	ug/L	98
33) carbon tetrachloride	10.38	117	255441	22.300	ug/L	99
34) 1,1-dichloropropene	10.17	75	263303	21.995	ug/L	98
36) tert-amyl methyl ether (TA	10.46	73	431984	22.685	ug/L #	86
37) benzene	10.78	78	861285	23.626	ug/L	97
38) 1,2-dichloroethane	10.77	62	308281	21.483	ug/L	98
39) trichloroethene	12.09	95	221014	22.871	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082507.D Vial: 7
Acq On : 25 Aug 2010 2:34 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 25 15:00:20 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

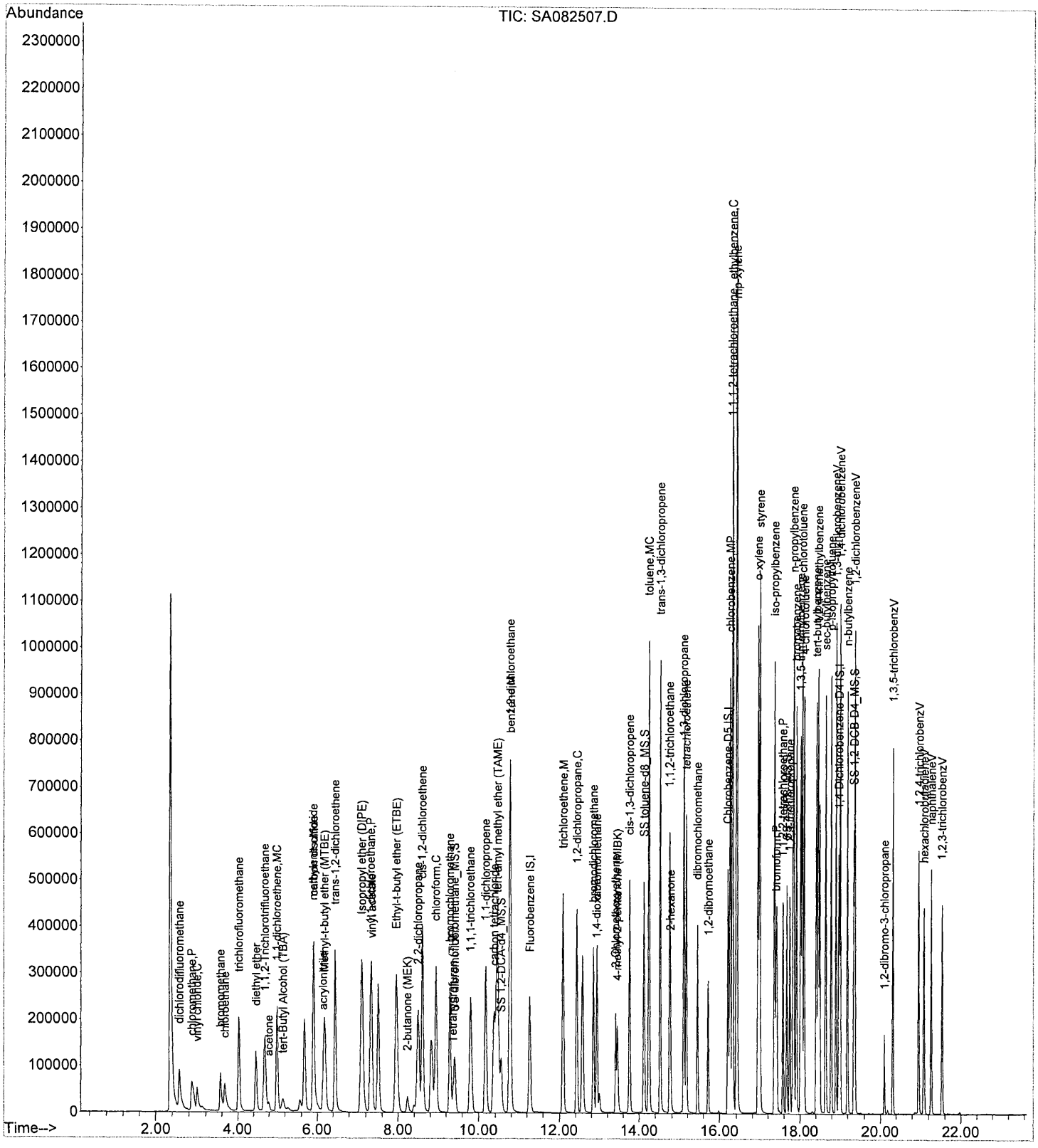
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40)	1,2-dichloropropane	12.44	63	225879	21.163 ug/L	97
41)	1,4-dioxane	12.93	88	2437	30.944 ug/L #	83
42)	dibromomethane	12.94	93	149166	22.769 ug/L	97
43)	bromodichloromethane	12.85	83	276466	20.218 ug/L	98
44)	2-Chloroethoxyethene	13.41	63	99664	17.284 ug/L	98
45)	4-methyl-2-pentanone (MIBK	13.45	58	64914	20.242 ug/L #	58
46)	cis-1,3-dichloropropene	13.76	75	313573	21.810 ug/L	99
49)	toluene	14.24	91	864786	22.971 ug/L	99
50)	trans-1,3-dichloropropene	14.52	75	282291	19.324 ug/L	98
51)	1,1,2-trichloroethane	14.74	83	170953	21.260 ug/L	99
52)	2-hexanone	14.76	43	103810	17.747 ug/L	94
53)	tetrachloroethene	15.16	166	209568	24.805 ug/L	99
54)	1,3-dichloropropane	15.10	76	328208	21.467 ug/L	99
55)	dibromochloromethane	15.45	129	205722	22.007 ug/L	99
56)	1,2-dibromoethane	15.72	107	194487	21.490 ug/L	99
57)	chlorobenzene	16.26	112	565666	21.807 ug/L	97
58)	1,1,1,2-tetrachloroethane	16.31	131	198336	23.803 ug/L	99
59)	ethylbenzene	16.32	91	870367	23.842 ug/L	98
60)	mp-xylene	16.41	106	641183	48.005 ug/L	99
61)	o-xylene	16.95	106	321332	23.316 ug/L	99
62)	styrene	16.99	104	584646	23.109 ug/L	98
63)	bromoform	17.41	173	124097	19.354 ug/L #	100
64)	iso-propylbenzene	17.37	105	663190	25.650 ug/L	99
67)	bromobenzene	17.90	156	242392	20.732 ug/L	96
68)	1,1,2,2-tetrachloroethane	17.57	83	237469	18.445 ug/L	99
69)	1,2,3-trichloropropane	17.74	110	67922	19.170 ug/L	97
71)	n-propylbenzene	17.84	91	829158	22.225 ug/L	100
72)	2-chlorotoluene	18.05	91	613296	20.199 ug/L	98
73)	4-chlorotoluene	18.11	91	595689	20.795 ug/L	99
74)	1,3,5-trimethylbenzene	18.01	105	534630	21.519 ug/L	98
75)	tert-butylbenzene	18.42	119	441926m	21.511 ug/L	
76)	1,2,4-trimethylbenzene	18.46	105	580716	21.648 ug/L	100
77)	sec-butylbenzene	18.65	105	584509	21.434 ug/L	99
78)	1,3-dichlorobenzeneV	18.91	146	367960	21.092 ug/L	98
79)	p-isopropyltoluene	18.78	119	515469	22.457 ug/L	99
80)	1,4-dichlorobenzeneV	19.01	146	385231	21.085 ug/L	97
81)	1,2-dichlorobenzeneV	19.38	146	366704	20.488 ug/L	98
82)	n-butylbenzene	19.19	91	460310	21.411 ug/L	96
84)	1,2-dibromo-3-chloropropan	20.10	75	31416	17.810 ug/L	97
85)	1,3,5-trichlorobenzV	20.31	180	219885	21.308 ug/L	98
86)	1,2,4-trichlorobenzV	20.96	180	191471	21.794 ug/L	97
87)	hexachlorobutadieneV	21.09	225	99958	20.055 ug/L	100
88)	naphthaleneV	21.26	128	370692	18.842 ug/L	100
89)	1,2,3-trichlorobenzV	21.52	180	150805	19.828 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082507.D Vial: 7
Acq On : 25 Aug 2010 2:34 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 12:50 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



IS/SS ID= V-3668
Standard ID= V-3661A
Gas Standard ID= V-3660
LCS/LCSD and/or MS/MSD Standard ID= V-3667(G)
V-3660(L)

Analyst: WSP

Date: 8/27/2010

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA082701	BFB					VOCMS		Autofind BFB		✓
2	02	STD 20M					VOCMS	4VID0723	FB 413880 in control		✓
3	03	STD 20G					VOCMS		FB 419598 ↓BM, acrolein, 2CEVE		✓
4	04	STD 2					VOCMS		ok		✓
5	05	MB					VOCMS		in control		✓
6	06	LCS					VOCMS		↑Freon 113, 14D		✓
7	07	LCSd					VOCMS		↑Freon 113, 14D		✓
8	08	Blank					VOCMS				
9	09	91943.09	✓	✓		×1	VOCMS		iso-ph only		
10	10	92049.16	✓	✓		×1	VOCMS				
11	11	92049.17	✓	✓		×1	VOCMS				
12	12	92049.18	✓	✓		×1	VOCMS				
13	13	92049.19	✓	✓		×1	VOCMS				
14	14	92049.20	✓	✓		×1	VOCMS				
15	15	92049.17-MS	✓	✓		×1	VOCMS				
16	16	92049.17-MSD	✓	✓		×1	VOCMS				
17	17	MB LCS-MeOH					VOCMS		prep 8/25/10 in control		✓
18	18	LCSd-MeOH					VOCMS		in control		✓
19	19	MB-MeOH					VOCMS		prep 8/25/10 in control		✓
20	20	92173.01	✓		✓	×1	VOCMS	↓	prep 8/25/10		
21	21	Blank					VOCMS				
22	22	BFB					VOCMS		Autofind BFB		✓
23	23	STD 20M					VOCMS	4VID0723	FB: 418558 ↓acetone, hexane, 22DCPA,		✓
24	24	STD 20G					VOCMS		FB: 399164 ↓BM, acrolein, 2CEVE		✓
25	25	STD 2					VOCMS		ok		✓
26	26	MB					VOCMS		in control		✓
27	27	92239.11		✓		×1	VOCMS		8260		
28	28	92239.12		✓		×1	VOCMS				
29	29	92239.13		✓		×1	VOCMS		TB		
30	30	92239.04		✓		×10	VOCMS		RRX1		
31	31	92239.05		✓		×10	VOCMS		RRX1		
32	32	92239.06		✓		×10	VOCMS		RRX1		
33	33	92239.07		✓		×10	VOCMS				
34	34	92239.08		✓		×10	VOCMS				
35	35	92239.09		✓		×10	VOCMS		RRX5		
36	36	92239.10		✓		×10	VOCMS		RRX1		
37	37	LCS					VOCMS		↑Freon 113, 14D ↓22DCPA, 2CEVE		✓
38	38	LCSd					VOCMS		↑Freon 113, 14D ↓22DCPA, 2CEVE		✓
39	39	Blank					VOCMS				
40	40	Blank					VOCMS				
41	41	92173.02	✓		✓	×1	VOCMS	↓	prep 8/25/10 8260		
42	42	Blank					VOCMS				

Samples removed from autosampler, order and pH verified by WSP 8/30/10

GC/MS QA-QC Check Report

Tune File : Y:\1\DATA\AUG2710\SA082701.D
Tune Time : 27 Aug 2010 9:12 am

Daily Calibration File : Y:\1\DATA\AUG2710\SA082702.D

						413880	315153	144650

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA082702.D	STD 20 M	100	94	100	103	413880	315153	144650
		98	44*					
SA082703.D	STD 20 G	97	91	98	96	419598	314933	141659
		99	17*					
SA082704.D	STD 2	99	93	98	97	406539	312459	145590
		100	15*					
SA082705.D	MB	96	95	96	95	400328	305675	136545
		101	11*					
SA082706.D	LCS	99	96	98	102	408081	314958	145015
		97	11*					
SA082707.D	LCSD	100	89	97	101	422953	316950	143886
		98	11*					
SA082709.D	91943.09	97	92	96	96	396504	299048	127996
		102	0*					
SA082710.D	92049.16	99	95	97	97	390509	296314	127102
		104	0*					
SA082711.D	92049.17	101	94	97	100	385858	288304	127660
		101	0*					
SA082712.D	92049.18	103	97	96	94	369138	285447	125834
		102	0*					
SA082713.D	92049.19	102	99	95	91	364543	280982	119713
		105	0*					
SA082714.D	92049.20	103	101	97	95	362585	275749	120713
		103	0*					
SA082715.D	92049.17 (MS) (MO)	105	98	97	103	380615	293007	136838
		98	0*					
SA082716.D	92049.17 (MSD) (MO)	104	95	99	102	388008	293546	139113
		101	0*					
SA082717.D	LCS - Me	93	96	95	93	392470	297267	133689
		102	100					
SA082718.D	LCSD - M	96	98	97	93	385426	293127	127127
		105	98					
SA082719.D	MB - MeO	93	99	97	91	386957	288416	128265
		104	112					
SA082720.D	92173.01	94	99	91	115	374593	312753	152783
		97	110					

t - fails 12hr time check * - fails criteria

Created: Mon Aug 30 08:59:43 2010 VOAMS4

BFB

Data File : Y:\1\DATA\AUG2710\SA082701.D Vial: 1
Acq On : 27 Aug 2010 9:12 am Operator: KJP
Sample : BFB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane

AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1527

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	10793	PASS
75	95	30	60	44.9	30173	PASS
95	95	100	100	100.0	67194	PASS
96	95	5	9	7.4	4995	PASS
173	174	0.00	2	0.1	39	PASS
174	95	50	100	90.2	60594	PASS
175	174	5	9	7.3	4422	PASS
176	174	95	101	96.1	58218	PASS
177	176	5	9	6.4	3731	PASS

SA082701.D 4VID0723.M Mon Aug 30 13:16:16 2010

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2710\SA082702.D Vial: 2
Acq On : 27 Aug 2010 9:48 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	124	-0.01
2		dichlorodifluoromethane	-1.000	0.000	0.0	0	-2.56#
3	P	chloromethane	-1.000	0.037	0.0	0	0.00
4	C	vinyl chloride	-1.000	0.009	0.0	0	0.01
5		bromomethane	-1.000	0.353	0.0	0	0.01
6		chloroethane	-1.000	0.000	0.0	0	-3.67#
7		trichlorofluoromethane	-1.000	0.000	0.0	0	-4.02#
8		diethyl ether	20.000	18.688	6.6	113	-0.01
9		1,1,2-Trichlorotrifluoroeth	20.000	18.377	8.1	122	0.00
10		acrolein	-1.000	0.000	0.0	0	-4.68#
11		acetone	20.000	20.066	-0.3	128	0.01
12	MC	1,1-dichloroethene	20.000	20.837	-4.2#	134	0.00
13		tert-Butyl Alcohol (TBA)	100.000	94.267	5.7	114	0.00
14		iodomethane	20.000	0.000	100.0#	0	0.03
15		methylene chloride	20.000	21.218	-6.1	131	0.00
16		carbon disulfide	20.000	19.287	3.6	118	0.00
17		acrylonitrile	20.000	17.742	11.3	103	0.00
18		Methyl-t-butyl ether (MTBE)	40.000	41.192	-3.0	121	0.00
19		trans-1,2-dichloroethene	20.000	21.510	-7.6	129	0.00
20		hexane	20.000	18.817	5.9	134	0.00
21		Isopropyl ether (DIPE)	20.000	19.338	3.3	114	0.00
22		vinyl acetate	-1.000	0.000	0.0	0	-7.34#
23	P	1,1-dichloroethane	20.000	20.090	-0.4	124	0.00
24		Ethyl-t-butyl ether (ETBE)	20.000	20.434	-2.2	124	0.00
25		2,2-dichloropropane	20.000	19.789	1.1	139	0.00
26		cis-1,2-dichloroethene	20.000	21.611	-8.1	129	0.00
27		2-butanone (MEK)	20.000	18.783	6.1	119	-0.01
28		bromochloromethane	20.000	21.063	-5.3	127	0.00
29		Tetrahydrofuran (THF)	20.000	17.722	11.4	112	0.01
30	C	chloroform	20.000	20.347	-1.7	126	0.00
31	S	SS dibromofluoromethane_MS	10.000	10.035	-0.4	124	0.00
32		1,1,1-trichloroethane	20.000	20.786	-3.9	135	0.00
33		carbon tetrachloride	20.000	20.522	-2.6	148	-0.01
34		1,1-dichloropropene	20.000	20.748	-3.7	134	0.00
35	S	SS 1,2-DCA-d4_MS	10.000	9.409	5.9	115	0.00
36		tert-amyl methyl ether (TAM	20.000	21.373	-6.9	133	0.00
37	M	benzene	20.000	21.532	-7.7	126	-0.01
38		1,2-dichloroethane	20.000	19.309	3.5	116	0.00
39	M	trichloroethene	20.000	21.331	-6.7	134	0.00
40	C	1,2-dichloropropane	20.000	19.856	0.7	119	0.00
41		1,4-dioxane	40.000	8.056	79.9#	21	0.01
42		dibromomethane	20.000	20.506	-2.5	122	0.00
43		bromodichloromethane	20.000	18.651	6.7	122	0.00
44		2-Chloroethoxyethene	-1.000	3.015	0.0	0	0.04
45		4-methyl-2-pentanone (MIBK)	20.000	18.129	9.4	110	0.00
46		cis-1,3-dichloropropene	20.000	20.669	-3.3	122	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	126	0.00
48	S	SS toluene-d8_MS	10.000	9.997	0.0	126	0.00
49	MC	toluene	20.000	22.092	-10.5	129	0.00
50		trans-1,3-dichloropropene	20.000	18.568	7.2	122	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2710\SA082702.D Vial: 2
Acq On : 27 Aug 2010 9:48 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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)
51		1,1,2-trichloroethane	20.000	19.778	1.1	121	0.00
52		2-hexanone	20.000	18.106	9.5	113	0.00
53		tetrachloroethene	20.000	22.807	-14.0	146	0.00
54		1,3-dichloropropane	20.000	19.679	1.6	118	0.00
55		dibromochloromethane	20.000	20.817	-4.1	129	0.00
56		1,2-dibromoethane	20.000	21.052	-5.3	126	0.00
57	MP	chlorobenzene	20.000	21.635	-8.2	132	0.00
58		1,1,1,2-tetrachloroethane	20.000	22.949	-14.7	134	0.00
59	C	ethylbenzene	20.000	23.021	-15.1	133	0.00
60		mp-xylene	40.000	46.432	-16.1	132	0.00
61		o-xylene	20.000	22.856	-14.3	132	0.00
62		styrene	20.000	22.672	-13.4	128	0.00
63	P	bromoform	20.000	19.045	4.8	133	0.00
64		iso-propylbenzene	20.000	22.859	-14.3	138	0.00
65	S	SS 4-BFB_MS	10.000	10.267	-2.7	128	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	130	0.00
67		bromobenzene	20.000	20.963	-4.8	131	0.00
68	P	1,1,2,2-tetrachloroethane	20.000	18.511	7.4	117	0.00
69		1,2,3-trichloropropane	20.000	18.804	6.0	120	0.00
70		t-1,4-dichloro-2-butene	20.000	0.000	100.0#	0	0.03
71		n-propylbenzene	20.000	21.315	-6.6	134	0.00
72		2-chlorotoluene	20.000	20.199	-1.0	128	0.00
73		4-chlorotoluene	20.000	20.911	-4.6	129	0.00
74		1,3,5-trimethylbenzene	20.000	22.051	-10.3	136	0.00
75		tert-butylbenzene	20.000	22.205	-11.0	139	0.00
76		1,2,4-trimethylbenzene	20.000	21.256	-6.3	129	0.00
77		sec-butylbenzene	20.000	22.279	-11.4	140	0.00
78		1,3-dichlorobenzeneV	20.000	21.261	-6.3	135	0.00
79		p-isopropyltoluene	20.000	22.634	-13.2	140	0.00
80		1,4-dichlorobenzeneV	20.000	20.799	-4.0	132	0.00
81		1,2-dichlorobenzeneV	20.000	20.754	-3.8	132	0.00
82		n-butylbenzene	20.000	21.887	-9.4	137	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	9.757	2.4	127	0.00
84		1,2-dibromo-3-chloropropane	20.000	17.622	11.9	116	0.00
85		1,3,5-trichlorobenzV	20.000	22.212	-11.1	144	0.00
86		1,2,4-trichlorobenzV	20.000	22.072	-10.4	140	0.00
87		hexachlorobutadieneV	20.000	20.489	-2.4	142	0.00
88		naphthaleneV	20.000	20.041	-0.2	124	0.00
89		1,2,3-trichlorobenzV	20.000	19.760	1.2	124	0.00
90	S	SS 2,5-DBT_MS	20.000	17.461	12.7	113	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2710\SA082703.D Vial: 3
Acq On : 27 Aug 2010 10:24 am Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	125	-0.01
2		dichlorodifluoromethane	20.000	17.813	10.9	116	0.01
3	P	chloromethane	20.000	18.033	9.8	112	0.01
4	C	vinyl chloride	20.000	18.236	8.8	138	0.01
5		bromomethane	20.000	11.612	41.9#	74	0.00
6		chloroethane	20.000	18.329	8.4	115	0.01
7		trichlorofluoromethane	20.000	19.562	2.2	126	0.01
8		diethyl ether	-1.000	0.000	0.0	0	-4.47#
9		1,1,2-Trichlorotrifluoroeth	-1.000	0.000	0.0	0	-4.69#
10		acrolein	20.000	10.723	46.4#	69	0.01
11		acetone	-1.000	0.000	0.0	0	-4.79#
12	MC	1,1-dichloroethene	-1.000	0.000	0.0	0	-5.00#
13		tert-Butyl Alcohol (TBA)	-1.000	0.000	0.0	0	-5.15#
14		iodomethane	-1.000	0.000	0.0	0	-5.56#
15		methylene chloride	-1.000	0.000	0.0	0	-5.89#
16		carbon disulfide	-1.000	0.000	0.0	0	-5.91#
17		acrylonitrile	-1.000	0.000	0.0	0	-6.14#
18		Methyl-t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-6.18#
19		trans-1,2-dichloroethene	-1.000	0.000	0.0	0	-6.45#
20		hexane	-1.000	0.000	0.0	0	-6.58#
21		Isopropyl ether (DIPE)	-1.000	0.000	0.0	0	-7.10#
22		vinyl acetate	20.000	18.418	7.9	128	0.00
23	P	1,1-dichloroethane	-1.000	0.000	0.0	0	-7.32#
24		Ethyl-t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-7.96#
25		2,2-dichloropropane	-1.000	1.528	0.0	0	-8.50#
26		cis-1,2-dichloroethene	-1.000	0.000	0.0	0	-8.60#
27		2-butanone (MEK)	-1.000	0.000	0.0	0	-8.23#
28		bromochloromethane	-1.000	0.000	0.0	0	-9.29#
29		Tetrahydrofuran (THF)	-1.000	0.000	0.0	0	-9.38#
30	C	chloroform	-1.000	0.000	0.0	0	-8.94#
31	S	SS dibromofluoromethane_MS	10.000	9.669	3.3	121	0.00
32		1,1,1-trichloroethane	-1.000	0.000	0.0	0	-9.81#
33		carbon tetrachloride	-1.000	2.423	0.0	0	-10.38#
34		1,1-dichloropropene	-1.000	0.000	0.0	0	-10.17#
35	S	SS 1,2-DCA-d4_MS	10.000	9.067	9.3	113	0.00
36		tert-amyl methyl ether (TAM	-1.000	0.000	0.0	0	-10.46#
37	M	benzene	-1.000	0.000	0.0	0	-10.78#
38		1,2-dichloroethane	-1.000	0.000	0.0	0	-10.77#
39	M	trichloroethene	-1.000	0.000	0.0	0	-12.09#
40	C	1,2-dichloropropane	-1.000	0.000	0.0	0	-12.44#
41		1,4-dioxane	40.000	36.047	9.9	97	-0.02
42		dibromomethane	-1.000	0.000	0.0	0	-12.94#
43		bromodichloromethane	-1.000	-0.131	0.0	0	-12.85#
44		2-Chloroethoxyethene	20.000	14.892	25.5#	88	0.00
45		4-methyl-2-pentanone (MIBK)	-1.000	0.000	0.0	0	-13.45#
46		cis-1,3-dichloropropene	-1.000	0.000	0.0	0	-13.76#
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	126	0.00
48	S	SS toluene-d8_MS	10.000	9.799	2.0	123	0.00
49	MC	toluene	-1.000	0.000	0.0	0	-14.24#
50		trans-1,3-dichloropropene	-1.000	1.509	0.0	0	-14.52#
51		1,1,2-trichloroethane	-1.000	0.000	0.0	0	-14.74#
52		2-hexanone	-1.000	0.000	0.0	0	-14.76#
53		tetrachloroethene	-1.000	0.000	0.0	0	-15.16#
54		1,3-dichloropropane	-1.000	0.000	0.0	0	-15.10#
55		dibromochloromethane	-1.000	0.000	0.0	0	-15.45#
56		1,2-dibromoethane	-1.000	0.000	0.0	0	-15.72#

57	MP	chlorobenzene	-1.000	0.000	0.0	0	-16.26#
58		1,1,1,2-tetrachloroethane	-1.000	0.000	0.0	0	-16.31#
59	C	ethylbenzene	-1.000	0.000	0.0	0	-16.32#
60		mp-xylene	-1.000	0.000	0.0	0	-16.41#
61		o-xylene	-1.000	0.000	0.0	0	-16.95#
62		styrene	-1.000	0.000	0.0	0	-16.99#
63	P	bromoform	-1.000	1.379	0.0	0	-17.41#
64		iso-propylbenzene	-1.000	0.000	0.0	0	-17.37#
65	S	SS 4-BFB_MS	10.000	9.608	3.9	120	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	128	0.00
67		bromobenzene	-1.000	0.000	0.0	0	-17.90#
68	P	1,1,2,2-tetrachloroethane	-1.000	0.000	0.0	0	-17.57#
69		1,2,3-trichloropropane	-1.000	0.000	0.0	0	-17.74#
70		t-1,4-dichloro-2-butene	-1.000	0.000	0.0	0	-17.81#
71		n-propylbenzene	-1.000	0.000	0.0	0	-17.84#
72		2-chlorotoluene	-1.000	0.000	0.0	0	-18.05#
73		4-chlorotoluene	-1.000	0.000	0.0	0	-18.10#
74		1,3,5-trimethylbenzene	-1.000	0.000	0.0	0	-18.01#
75		tert-butylbenzene	-1.000	0.000	0.0	0	-18.42#
76		1,2,4-trimethylbenzene	-1.000	0.000	0.0	0	-18.46#
77		sec-butylbenzene	-1.000	0.000	0.0	0	-18.65#
78		1,3-dichlorobenzeneV	-1.000	0.000	0.0	0	-18.91#
79		p-isopropyltoluene	-1.000	0.000	0.0	0	-18.78#
80		1,4-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.01#
81		1,2-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.38#
82		n-butylbenzene	-1.000	0.000	0.0	0	-19.19#
83	S	SS 1,2-DCB-D4_MS	10.000	9.901	1.0	126	0.00
84		1,2-dibromo-3-chloropropane	-1.000	3.950	0.0	0	-20.10#
85		1,3,5-trichlorobenzV	-1.000	0.000	0.0	0	-20.31#
86		1,2,4-trichlorobenzV	-1.000	0.000	0.0	0	-20.96#
87		hexachlorobutadieneV	-1.000	0.000	0.0	0	-21.09#
88		naphthaleneV	-1.000	0.000	0.0	0	-21.26#
89		1,2,3-trichlorobenzV	-1.000	0.000	0.0	0	-21.52#
90	S	SS 2,5-DBT_MS	-1.000	4.124	0.0	0	-22.73#

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

SA072312.D 4VID0723.M Mon Aug 30 14:01:31 2010

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2710\SA082702.D Vial: 2
Acq On : 27 Aug 2010 9:48 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 10:44:37 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	413880	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	315153	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	144650	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	109063	10.04	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.35%			
35) SS 1,2-DCA-d4_MS	10.55	65	122248	9.41	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.09%			
48) SS toluene-d8_MS	14.13	98	411774	10.00	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.97%			
65) SS 4-BFB_MS	17.68	95	159815	10.27	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 102.67%			
83) SS 1,2-DCB-D4_MS	19.35	152	132223	9.76	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.57%			
90) SS 2,5-DBT_MS	22.73	250	36775	17.46	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 43.65%#			
Target Compounds						Qvalue
5) bromomethane	3.59	94	2150	0.353	ug/L #	53
8) diethyl ether	4.45	59	113049	18.688	ug/L	92
9) 1,1,2-Trichlorotrifluoroet	4.69	101	84408	18.377	ug/L	97
11) acetone	4.80	43	52807	20.066	ug/L	92
12) 1,1-dichloroethene	5.00	96	152507	20.837	ug/L	90
13) tert-Butyl Alcohol (TBA)	5.15	59	58803	94.267	ug/L #	85
15) methylene chloride	5.89	84	196350	21.218	ug/L	88
16) carbon disulfide	5.90	76	463204	19.287	ug/L	100
17) acrylonitrile	6.14	53	62326	17.742	ug/L	98
18) Methyl-t-butyl ether (MTBE	6.18	73	818837	41.192	ug/L	97
19) trans-1,2-dichloroethene	6.45	96	213469	21.510	ug/L	93
20) hexane	6.58	57	45877	18.817	ug/L #	88
21) Isopropyl ether (DIPE)	7.10	45	629778	19.338	ug/L	97
23) 1,1-dichloroethane	7.32	63	397344	20.090	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	551510	20.434	ug/L	97
25) 2,2-dichloropropane	8.50	77	255344	19.789	ug/L	98
26) cis-1,2-dichloroethene	8.60	96	247832	21.611	ug/L	96
27) 2-butanone (MEK)	8.22	43	82021	18.783	ug/L	93
28) bromochloromethane	9.30	128	118040	21.063	ug/L	87
29) Tetrahydrofuran (THF)	9.39	42	44090	17.722	ug/L	93
30) chloroform	8.94	83	393635	20.347	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	301427	20.786	ug/L	98
33) carbon tetrachloride	10.37	117	252942	20.522	ug/L	98
34) 1,1-dichloropropene	10.17	75	270098	20.748	ug/L	97
36) tert-amyl methyl ether (TA	10.46	73	442610	21.373	ug/L #	89
37) benzene	10.77	78	853626	21.532	ug/L	97
38) 1,2-dichloroethane	10.77	62	301332	19.309	ug/L	98
39) trichloroethene	12.09	95	224177	21.331	ug/L	96
40) 1,2-dichloropropane	12.44	63	230472	19.856	ug/L	95
41) 1,4-dioxane	12.94	88	690	8.056	ug/L #	23
42) dibromomethane	12.94	93	146093	20.506	ug/L	97
43) bromodichloromethane	12.85	83	277510	18.651	ug/L	99
44) 2-Chloroethoxyethene	13.44	63	192	3.015	ug/L #	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2710\SA082702.D Vial: 2
Acq On : 27 Aug 2010 9:48 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 10:44:37 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

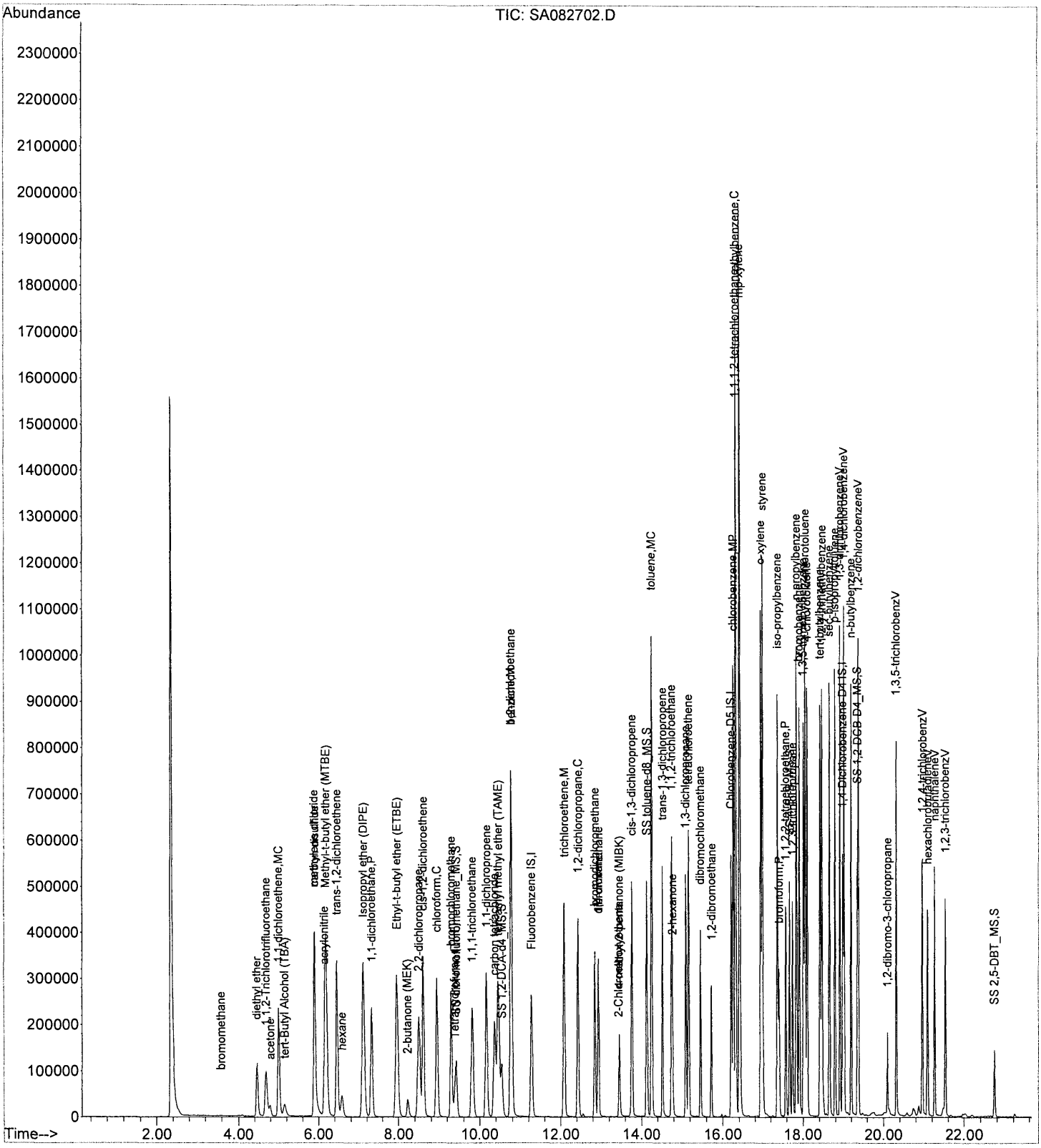
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	4-methyl-2-pentanone (MIBK	13.45	58	63225	18.129 ug/L		94
46)	cis-1,3-dichloropropene	13.76	75	323171	20.669 ug/L		99
49)	toluene	14.24	91	885520	22.092 ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	287795	18.568 ug/L		97
51)	1,1,2-trichloroethane	14.74	83	169324	19.778 ug/L		99
52)	2-hexanone	14.76	43	112765	18.106 ug/L	#	93
53)	tetrachloroethene	15.16	166	205151	22.807 ug/L		98
54)	1,3-dichloropropane	15.10	76	320328	19.679 ug/L		98
55)	dibromochloromethane	15.45	129	207191	20.817 ug/L		100
56)	1,2-dibromoethane	15.72	107	202849	21.052 ug/L		99
57)	chlorobenzene	16.26	112	597523	21.635 ug/L		94
58)	1,1,1,2-tetrachloroethane	16.31	131	203590	22.949 ug/L		99
59)	ethylbenzene	16.32	91	894781	23.021 ug/L		98
60)	mp-xylene	16.41	106	660311	46.432 ug/L		98
61)	o-xylene	16.95	106	335379	22.856 ug/L		97
62)	styrene	16.99	104	610728	22.672 ug/L		96
63)	bromoform	17.41	173	129853	19.045 ug/L	#	100
64)	iso-propylbenzene	17.37	105	629274	22.859 ug/L		99
67)	bromobenzene	17.90	156	246618	20.963 ug/L		95
68)	1,1,2,2-tetrachloroethane	17.57	83	239807	18.511 ug/L		99
69)	1,2,3-trichloropropane	17.74	110	67042	18.804 ug/L		98
71)	n-propylbenzene	17.84	91	800162	21.315 ug/L		98
72)	2-chlorotoluene	18.05	91	617124	20.199 ug/L		98
73)	4-chlorotoluene	18.10	91	602739	20.911 ug/L		98
74)	1,3,5-trimethylbenzene	18.01	105	551263	22.051 ug/L		99
75)	tert-butylbenzene	18.42	119	459033m	22.205 ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	573766	21.256 ug/L		99
77)	sec-butylbenzene	18.65	105	611358	22.279 ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	373225	21.261 ug/L		97
79)	p-isopropyltoluene	18.78	119	522766	22.634 ug/L		100
80)	1,4-dichlorobenzeneV	19.01	146	382377	20.799 ug/L		96
81)	1,2-dichlorobenzeneV	19.38	146	373780	20.754 ug/L		97
82)	n-butylbenzene	19.19	91	473488	21.887 ug/L		98
84)	1,2-dibromo-3-chloropropan	20.10	75	31183	17.622 ug/L	#	70
85)	1,3,5-trichlorobenzV	20.31	180	230648	22.212 ug/L		96
86)	1,2,4-trichlorobenzV	20.96	180	195117	22.072 ug/L		98
87)	hexachlorobutadieneV	21.09	225	102761	20.489 ug/L		99
88)	naphthaleneV	21.26	128	396745	20.041 ug/L		99
89)	1,2,3-trichlorobenzV	21.52	180	151225	19.760 ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2710\SA082702.D Vial: 2
Acq On : 27 Aug 2010 9:48 am Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 10:46 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2710\SA082703.D Vial: 3
Acq On : 27 Aug 2010 10:24 am Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 10:54:55 2010 Quant Results File: 4VID0723.RES

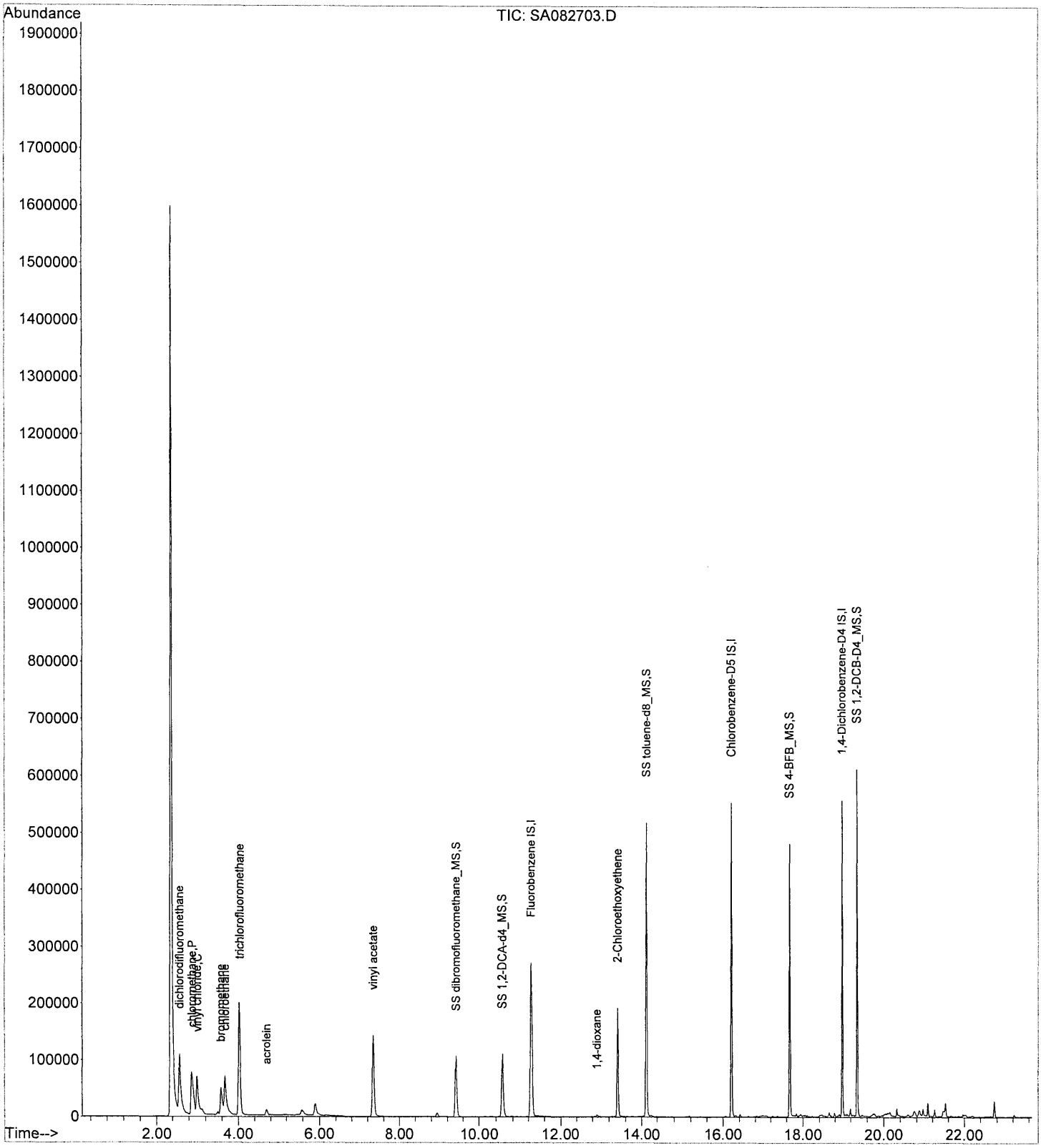
Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	419598	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	314933	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	141659	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.42	111	106529	9.67 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.69%		
35) SS 1,2-DCA-d4_MS	10.55	65	119436	9.07 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 90.67%		
48) SS toluene-d8_MS	14.12	98	403326	9.80 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.99%		
65) SS 4-BFB_MS	17.68	95	149451	9.61 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.08%		
83) SS 1,2-DCB-D4_MS	19.35	152	131400	9.90 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.01%		
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	2.57	85	218807	17.813 ug/L	98
3) chloromethane	2.88	50	201809	18.033 ug/L	100
4) vinyl chloride	3.00	62	136165	18.236 ug/L	100
5) bromomethane	3.58	94	71802	11.612 ug/L	100
6) chloroethane	3.68	64	116070	18.329 ug/L	100
7) trichlorofluoromethane	4.03	101	282472	19.562 ug/L	100
10) acrolein	4.69	56	14311	10.723 ug/L	96
22) vinyl acetate	7.34	43	355103	18.418 ug/L	96
41) 1,4-dioxane	12.90	88	3130	36.047 ug/L #	89
44) 2-Chloroethoxyethene	13.41	63	91499	14.892 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2710\SA082703.D Vial: 3
Acq On : 27 Aug 2010 10:24 am Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 14:01 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082705.D Vial: 5
Acq On : 27 Aug 2010 11:35 am Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 12:20:37 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.271	96	400328	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	305675	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	136545	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	100779	9.587 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.870%		
35) SS 1,2-DCA-d4_MS	10.551	65	119159	9.481 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.810%		
48) SS toluene-d8_MS	14.125	98	382098	9.564 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.640%		
65) SS 4-BFB_MS	17.676	95	143356	9.495 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 94.950%		
83) SS 1,2-DCB-D4_MS	19.354	152	129136	10.095 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.950%		
90) SS 2,5-DBT_MS	22.745	250	1210	4.589 ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 11.473%#		
Target Compounds					Qvalue
15) methylene chloride	5.893	84	6114	0.683 ug/L	87

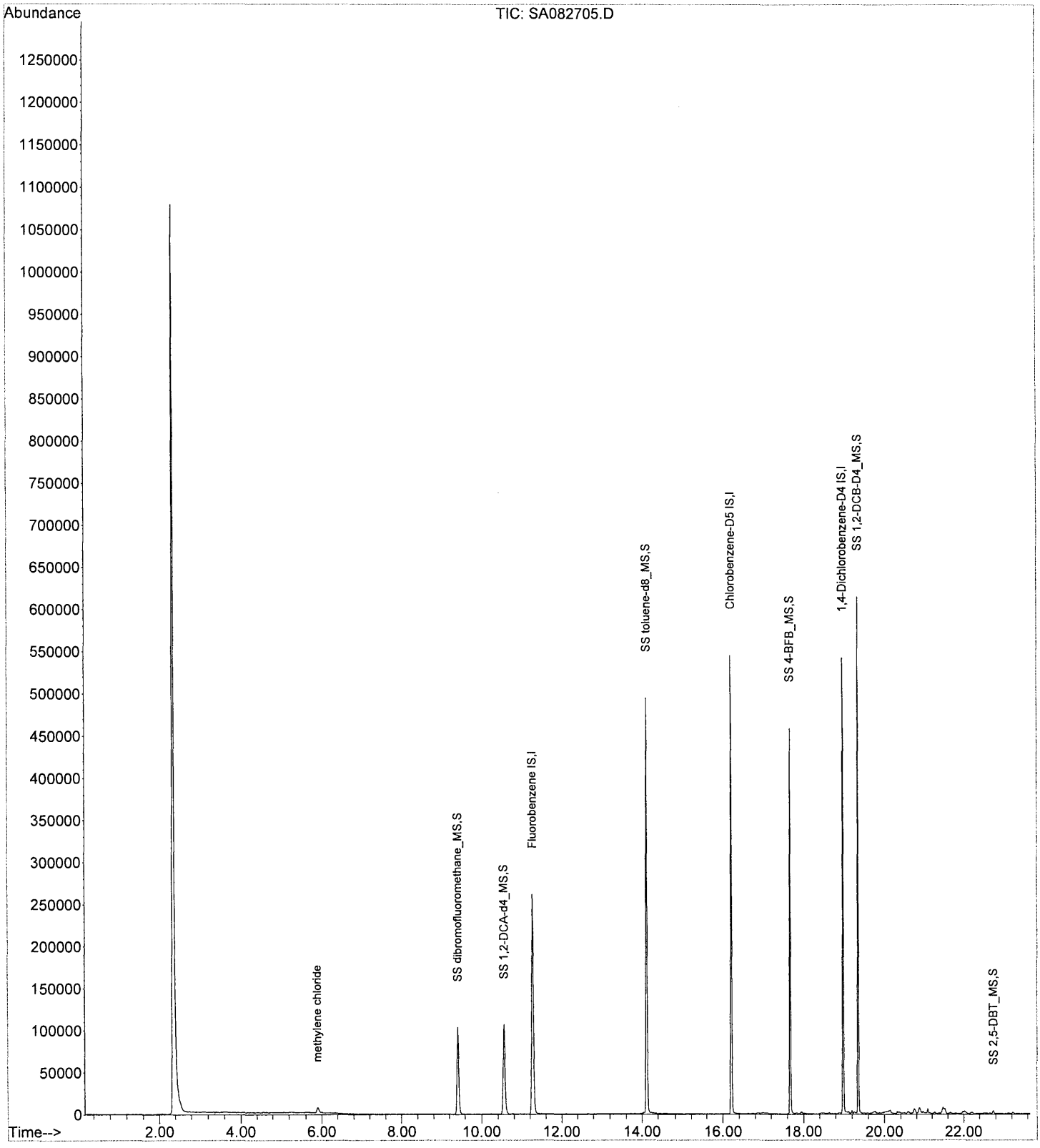
8/30/10
MP

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082705.D 4VID0723.M Mon Aug 30 15:05:07 2010 Page 1

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082705.D Vial: 5
Acq On : 27 Aug 2010 11:35 am Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 12:20 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2710\SA082706.D Vial: 6
Acq On : 27 Aug 2010 12:11 pm Operator: KJP
Sample : LCSaA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 12:38:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	408081	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	314958	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	145015	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	106361	9.93	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.26%			
35) SS 1,2-DCA-d4_MS	10.55	65	123031	9.60	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.04%			
48) SS toluene-d8_MS	14.12	98	403754	9.81	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.08%			
65) SS 4-BFB_MS	17.68	95	157935	10.15	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.53%			
83) SS 1,2-DCB-D4_MS	19.35	152	132274	9.74	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.36%			
90) SS 2,5-DBT_MS	22.74	250	360	4.25	ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 10.63%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	283304	23.715	ug/L	98
3) chloromethane	2.87	50	212215	19.498	ug/L	98
4) vinyl chloride	2.99	62	122691	16.895	ug/L	98
5) bromomethane	3.56	94	125571	20.881	ug/L	99
6) chloroethane	3.68	64	121962	19.803	ug/L	99
7) trichlorofluoromethane	4.02	101	302097	21.511	ug/L	100
8) diethyl ether	4.47	59	127308	21.345	ug/L	93
9) 1,1,2-Trichlorotrifluoroet	4.69	101	137510	30.363	ug/L	98
11) acetone	4.80	43	38684	14.908	ug/L	93
12) 1,1-dichloroethene	5.00	96	151847	21.041	ug/L	91
13) tert-Butyl Alcohol (TBA)	5.15	59	55265	89.854	ug/L #	84
15) methylene chloride	5.89	84	185314	20.310	ug/L	86
16) carbon disulfide	5.90	76	434597	18.353	ug/L	100
17) acrylonitrile	6.14	53	59063	17.052	ug/L	98
18) Methyl-t-butyl ether (MTBE	6.18	73	412048	21.023	ug/L	97
19) trans-1,2-dichloroethene	6.45	96	226403	23.137	ug/L	93
20) hexane	6.57	57	1238	0.515	ug/L	92
21) Isopropyl ether (DIPE)	7.10	45	627336	19.537	ug/L	97
22) vinyl acetate	7.34	43	352699	18.810	ug/L #	94
23) 1,1-dichloroethane	7.32	63	407519	20.898	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	557071	20.933	ug/L	97
25) 2,2-dichloropropane	8.50	77	258053	20.245	ug/L	99
26) cis-1,2-dichloroethene	8.60	96	245212	21.687	ug/L	97
27) 2-butanone (MEK)	8.23	43	74675	17.344	ug/L	94
28) bromochloromethane	9.30	128	117170	21.205	ug/L	88
29) Tetrahydrofuran (THF)	9.38	42	45222	18.435	ug/L	91
30) chloroform	8.94	83	412181	21.608	ug/L	98
32) 1,1,1-trichloroethane	9.81	97	307806	21.528	ug/L	97
33) carbon tetrachloride	10.37	117	253129	20.793	ug/L	98
34) 1,1-dichloropropene	10.16	75	271724	21.169	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	465717	22.808	ug/L #	81
37) benzene	10.78	78	874562	22.373	ug/L	96
38) 1,2-dichloroethane	10.77	62	304096	19.763	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2710\SA082706.D Vial: 6
Acq On : 27 Aug 2010 12:11 pm Operator: KJP
Sample : LCSaA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 12:38:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

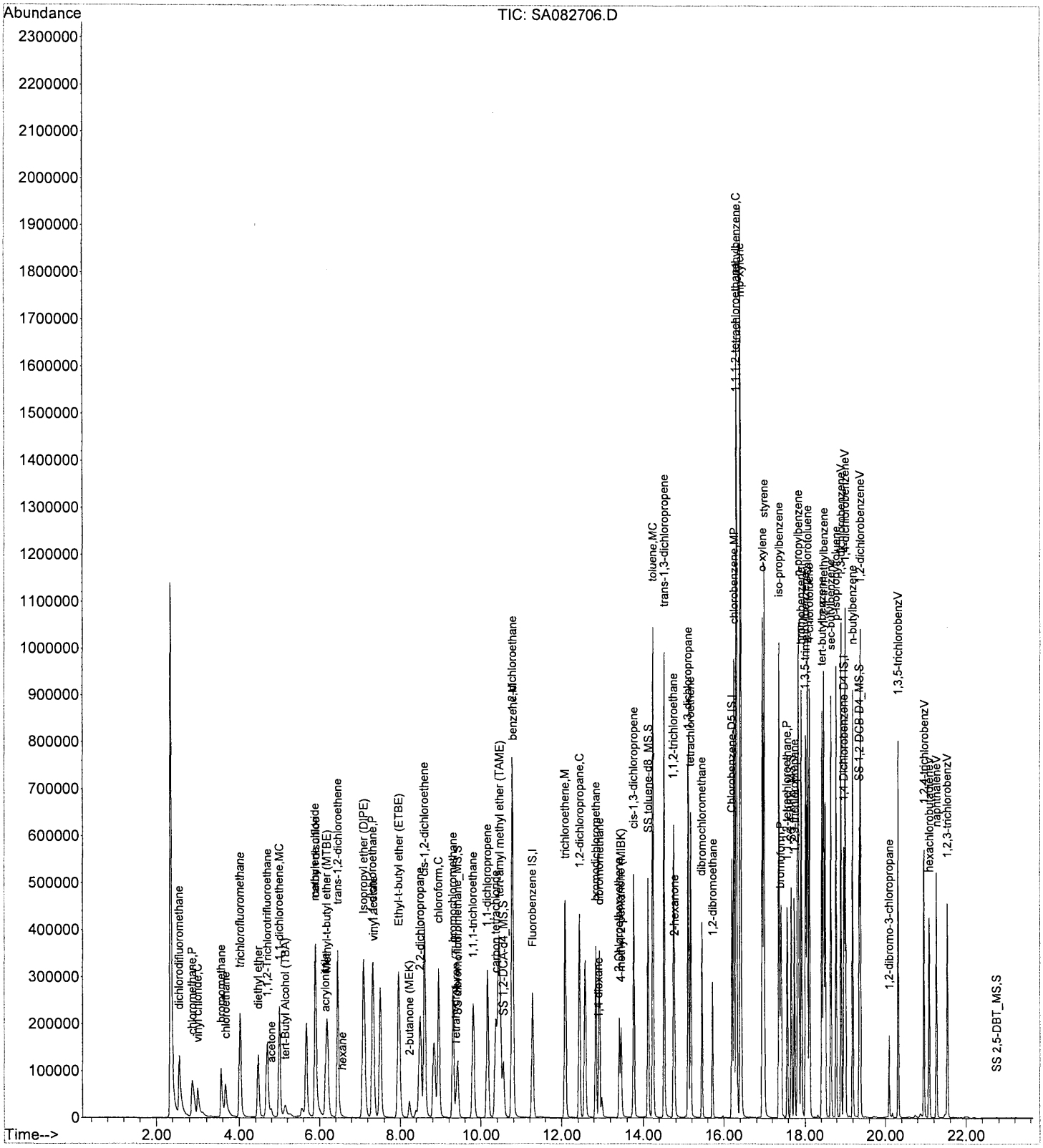
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.08	95	224672	21.682	ug/L		97
40)	1,2-dichloropropane	12.44	63	232147	20.285	ug/L		96
41)	1,4-dioxane	12.91	88	2505	29.664	ug/L	#	88
42)	dibromomethane	12.94	93	151380	21.550	ug/L		96
43)	bromodichloromethane	12.85	83	280185	19.102	ug/L		99
44)	2-Chloroethoxyethene	13.41	63	102729	16.730	ug/L		97
45)	4-methyl-2-pentanone (MIBK	13.45	58	68446	19.905	ug/L	#	61
46)	cis-1,3-dichloropropene	13.76	75	329068	21.345	ug/L		99
49)	toluene	14.24	91	894752	22.336	ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	290580	18.743	ug/L		97
51)	1,1,2-trichloroethane	14.74	83	172258	20.133	ug/L		99
52)	2-hexanone	14.76	43	107592	17.286	ug/L		96
53)	tetrachloroethene	15.16	166	217934	24.243	ug/L		97
54)	1,3-dichloropropane	15.10	76	328718	20.206	ug/L		99
55)	dibromochloromethane	15.45	129	215311	21.646	ug/L		98
56)	1,2-dibromoethane	15.72	107	199103	20.676	ug/L		98
57)	chlorobenzene	16.26	112	590915	21.409	ug/L		96
58)	1,1,1,2-tetrachloroethane	16.31	131	202753	22.869	ug/L		99
59)	ethylbenzene	16.32	91	884480	22.770	ug/L		99
60)	mp-xylene	16.41	106	654257	46.035	ug/L		97
61)	o-xylene	16.94	106	337039	22.984	ug/L		95
62)	styrene	16.99	104	603047	22.401	ug/L		96
63)	bromoform	17.41	173	128657	18.893	ug/L	#	97
64)	iso-propylbenzene	17.37	105	690720	25.107	ug/L		98
67)	bromobenzene	17.90	156	250437	21.234	ug/L		95
68)	1,1,2,2-tetrachloroethane	17.57	83	239198	18.417	ug/L		99
69)	1,2,3-trichloropropane	17.74	110	67426	18.864	ug/L		96
71)	n-propylbenzene	17.84	91	829994	22.054	ug/L		100
72)	2-chlorotoluene	18.05	91	606449	19.799	ug/L		98
73)	4-chlorotoluene	18.10	91	606612	20.992	ug/L		98
74)	1,3,5-trimethylbenzene	18.01	105	532868	21.262	ug/L		98
75)	tert-butylbenzene	18.42	119	447855m	21.610	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	585739	21.645	ug/L		97
77)	sec-butylbenzene	18.65	105	596195	21.672	ug/L		98
78)	1,3-dichlorobenzeneV	18.91	146	373624	21.230	ug/L		97
79)	p-isopropyltoluene	18.78	119	529039	22.848	ug/L		100
80)	1,4-dichlorobenzeneV	19.01	146	384495	20.862	ug/L		96
81)	1,2-dichlorobenzeneV	19.38	146	370527	20.521	ug/L		98
82)	n-butylbenzene	19.19	91	458927	21.161	ug/L		96
84)	1,2-dibromo-3-chloropropan	20.10	75	31802	17.858	ug/L		90
85)	1,3,5-trichlorobenzV	20.31	180	219179	21.054	ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	196370	22.157	ug/L		98
87)	hexachlorobutadieneV	21.09	225	95908	19.075	ug/L		98
88)	naphthaleneV	21.26	128	380120	19.153	ug/L		99
89)	1,2,3-trichlorobenzV	21.52	180	152180	19.835	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2710\SA082706.D Vial: 6
Acq On : 27 Aug 2010 12:11 pm Operator: KJP
Sample : LCSaA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 12:41 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2710\SA082707.D Vial: 7
Acq On : 27 Aug 2010 12:47 pm Operator: KJP
Sample : LCSDA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 13:25:33 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	422953	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	316950	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	143886	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	110845	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.81%			
35) SS 1,2-DCA-d4_MS	10.55	65	118283	8.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 89.08%			
48) SS toluene-d8_MS	14.13	98	401007	9.68	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.80%			
65) SS 4-BFB_MS	17.68	95	158686	10.14	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.37%			
83) SS 1,2-DCB-D4_MS	19.35	152	132176	9.81	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.05%			
90) SS 2,5-DBT_MS	22.73	250	235	4.21	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 10.52%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	291733	23.562	ug/L	99
3) chloromethane	2.87	50	219643	19.471	ug/L	99
4) vinyl chloride	2.99	62	119773	15.913	ug/L	98
5) bromomethane	3.56	94	123410	19.800	ug/L	99
6) chloroethane	3.67	64	119951	18.792	ug/L	98
7) trichlorofluoromethane	4.02	101	298567	20.512	ug/L	100
8) diethyl ether	4.47	59	128298	20.754	ug/L	93
9) 1,1,2-Trichlorotrifluoroet	4.69	101	138637	29.535	ug/L	98
11) acetone	4.80	43	40932	15.220	ug/L	95
12) 1,1-dichloroethene	5.00	96	151978	20.319	ug/L	91
13) tert-Butyl Alcohol (TBA)	5.15	59	62490	98.028	ug/L #	82
15) methylene chloride	5.89	84	182279	19.275	ug/L	88
16) carbon disulfide	5.90	76	428541	17.461	ug/L	100
17) acrylonitrile	6.14	53	58622	16.330	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	418067	20.580	ug/L	97
19) trans-1,2-dichloroethene	6.45	96	222422	21.931	ug/L	93
20) hexane	6.59	57	912	0.366	ug/L #	15
21) Isopropyl ether (DIPE)	7.10	45	629564	18.917	ug/L	97
22) vinyl acetate	7.34	43	366825	18.875	ug/L	96
23) 1,1-dichloroethane	7.32	63	402006	19.890	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	547366	19.845	ug/L	96
25) 2,2-dichloropropane	8.50	77	250226	19.040	ug/L	98
26) cis-1,2-dichloroethene	8.60	96	245635	20.960	ug/L	98
27) 2-butanone (MEK)	8.23	43	75565	16.933	ug/L	93
28) bromochloromethane	9.30	128	120515	21.043	ug/L	87
29) Tetrahydrofuran (THF)	9.38	42	48437	19.051	ug/L	94
30) chloroform	8.94	83	404543	20.462	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	305376	20.607	ug/L	97
33) carbon tetrachloride	10.37	117	253446	20.169	ug/L	98
34) 1,1-dichloropropene	10.17	75	266709	20.048	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	473995	22.397	ug/L #	80
37) benzene	10.78	78	859512	21.215	ug/L	96
38) 1,2-dichloroethane	10.77	62	308150	19.322	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2710\SA082707.D Vial: 7
Acq On : 27 Aug 2010 12:47 pm Operator: KJP
Sample : LCSDA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 13:25:33 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

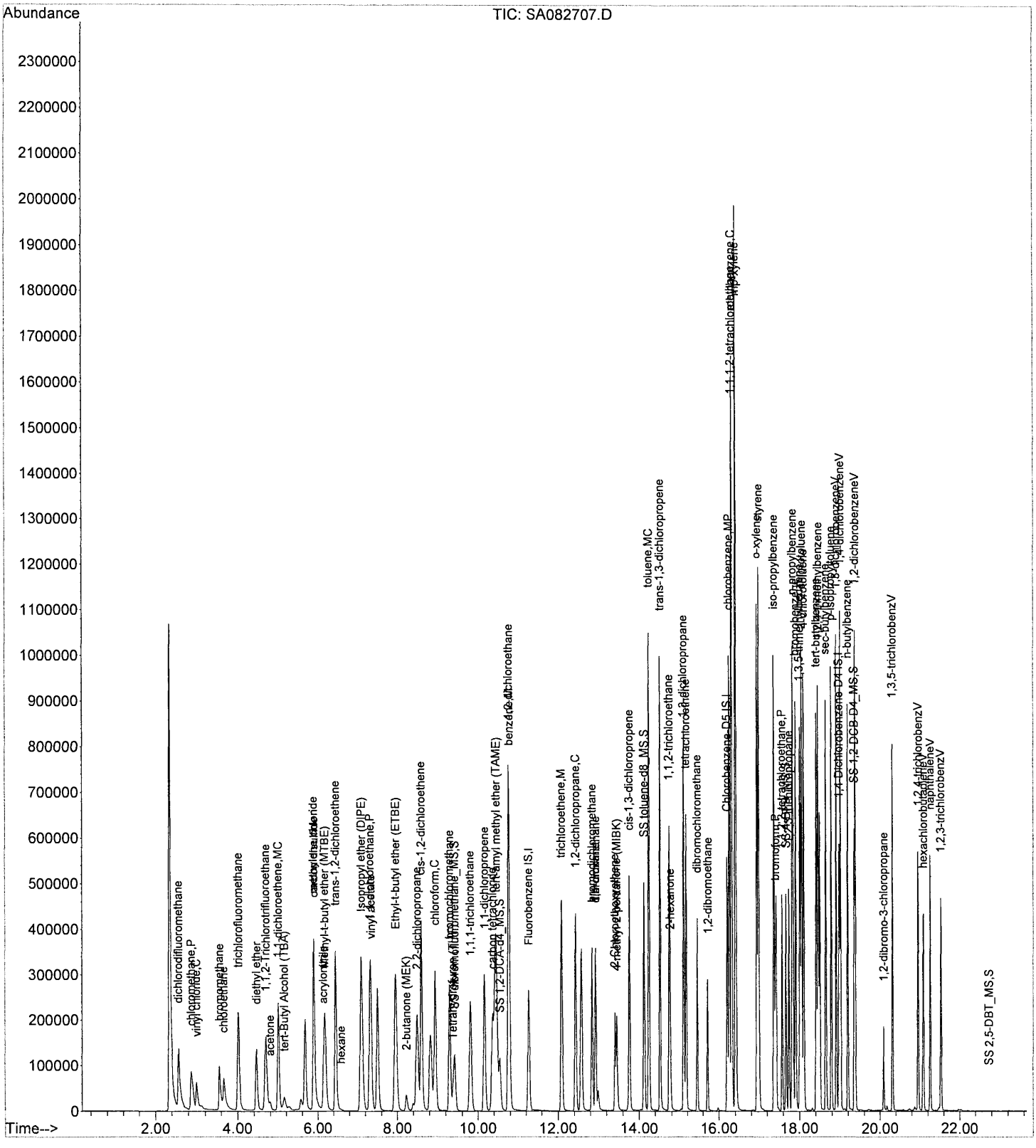
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.08	95	223185	20.781	ug/L		96
40)	1,2-dichloropropane	12.44	63	233758	19.707	ug/L		95
41)	1,4-dioxane	12.94	88	2641	30.174	ug/L	#	99
42)	dibromomethane	12.94	93	150384	20.655	ug/L		96
43)	bromodichloromethane	12.85	83	274187	18.028	ug/L		99
44)	2-Chloroethoxyethene	13.41	63	103784	16.383	ug/L		98
45)	4-methyl-2-pentanone (MIBK	13.45	58	72480	20.337	ug/L	#	65
46)	cis-1,3-dichloropropene	13.76	75	327720	20.511	ug/L		99
49)	toluene	14.24	91	889862	22.075	ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	292418	18.743	ug/L		97
51)	1,1,2-trichloroethane	14.74	83	174833	20.305	ug/L		99
52)	2-hexanone	14.76	43	112159	17.906	ug/L	#	92
53)	tetrachloroethene	15.16	166	215534	23.825	ug/L		96
54)	1,3-dichloropropane	15.10	76	332669	20.321	ug/L		98
55)	dibromochloromethane	15.45	129	215167	21.495	ug/L		100
56)	1,2-dibromoethane	15.72	107	202728	20.920	ug/L		99
57)	chlorobenzene	16.25	112	592419	21.328	ug/L		95
58)	1,1,1,2-tetrachloroethane	16.31	131	200089	22.426	ug/L		99
59)	ethylbenzene	16.32	91	864638	22.119	ug/L		100
60)	mp-xylene	16.41	106	651674	45.565	ug/L		97
61)	o-xylene	16.94	106	335057	22.705	ug/L		97
62)	styrene	16.99	104	600521	22.167	ug/L		96
63)	bromoform	17.41	173	134154	19.526	ug/L	#	97
64)	iso-propylbenzene	17.37	105	680117	24.566	ug/L		99
67)	bromobenzene	17.90	156	250394	21.397	ug/L		94
68)	1,1,2,2-tetrachloroethane	17.57	83	243158	18.869	ug/L		99
69)	1,2,3-trichloropropane	17.74	110	68391	19.284	ug/L		100
71)	n-propylbenzene	17.84	91	811206	21.724	ug/L		100
72)	2-chlorotoluene	18.05	91	607944	20.004	ug/L		98
73)	4-chlorotoluene	18.10	91	598811	20.885	ug/L		98
74)	1,3,5-trimethylbenzene	18.01	105	538494	21.655	ug/L		97
75)	tert-butylbenzene	18.42	119	453074m	22.033	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	577514	21.508	ug/L		98
77)	sec-butylbenzene	18.65	105	592491	21.707	ug/L		98
78)	1,3-dichlorobenzeneV	18.91	146	370007	21.190	ug/L		97
79)	p-isopropyltoluene	18.78	119	520645	22.662	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	387839	21.208	ug/L		95
81)	1,2-dichlorobenzeneV	19.38	146	369710	20.637	ug/L		98
82)	n-butylbenzene	19.19	91	458475	21.306	ug/L		97
84)	1,2-dibromo-3-chloropropan	20.10	75	34332	19.083	ug/L		95
85)	1,3,5-trichlorobenzV	20.31	180	223379	21.626	ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	201136	22.873	ug/L		98
87)	hexachlorobutadieneV	21.09	225	98693	19.783	ug/L		99
88)	naphthaleneV	21.26	128	407397	20.688	ug/L		99
89)	1,2,3-trichlorobenzV	21.52	180	159455	20.946	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2710\SA082707.D Vial: 7
Acq On : 27 Aug 2010 12:47 pm Operator: KJP
Sample : LCSDA082710VNH821 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 15:01 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



8260B
Volatile Organic Analysis

Sample Data

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

nQCBatch 73401134749

aQCPointers
BlnkA082510VNH821
LCSaA082510VNH821
LCSDA082510VNH821

aQCBatchMembers

91972.03
92049.03
92049.04P
92049.05
92049.07P
92049.1
92049.11
92049.12
92049.15
92049.21
92049.24
92049.25
73401134739.08P
73401134742.05
73401134742.06

4VID0723
All linear to 300ug/L (including VA, acrolein and 2CEVE) except: 1500ug/L for TBA; 600ug/L for MTBE and 1,4-dioxane; 400ug/L for mp-x; 200ug/L for gases, t13DCPE and iso-pb; 50ug/L for VC
Low point for VC is 0.2, Low point for 11DCE, 11DCA, PCE, HCBD, BDCM is 0.5.
Low point for cis- and trans-13DCPE 2ppb. Low level analysis for these analytes will need to be run under a different curve.

All avg RF except for:
22DCPA, CCl4, BDCM, 2CEVE, t-13DCPE, bromoform, 12DB3CPA, and 25DBT (linear regression)
Second source met 20% Dev. for all compounds except: Freon-113 and 1,4-dioxane (OOC high) which will need to be rerun under a curve in control for these compounds. 14-dioxane did not meet 8260 criteria for average RF or linear regression and is for qualitative purposes only. IM and CT compound not included in this calibration.

CV DEV -

bromomethane	20.000	15.063	24.7
acrolein	20.000	9.418	52.9
2-Chloroethoxyethene	20.000	15.469	22.7
1,4-dioxane	40.000	25.072	37.3
mp-xylene	40.000	48.869	-22.2
iso-propylbenzene	20.000	24.435	-22.2

Compounds listed not in samples above detection limit. Low point analyzed to support RLs for analytes with low recoveries. There is no impact to data for those compounds showing high recoveries since these analytes were not found in samples >RL.
92049.07 mp-x hit rerun. CV meets all 8260 criteria and is in control for mpx. All other QC also in control for mpx

IS areas ok
12h tune ok
pH<2 for all samples
MB in control
LCS/LCSD in control

92049.07 has iso-propylbenzene present.

GC/MS QA-QC Check Report

Tune File : Y:\1\DATA\AUG2510\SA082501.D
Tune Time : 25 Aug 2010 10:46 am

Daily Calibration File : Y:\1\DATA\AUG2510\SA082502.D

						368597	282728	135358

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA082502.D	STD 20 M	109	103	101	103	368597	282728	135358
		97	35*					
SA082503.D	STD 20 G	105	103	101	92	359080	275916	118832
		104	10*					
SA082504.D	STD 2	106	106	99	101	362697	276573	133246
		99	13*					
SA082505.D	MB	107	107	97	93	351847	272377	114190
		108	11*					
SA082506.D	LCS	107	102	100	102	377932	292794	134331
		100	0*					
SA082507.D	LCSD	106	102	99	102	380578	295997	143753
		95	0*					
SA082509.D	92072.03	105	104	96	88	349211	275794	115707
		105	0*					
SA082510.D	92049.03	106	102	97	91	356596	270415	114675
		105	0*					
SA082511.D	92049.04	111	106	96	93	345121	271501	116095
		109	0*					
SA082512.D	92049.05	109	108	97	92	336297	260449	108255
		112	0*					
SA082513.D	92049.07	108	105	95	95	346293	269452	118546
		103	0*					
SA082514.D	92049.10	109	108	94	91	337488	266731	111843
		107	0*					
SA082515.D	92049.11	112	111	98	91	323909	258695	107644
		111	0*					
SA082516.D	92049.12	115	112	97	89	322642	258500	107978
		111	0*					
SA082517.D	92049.15	113	112	95	89	320419	261458	105863
		110	0*					
SA082518.D	92049.21	112	110	95	90	327643	257387	105973
		111	0*					
SA082519.D	92049.24	112	113	95	90	324820	256247	106632
		109	0*					
SA082520.D	92049.25	114	113	96	90	315757	256548	108784
		108	0*					

t - fails 12hr time check * - fails criteria

Created: Thu Aug 26 08:29:50 2010 VOAMS4

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082510.D Vial: 10
Acq On : 25 Aug 2010 4:22 pm Operator: KJP
Sample : 92049.03 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:26:34 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	356596	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	270415	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	114675	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	99403	10.616 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.160%		
35) SS 1,2-DCA-d4_MS	10.551	65	114022	10.185 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.850%		
48) SS toluene-d8_MS	14.125	98	341078	9.650 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.500%		
65) SS 4-BFB_MS	17.676	95	122157	9.146 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 91.460%		
83) SS 1,2-DCB-D4_MS	19.354	152	112854	10.504 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.040%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
6) chloroethane	3.678	64	4425	0.822 ug/L #	87
8) diethyl ether	4.466	59	38466	7.380 ug/L	98
11) acetone	4.797	43	2852	1.258 ug/L #	82
13) tert-Butyl Alcohol (TBA)	5.163	59	2468	4.592 ug/L #	84
17) acrylonitrile	6.190	53	7431	2.455 ug/L #	41
18) Methyl-t-butyl ether (MTBE	6.190	73	545032	31.823 ug/L	98
29) Tetrahydrofuran (THF)	9.387	42	18081	8.435 ug/L	97
36) tert-amyl methyl ether (TA	10.472	73	34209	1.917 ug/L	93
37) benzene	10.780	78	39709	1.163 ug/L	92
41) 1,4-dioxane	12.903	88	819	11.099 ug/L #	86
57) chlorobenzene	16.260	112	67176	2.835 ug/L	99
80) 1,4-dichlorobenzeneV	19.011	146	14304	0.981 ug/L #	63

8/26/10

UGP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

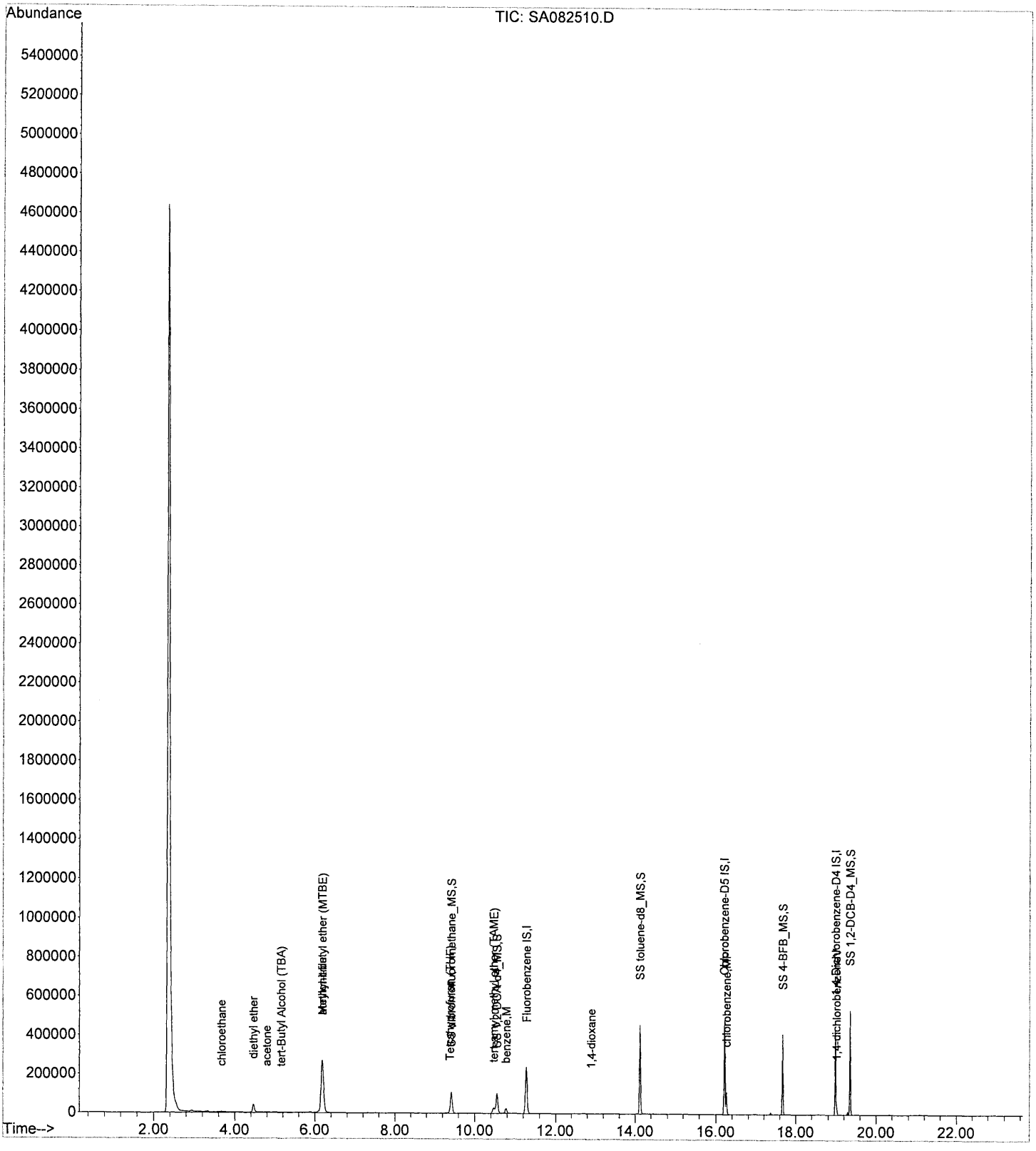
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082510.D
Acq On : 25 Aug 2010 4:22 pm
Sample : 92049.03
Misc : X1;5mL;RR
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:26 2010

Vial: 10
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082313.D Vial: 13
Acq On : 23 Aug 2010 4:56 pm Operator: KJP
Sample : 92049.03 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:08:27 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	284233	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	229330	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	96925	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	80097	10.732 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 107.320%	
35) SS 1,2-DCA-d4_MS	10.552	65	91999	10.310 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 103.100%	
48) SS toluene-d8_MS	14.125	98	279518	9.326 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 93.260%	
65) SS 4-BFB_MS	17.676	95	107540	9.494 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery	= 94.940%	
83) SS 1,2-DCB-D4_MS	19.354	152	98473	10.844 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 108.440%	
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery	= 0.000%#	
Target Compounds					Qvalue
6) chloroethane	3.667	64	3801	0.886 ug/L	93
8) diethyl ether	4.466	59	32622	7.853 ug/L	96
11) acetone	4.798	43	1619	0.896 ug/L #	82
13) tert-Butyl Alcohol (TBA)	5.163	59	2073	4.839 ug/L #	86
17) acrylonitrile	6.179	53	6960	2.885 ug/L #	41
18) Methyl-t-butyl ether (MTBE	6.179	73	462082	33.848 ug/L	98
29) Tetrahydrofuran (THF)	9.376	42	15849	9.276 ug/L	98
36) tert-amyl methyl ether (TA	10.460	73	32927	2.315 ug/L	98
37) benzene	10.769	78	35606	1.308 ug/L #	88 ↑LCSd
41) 1,4-dioxane	12.915	88	713	12.122 ug/L #	89
57) chlorobenzene	16.249	112	58327	2.902 ug/L	98
80) 1,4-dichlorobenzeneV	19.012	146	12594	1.022 ug/L #	66 ✓

8/25/10
KJP

BRX1 benzene

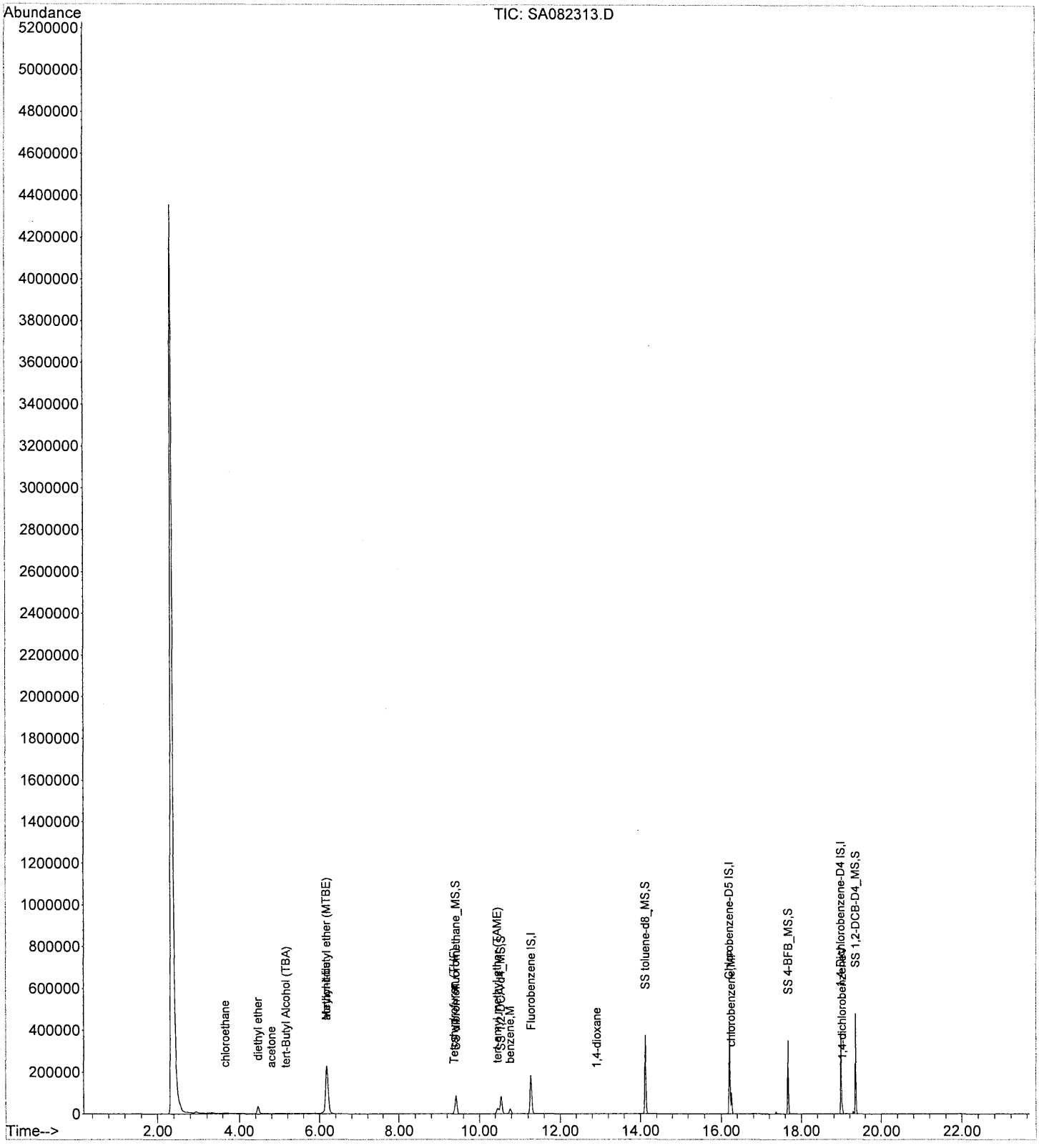
Rerun repeated all analytes

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082313.D 4VID0723.M Tue Aug 24 08:08:28 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082313.D Vial: 13
Acq On : 23 Aug 2010 4:56 pm Operator: KJP
Sample : 92049.03 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:08 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082511.D Vial: 11
Acq On : 25 Aug 2010 4:58 pm Operator: KJP
Sample : 92049.04 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:26:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	345121	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	271501	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	116095	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	100175	11.054 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.540%		
35) SS 1,2-DCA-d4_MS	10.552	65	114838	10.599 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.990%		
48) SS toluene-d8_MS	14.125	98	340123	9.585 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.850%		
65) SS 4-BFB_MS	17.676	95	125346	9.347 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 93.470%		
83) SS 1,2-DCB-D4_MS	19.354	152	118109	10.859 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.590%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
6) chloroethane	3.679	64	22808	4.379 ug/L	96
8) diethyl ether	4.467	59	146919	29.126 ug/L	92
11) acetone	4.798	43	3484	1.588 ug/L	93
13) tert-Butyl Alcohol (TBA)	5.152	59	9556	18.371 ug/L	97
29) Tetrahydrofuran (THF)	9.387	42	71546	34.487 ug/L	93
37) benzene	10.769	78	49850	1.508 ug/L #	91
41) 1,4-dioxane	12.915	88	4825	67.560 ug/L #	87 CCC in ICAL
57) chlorobenzene	16.249	112	68702	2.887 ug/L	98
64) iso-propylbenzene	17.368	105	9004	0.380 ug/L	97
80) 1,4-dichlorobenzeneV	19.012	146	12819	0.869 ug/L #	64

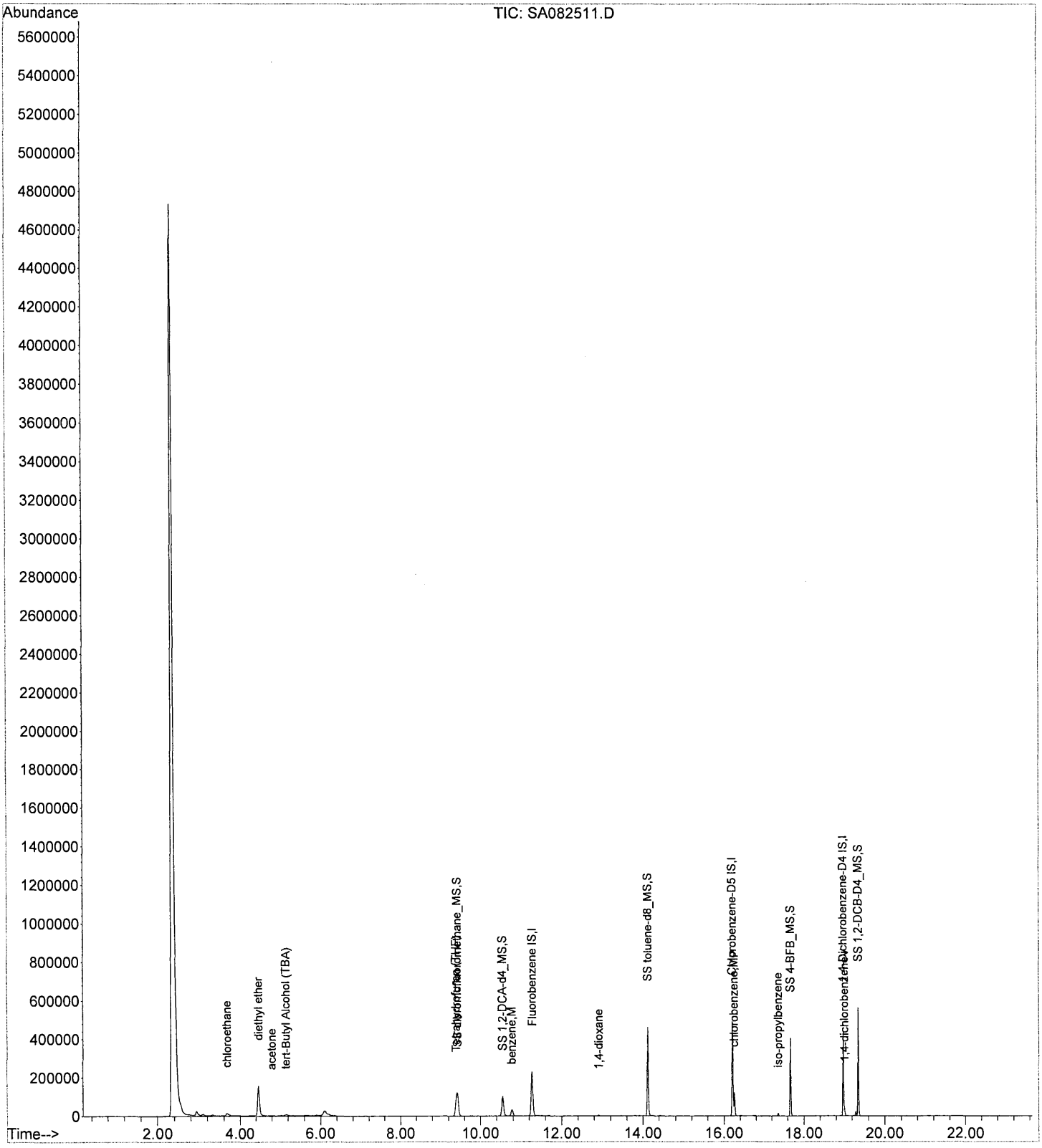
8/26/10
VGP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082511.D Vial: 11
Acq On : 25 Aug 2010 4:58 pm Operator: KJP
Sample : 92049.04 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:26 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082314.D Vial: 14
Acq On : 23 Aug 2010 5:32 pm Operator: KJP
Sample : 92049.04 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:08:31 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	271872	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	231655	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	98485	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	77653	10.877 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 108.770%	
35) SS 1,2-DCA-d4_MS	10.551	65	88664	10.388 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 103.880%	
48) SS toluene-d8_MS	14.125	98	277065	9.151 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 91.510%	
65) SS 4-BFB_MS	17.675	95	110001	9.614 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery	= 96.140%	
83) SS 1,2-DCB-D4_MS	19.354	152	98855	10.714 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 107.140%	
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery	= 0.000%#	
Target Compounds					Qvalue
6) chloroethane	3.678	64	20865	5.085 ug/L	98
8) diethyl ether	4.466	59	129483	32.586 ug/L	93
11) acetone	4.809	43	3810	2.204 ug/L	98
13) tert-Butyl Alcohol (TBA)	5.162	59	8161	19.916 ug/L	99
29) Tetrahydrofuran (THF)	9.375	42	61636	37.714 ug/L	95
37) benzene	10.780	78	42704	1.640 ug/L	92
41) 1,4-dioxane	12.903	88	4421	78.581 ug/L #	78
50) trans-1,3-dichloropropene	14.741	75	71	~~1.515 ug/L~~ #	53
57) chlorobenzene	16.260	112	58022	2.858 ug/L	100
64) iso-propylbenzene	17.367	105	8481	0.419 ug/L	91
80) 1,4-dichlorobenzeneV	19.011	146	10838	0.866 ug/L #	63

1 OOC LCSd
OOC inICAL

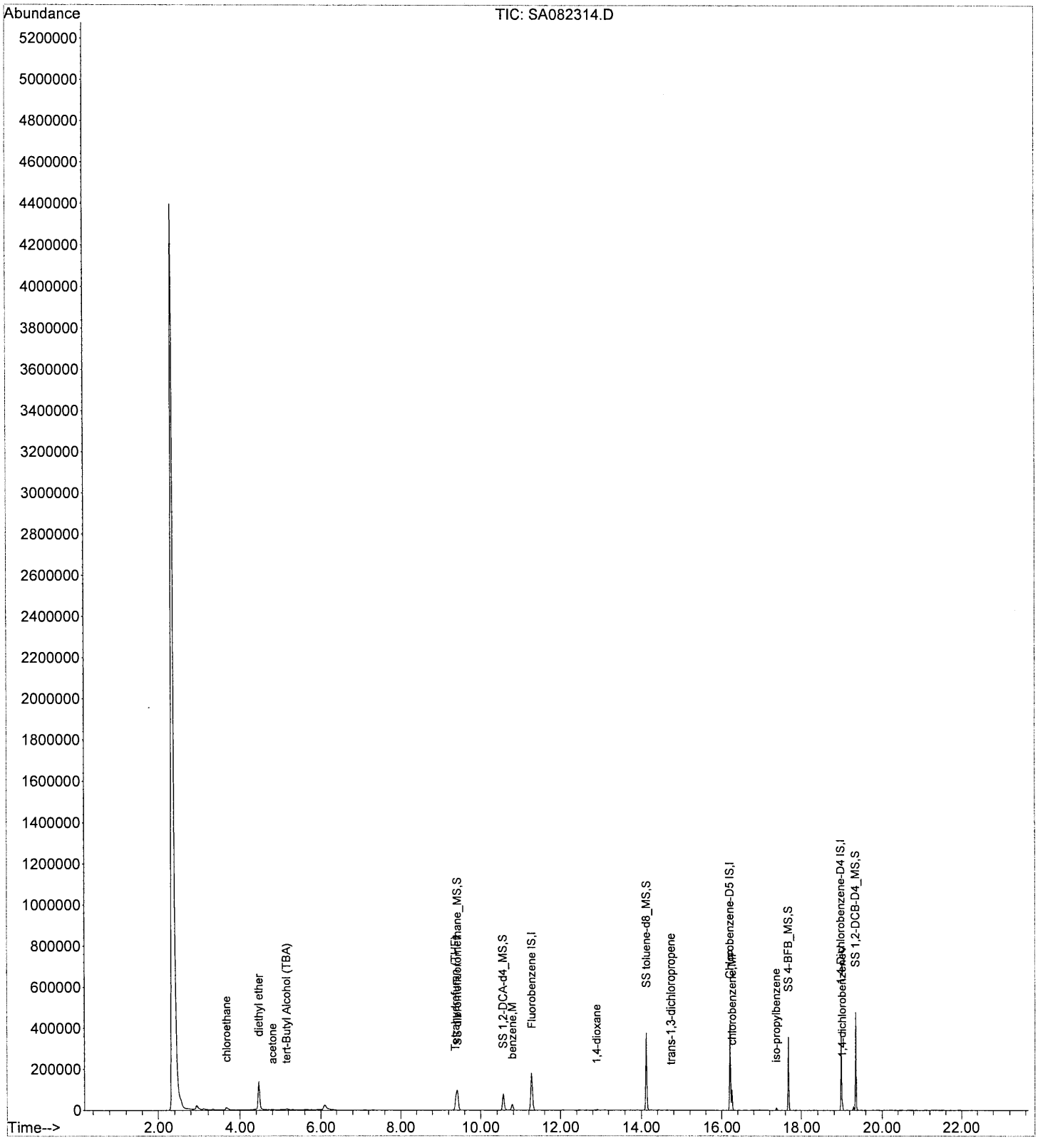
RRX1 benzene 8/25/10
Rerun reported all analytes

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082314.D 4VID0723.M Tue Aug 24 08:08:32 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082314.D Vial: 14
Acq On : 23 Aug 2010 5:32 pm Operator: KJP
Sample : 92049.04 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:08 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082512.D Vial: 12
Acq On : 25 Aug 2010 5:34 pm Operator: KJP
Sample : 92049.05 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:26:42 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	336297	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	260449	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	108255	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	96366	10.913 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.130%		
35) SS 1,2-DCA-d4_MS	10.552	65	114024	10.800 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.000%		
48) SS toluene-d8_MS	14.125	98	331183	9.729 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.290%		
65) SS 4-BFB_MS	17.676	95	118685	9.226 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 92.260%		
83) SS 1,2-DCB-D4_MS	19.354	152	113772	11.218 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 112.180%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.809	43	1855	0.867 ug/L #	81

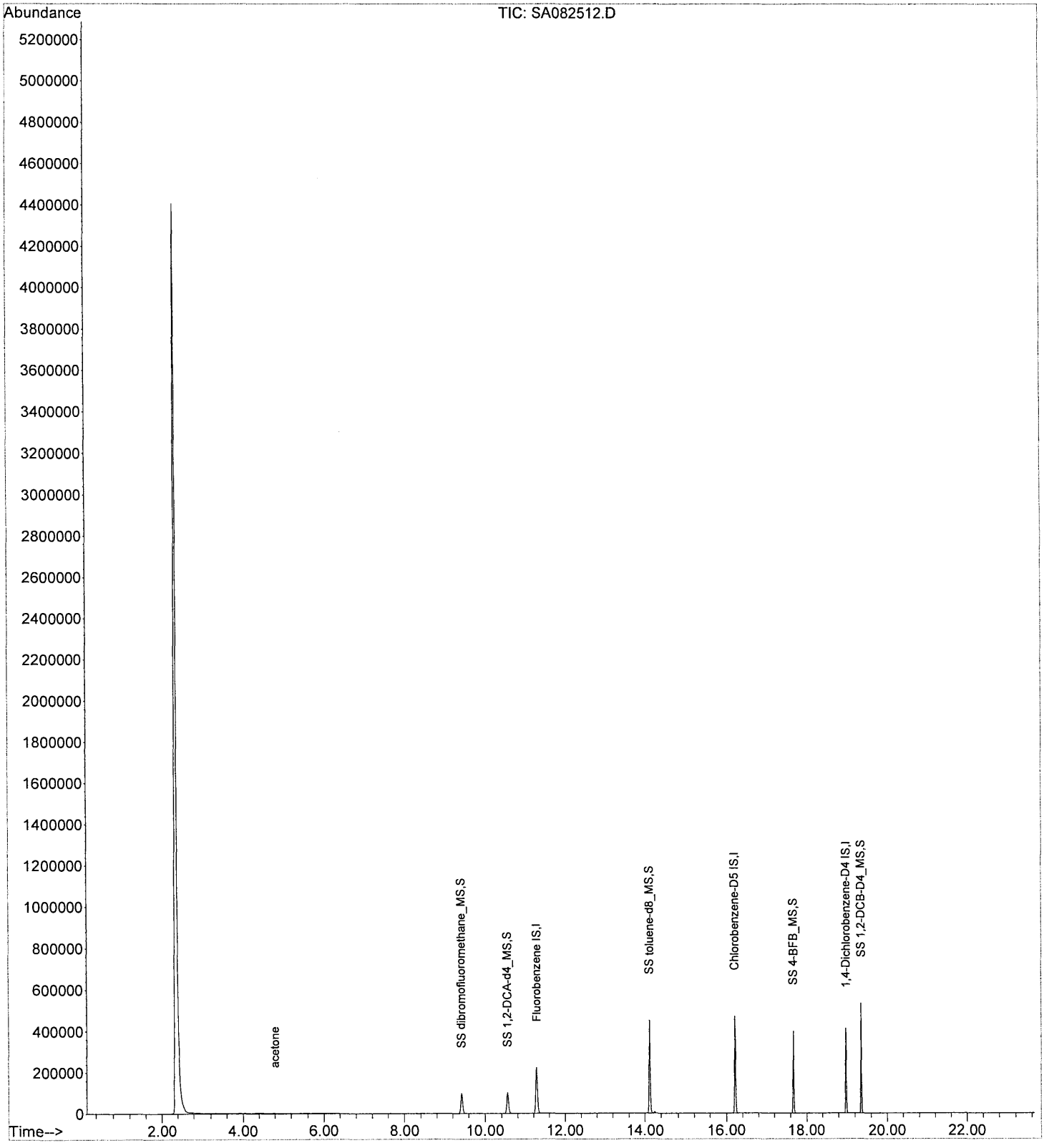
8/26/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082512.D 4VID0723.M Thu Aug 26 08:26:43 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082512.D Vial: 12
Acq On : 25 Aug 2010 5:34 pm Operator: KJP
Sample : 92049.05 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:26 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082315.D Vial: 15
Acq On : 23 Aug 2010 6:08 pm Operator: KJP
Sample : 92049.05 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:08:35 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	260839	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	226034	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	95274	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	76144	11.117 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.170%		
35) SS 1,2-DCA-d4_MS	10.551	65	89635	10.946 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.460%		
48) SS toluene-d8_MS	14.125	98	270983	9.173 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 91.730%		
65) SS 4-BFB_MS	17.675	95	105536	9.453 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 94.530%		
83) SS 1,2-DCB-D4_MS	19.354	152	96236	10.782 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.820%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.809	43	1803	1.087 ug/L	93
13) tert-Butyl Alcohol (TBA)	5.185	59	168	0.427 ug/L #	37

8/25/10
USP

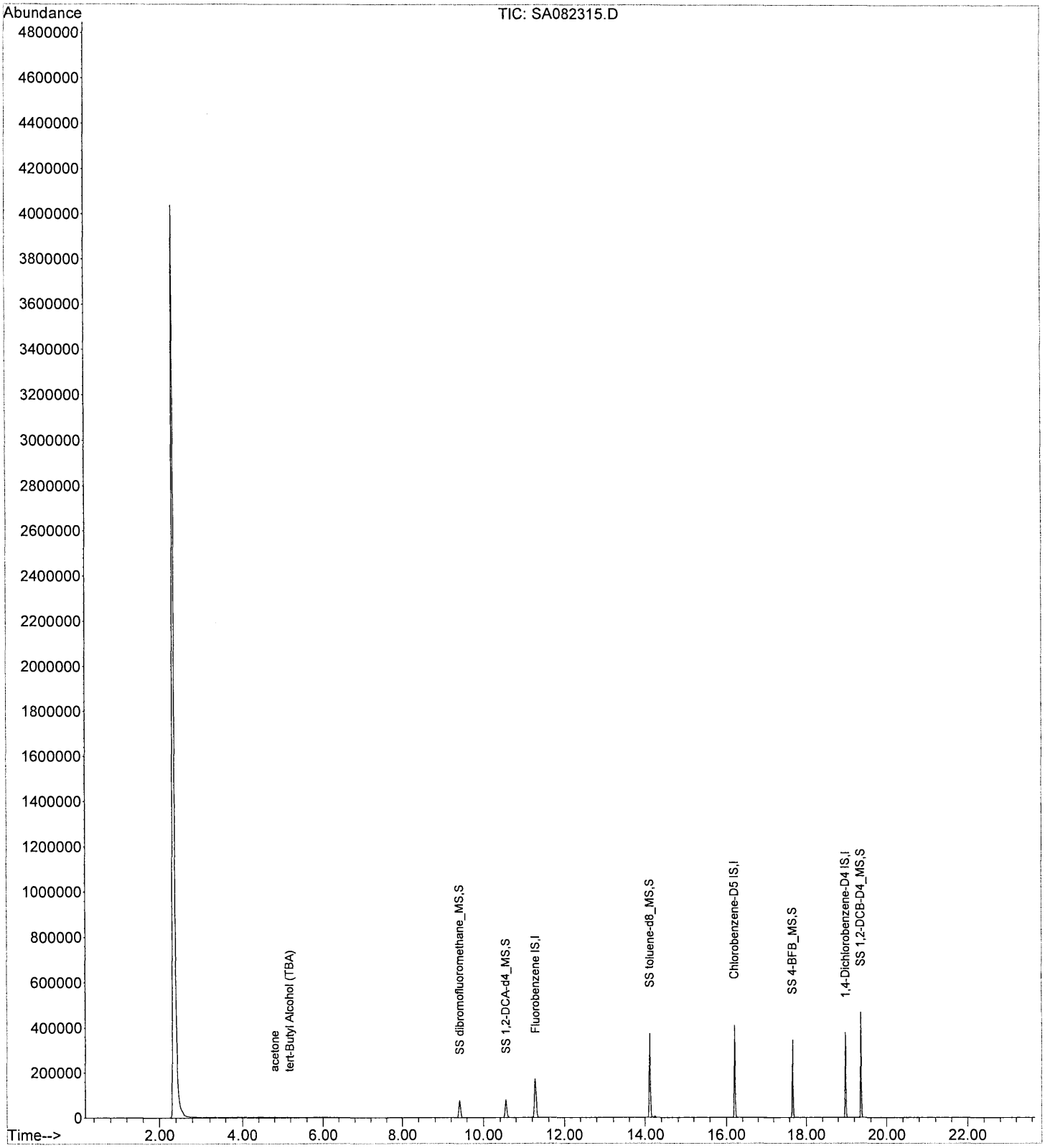
Rerun reported all analytes

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082315.D 4VID0723.M Tue Aug 24 08:08:36 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082315.D Vial: 15
Acq On : 23 Aug 2010 6:08 pm Operator: KJP
Sample : 92049.05 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:08 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082513.D Vial: 13
Acq On : 25 Aug 2010 6:10 pm Operator: KJP
Sample : 92049.07 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:26:46 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	346293	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	269452	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	118546	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	98072	10.785 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.850%		
35) SS 1,2-DCA-d4_MS	10.551	65	113652	10.454 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.540%		
48) SS toluene-d8_MS	14.125	98	335106	9.515 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.150%		
65) SS 4-BFB_MS	17.675	95	126804	9.528 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.280%		
83) SS 1,2-DCB-D4_MS	19.354	152	114169	10.280 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.800%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
6) chloroethane	3.667	64	48493	9.279 ug/L	98
8) diethyl ether	4.466	59	122136	24.131 ug/L	93
11) acetone	4.809	43	3200	1.453 ug/L	94
13) tert-Butyl Alcohol (TBA)	5.174	59	4276	8.193 ug/L	90
18) Methyl-t-butyl ether (MTBE	6.190	73	19429	1.168 ug/L #	94
23) 1,1-dichloroethane	7.320	63	6255	0.378 ug/L	99
29) Tetrahydrofuran (THF)	9.387	42	37671	18.097 ug/L	97
37) benzene	10.780	78	103216	3.112 ug/L	93
41) 1,4-dioxane	12.915	88	3529	49.246 ug/L #	84 OOC in ICAL
52) 2-hexanone	14.650	43	3740	0.702 ug/L #	24
57) chlorobenzene	16.260	112	45622	1.932 ug/L	97
60) mp-xylene	16.420	106	44470	3.657 ug/L	100 ↑CV
64) iso-propylbenzene	17.367	105	27860	1.184 ug/L	99 ↑inCV
76) 1,2,4-trimethylbenzene	18.463	105	10915	0.493 ug/L	95
80) 1,4-dichlorobenzeneV	19.011	146	18981	1.260 ug/L #	69 ✓

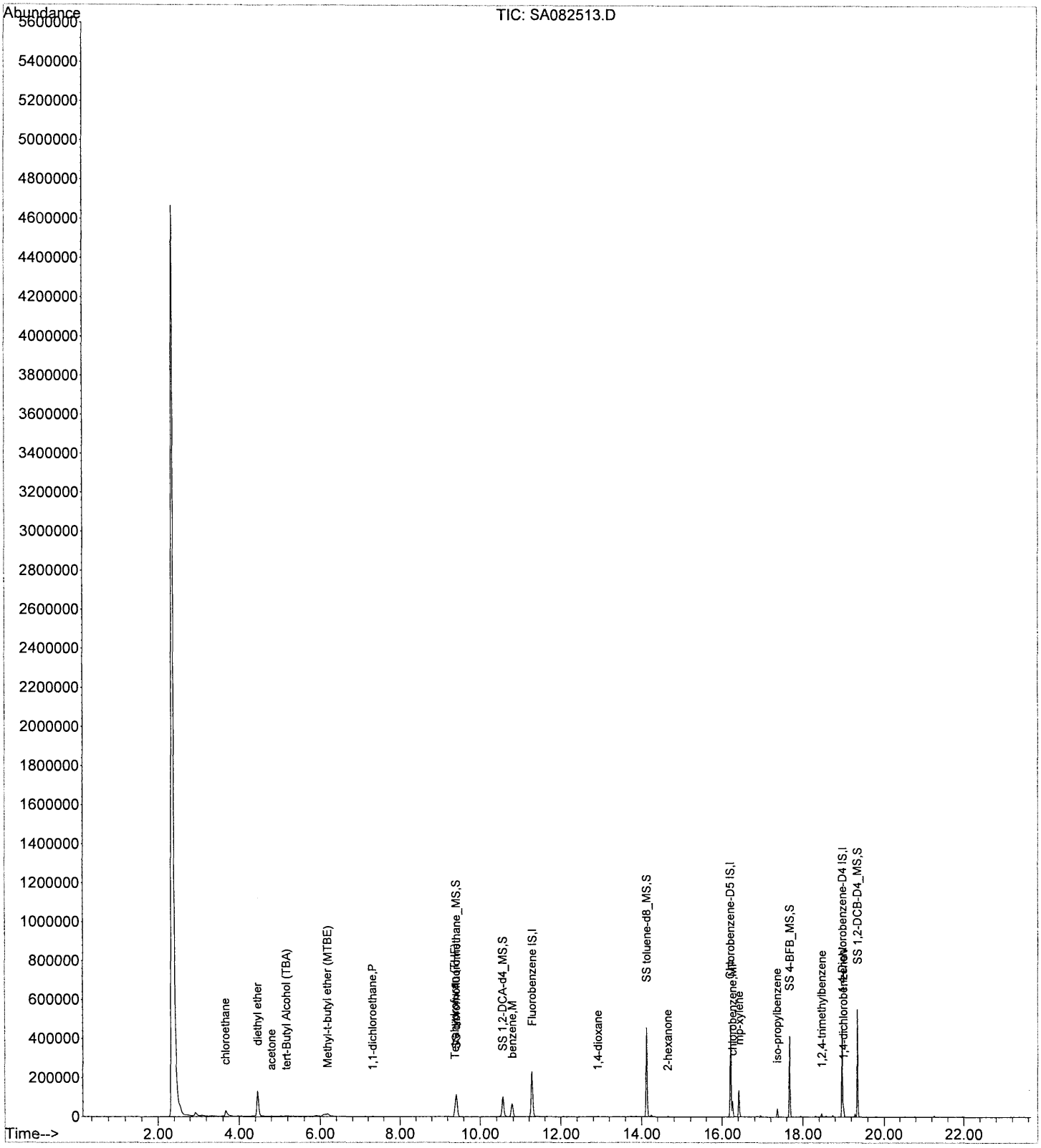
use original run for mpx 8/26/10 WDS
IPB

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082513.D Vial: 13
Acq On : 25 Aug 2010 6:10 pm Operator: KJP
Sample : 92049.07 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:26 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082316.D Vial: 16
Acq On : 23 Aug 2010 6:44 pm Operator: KJP
Sample : 92049.07 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:08:39 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.271	96	269239	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	231665	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	104104	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	78211	11.063 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 110.630%	
35) SS 1,2-DCA-d4_MS	10.551	65	88636	10.487 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 104.870%	
48) SS toluene-d8_MS	14.125	98	272128	8.988 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 89.880%	
65) SS 4-BFB_MS	17.676	95	111193	9.718 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery	= 97.180%	
83) SS 1,2-DCB-D4_MS	19.354	152	98883	10.138 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 101.380%	
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery	= 0.000%#	
Target Compounds					Qvalue
6) chloroethane	3.667	64	48697	11.985 ug/L	96
8) diethyl ether	4.466	59	109225	27.756 ug/L	93
11) acetone	4.786	43	2936	1.715 ug/L #	84
13) tert-Butyl Alcohol (TBA)	5.163	59	4133	10.185 ug/L	90
18) Methyl-t-butyl ether (MTBE	6.190	73	18115	1.401 ug/L #	89
23) 1,1-dichloroethane	7.320	63	5235	0.407 ug/L	91
29) Tetrahydrofuran (THF)	9.387	42	36962	22.838 ug/L	95
37) benzene	10.768	78	90969	3.527 ug/L	91 ↑OOC LCSd
41) 1,4-dioxane	12.915	88	2941	52.786 ug/L #	71 OOC LCAL
52) 2-hexanone	14.650	43	3746	0.818 ug/L #	25
57) chlorobenzene	16.248	112	39627	1.952 ug/L	99
60) mp-xylene	16.420	106	39537	3.782 ug/L	97
64) iso-propylbenzene	17.367	105	26405	1.305 ug/L	97
76) 1,2,4-trimethylbenzene	18.463	105	10476	0.539 ug/L	90
80) 1,4-dichlorobenzeneV	19.011	146	15628	1.181 ug/L #	66 ✓

RRX1 benzene

8/25/10
KJP

mpX only
HBIPB

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082316.D 4VID0723.M Tue Aug 24 08:08:40 2010

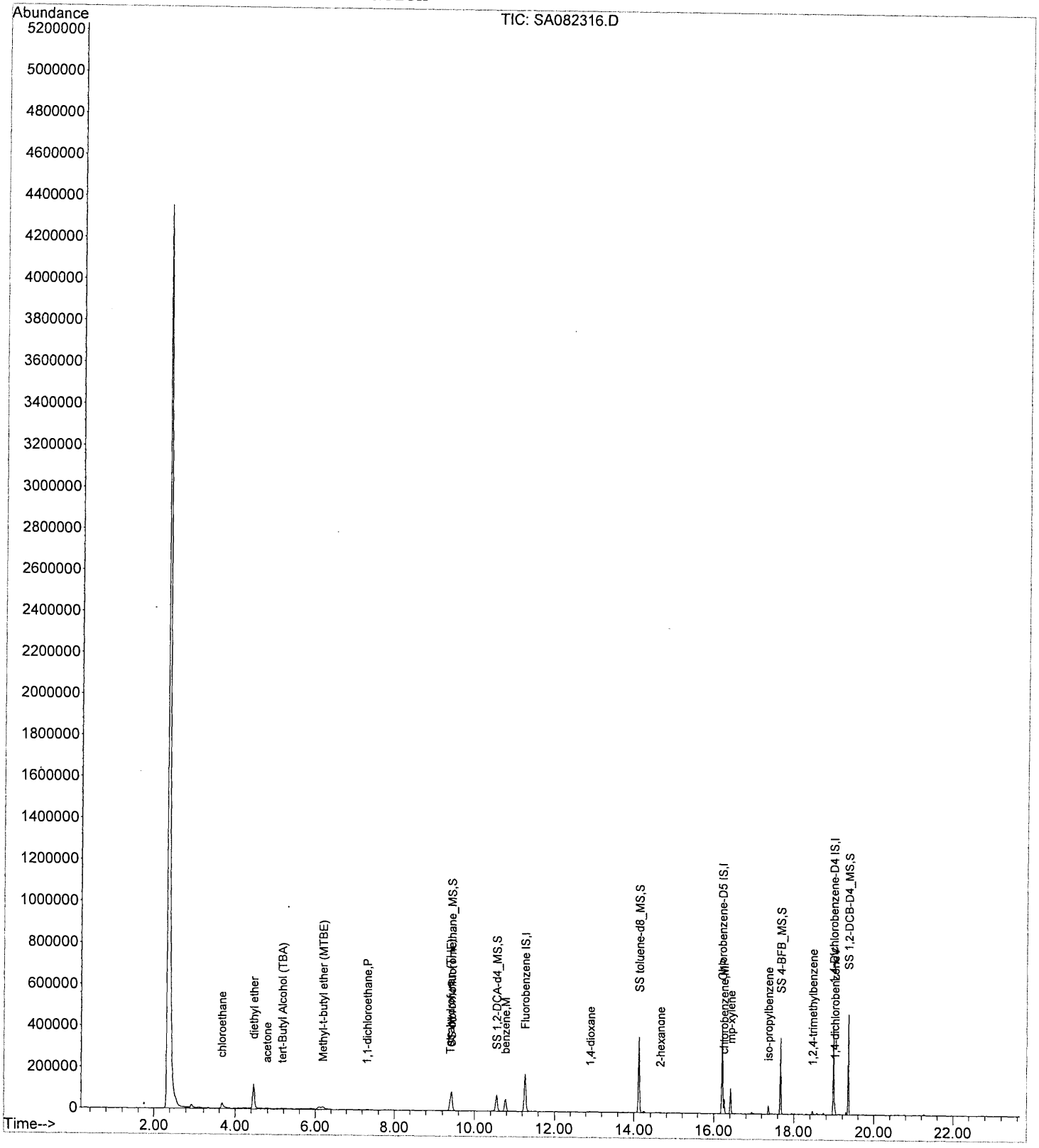
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082316.D
Acq On : 23 Aug 2010 6:44 pm
Sample : 92049.07
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:08 2010

Vial: 16
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082514.D Vial: 14
Acq On : 25 Aug 2010 6:46 pm Operator: KJP
Sample : 92049.10 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:26:50 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	337488	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	266731	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	111843	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	96184	10.854 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.540%		
35) SS 1,2-DCA-d4_MS	10.552	65	114117	10.771 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.710%		
48) SS toluene-d8_MS	14.125	98	328506	9.423 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.230%		
65) SS 4-BFB_MS	17.676	95	119833	9.096 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 90.960%		
83) SS 1,2-DCB-D4_MS	19.354	152	112043	10.693 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.930%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.797	43	2906	1.354 ug/L	99

8/26/10
KJP

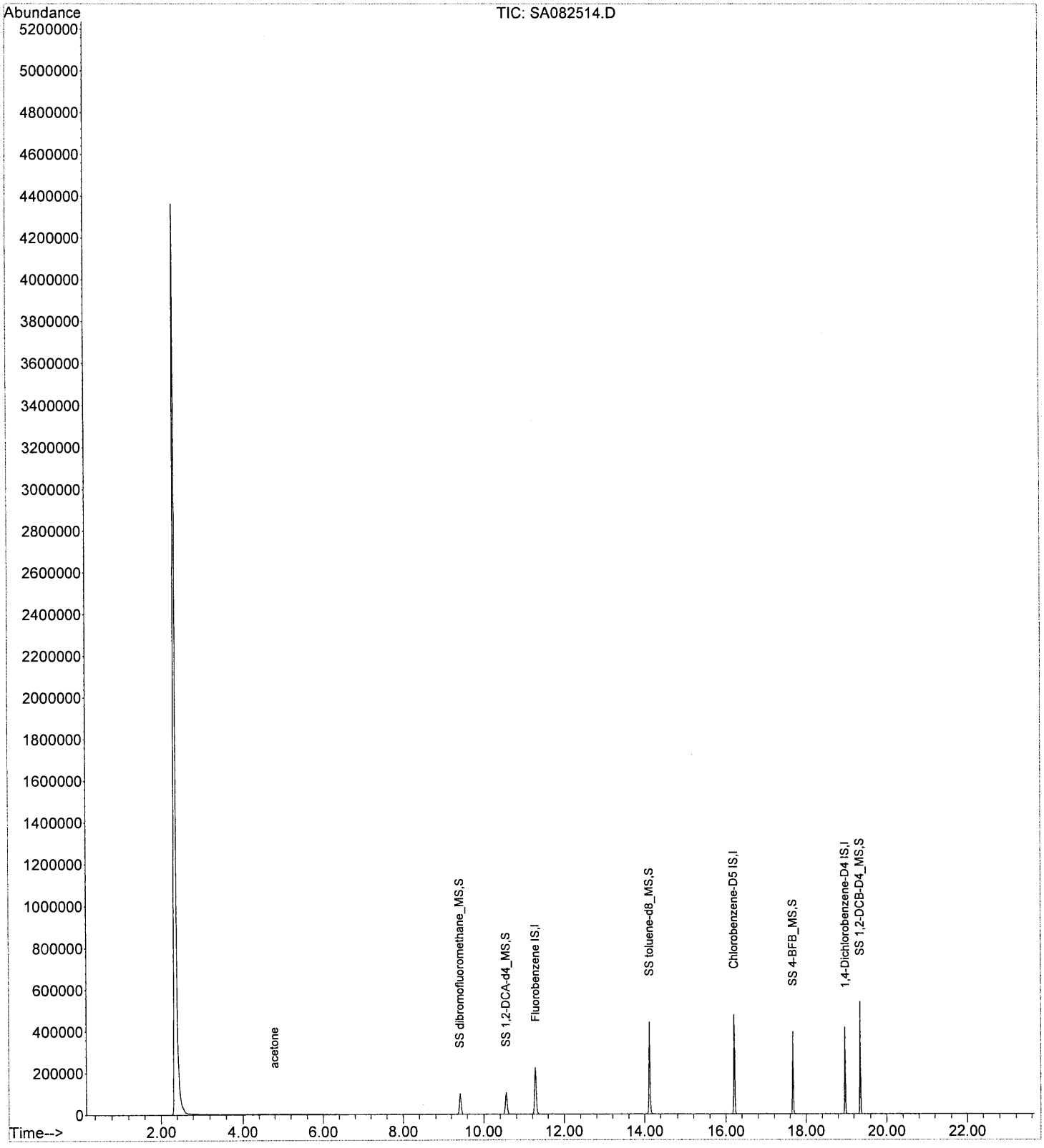
2R reported all analytes

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082514.D Vial: 14
Acq On : 25 Aug 2010 6:46 pm Operator: KJP
Sample : 92049.10 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:26 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082317.D Vial: 17
Acq On : 23 Aug 2010 7:20 pm Operator: KJP
Sample : 92049.10 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:08:43 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	254220	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	224981	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	97520	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	75848	11.362 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 113.620%		
35) SS 1,2-DCA-d4_MS	10.551	65	86335	10.818 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.180%		
48) SS toluene-d8_MS	14.125	98	268244	9.122 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 91.220%		
65) SS 4-BFB_MS	17.676	95	105002	9.449 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 94.490%		
83) SS 1,2-DCB-D4_MS	19.354	152	100948	11.049 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.490%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.786	43	2276	1.408 ug/L #	81

8/25/10
MSP

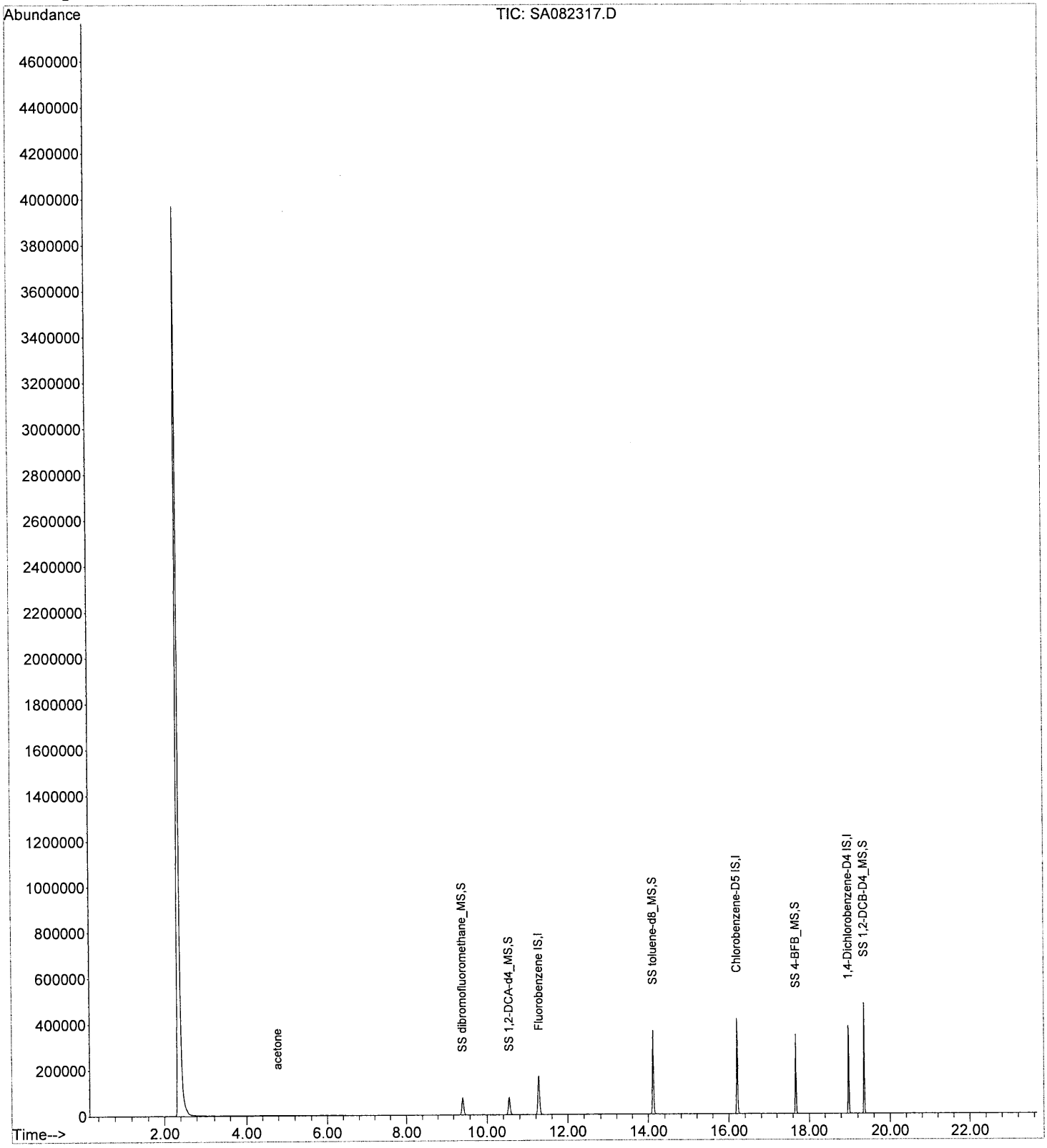
Rerun reported
all analytes

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082317.D 4VID0723.M Tue Aug 24 08:08:44 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082317.D Vial: 17
Acq On : 23 Aug 2010 7:20 pm Operator: KJP
Sample : 92049.10 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:08 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082515.D Vial: 15
Acq On : 25 Aug 2010 7:22 pm Operator: KJP
Sample : 92049.11 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:26:54 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	323909	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	258695	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	107644	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	95114	11.183 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.830%		
35) SS 1,2-DCA-d4_MS	10.551	65	112796	11.093 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.930%		
48) SS toluene-d8_MS	14.125	98	330247	9.767 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.670%		
65) SS 4-BFB_MS	17.676	95	116532	9.120 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 91.200%		
83) SS 1,2-DCB-D4_MS	19.354	152	111917	11.097 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.970%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.786	43	1766	0.857 ug/L #	55

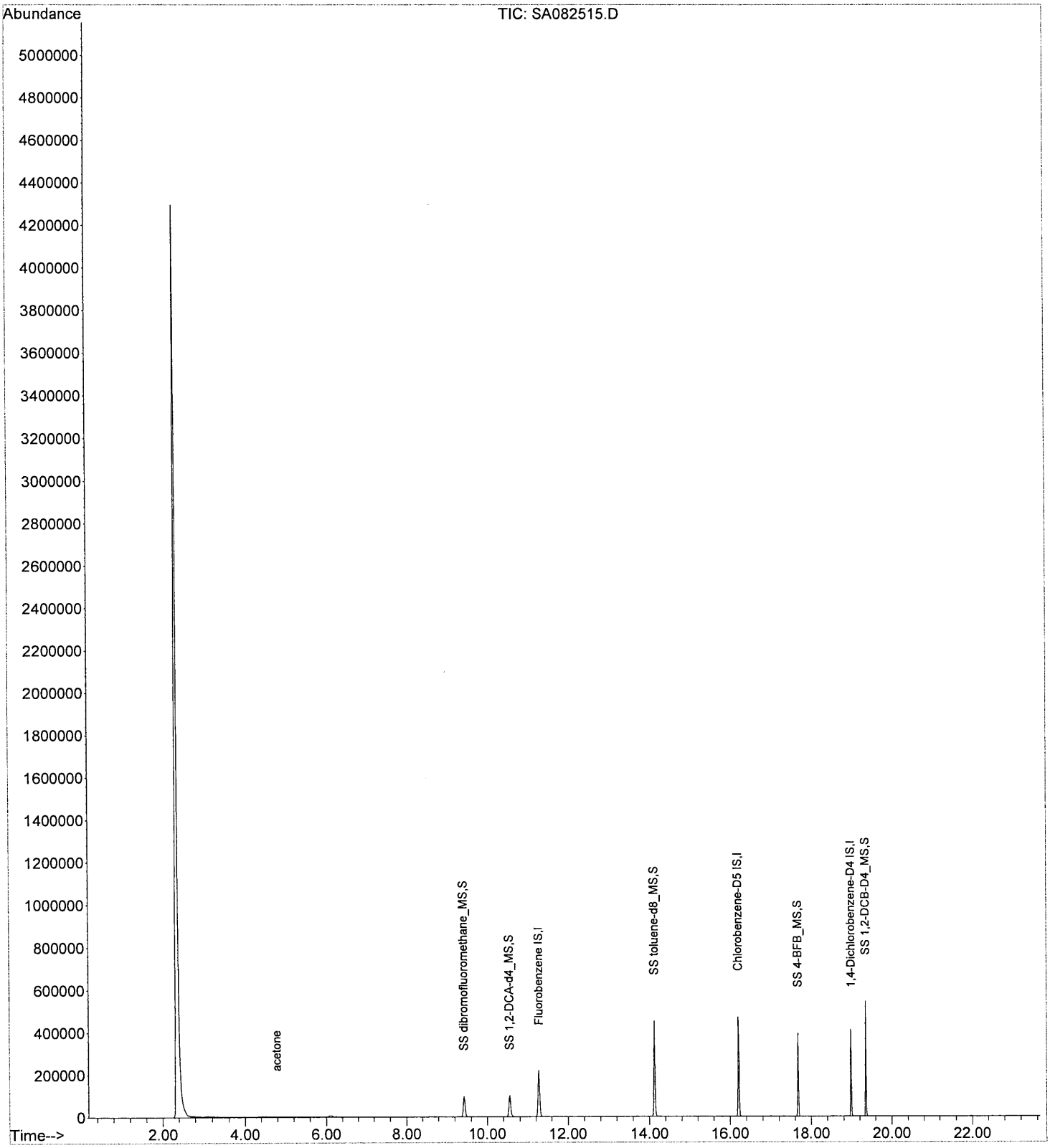
8/26/10
WSP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082515.D Vial: 15
Acq On : 25 Aug 2010 7:22 pm Operator: KJP
Sample : 92049.11 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:26 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082318.D Vial: 18
Acq On : 23 Aug 2010 7:57 pm Operator: KJP
Sample : 92049.11 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:08:47 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.271	96	248443	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	225786	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	95556	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.421	111	75714	11.606	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 116.060%			
35) SS 1,2-DCA-d4_MS	10.552	65	85079	10.908	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.080%			
48) SS toluene-d8_MS	14.125	98	265430	8.995	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 89.950%			
65) SS 4-BFB_MS	17.676	95	103336	9.266	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 92.660%			
83) SS 1,2-DCB-D4_MS	19.354	152	95207	10.635	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.350%			
90) SS 2,5-DBT_MS	0.000	250	0	0.000	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#			
Target Compounds						Qvalue
11) acetone	4.809	43	2293	1.452	ug/L	94

Rerun reported all analytes

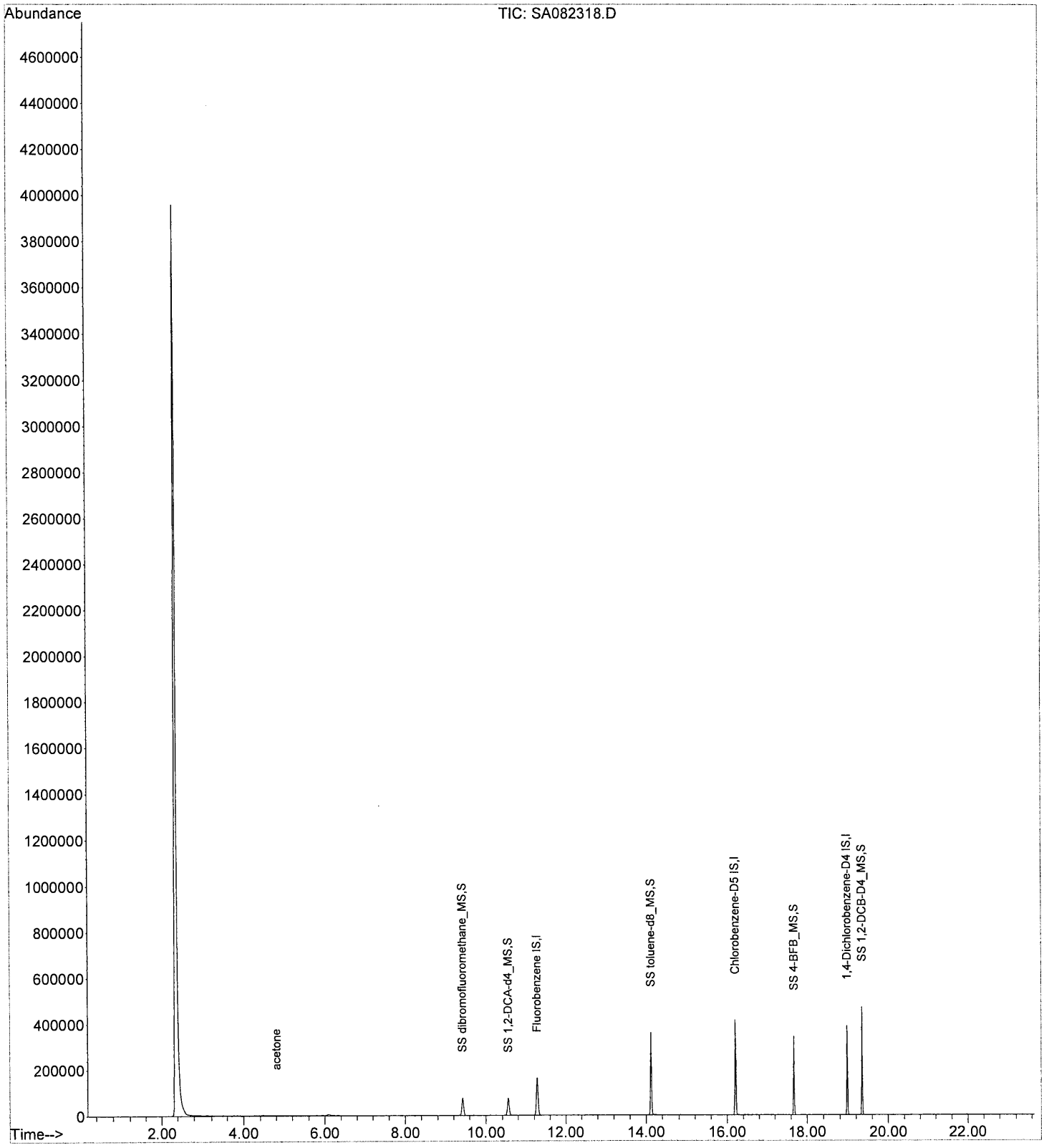
8/25/10
MGP

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082318.D 4VID0723.M Tue Aug 24 08:08:48 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082318.D Vial: 18
Acq On : 23 Aug 2010 7:57 pm Operator: KJP
Sample : 92049.11 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:08 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082516.D Vial: 16
Acq On : 25 Aug 2010 7:58 pm Operator: KJP
Sample : 92049.12 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:26:58 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	322642	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	258500	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	107978	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.421	111	97162	11.469	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 114.690%			
35) SS 1,2-DCA-d4_MS	10.552	65	113575	11.213	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 112.130%			
48) SS toluene-d8_MS	14.125	98	326281	9.657	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.570%			
65) SS 4-BFB_MS	17.676	95	113825	8.915	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 89.150%			
83) SS 1,2-DCB-D4_MS	19.354	152	112377	11.109	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.090%			
90) SS 2,5-DBT_MS	0.000	250	0	0.000	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#			
Target Compounds						Qvalue
11) acetone	4.786	43	1608	0.784	ug/L #	78

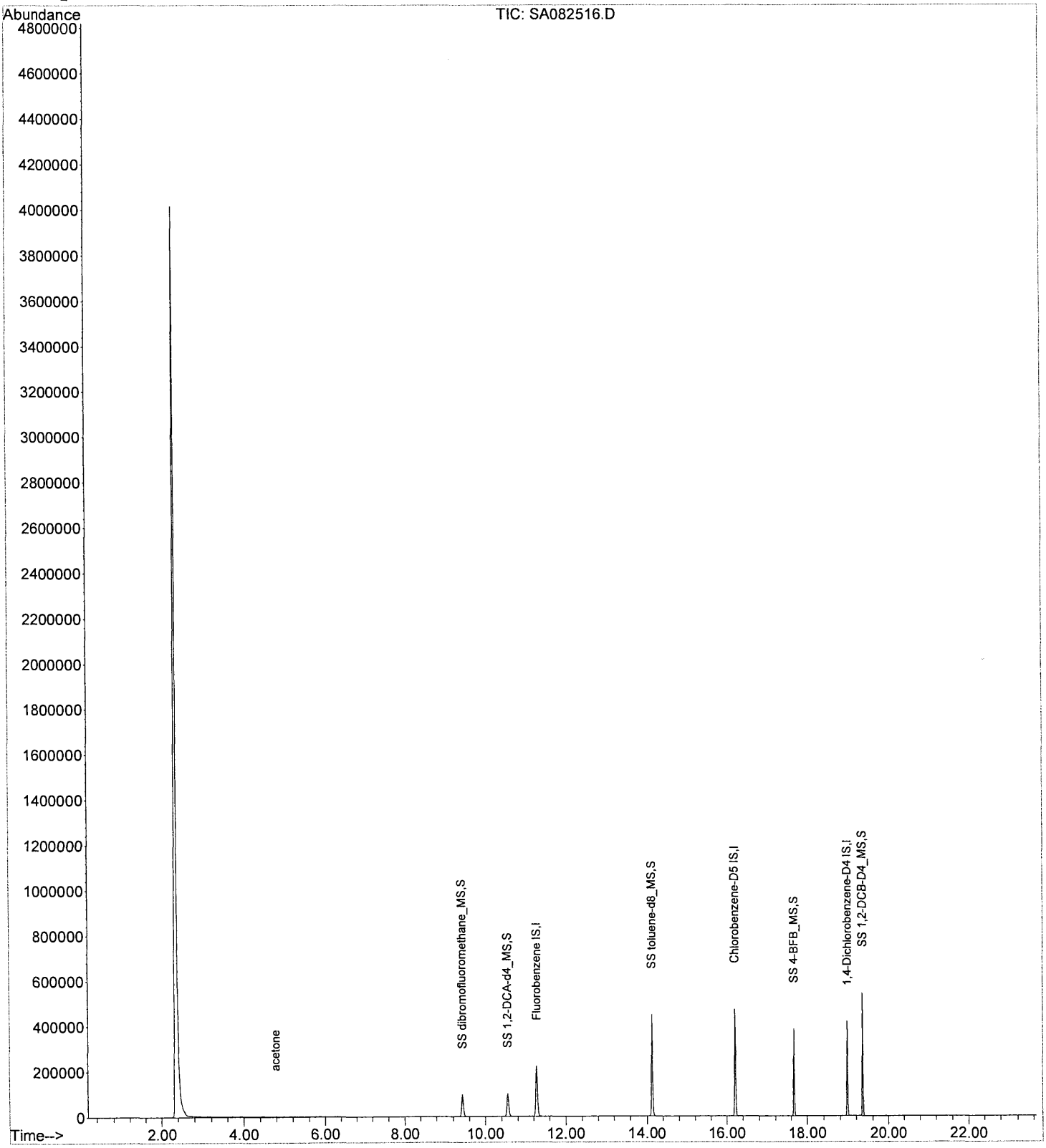
8/26/10
WSP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082516.D Vial: 16
Acq On : 25 Aug 2010 7:58 pm Operator: KJP
Sample : 92049.12 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:26 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082319.D Vial: 19
Acq On : 23 Aug 2010 8:33 pm Operator: KJP
Sample : 92049.12 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:08:51 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	243882	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	222711	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	96486	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	74734	11.670 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 116.700%		
35) SS 1,2-DCA-d4_MS	10.551	65	85749	11.200 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 112.000%		
48) SS toluene-d8_MS	14.125	98	259944	8.930 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 89.300%		
65) SS 4-BFB_MS	17.676	95	101344	9.213 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 92.130%		
83) SS 1,2-DCB-D4_MS	19.354	152	97307	10.765 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.650%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.786	43	1704	1.099 ug/L #	77

rerun reported
all analytes

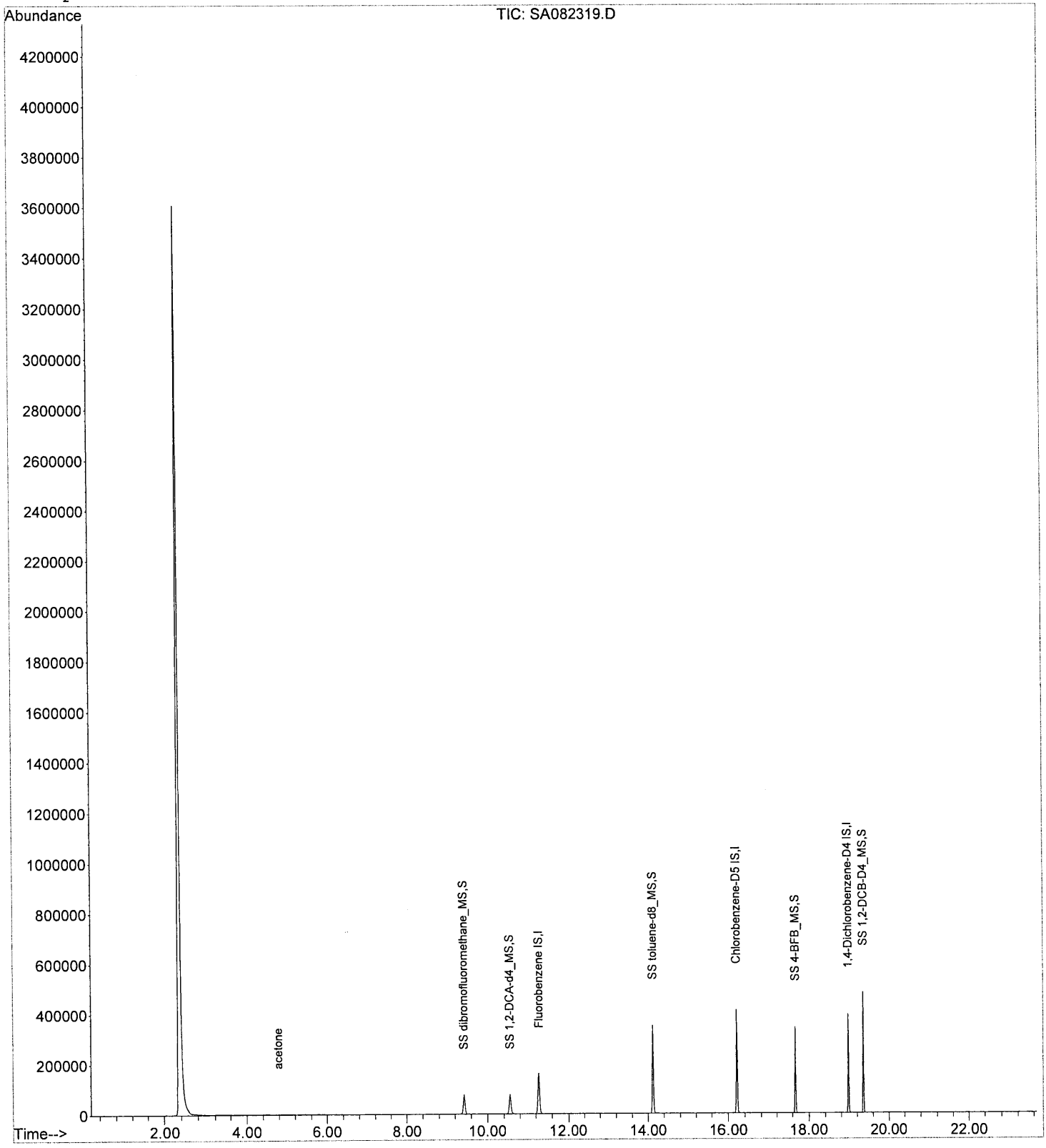
8/25/10
WOP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082319.D Vial: 19
Acq On : 23 Aug 2010 8:33 pm Operator: KJP
Sample : 92049.12 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:08 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082517.D Vial: 17
Acq On : 25 Aug 2010 8:34 pm Operator: KJP
Sample : 92049.15 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:02 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	320419	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	261458	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	105863	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	95223	11.318 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 113.180%		
35) SS 1,2-DCA-d4_MS	10.551	65	112219	11.156 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.560%		
48) SS toluene-d8_MS	14.125	98	324571	9.498 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.980%		
65) SS 4-BFB_MS	17.676	95	115386	8.935 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 89.350%		
83) SS 1,2-DCB-D4_MS	19.354	152	108831	10.973 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.730%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.797	43	1775	0.871 ug/L #	78

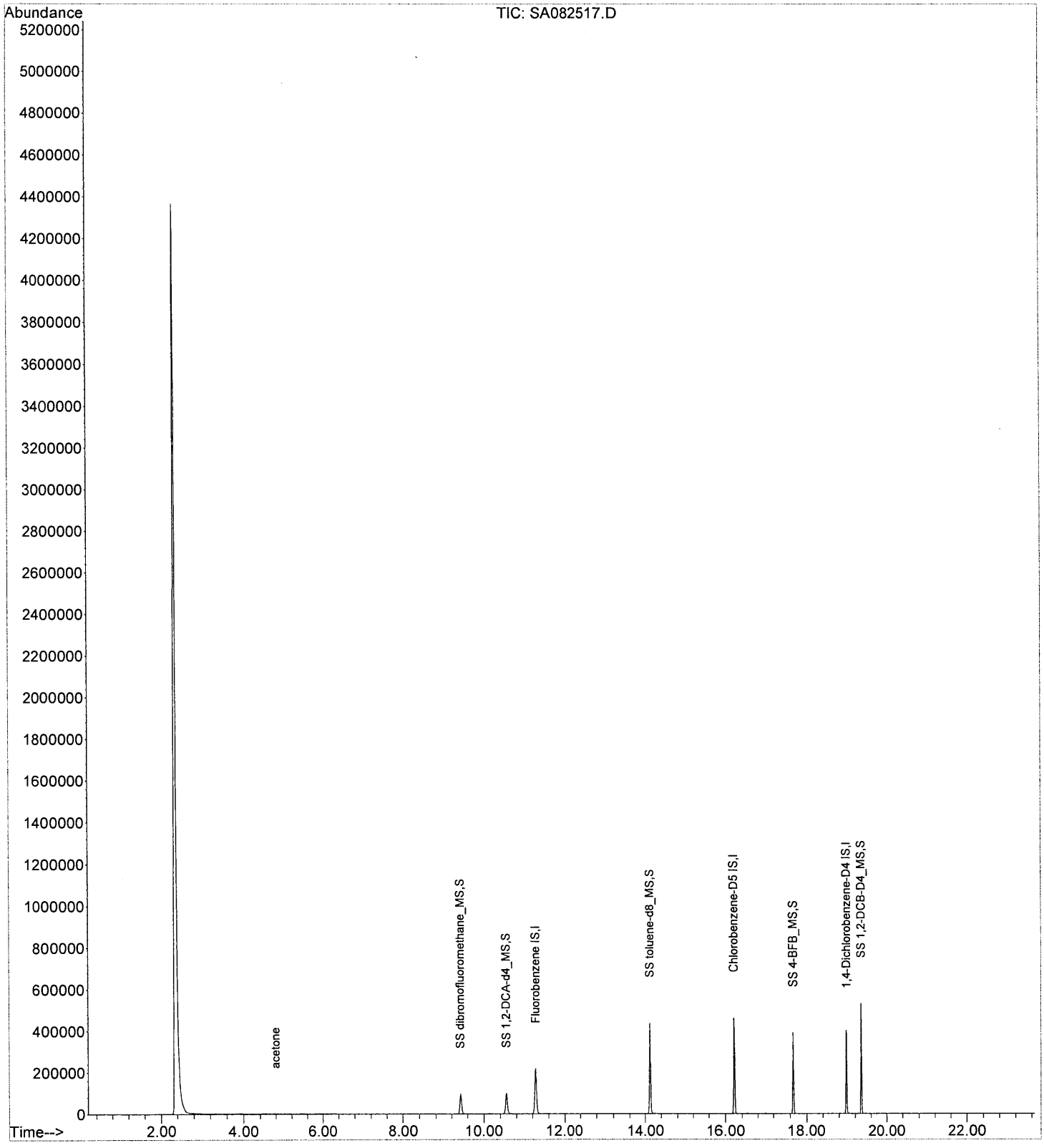
8/26/10
VSP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082517.D Vial: 17
Acq On : 25 Aug 2010 8:34 pm Operator: KJP
Sample : 92049.15 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:27 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082327.D Vial: 27
Acq On : 24 Aug 2010 1:21 am Operator: KJP
Sample : 92049.15 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:08:55 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	227521	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	223959	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	99021	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	71216	11.920 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 119.200%		
35) SS 1,2-DCA-d4_MS	10.552	65	81103	11.355 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 113.550%		
48) SS toluene-d8_MS	14.125	98	249285	8.516 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 85.160%		
65) SS 4-BFB_MS	17.676	95	106523	9.630 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.300%		
83) SS 1,2-DCB-D4_MS	19.354	152	101269	10.916 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.160%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
5) bromomethane	3.622	94	1603	0.478 ug/L #	65
11) acetone	4.786	43	1743	1.205 ug/L #	61

RRx1

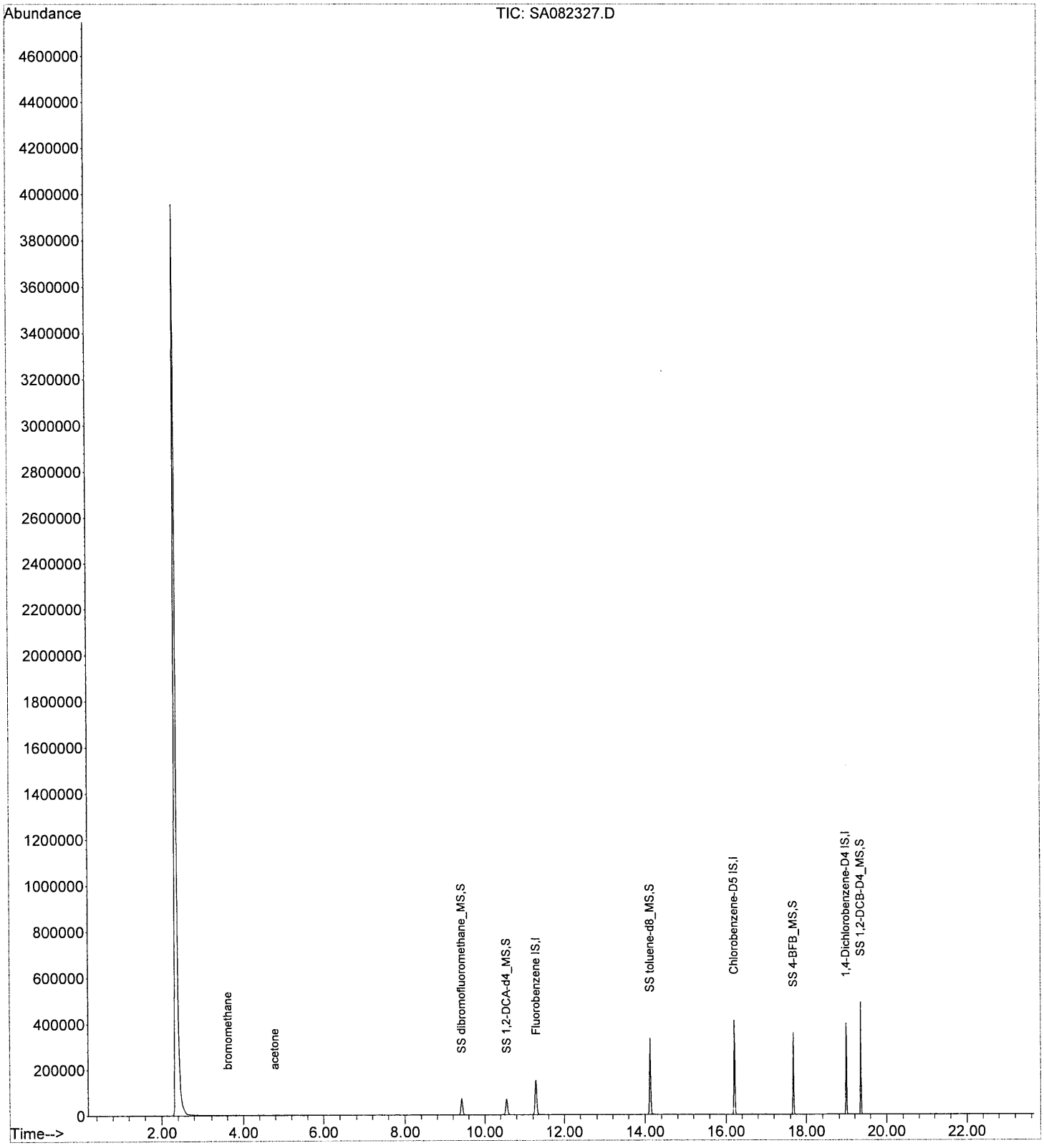
CCC OOC in CV due to loss of FB IS MB 8/25/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082327.D Vial: 27
Acq On : 24 Aug 2010 1:21 am Operator: KJP
Sample : 92049.15 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:08 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082518.D Vial: 18
Acq On : 25 Aug 2010 9:10 pm Operator: KJP
Sample : 92049.21 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:06 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	327643	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	257387	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	105973	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	96077	11.167 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.670%		
35) SS 1,2-DCA-d4_MS	10.551	65	112827	10.969 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.690%		
48) SS toluene-d8_MS	14.125	98	320307	9.522 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.220%		
65) SS 4-BFB_MS	17.675	95	114572	9.013 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 90.130%		
83) SS 1,2-DCB-D4_MS	19.354	152	110678	11.148 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.480%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.797	43	1883	0.904 ug/L	96
13) tert-Butyl Alcohol (TBA)	5.174	59	175	0.354 ug/L	95

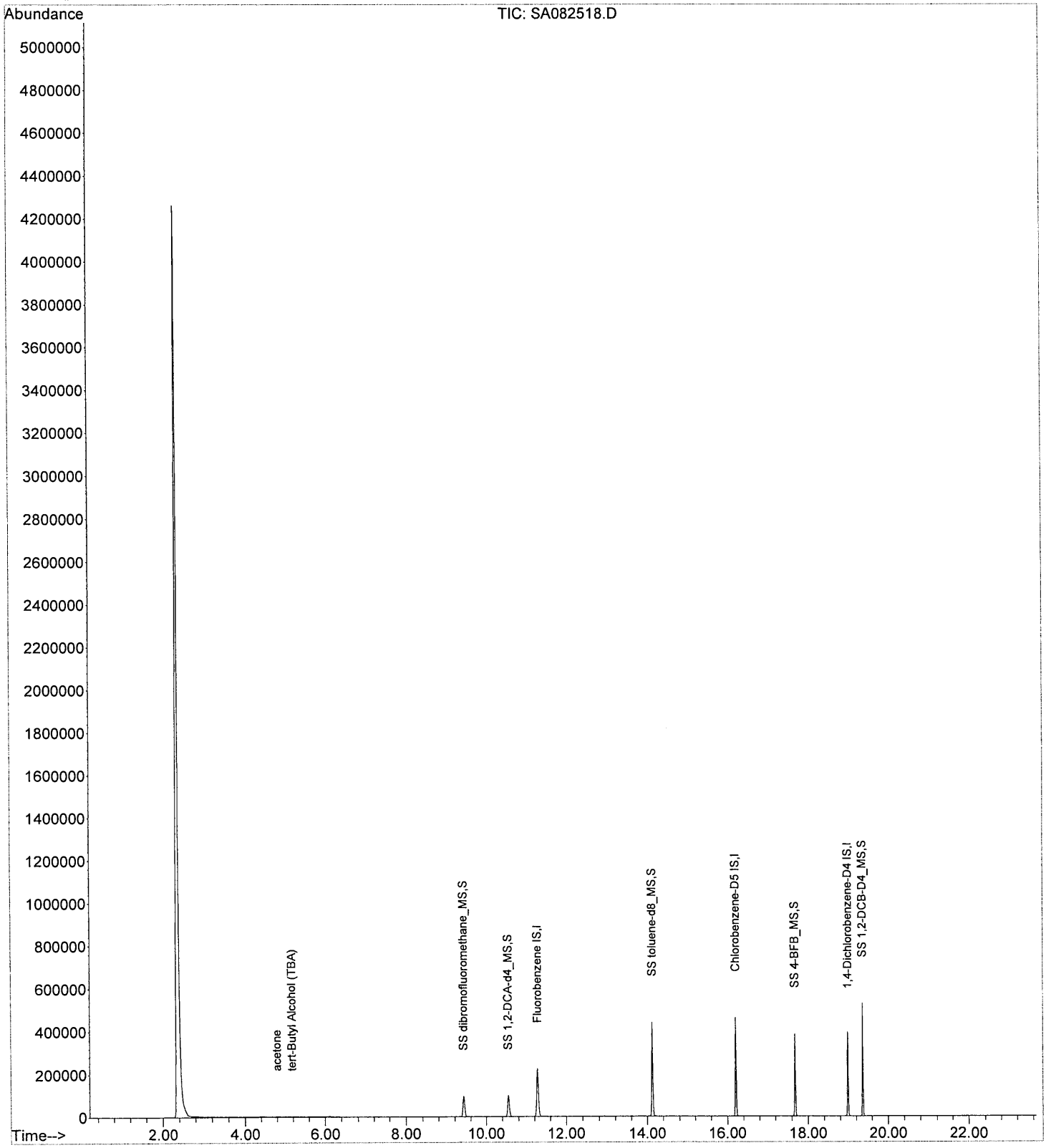
8/26/10
VSB

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082518.D Vial: 18
Acq On : 25 Aug 2010 9:10 pm Operator: KJP
Sample : 92049.21 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:27 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082333.D Vial: 33
Acq On : 24 Aug 2010 4:56 am Operator: KJP
Sample : 92049.21 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:09:20 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	202482	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	220631	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	96893	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	67529	12.701 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 127.010%#		
35) SS 1,2-DCA-d4_MS	10.551	65	76287	12.001 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 120.010%#		
48) SS toluene-d8_MS	14.125	98	237802	8.247 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 82.470%		
65) SS 4-BFB_MS	17.675	95	106228	9.748 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.480%		
83) SS 1,2-DCB-D4_MS	19.354	152	101520	11.183 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.830%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.797	43	1427	1.108 ug/L #	85
13) tert-Butyl Alcohol (TBA)	5.140	59	251	0.822 ug/L #	37

RRX1

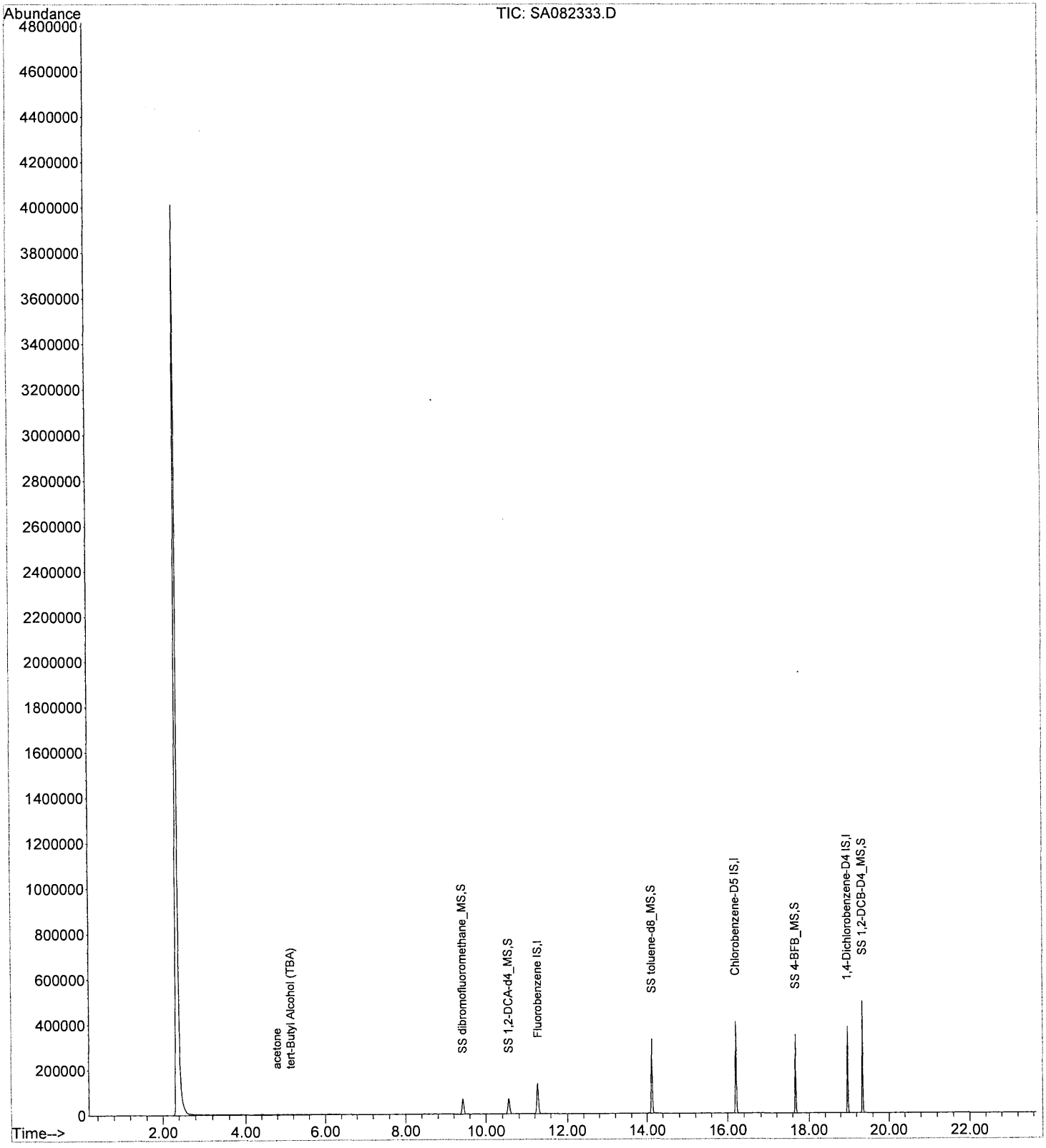
CCC OOC in CV due to loss of FB IS

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082333.D Vial: 33
Acq On : 24 Aug 2010 4:56 am Operator: KJP
Sample : 92049.21 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:09 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082519.D Vial: 19
Acq On : 25 Aug 2010 9:46 pm Operator: KJP
Sample : 92049.24 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:10 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	324820	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	256247	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	106632	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	95562	11.204 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 112.040%		
35) SS 1,2-DCA-d4_MS	10.551	65	115413	11.318 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 113.180%		
48) SS toluene-d8_MS	14.125	98	318848	9.520 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.200%		
65) SS 4-BFB_MS	17.675	95	113605	8.976 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 89.760%		
83) SS 1,2-DCB-D4_MS	19.354	152	108876	10.898 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.980%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.809	43	6997	3.388 ug/L	99
15) methylene chloride	5.893	84	84346	11.614 ug/L	92

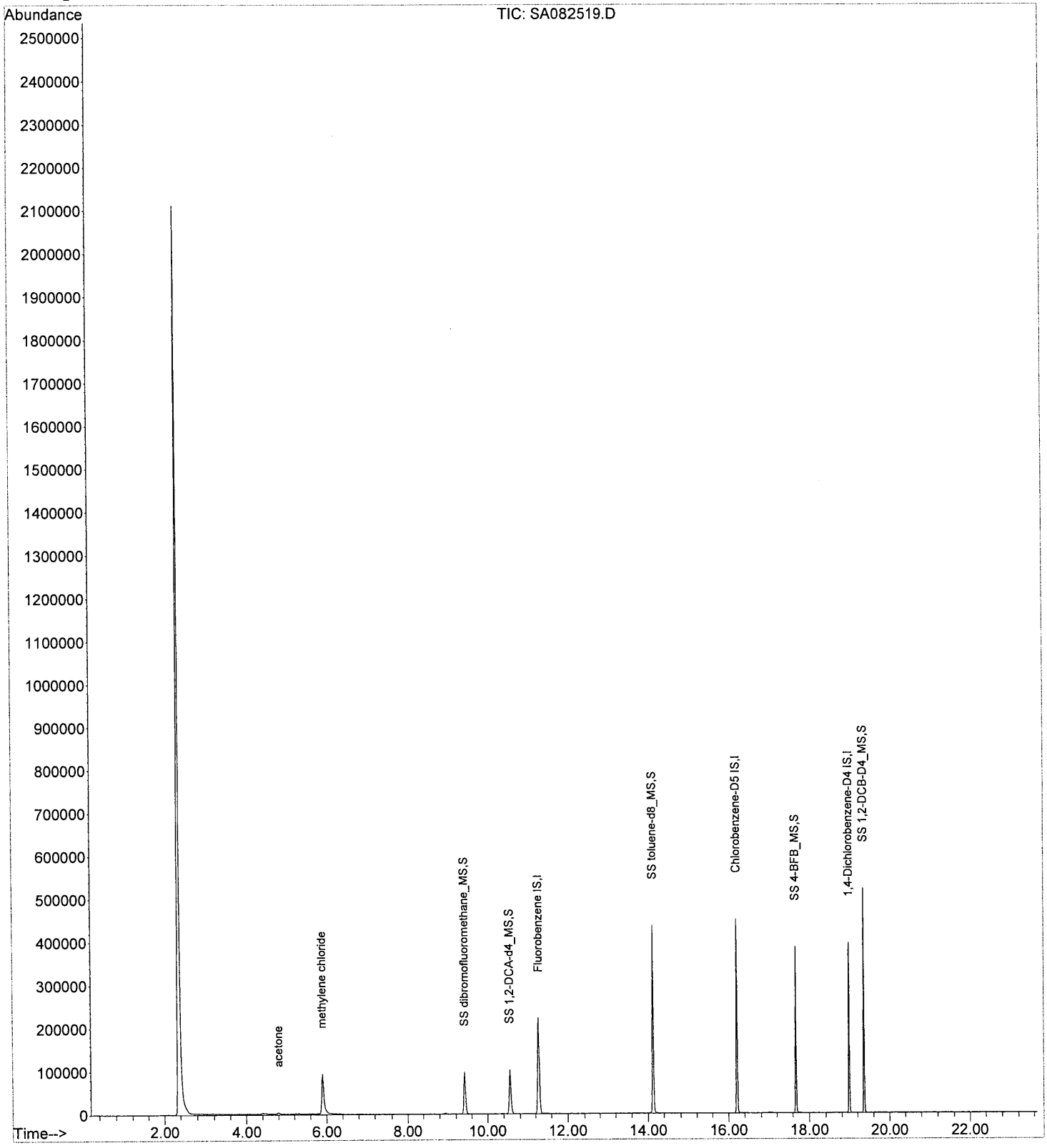
8/26/10
WJP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082519.D Vial: 19
Acq On : 25 Aug 2010 9:46 pm Operator: KJP
Sample : 92049.24 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:27 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082334.D Vial: 34
Acq On : 24 Aug 2010 5:32 am Operator: KJP
Sample : 92049.24 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:09:24 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	198868	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	223920	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	98281	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	66333	12.703 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 127.030%#		
35) SS 1,2-DCA-d4_MS	10.551	65	74880	11.994 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 119.940%		
48) SS toluene-d8_MS	14.125	98	234375	8.008 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 80.080%		
65) SS 4-BFB_MS	17.676	95	107544	9.724 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.240%		
83) SS 1,2-DCB-D4_MS	19.354	152	103011	11.187 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.870%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.797	43	5413	4.281 ug/L #	88
15) methylene chloride	5.893	84	67699	15.226 ug/L	91
30) chloroform	8.930	83	3538	0.381 ug/L	97

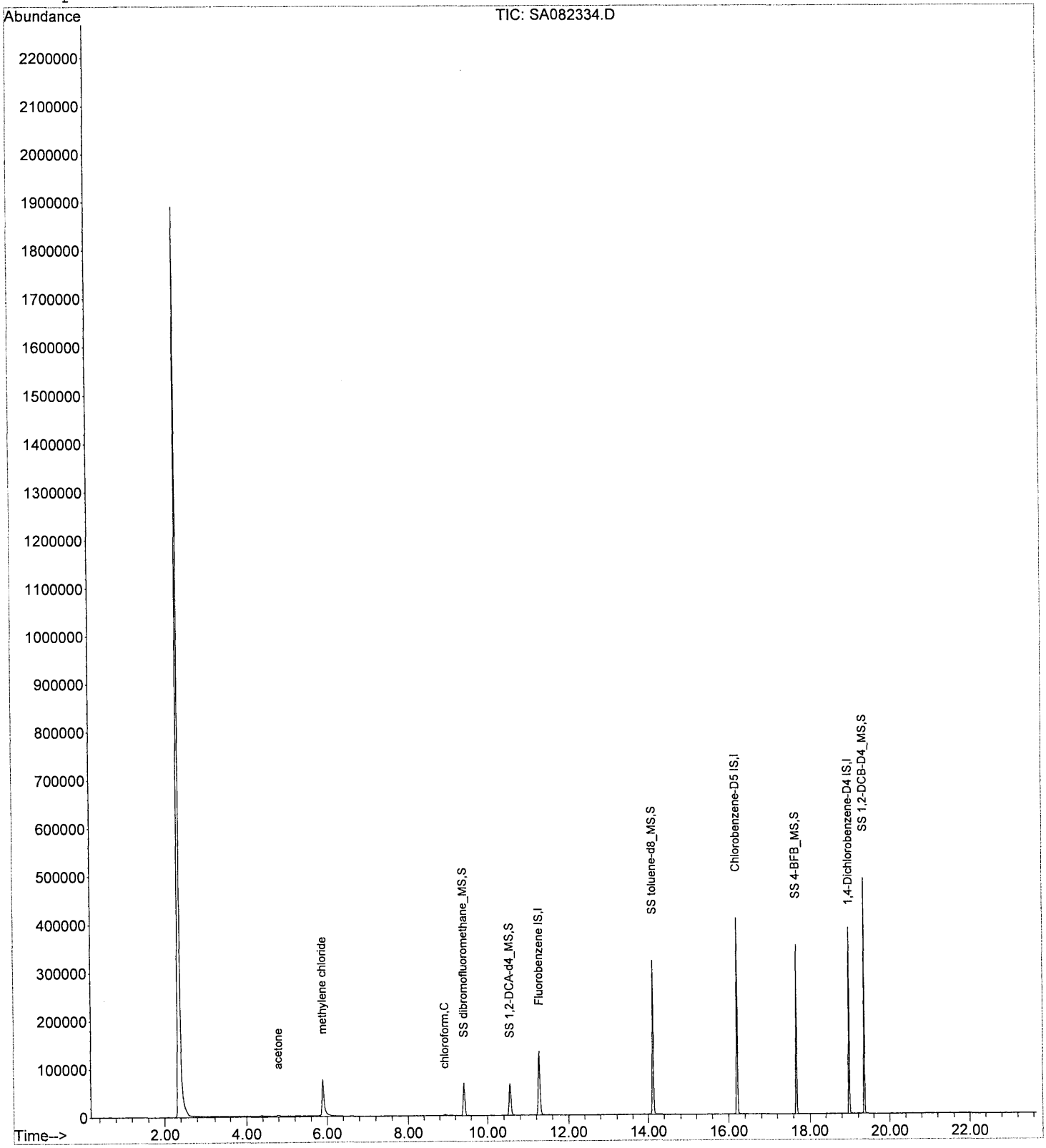
AR x1 CCC OOC in CV due to loss of FB IS KJP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082334.D Vial: 34
Acq On : 24 Aug 2010 5:32 am Operator: KJP
Sample : 92049.24 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:09 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082520.D Vial: 20
Acq On : 25 Aug 2010 10:22 pm Operator: KJP
Sample : 92049.25 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:14 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	315757	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	256548	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	108784	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	94553	11.404 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 114.040%	
35) SS 1,2-DCA-d4_MS	10.552	65	112056	11.304 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 113.040%	
48) SS toluene-d8_MS	14.125	98	321665	9.593 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 95.930%	
65) SS 4-BFB_MS	17.676	95	113947	8.993 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery	= 89.930%	
83) SS 1,2-DCB-D4_MS	19.354	152	110173	10.810 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 108.100%	
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery	= 0.000%#	
Target Compounds					Qvalue
11) acetone	4.798	43	5807	2.892 ug/L	91
15) methylene chloride	5.894	84	76427	10.826 ug/L	90

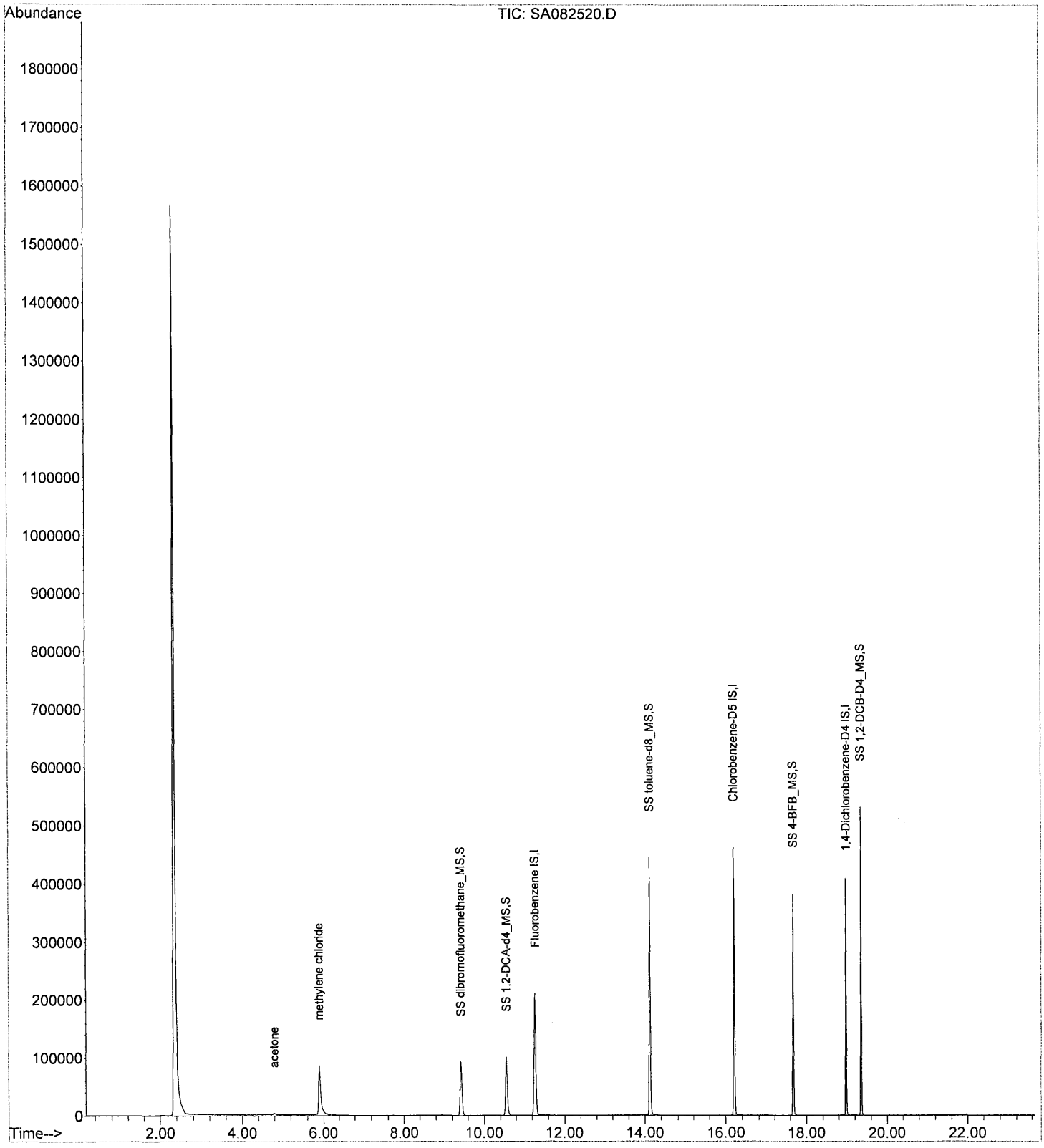
8/26/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082520.D Vial: 20
Acq On : 25 Aug 2010 10:22 pm Operator: KJP
Sample : 92049.25 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:27 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082335.D Vial: 35
Acq On : 24 Aug 2010 6:09 am Operator: KJP
Sample : 92049.25 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:09:28 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	196305	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	219509	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	100811	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	66276	12.858 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 128.580%#		
35) SS 1,2-DCA-d4_MS	10.551	65	74808	12.139 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 121.390%#		
48) SS toluene-d8_MS	14.125	98	234763	8.183 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 81.830%		
65) SS 4-BFB_MS	17.676	95	104320	9.622 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.220%		
83) SS 1,2-DCB-D4_MS	19.354	152	103760	10.986 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.860%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
5) bromomethane	3.576	94	1183	0.409 ug/L #	10
11) acetone	4.786	43	4653	3.728 ug/L	99
15) methylene chloride	5.893	84	64222	14.632 ug/L	93

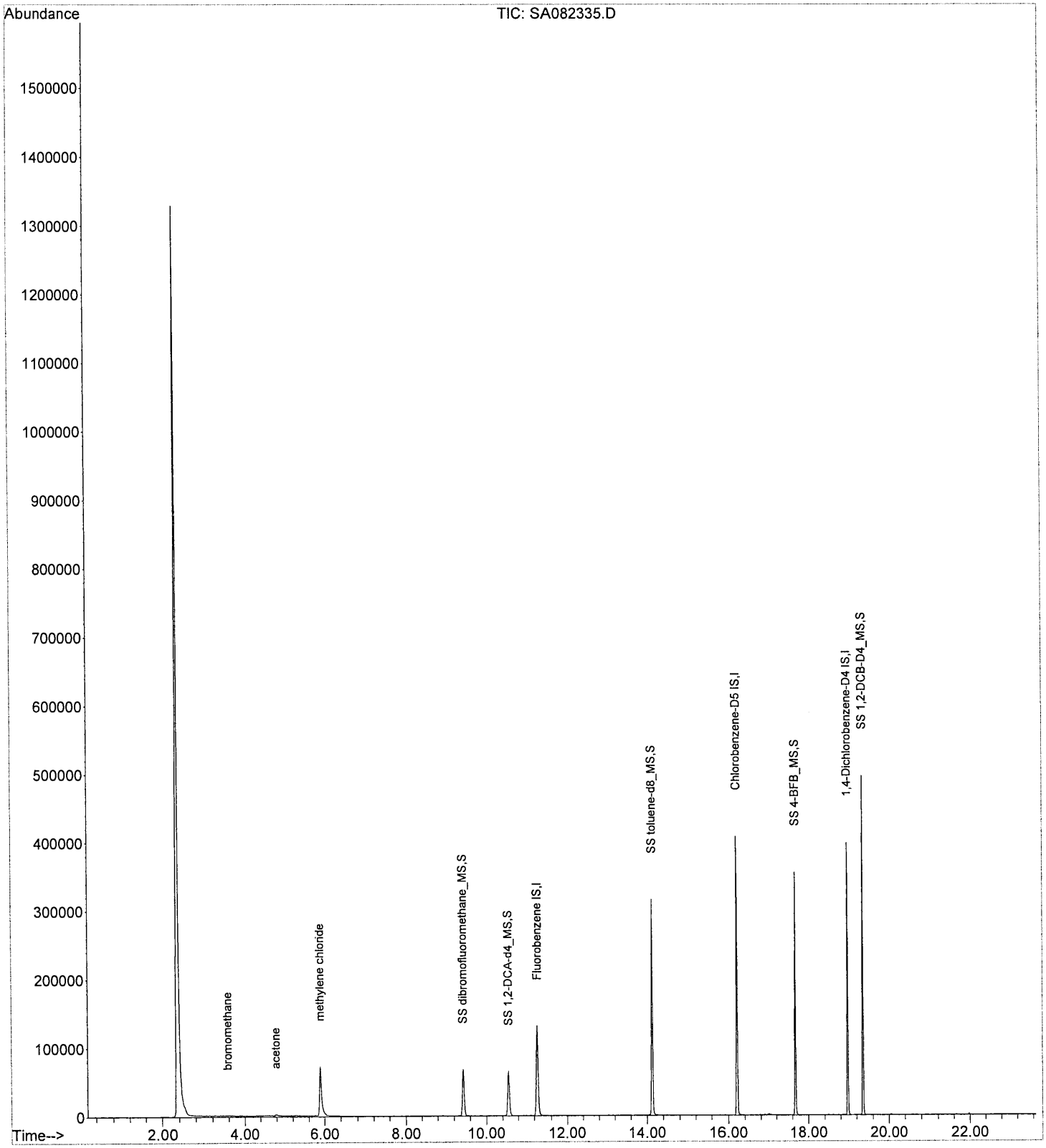
BRX1 CCC OOC in CV due to loss of FBIS (LW)

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082335.D 4VID0723.M Tue Aug 24 08:09:29 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082335.D Vial: 35
Acq On : 24 Aug 2010 6:09 am Operator: KJP
Sample : 92049.25 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:09 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



nQCBatch 73401455719

aQCPointers
MSpkA082710VNH821
MSDuA082710VNH821
BlnkA082710VNH821
LCSaA082710VNH821
LCSDA082710VNH821

aQCBatchMembers

92049.16
92049.17P
92049.18
92049.19
92049.2
73401455210.02
73401455210.03
73401455219.08P
73401455223.05
73401455223.06

4VID0723
All linear to 300ug/L (including VA, acrolein and 2CEVE) except: 1500ug/L for TBA; 600ug/L for MTBE and 1,4-dioxane; 400ug/L for mp-x; 200ug/L for gases, t13DCPE and iso-pb; 50ug/L for VC
Low point for VC is 0.2, Low point for 11DCE, 11DCA, PCE, HCBD, BDCM is 0.5.
Low point for cis- and trans-13DCPE 2ppb. Low level analysis for these analytes will need to be run under a different curve.

All avg RF except for:
22DCPA, CCl4, BDCM, 2CEVE, t-13DCPE, bromoform, 12DB3CPA, and 25DBT (linear regression)
Second source met 20% Dev. for all compounds except: Freon-113 and 1,4-dioxane (OOC high) which will need to be rerun under a curve in control for these compounds. 14-dioxane did not meet 8260 criteria for average RF or linear regression and is for qualitative purposes only. IM and CT compound not included in this calibration.

CV DEV -
bromomethane 20.000 11.612 41.9
acrolein 20.000 10.723 46.4
2-Chloroethoxyethene 20.000 14.892 25.5
Compounds listed not in samples above detection limit. Low point analyzed to support RLs for analytes with low recoveries. There is no impact to data for those compounds showing high recoveries since these analytes were not found in samples >RL.

IS areas ok
12h tune ok
pH<2 for all samples
MB in control
MS/MSD in control with the following exceptions:
MSpk IsoPropylbenzene OOC Actual = 29 (137 %R) Target = 70-130
MSD Dichlorodifluoromethane OOC Actual = 29 (142 %R) Target = 70-130
MSD Tetrachloroethene OOC Actual = 27 (134 %R) Target = 70-130
MSD IsoPropylbenzene OOC Actual = 29 (138 %R) Target = 70-130
LCS/LCSD in control

GC/MS QA-QC Check Report

Tune File : Y:\1\DATA\AUG2710\SA082701.D
Tune Time : 27 Aug 2010 9:12 am

Daily Calibration File : Y:\1\DATA\AUG2710\SA082702.D

						413880	315153	144650

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA082702.D	STD 20 M	100	94	100	103	413880	315153	144650
		98	44*					
SA082703.D	STD 20 G	97	91	98	96	419598	314933	141659
		99	17*					
SA082704.D	STD 2	99	93	98	97	406539	312459	145590
		100	15*					
SA082705.D	MB	96	95	96	95	400328	305675	136545
		101	11*					
SA082706.D	LCS	99	96	98	102	408081	314958	145015
		97	11*					
SA082707.D	LCSD	100	89	97	101	422953	316950	143886
		98	11*					
SA082709.D	91943.09	97	92	96	96	396504	299048	127996
		102	0*					
SA082710.D	92049.16	99	95	97	97	390509	296314	127102
		104	0*					
SA082711.D	92049.17	101	94	97	100	385858	288304	127660
		101	0*					
SA082712.D	92049.18	103	97	96	94	369138	285447	125834
		102	0*					
SA082713.D	92049.19	102	99	95	91	364543	280982	119713
		105	0*					
SA082714.D	92049.20	103	101	97	95	362585	275749	120713
		103	0*					
SA082715.D	92049.17 (MS)	105	98	97	103	380615	293007	136838
		98	0*					
SA082716.D	92049.17 (MSD)	104	95	99	102	388008	293546	139113
		101	0*					
SA082717.D	LCS - Me	93	96	95	93	392470	297267	133689
		102	100					
SA082718.D	LCSD - M	96	98	97	93	385426	293127	127127
		105	98					
SA082719.D	MB - MeO	93	99	97	91	386957	288416	128265
		104	112					
SA082720.D	92173.01	94	99	91	115	374593	312753	152783
		97	110					

t - fails 12hr time check * - fails criteria

Created: Mon Aug 30 08:59:43 2010 VOAMS4

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082710.D Vial: 10
Acq On : 27 Aug 2010 2:39 pm Operator: KJP
Sample : 92049.16 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 08:46:03 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.271	96	390509	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	296314	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	127102	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	101934	9.941 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.410%		
35) SS 1,2-DCA-d4_MS	10.551	65	116704	9.520 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.200%		
48) SS toluene-d8_MS	14.125	98	377095	9.737 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.370%		
65) SS 4-BFB_MS	17.676	95	141745	9.685 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.850%		
83) SS 1,2-DCB-D4_MS	19.354	152	124147	10.426 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.260%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
3) chloromethane	2.925	50	4026	~~0.387 ug/L #~~	60
6) chloroethane	3.678	64	54187	9.194 ug/L	97
8) diethyl ether	4.466	59	327606	57.398 ug/L	91
11) acetone	4.786	43	3401	1.370 ug/L #	83
13) tert-Butyl Alcohol (TBA)	5.151	59	15771	26.795 ug/L #	87
18) Methyl-t-butyl ether (MTBE	6.179	73	7338	0.391 ug/L #	75
29) Tetrahydrofuran (THF)	9.375	42	163453	69.630 ug/L	91
37) benzene	10.768	78	248628	6.647 ug/L	91
38) 1,2-dichloroethane	10.768	62	6228	0.423 ug/L #	31
41) 1,4-dioxane	12.903	88	6855	84.828 ug/L #	84
52) 2-hexanone	14.650	43	4141	0.707 ug/L #	23
57) chlorobenzene	16.260	112	297205	11.445 ug/L	96
60) mp-xylene	16.408	106	13003	0.972 ug/L	93
64) iso-propylbenzene	17.367	105	67068	2.591 ug/L	100
76) 1,2,4-trimethylbenzene	18.463	105	12136	0.512 ug/L	89
80) 1,4-dichlorobenzeneV	19.011	146	82549	5.110 ug/L #	91
84) 1,2-dibromo-3-chloropropan	19.902	75	69	~~3.984 ug/L #~~	1
88) naphthaleneV	21.260	128	28091	1.615 ug/L	100

OOC in ICAL

8/30/10

KJP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

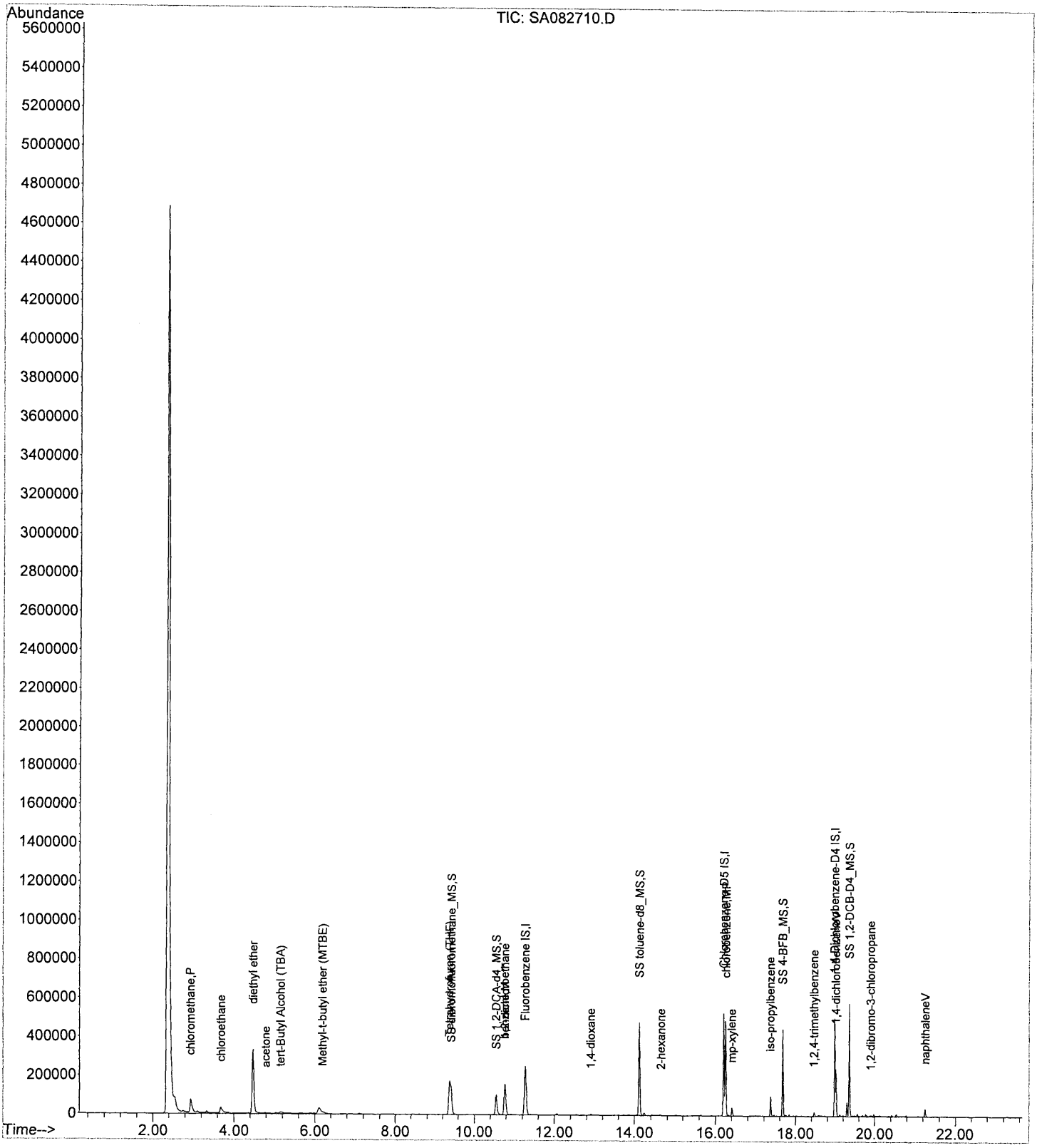
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082710.D
Acq On : 27 Aug 2010 2:39 pm
Sample : 92049.16
Misc : X1;5mL;RR
MS Integration Params: RTEINT.P
Quant Time: Aug 30 8:46 2010

Vial: 10
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082328.D Vial: 28
Acq On : 24 Aug 2010 1:57 am Operator: KJP
Sample : 92049.16 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:08:59 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	234318	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	229894	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	105489	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.421	111	73357	11.923	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 119.230%			
35) SS 1,2-DCA-d4_MS	10.552	65	79876	10.859	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.590%			
48) SS toluene-d8_MS	14.125	98	254709	8.477	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 84.770%			
65) SS 4-BFB_MS	17.676	95	116929	10.298	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 102.980%			
83) SS 1,2-DCB-D4_MS	19.354	152	105967	10.722	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.220%			
90) SS 2,5-DBT_MS	0.000	250	0	0.000	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#			
Target Compounds						Qvalue
6) chloroethane	3.679	64	43272	12.237	ug/L	97
8) diethyl ether	4.466	59	255778	74.685	ug/L	93
11) acetone	4.809	43	3050	2.047	ug/L #	86
13) tert-Butyl Alcohol (TBA)	5.163	59	12453	35.262	ug/L	94
18) Methyl-t-butyl ether (MTBE	6.190	73	5628	0.500	ug/L #	80
29) Tetrahydrofuran (THF)	9.387	42	135575	96.252	ug/L	95
37) benzene	10.780	78	190220	8.475	ug/L	92
38) 1,2-dichloroethane	10.757	62	4699	0.532	ug/L #	25
41) 1,4-dioxane	12.915	88	4732	97.589	ug/L #	81
57) chlorobenzene	16.249	112	229734	11.403	ug/L	97
60) mp-xylene	16.408	106	9624	0.928	ug/L	95
64) iso-propylbenzene	17.367	105	47221	2.352	ug/L	100
76) 1,2,4-trimethylbenzene	18.463	105	7667	0.389	ug/L	88
80) 1,4-dichlorobenzeneV	19.012	146	64549	4.815	ug/L #	89
88) naphthaleneV	21.261	128	19408	1.344	ug/L	99

ethyl b ooc cvft RRx1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

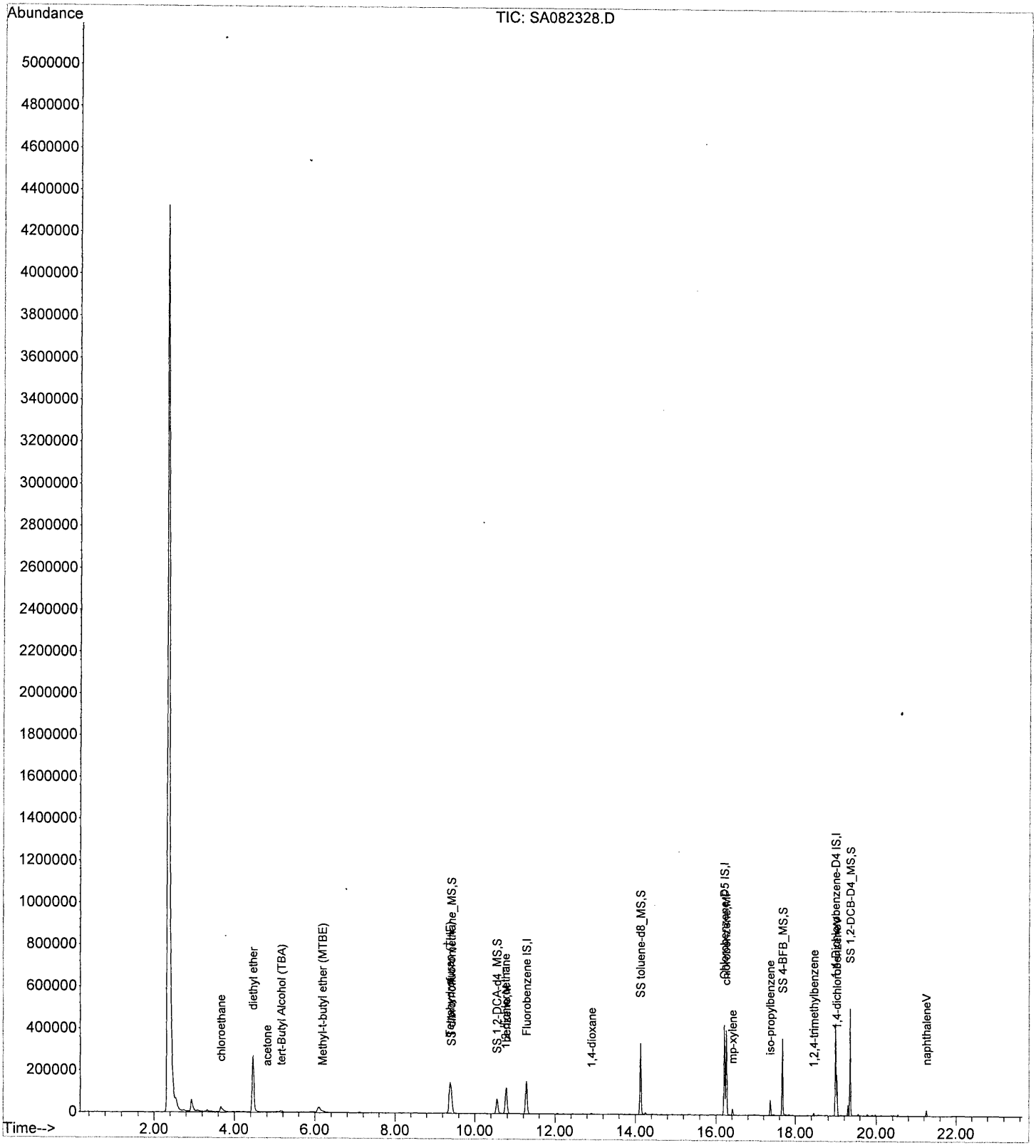
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082328.D
Acq On : 24 Aug 2010 1:57 am
Sample : 92049.16
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:08 2010

Vial: 28
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082711.D
Acq On : 27 Aug 2010 3:14 pm
Sample : 92049.17
Misc : X1;5mL;RR
MS Integration Params: RTEINT.P
Quant Time: Aug 30 08:46:08 2010

Vial: 11
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00
Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.271	96	385858	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	288304	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	127660	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	102572	10.124 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.240%		
35) SS 1,2-DCA-d4_MS	10.552	65	114100	9.419 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.190%		
48) SS toluene-d8_MS	14.125	98	365555	9.701 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.010%		
65) SS 4-BFB_MS	17.676	95	142823	10.030 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.300%		
83) SS 1,2-DCB-D4_MS	19.354	152	121348	10.146 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.460%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
6) chloroethane	3.679	64	41572	7.139 ug/L	96
8) diethyl ether	4.466	59	224573	39.821 ug/L	92
11) acetone	4.797	43	6363	2.593 ug/L #	85
13) tert-Butyl Alcohol (TBA)	5.151	59	9704	16.686 ug/L	94
23) 1,1-dichloroethane	7.321	63	13666	0.741 ug/L	97
29) Tetrahydrofuran (THF)	9.376	42	100168	43.185 ug/L	93
37) benzene	10.768	78	161317	4.365 ug/L #	90
38) 1,2-dichloroethane	10.768	62	8772	0.603 ug/L #	70
41) 1,4-dioxane	12.915	88	4505	56.420 ug/L #	88 CCC in ICAL
49) toluene	14.239	91	13733	0.375 ug/L	93
57) chlorobenzene	16.260	112	75303	2.980 ug/L	99
64) iso-propylbenzene	17.367	105	45497	1.807 ug/L	99
80) 1,4-dichlorobenzeneV	19.011	146	55262	3.406 ug/L #	71 ✓
88) naphthaleneV	21.261	128	10949	0.627 ug/L	99

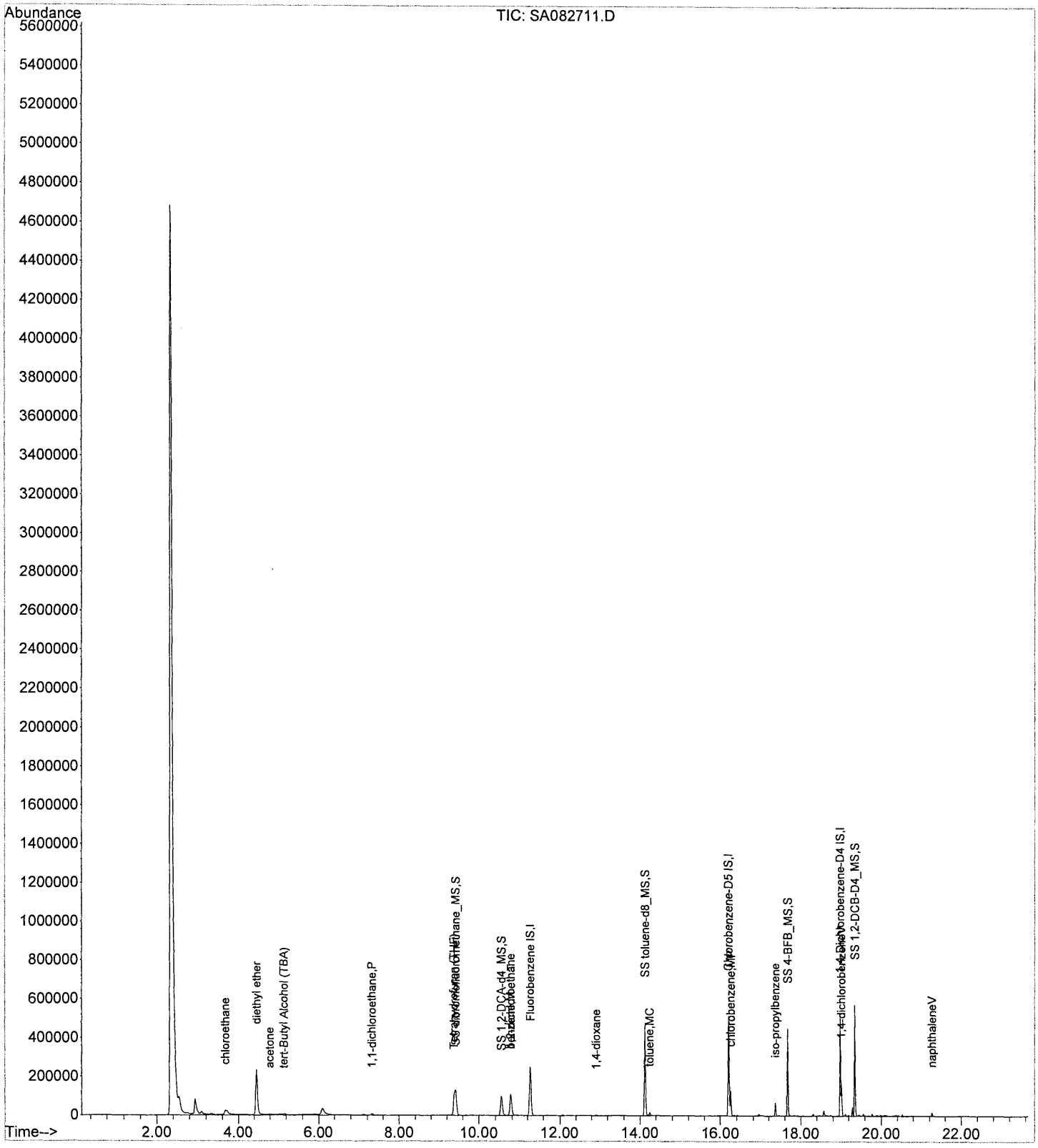
8/30/2010
KJP

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082711.D 4VID0723.M Mon Aug 30 08:46:09 2010

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082711.D Vial: 11
Acq On : 27 Aug 2010 3:14 pm Operator: KJP
Sample : 92049.17 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 8:46 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082715.D Vial: 15
Acq On : 27 Aug 2010 5:38 pm Operator: KJP
Sample : 92049.17 - MS Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 08:46:24 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	380615	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	293007	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	136838	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	104712	10.477 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.770%		
35) SS 1,2-DCA-d4_MS	10.551	65	116632	9.761 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.610%		
48) SS toluene-d8_MS	14.125	98	372415	9.725 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.250%		
65) SS 4-BFB_MS	17.676	95	149135	10.305 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 103.050%		
83) SS 1,2-DCB-D4_MS	19.354	152	125708	9.806 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.060%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.571	85	288905	25.929 ug/L	99
3) chloromethane	2.868	50	200854	19.786 ug/L	98
4) vinyl chloride	2.993	62	118578	17.507 ug/L	99
5) bromomethane	3.564	94	101453	18.087 ug/L	99
6) chloroethane	3.678	64	151564	26.386 ug/L	99
7) trichlorofluoromethane	4.021	101	307801	23.499 ug/L	98
8) diethyl ether	4.466	59	337238	60.622 ug/L	92
9) 1,1,2-Trichlorotrifluoroet	4.683	101	150735	35.685 ug/L	99
11) acetone	4.797	43	43419	17.941 ug/L	96
12) 1,1-dichloroethene	5.003	96	155515	23.105 ug/L	92
13) tert-Butyl Alcohol (TBA)	5.151	59	59163	103.133 ug/L	88
15) methylene chloride	5.893	84	176327	20.720 ug/L	87
16) carbon disulfide	5.905	76	454141	20.562 ug/L	100
17) acrylonitrile	6.145	53	54108	16.749 ug/L	94
18) Methyl-t-butyl ether (MTBE	6.179	73	378984	20.731 ug/L	98
19) trans-1,2-dichloroethene	6.453	96	223143	24.450 ug/L	94
20) hexane	6.556	57	1178	0.525 ug/L #	60
21) Isopropyl ether (DIPE)	7.104	45	590792	19.726 ug/L	98
22) vinyl acetate	7.343	43	294358	16.831 ug/L	96
23) 1,1-dichloroethane	7.320	63	415416	22.840 ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.960	59	491210	19.790 ug/L	96
25) 2,2-dichloropropane	8.496	77	259053	21.674 ug/L	98
26) cis-1,2-dichloroethene	8.599	96	246540	23.378 ug/L	100
27) 2-butanone (MEK)	8.234	43	64391	16.034 ug/L	96
28) bromochloromethane	9.296	128	111021	21.542 ug/L	87
29) Tetrahydrofuran (THF)	9.376	42	144564	63.184 ug/L	92
30) chloroform	8.942	83	401120	22.546 ug/L	99
32) 1,1,1-trichloroethane	9.809	97	320671	24.046 ug/L	98
33) carbon tetrachloride	10.369	117	269207	23.369 ug/L	99
34) 1,1-dichloropropene	10.175	75	269713	22.529 ug/L	98
36) tert-amyl methyl ether (TA	10.460	73	417259	21.910 ug/L #	86
37) benzene	10.780	78	1028933	28.222 ug/L	96
38) 1,2-dichloroethane	10.768	62	304585	21.223 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082715.D
Acq On : 27 Aug 2010 5:38 pm
Sample : 92049.17 - MS
Misc : X1;5mL;RR
MS Integration Params: RTEINT.P
Quant Time: Aug 30 08:46:24 2010

Vial: 15
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00
Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	trichloroethene	12.093	95	224085	23.186 ug/L	98
40)	1,2-dichloropropane	12.435	63	220155	20.625 ug/L	96
41)	1,4-dioxane	12.915	88	7059	89.623 ug/L #	80
42)	dibromomethane	12.938	93	143355	21.880 ug/L	97
43)	bromodichloromethane	12.846	83	269048	19.670 ug/L	99
44)	2-Chloroethoxyethene	13.463	63	75	3.000 ug/L #	1
45)	4-methyl-2-pentanone (MIBK	13.451	58	53340	16.631 ug/L	98
46)	cis-1,3-dichloropropene	13.760	75	307275	21.370 ug/L	99
49)	toluene	14.239	91	880040	23.615 ug/L	100
50)	trans-1,3-dichloropropene	14.525	75	274438	19.005 ug/L	98
51)	1,1,2-trichloroethane	14.741	83	163301	20.516 ug/L	99
52)	2-hexanone	14.764	43	90528	15.634 ug/L	93
53)	tetrachloroethene	15.164	166	216246	25.857 ug/L	97
54)	1,3-dichloropropane	15.095	76	310769	20.534 ug/L	99
55)	dibromochloromethane	15.449	129	205508	22.208 ug/L	99
56)	1,2-dibromoethane	15.723	107	187361	20.914 ug/L	100
57)	chlorobenzene	16.260	112	658084	25.628 ug/L	95
58)	1,1,1,2-tetrachloroethane	16.306	131	198659	24.085 ug/L	99
59)	ethylbenzene	16.317	91	880914	24.377 ug/L	99
60)	mp-xylene	16.408	106	646682	48.911 ug/L	98
61)	o-xylene	16.945	106	320712	23.509 ug/L	100
62)	styrene	16.991	104	575494	22.979 ug/L	97
63)	bromoform	17.413	173	123838	19.500 ug/L #	99
64)	iso-propylbenzene	17.367	105	745762	29.138 ug/L	99
67)	bromobenzene	17.904	156	239160	21.489 ug/L	95
68)	1,1,2,2-tetrachloroethane	17.573	83	226390	18.473 ug/L	99
69)	1,2,3-trichloropropane	17.744	110	64824	19.220 ug/L	94
71)	n-propylbenzene	17.835	91	840353	23.663 ug/L	100
72)	2-chlorotoluene	18.052	91	608628	21.058 ug/L	98
73)	4-chlorotoluene	18.098	91	586407	21.505 ug/L	97
74)	1,3,5-trimethylbenzene	18.007	105	543557	22.984 ug/L	100
75)	tert-butylbenzene	18.418	119	~~508297~~ 452566	~~25.992~~ 23.14 ug/L	96
76)	1,2,4-trimethylbenzene	18.463	105	586080	22.952 ug/L	100
77)	sec-butylbenzene	18.646	105	606429	23.361 ug/L	100
78)	1,3-dichlorobenzeneV	18.909	146	360168	21.689 ug/L	98
79)	p-isopropyltoluene	18.783	119	523510	23.960 ug/L	99
80)	1,4-dichlorobenzeneV	19.011	146	423453	24.348 ug/L	96
81)	1,2-dichlorobenzeneV	19.377	146	354017	20.778 ug/L	98
82)	n-butylbenzene	19.194	91	473005	23.113 ug/L	97
84)	1,2-dibromo-3-chloropropan	20.096	75	30415	18.047 ug/L	95
85)	1,3,5-trichlorobenzV	20.313	180	213925	21.778 ug/L	99
86)	1,2,4-trichlorobenzV	20.964	180	184404	22.051 ug/L	98
87)	hexachlorobutadieneV	21.089	225	100303	21.141 ug/L	99
88)	naphthaleneV	21.261	128	365123	19.497 ug/L	100
89)	1,2,3-trichlorobenzV	21.523	180	139552	19.276 ug/L	99

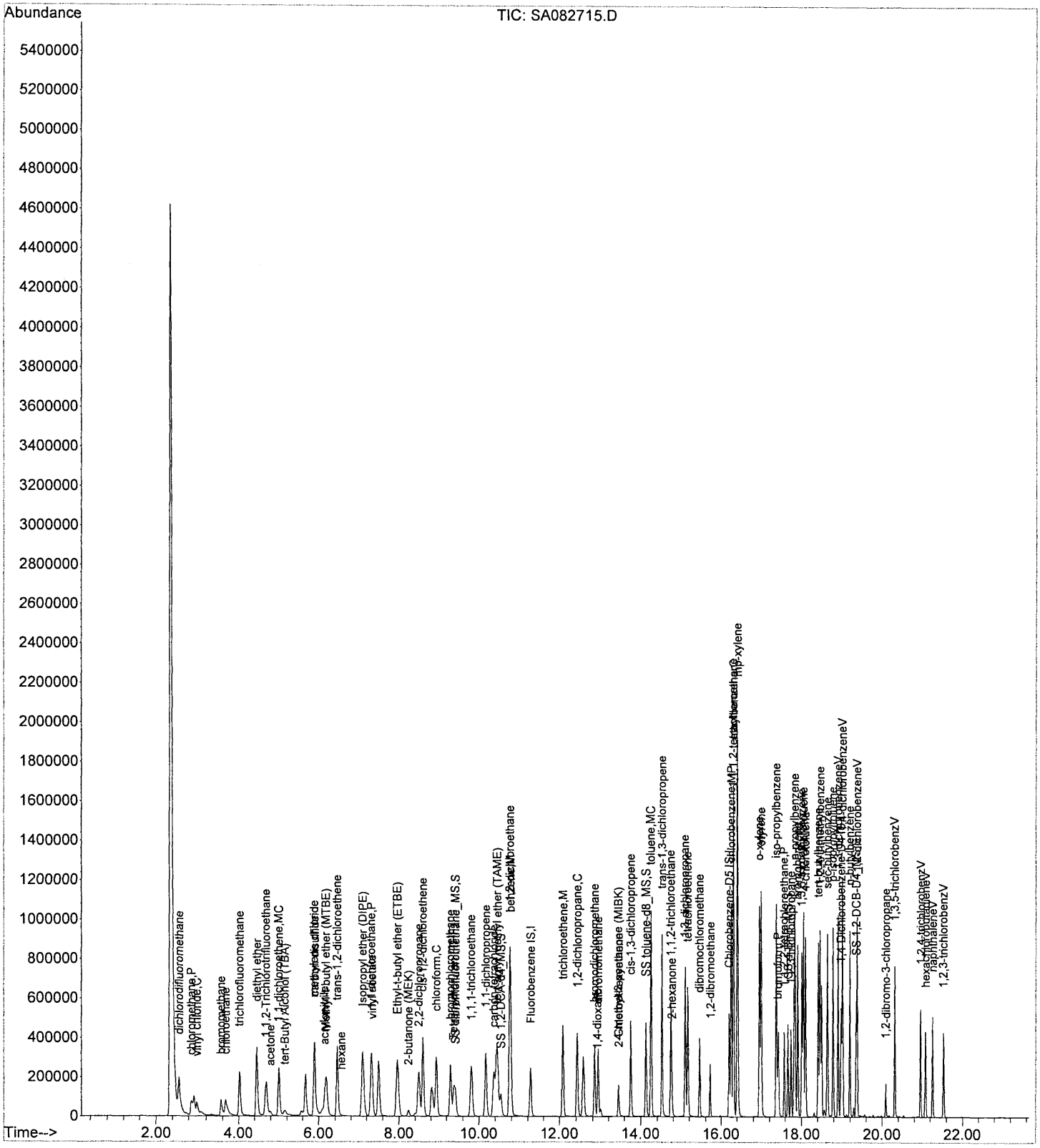
8/30/2010

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082715.D Vial: 15
Acq On : 27 Aug 2010 5:38 pm Operator: KJP
Sample : 92049.17 - MS Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 8:46 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082716.D Vial: 16
Acq On : 27 Aug 2010 6:14 pm Operator: KJP
Sample : 92049.17 - MSD Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 08:46:29 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.271	96	388008	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	293546	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	139113	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.421	111	105935	10.398	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.980%			
35) SS 1,2-DCA-d4_MS	10.551	65	115726	9.501	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.010%			
48) SS toluene-d8_MS	14.125	98	379542	9.893	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.930%			
65) SS 4-BFB_MS	17.676	95	147648	10.184	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.840%			
83) SS 1,2-DCB-D4_MS	19.354	152	131340	10.077	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.770%			
90) SS 2,5-DBT_MS	0.000	250	0	0.000	ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.571	85	323769	28.504	ug/L	99
3) chloromethane	2.868	50	218218	21.087	ug/L	99
4) vinyl chloride	2.993	62	129311	18.728	ug/L	100
5) bromomethane	3.564	94	115090	20.128	ug/L	98
6) chloroethane	3.678	64	158297	27.033	ug/L	99
7) trichlorofluoromethane	4.021	101	330475	24.749	ug/L	100
8) diethyl ether	4.466	59	337962	59.594	ug/L	92
9) 1,1,2-Trichlorotrifluoroet	4.695	101	154145	35.797	ug/L	99
11) acetone	4.797	43	45051	18.260	ug/L	97
12) 1,1-dichloroethene	5.003	96	155948	22.728	ug/L	94
13) tert-Butyl Alcohol (TBA)	5.151	59	65051	111.236	ug/L #	82
15) methylene chloride	5.893	84	174483	20.113	ug/L	89
16) carbon disulfide	5.905	76	450207	19.996	ug/L	100
17) acrylonitrile	6.144	53	53461	16.233	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.179	73	387431	20.790	ug/L	98
19) trans-1,2-dichloroethene	6.453	96	236025	25.368	ug/L	93
20) hexane	6.590	57	1367	0.598	ug/L #	62
21) Isopropyl ether (DIPE)	7.103	45	612279	20.054	ug/L	97
22) vinyl acetate	7.343	43	324118	18.180	ug/L	96
23) 1,1-dichloroethane	7.320	63	427013	23.030	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.960	59	519071	20.515	ug/L	97
25) 2,2-dichloropropane	8.496	77	271305	22.225	ug/L	99
26) cis-1,2-dichloroethene	8.599	96	251408	23.385	ug/L	99
27) 2-butanone (MEK)	8.234	43	74544	18.209	ug/L	97
28) bromochloromethane	9.296	128	114697	21.831	ug/L	89
29) Tetrahydrofuran (THF)	9.375	42	154845	66.388	ug/L	94
30) chloroform	8.942	83	421724	23.252	ug/L	98
32) 1,1,1-trichloroethane	9.809	97	336363	24.742	ug/L	97
33) carbon tetrachloride	10.369	117	285237	24.194	ug/L	98
34) 1,1-dichloropropene	10.163	75	288901	23.672	ug/L	99
36) tert-amyl methyl ether (TA	10.460	73	442281	22.781	ug/L #	84
37) benzene	10.768	78	1056189	28.418	ug/L	95
38) 1,2-dichloroethane	10.768	62	309326	21.143	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082716.D
Acq On : 27 Aug 2010 6:14 pm
Sample : 92049.17 - MSD
Misc : X1;5mL;RR
MS Integration Params: RTEINT.P
Quant Time: Aug 30 08:46:29 2010

Vial: 16
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00
Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.093	95	233373	23.687	ug/L		96
40)	1,2-dichloropropane	12.435	63	228989	21.044	ug/L		96
41)	1,4-dioxane	12.915	88	7827	97.481	ug/L	#	96
42)	dibromomethane	12.938	93	148091	22.172	ug/L		97
43)	bromodichloromethane	12.846	83	278354	19.965	ug/L		99
44)	2-Chloroethoxyethene	13.451	63	360	3.040	ug/L	#	1
45)	4-methyl-2-pentanone (MIBK	13.451	58	62064	18.982	ug/L		98
46)	cis-1,3-dichloropropene	13.760	75	320482	21.864	ug/L		99
49)	toluene	14.239	91	904068	24.215	ug/L		100
50)	trans-1,3-dichloropropene	14.524	75	286452	19.738	ug/L		97
51)	1,1,2-trichloroethane	14.741	83	166718	20.907	ug/L		98
52)	2-hexanone	14.764	43	103903	17.911	ug/L	#	93
53)	tetrachloroethene	15.164	166	225351	26.896	ug/L		97
54)	1,3-dichloropropane	15.095	76	325329	21.457	ug/L		99
55)	dibromochloromethane	15.449	129	207444	22.376	ug/L		97
56)	1,2-dibromoethane	15.723	107	194715	21.695	ug/L		99
57)	chlorobenzene	16.260	112	671025	26.084	ug/L		96
58)	1,1,1,2-tetrachloroethane	16.306	131	201299	24.361	ug/L		99
59)	ethylbenzene	16.317	91	903200	24.948	ug/L		99
60)	mp-xylene	16.408	106	671120	50.666	ug/L		98
61)	o-xylene	16.945	106	334472	24.472	ug/L		99
62)	styrene	16.991	104	587604	23.419	ug/L		98
63)	bromoform	17.413	173	128506	20.148	ug/L	#	99
64)	iso-propylbenzene	17.367	105	755665	29.471	ug/L		99
67)	bromobenzene	17.904	156	245612	21.708	ug/L		95
68)	1,1,2,2-tetrachloroethane	17.573	83	238392	19.134	ug/L		97
69)	1,2,3-trichloropropane	17.744	110	66370	19.357	ug/L		95
71)	n-propylbenzene	17.835	91	863743	23.924	ug/L		99
72)	2-chlorotoluene	18.052	91	634427	21.592	ug/L		99
73)	4-chlorotoluene	18.098	91	603734	21.779	ug/L		97
74)	1,3,5-trimethylbenzene	18.018	105	551974	22.958	ug/L		100
75)	tert-butylbenzene	18.418	119	~~523672~~ 467283 2350	~~26.340~~	ug/L		96
76)	1,2,4-trimethylbenzene	18.463	105	596844	22.991	ug/L		99
77)	sec-butylbenzene	18.646	105	634690	24.050	ug/L		99
78)	1,3-dichlorobenzeneV	18.909	146	373448	22.121	ug/L		98
79)	p-isopropyltoluene	18.783	119	549674	24.746	ug/L		100
80)	1,4-dichlorobenzeneV	19.011	146	442923	25.051	ug/L		96
81)	1,2-dichlorobenzeneV	19.377	146	378916	21.876	ug/L		96
82)	n-butylbenzene	19.194	91	493217	23.707	ug/L		97
84)	1,2-dibromo-3-chloropropan	20.096	75	32017	18.546	ug/L		96
85)	1,3,5-trichlorobenzV	20.313	180	226959	22.727	ug/L		100
86)	1,2,4-trichlorobenzV	20.964	180	198471	23.345	ug/L		97
87)	hexachlorobutadieneV	21.089	225	111301	23.075	ug/L		99
88)	naphthaleneV	21.260	128	401309	21.078	ug/L		98
89)	1,2,3-trichlorobenzV	21.523	180	153437	20.847	ug/L		99

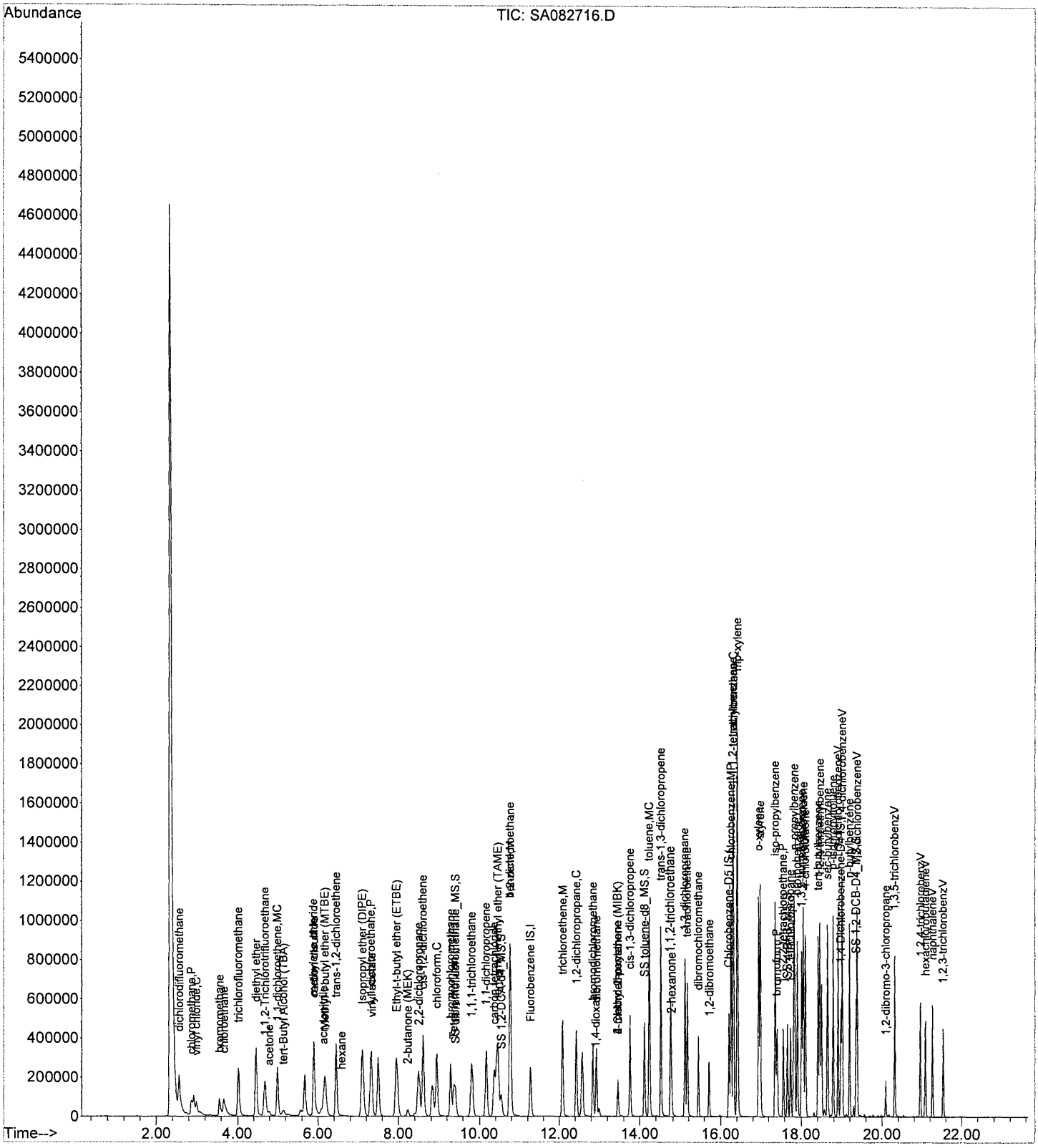
8/30/2010

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082716.D 4VID0723.M Mon Aug 30 08:46:31 2010

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082716.D Vial: 16
Acq On : 27 Aug 2010 6:14 pm Operator: KJP
Sample : 92049.17 - MSD Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 8:46 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082329.D Vial: 29
Acq On : 24 Aug 2010 2:33 am Operator: KJP
Sample : 92049.17 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:09:03 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.271	96	234675	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	228599	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	104949	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	72278	11.729 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 117.290%		
35) SS 1,2-DCA-d4_MS	10.551	65	80609	10.942 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.420%		
48) SS toluene-d8_MS	14.125	98	258580	8.655 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 86.550%		
65) SS 4-BFB_MS	17.676	95	115631	10.241 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 102.410%		
83) SS 1,2-DCB-D4_MS	19.354	152	105282	10.708 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.080%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
3) chloromethane	2.936	50	3359	0.537 ug/L #	54
6) chloroethane	3.667	64	33233	9.383 ug/L	96
8) diethyl ether	4.466	59	175157	51.067 ug/L	93
11) acetone	4.797	43	3704	2.482 ug/L	95
13) tert-Butyl Alcohol (TBA)	5.174	59	7736	21.872 ug/L	95
18) Methyl-t-butyl ether (MTBE	6.179	73	4446	0.394 ug/L #	70
23) 1,1-dichloroethane	7.320	63	11277	1.006 ug/L	100
29) Tetrahydrofuran (THF)	9.387	42	80016	56.721 ug/L	97
37) benzene	10.780	78	124209	5.526 ug/L	93
38) 1,2-dichloroethane	10.768	62	6852	0.774 ug/L #	78
41) 1,4-dioxane	12.915	88	2949	60.726 ug/L #	56
57) chlorobenzene	16.260	112	58789	2.935 ug/L	100
64) iso-propylbenzene	17.367	105	32044	1.605 ug/L	99
80) 1,4-dichlorobenzeneV	19.011	146	43017	3.225 ug/L #	71
88) naphthaleneV	21.260	128	7767	0.541 ug/L	99

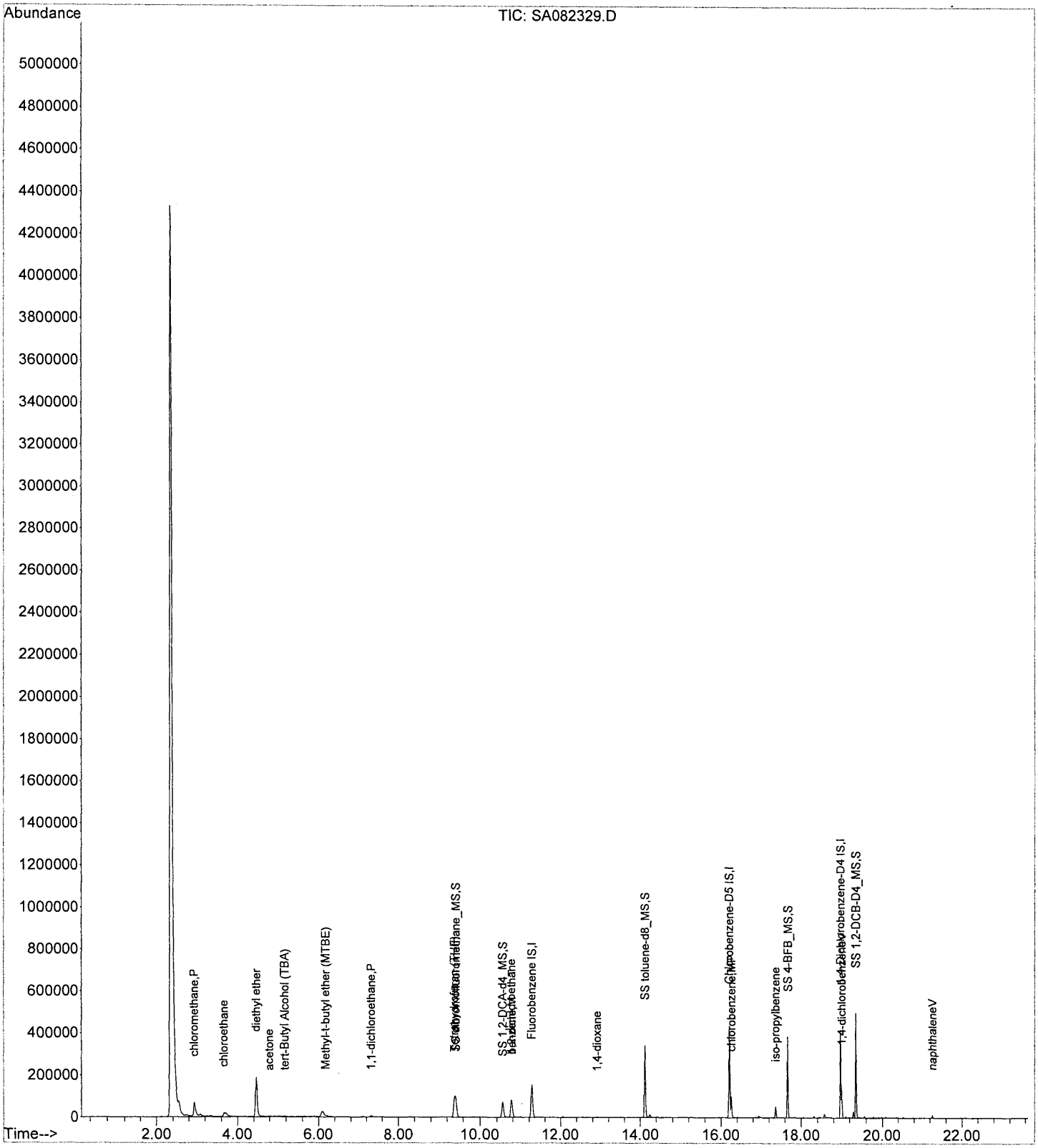
CCC OOC CV RRX1

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082329.D 4VID0723.M Tue Aug 24 08:09:04 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082329.D Vial: 29
Acq On : 24 Aug 2010 2:33 am Operator: KJP
Sample : 92049.17 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:09 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082712.D Vial: 12
Acq On : 27 Aug 2010 3:50 pm Operator: KJP
Sample : 92049.18 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 08:46:12 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.271	96	369138	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	285447	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	125834	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	99668	10.283 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.830%		
35) SS 1,2-DCA-d4_MS	10.551	65	112320	9.692 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.920%		
48) SS toluene-d8_MS	14.125	98	358197	9.601 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.010%		
65) SS 4-BFB_MS	17.676	95	131891	9.355 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 93.550%		
83) SS 1,2-DCB-D4_MS	19.354	152	120444	10.217 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.170%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
3) chloromethane	2.936	50	4737	0.481 ug/L #	55
6) chloroethane	3.667	64	39148	7.027 ug/L	99
8) diethyl ether	4.466	59	222802	41.296 ug/L	92
11) acetone	4.797	43	6666	2.840 ug/L #	87
13) tert-Butyl Alcohol (TBA)	5.151	59	9660	17.363 ug/L	94
23) 1,1-dichloroethane	7.320	63	12755	0.723 ug/L	96
29) Tetrahydrofuran (THF)	9.376	42	97963	44.148 ug/L	92
37) benzene	10.768	78	159489	4.511 ug/L #	91
38) 1,2-dichloroethane	10.757	62	8234	0.592 ug/L #	67
41) 1,4-dioxane	12.915	88	3731	48.843 ug/L #	74
57) chlorobenzene	16.248	112	74114	2.963 ug/L	99
64) iso-propylbenzene	17.367	105	43561	1.747 ug/L	98
80) 1,4-dichlorobenzeneV	19.011	146	53041	3.317 ug/L #	70
88) naphthaleneV	21.261	128	9709	0.564 ug/L	98

ooc in ICAL

8/30/2010
VGP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

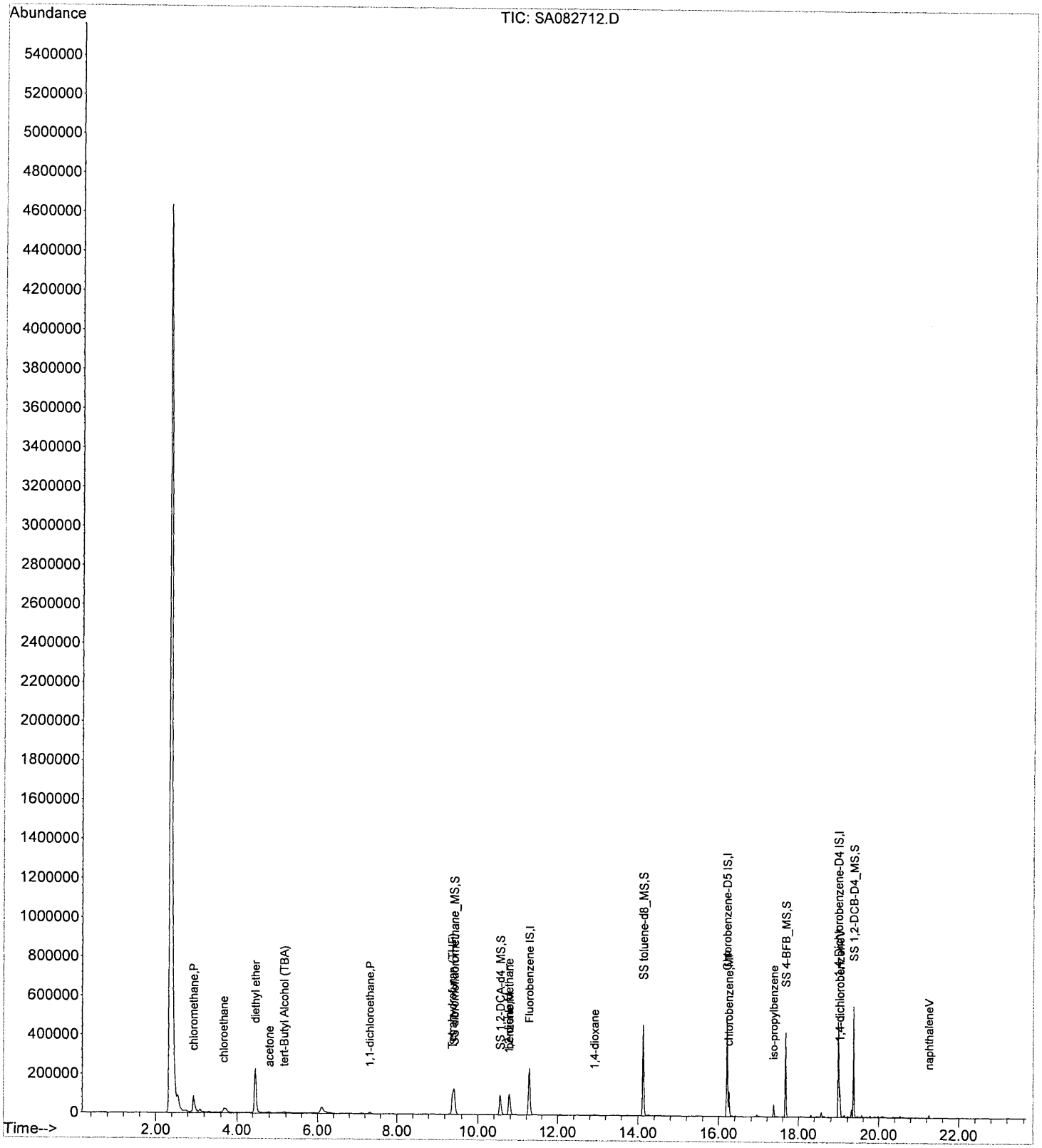
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082712.D
Acq On : 27 Aug 2010 3:50 pm
Sample : 92049.18
Misc : X1;5mL;RR
MS Integration Params: RTEINT.P
Quant Time: Aug 30 8:46 2010

Vial: 12
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082330.D Vial: 30
Acq On : 24 Aug 2010 3:09 am Operator: KJP
Sample : 92049.18 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:09:07 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	229668	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	228288	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	106512	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	72578	12.035 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 120.350%#		
35) SS 1,2-DCA-d4_MS	10.552	65	79144	10.977 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.770%		
48) SS toluene-d8_MS	14.125	98	250999	8.412 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 84.120%		
65) SS 4-BFB_MS	17.676	95	116348	10.319 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 103.190%		
83) SS 1,2-DCB-D4_MS	19.354	152	105350	10.557 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.570%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
3) chloromethane	2.936	50	3787	0.618 ug/L #	42
6) chloroethane	3.667	64	33653	9.709 ug/L	99
8) diethyl ether	4.466	59	180865	53.880 ug/L	93
11) acetone	4.797	43	8765	6.002 ug/L	100
13) tert-Butyl Alcohol (TBA)	5.151	59	7427	21.456 ug/L	99
18) Methyl-t-butyl ether (MTBE	6.190	73	4597	0.417 ug/L #	69
23) 1,1-dichloroethane	7.321	63	10445	0.952 ug/L	95
29) Tetrahydrofuran (THF)	9.376	42	79889	57.866 ug/L	94
37) benzene	10.780	78	119990	5.454 ug/L	92
38) 1,2-dichloroethane	10.768	62	7296	0.843 ug/L #	79
41) 1,4-dioxane	12.915	88	3282	69.056 ug/L #	90
57) chlorobenzene	16.260	112	58054	2.902 ug/L	98
64) iso-propylbenzene	17.367	105	31604	1.585 ug/L	97
80) 1,4-dichlorobenzeneV	19.011	146	43518	3.215 ug/L #	71
88) naphthaleneV	21.261	128	8054	0.553 ug/L	99

CCC 00C in CV RRX1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

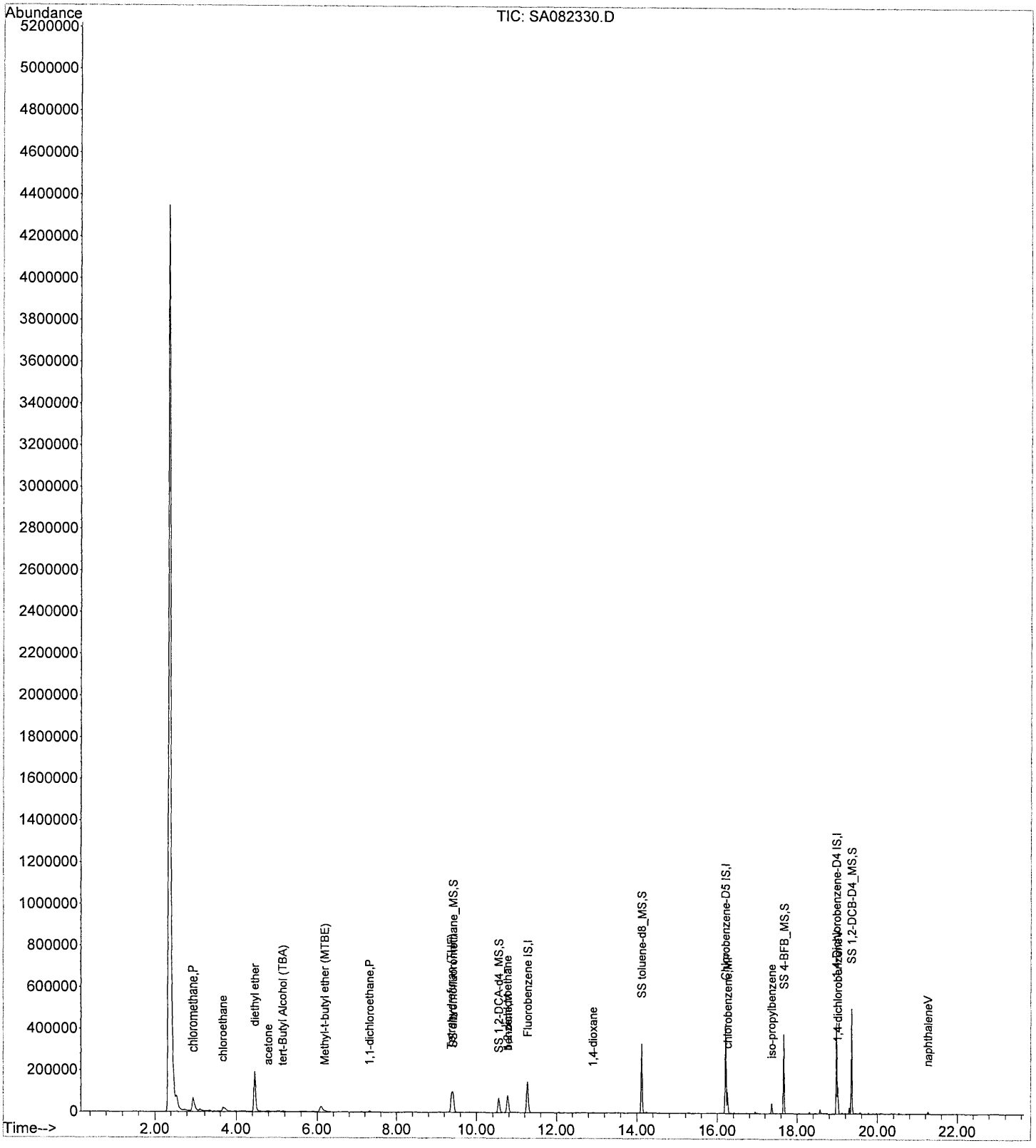
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082330.D
Acq On : 24 Aug 2010 3:09 am
Sample : 92049.18
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:09 2010

Vial: 30
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082713.D Vial: 13
Acq On : 27 Aug 2010 4:26 pm Operator: KJP
Sample : 92049.19 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 08:46:16 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.271	96	364543	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	280982	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	119713	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	97927	10.230 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.300%		
35) SS 1,2-DCA-d4_MS	10.552	65	113401	9.909 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.090%		
48) SS toluene-d8_MS	14.125	98	347132	9.452 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.520%		
65) SS 4-BFB_MS	17.676	95	126815	9.138 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 91.380%		
83) SS 1,2-DCB-D4_MS	19.354	152	117760	10.500 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.000%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
5) bromomethane	3.587	94	2069	0.385 ug/L #	54
6) chloroethane	3.667	64	41997	7.634 ug/L	98
8) diethyl ether	4.466	59	94605	17.756 ug/L	92
11) acetone	4.797	43	2803	1.209 ug/L	90
13) tert-Butyl Alcohol (TBA)	5.163	59	6551	11.923 ug/L	96
18) Methyl-t-butyl ether (MTBE	6.202	73	6356	0.363 ug/L #	92
29) Tetrahydrofuran (THF)	9.387	42	6257	2.855 ug/L	96
37) benzene	10.780	78	57993	1.661 ug/L	91
41) 1,4-dioxane	12.915	88	1759	23.317 ug/L #	77
57) chlorobenzene	16.249	112	128934	5.236 ug/L	97
80) 1,4-dichlorobenzeneV	19.011	146	25854	1.699 ug/L #	67
81) 1,2-dichlorobenzeneV	19.377	146	8299	0.557 ug/L #	1

OOC in ICAL

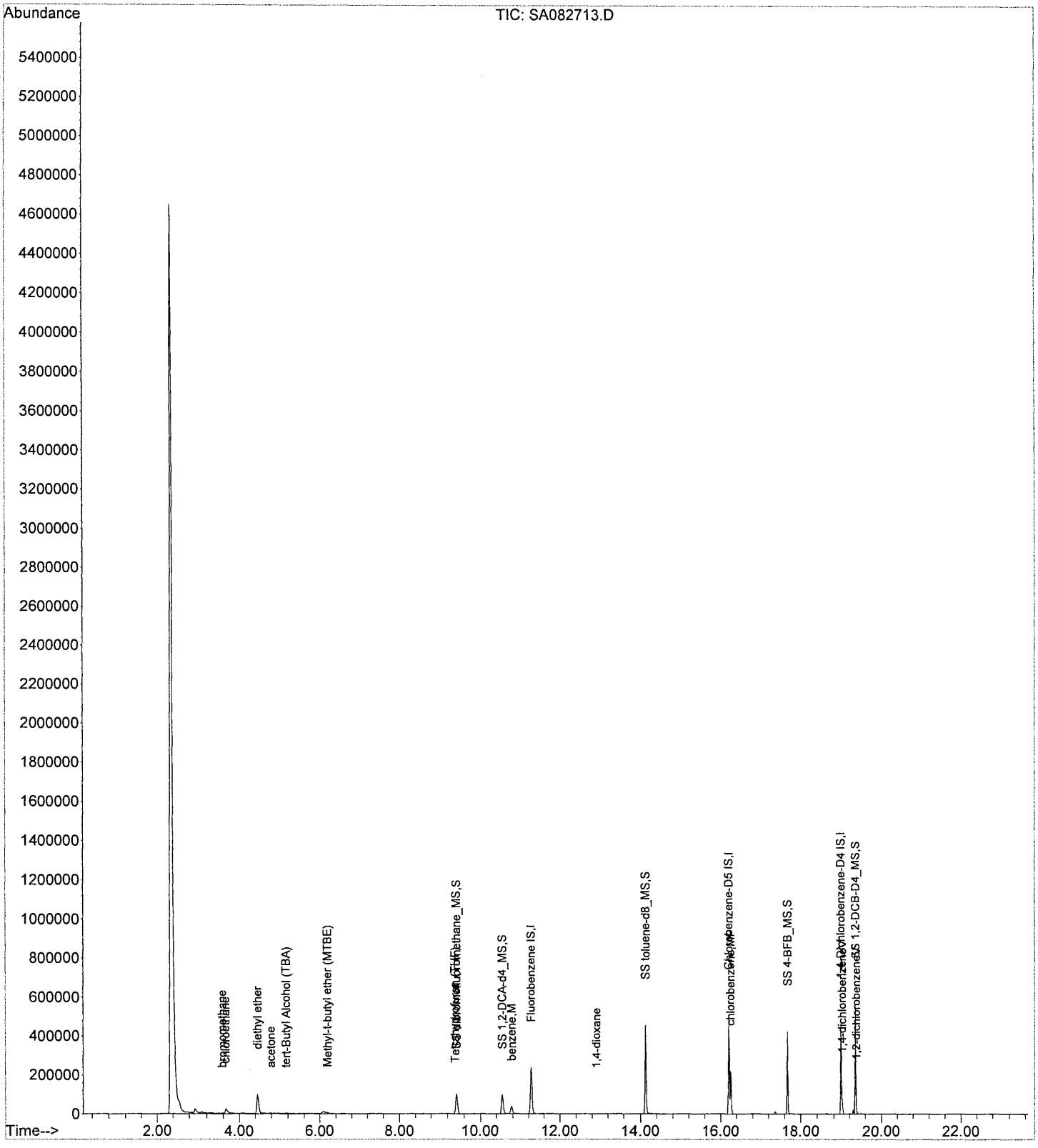
8/30/2010

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082713.D Vial: 13
Acq On : 27 Aug 2010 4:26 pm Operator: KJP
Sample : 92049.19 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 8:46 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082331.D
Acq On : 24 Aug 2010 3:45 am
Sample : 92049.19
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:09:12 2010

Vial: 31
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00
Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	219947	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	226174	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	103554	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	68230	11.814 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 118.140%		
35) SS 1,2-DCA-d4_MS	10.552	65	79789	11.556 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 115.560%		
48) SS toluene-d8_MS	14.125	98	246917	8.353 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 83.530%		
65) SS 4-BFB_MS	17.676	95	110173	9.862 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.620%		
83) SS 1,2-DCB-D4_MS	19.354	152	105209	10.844 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.440%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
6) chloroethane	3.679	64	35493	10.693 ug/L	98
8) diethyl ether	4.466	59	76003	23.642 ug/L	95
11) acetone	4.786	43	2406	1.720 ug/L	100
13) tert-Butyl Alcohol (TBA)	5.163	59	5273	15.906 ug/L	94
18) Methyl-t-butyl ether (MTBE	6.190	73	4578	0.433 ug/L #	85
29) Tetrahydrofuran (THF)	9.387	42	5371	4.062 ug/L	98
37) benzene	10.780	78	43779	2.078 ug/L #	90
41) 1,4-dioxane	12.915	88	1168	25.662 ug/L #	76
57) chlorobenzene	16.260	112	102123	5.152 ug/L	98
80) 1,4-dichlorobenzeneV	19.012	146	20415	1.551 ug/L #	66
81) 1,2-dichlorobenzeneV	19.377	146	6614	0.513 ug/L #	1

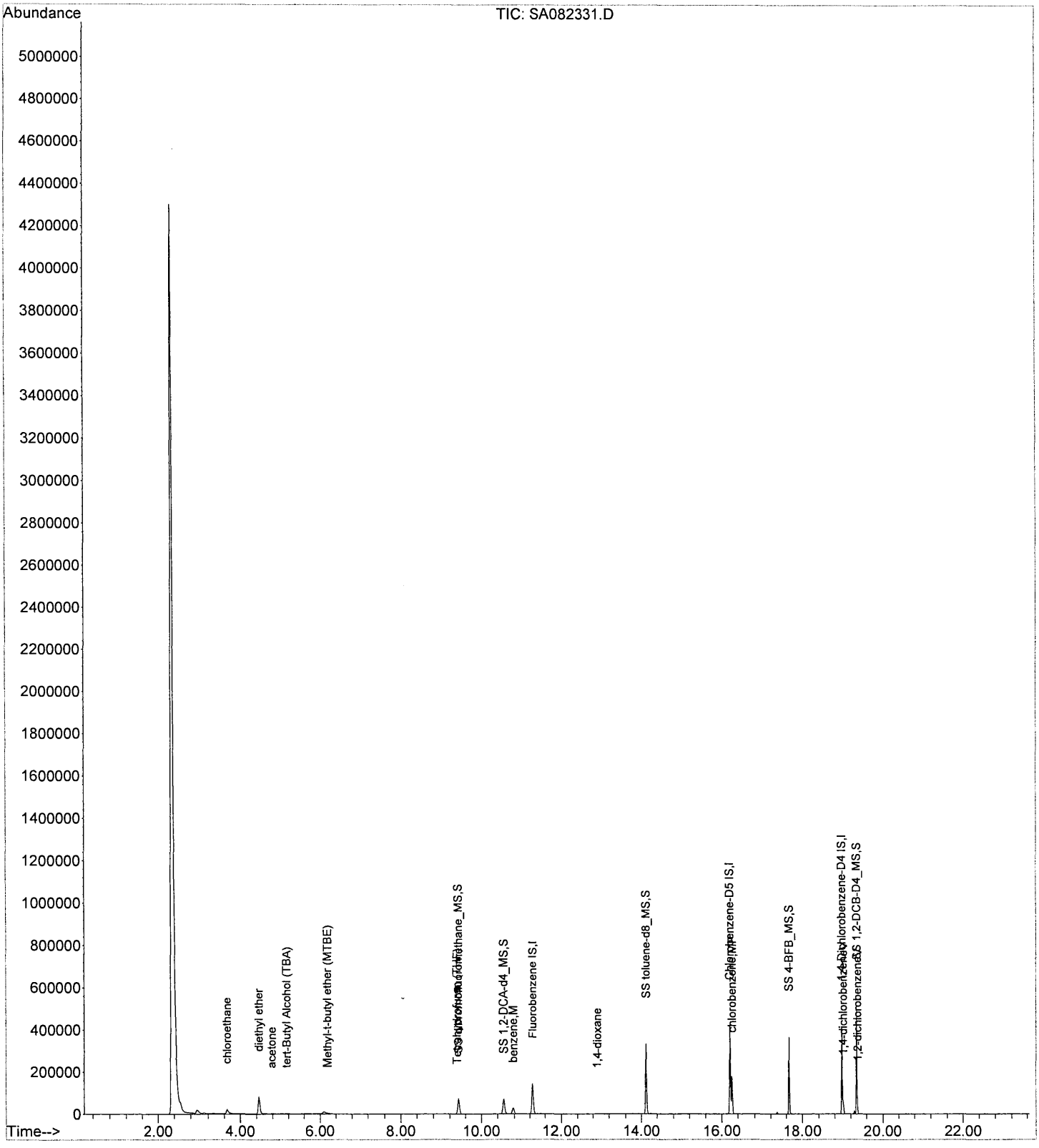
CCC OOC in CN RRX1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082331.D Vial: 31
Acq On : 24 Aug 2010 3:45 am Operator: KJP
Sample : 92049.19 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:09 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082714.D Vial: 14
Acq On : 27 Aug 2010 5:02 pm Operator: KJP
Sample : 92049.20 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 08:46:20 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	362585	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	275749	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	120713	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	97826	10.275 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.750%		
35) SS 1,2-DCA-d4_MS	10.551	65	114581	10.066 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.660%		
48) SS toluene-d8_MS	14.125	98	349137	9.687 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.870%		
65) SS 4-BFB_MS	17.675	95	130041	9.548 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.480%		
83) SS 1,2-DCB-D4_MS	19.354	152	116796	10.327 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.270%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
6) chloroethane	3.678	64	37418	6.838 ug/L	98
8) diethyl ether	4.466	59	85198	16.077 ug/L	93
11) acetone	4.809	43	3200	1.388 ug/L	90
13) tert-Butyl Alcohol (TBA)	5.162	59	4914	8.992 ug/L	91
29) Tetrahydrofuran (THF)	9.387	42	4509	2.069 ug/L	90
37) benzene	10.768	78	62522	1.800 ug/L	92
41) 1,4-dioxane	12.915	88	1047	13.954 ug/L #	63
57) chlorobenzene	16.260	112	114137	4.723 ug/L	98
64) iso-propylbenzene	17.367	105	13770	0.572 ug/L	98
80) 1,4-dichlorobenzeneV	19.011	146	19238	1.254 ug/L #	71
81) 1,2-dichlorobenzeneV	19.377	146	7050	0.469 ug/L #	1

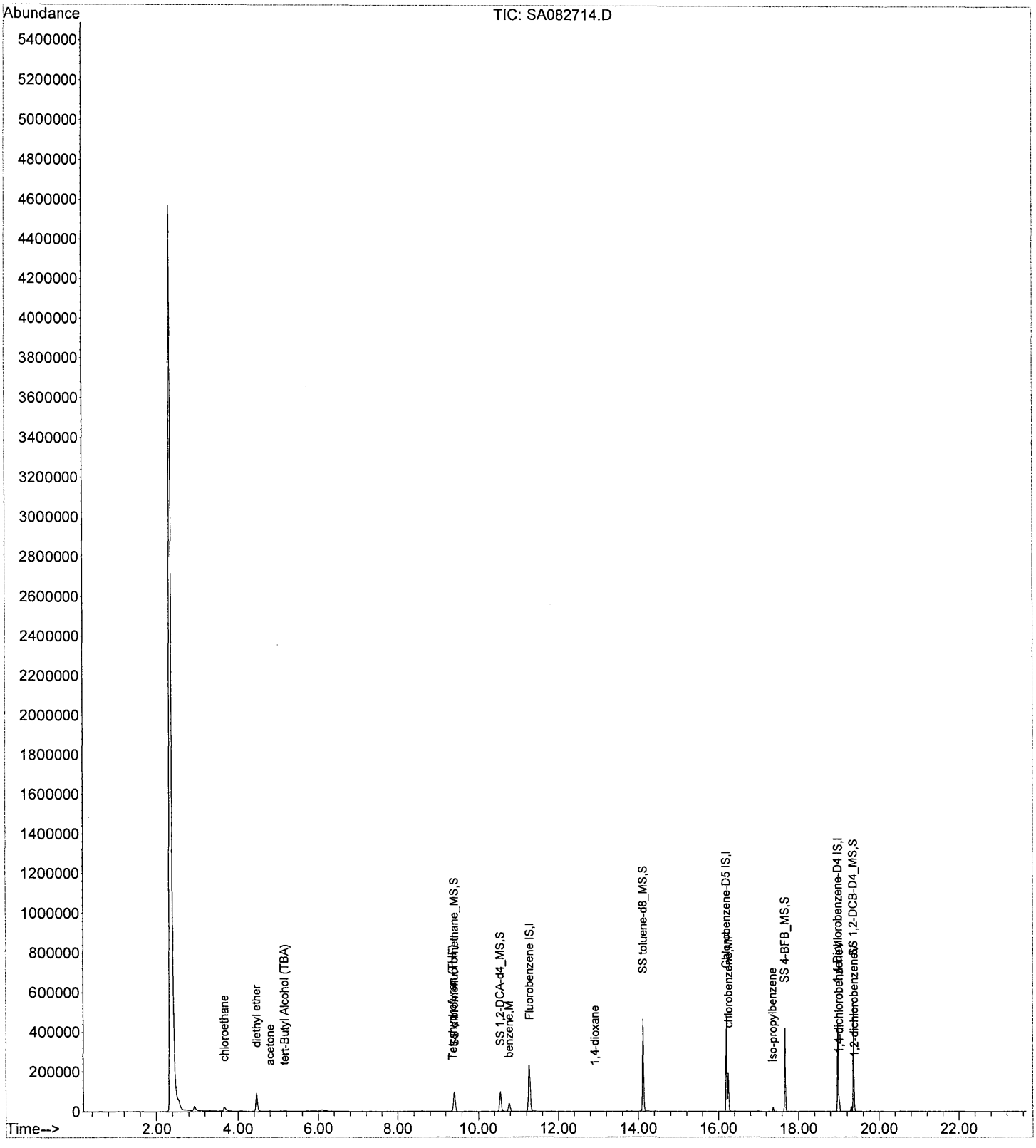
8/30/2010
KJP

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082714.D 4VID0723.M Mon Aug 30 08:46:21 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2710\SA082714.D Vial: 14
Acq On : 27 Aug 2010 5:02 pm Operator: KJP
Sample : 92049.20 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 30 8:46 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082332.D Vial: 32
Acq On : 24 Aug 2010 4:21 am Operator: KJP
Sample : 92049.20 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 08:09:16 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.271	96	214697	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	226316	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	103965	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	68591	12.167 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 121.670%#		
35) SS 1,2-DCA-d4_MS	10.551	65	77744	11.535 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 115.350%		
48) SS toluene-d8_MS	14.125	98	242067	8.184 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 81.840%		
65) SS 4-BFB_MS	17.676	95	113236	10.130 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.300%		
83) SS 1,2-DCB-D4_MS	19.354	152	104233	10.701 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.010%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
6) chloroethane	3.667	64	28997	8.949 ug/L	99
8) diethyl ether	4.466	59	69406	22.118 ug/L	94
11) acetone	4.797	43	2693	1.973 ug/L	89
13) tert-Butyl Alcohol (TBA)	5.151	59	4239	13.100 ug/L	100
18) Methyl-t-butyl ether (MTBE	6.179	73	3689	0.358 ug/L #	79
23) 1,1-dichloroethane	7.309	63	3775	0.368 ug/L	98
29) Tetrahydrofuran (THF)	9.398	42	3656	2.833 ug/L #	88
37) benzene	10.768	78	48901	2.378 ug/L	92
41) 1,4-dioxane	12.903	88	1031	23.206 ug/L #	97
57) chlorobenzene	16.248	112	91793	4.628 ug/L	99
64) iso-propylbenzene	17.367	105	11255	0.569 ug/L	99
80) 1,4-dichlorobenzeneV	19.011	146	15475	1.171 ug/L #	66
81) 1,2-dichlorobenzeneV	19.377	146	5616	0.434 ug/L #	1

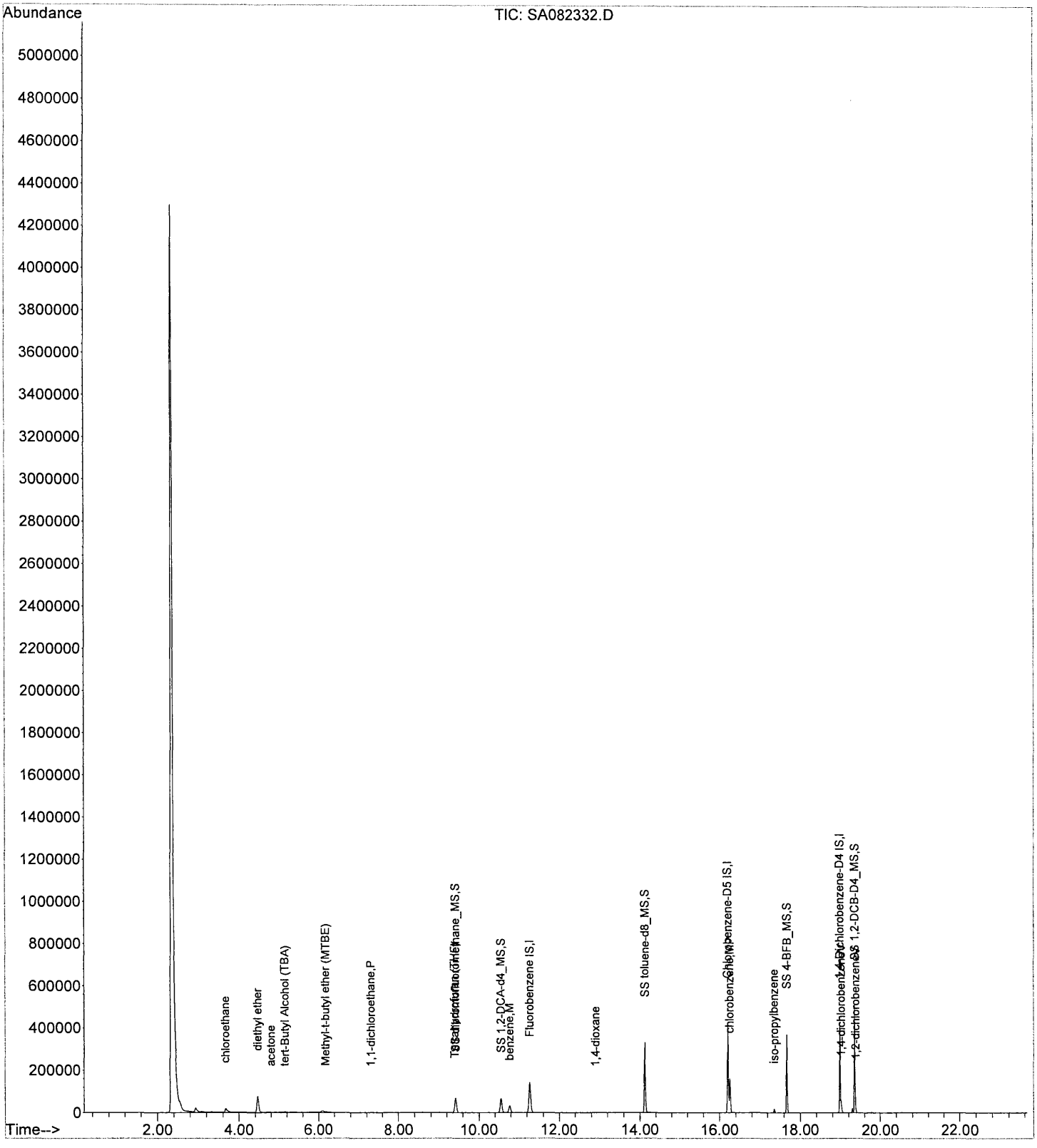
CCC OOC in CV RRX1

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082332.D 4VID0723.M Tue Aug 24 08:09:17 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2310\SA082332.D Vial: 32
Acq On : 24 Aug 2010 4:21 am Operator: KJP
Sample : 92049.20 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 24 8:09 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



524.2
Volatile Organic Analysis

Initial Calibration

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

IS/SS ID= V- 3645 Added Fresh IS/SS

Standard ID= V- 3650 A

Analyst: [redacted] Gas Standard ID= V- 3651

LCS/LCSD and/or MS/MSD Standard ID= V- 3631 (a) 3641 (b)

Date: 7/12/10

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA071201	Blank					VOCMS		[redacted] EMVolts to ~~1454~~ 1541		
2		Blank					VOCMS		EMVolts to 1588		
3		Blank					VOCMS		~~EMVolts to~~ [redacted]		
4		Blank					VOCMS		EMVolts to 1635, BFB tune ; AutoFind		✓
5		BFB					VOCMS		EMVolts to 1612 AutoFind		✓
6		~~BFBBFB~~					VOCMS	SV1D0712	AutoFind FB = 336190		✓
7		BFB25ng					VOCMS	SV1D0712			
8		0.20					VOCMS				
9		0.5					VOCMS				
10		1					VOCMS				
11		2					VOCMS				
12		5					VOCMS				
13		10					VOCMS				
14		20					VOCMS				
15		50					VOCMS				
16		50 G					VOCMS				
17		100					VOCMS				
18		100 G					VOCMS				
19		200					VOCMS				
20		200 G					VOCMS				
21		300					VOCMS				
22		300G					VOCMS		Dioxane only		
23		Blank					VOCMS				
24		1					VOCMS				
25		1					VOCMS				
26		10&20					VOCMS				
							~~VOCMS~~				
							VOCMS				
							VOCMS				
							VOCMS				
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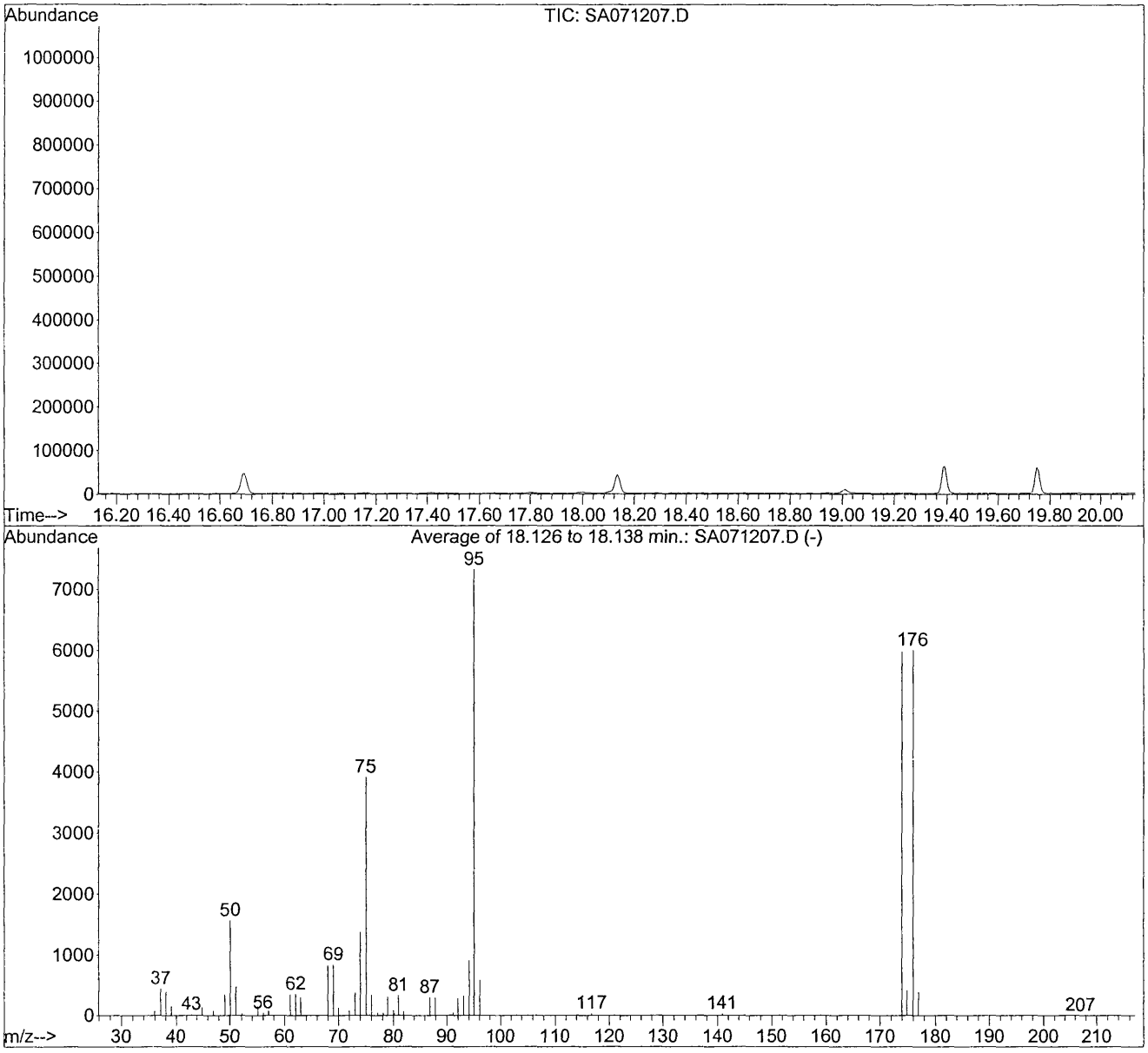
							VOCMS				
							VOCMS				
							~~VOCMS~~				
							VOCMS				

Samples removed from autosampler, order and pH verified by N/A

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071207.D Vial: 7
Acq On : 12 Jul 2010 11:39 am Operator: BAM
Sample : BFB 25 NG Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Method : W:\1\METHODS\2010\5LID0712.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	21.4	1568	PASS
75	95	30	60	53.5	3919	PASS
95	95	100	100	100.0	7327	PASS
96	95	5	9	8.0	587	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.7	5983	PASS
175	174	5	9	6.9	413	PASS
176	174	95	101	100.4	6007	PASS
177	176	5	9	6.5	391	PASS

Response Factor Report VOAMS5

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration

Calibration Files
1 =SA071210.D 2 =SA071211.D 5 =SA071212.D
10 =SA071213.D 20 =SA071214.D 50 =SA071215.D

		Compound	1	2	5	10	20	50	Avg	%RSD
1)	I	Fluorobenzene IS	ISTD							
2)		dichlorodifluor	0.267	0.277	0.303	0.297	0.284		0.287	4.13
3)		chloromethane	0.273	0.246	0.264	0.259	0.238		0.263	11.47
4)		vinyl chloride	0.182	0.178	0.190	0.180	0.169		0.183	9.46
5)		bromomethane	0.112	0.091	0.104	0.105	0.104		0.113	17.24
6)		chloroethane	0.152	0.154	0.158	0.159	0.152		0.158	5.87
7)		trichlorofluoro	0.409	0.409	0.455	0.441	0.423		0.430	3.84
8)		diethyl ether	0.162	0.175	0.176	0.174	0.191	0.173	0.173	5.36
9)		1,1,2-Trichloro	0.213	0.241	0.238	0.233	0.263	0.237	0.236	6.22
10)		acetone			0.095	0.075	0.074	0.068	0.074#	17.41
11)		1,1-dichloroeth	0.256	0.241	0.244	0.233	0.265	0.238	0.242	5.28
12)		tert-Butyl Alco			0.019	0.018	0.019	0.018	0.018#	4.36
13)		methylene chlor	0.287	0.279	0.261	0.255	0.286	0.252	0.274	10.56
14)		carbon disulfid	0.833	0.827	0.769	0.732	0.819	0.738	0.774	6.91
15)		acrylonitrile	0.101	0.104	0.095	0.088	0.096	0.087	0.093#	8.28
16)		Methyl-t-butyl	0.684	0.725	0.709	0.701	0.783	0.702	0.724	6.91
17)		trans-1,2-dichl	0.256	0.286	0.274	0.267	0.303	0.277	0.277	5.48
18)		hexane	0.339	0.374	0.370	0.362	0.407	0.375	0.367	5.51
19)		Isopropyl ether	0.838	0.906	0.891	0.879	0.997	0.894	0.896	5.37
20)		vinyl acetate	0.285	0.321	0.355	0.357	0.337		0.350	11.88
21)		1,1-dichloroeth	0.464	0.496	0.490	0.482	0.546	0.487	0.489	5.27
22)		Ethyl-t-butyl e	0.705	0.789	0.763	0.761	0.860	0.773	0.767	5.85
23)		2,2-dichloropro	0.377	0.432	0.425	0.414	0.467	0.429	0.419	6.32
24)		cis-1,2-dichlor	0.365	0.410	0.399	0.389	0.439	0.392	0.396	5.68
25)		2-butanone (MEK		0.142	0.118	0.108	0.112	0.105	0.114	13.02
26)		bromochlorometh	0.122	0.144	0.144	0.144	0.162	0.147	0.143	7.73
27)		Tetrahydrofuran		0.096	0.077	0.069	0.076	0.067	0.075#	14.94
28)		chloroform	0.474	0.521	0.505	0.495	0.559	0.500	0.503	5.35
29)		SS Dibromofluor	0.249	0.250	0.248	0.252	0.255	0.250	0.251	0.83
30)		1,1,1-trichloro	0.398	0.456	0.452	0.444	0.512	0.467	0.453	6.91
31)		carbon tetrachl	0.321	0.368	0.364	0.369	0.441	0.406	0.375	10.21
32)		1,1-dichloropro	0.360	0.405	0.397	0.387	0.445	0.400	0.396	6.07
33)		SS 1,2-DCA-d4_M	0.318	0.322	0.317	0.315	0.318	0.313	0.316	1.03
34)		tert-amyl methy	0.655	0.737	0.713	0.712	0.806	0.725	0.722	5.77
35)		benzene	1.108	1.184	1.162	1.129	1.282	1.155	1.164	4.93
36)		1,2-dichloroeth	0.392	0.422	0.415	0.404	0.453	0.395	0.406	6.06
37)		trichloroethene	0.273	0.303	0.291	0.286	0.324	0.292	0.293	5.32
38)		1,2-dichloropro	0.253	0.288	0.273	0.274	0.309	0.275	0.277	5.95
39)		dibromomethane	0.154	0.173	0.169	0.170	0.190	0.171	0.171	5.76
40)		bromodichlorome	0.324	0.350	0.359	0.364	0.426	0.392	0.367	8.80
41)		4-methyl-2-pent	0.078	0.083	0.079	0.078	0.089	0.079	0.079#	6.64
42)		cis-1,3-dichlor	0.370	0.439	0.434	0.441	0.510	0.471	0.439	9.41
43)		Chlorobenzene-D	0.784	0.782	0.783	0.781	0.781	0.793	0.785	0.84
44)		SS Toluene-d8_M	0.978	0.986	0.985	0.984	0.994	0.982	0.986	0.78
45)		toluene	1.137	1.281	1.235	1.201	1.371	1.232	1.231	5.70
46)		trans-1,3-dichl	0.331	0.378	0.384	0.402	0.466	0.429	0.396	10.38
47)		1,1,2-trichloro	0.180	0.201	0.194	0.197	0.221	0.196	0.195	6.39
48)		2-hexanone	0.170	0.175	0.165	0.155	0.174	0.159	0.165	5.16
49)		tetrachloroethe	0.295	0.323	0.319	0.321	0.363	0.331	0.323	5.95
50)		1,3-dichloropro	0.374	0.415	0.398	0.397	0.452	0.401	0.402	5.93
51)		dibromochlorome	0.199	0.228	0.231	0.247	0.302	0.288	0.250	15.55
52)		1,2-dibromoetha	0.215	0.242	0.241	0.235	0.272	0.247	0.241	7.03
53)		chlorobenzene	0.766	0.855	0.818	0.823	0.928	0.853	0.832	5.83
54)		1,1,1,2-tetrach	0.236	0.265	0.266	0.275	0.323	0.299	0.276	9.54
55)		ethylbenzene	1.306	1.456	1.451	1.433	1.635	1.483	1.443	6.59

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

Response Factor Report VOAMS5

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration

Calibration Files
1 =SA071210.D 2 =SA071211.D 5 =SA071212.D
10 =SA071213.D 20 =SA071214.D 50 =SA071215.D

		Compound	1	2	5	10	20	50	Avg	%RSD
56)		mp-xylene	0.517	0.591	0.588	0.583	0.670	0.607	0.585	7.74
57)		o-xylene	0.511	0.571	0.566	0.565	0.649	0.595	0.568	7.86
58)		styrene	0.798	0.922	0.927	0.932	1.083	0.996	0.930	9.95
59)		bromoform	0.116	0.126	0.129	0.146	0.183		0.134	20.15
60)		iso-propylbenze	1.229	1.370	1.376	1.376	1.583	1.461	1.383	7.77
61)	S	SS 4-BFB_MS	0.399	0.399	0.402	0.398	0.405	0.405	0.399	1.29
62)		1,4-Dichloroben	0.455	0.463	0.469	0.470	0.483	0.496	0.469	3.18
63)		bromobenzene	0.345	0.382	0.372	0.373	0.428	0.392	0.376	7.97
64)		1,1,2,2-tetrach	0.287	0.296	0.281	0.282	0.317	0.290	0.287	6.13
65)		1,2,3-trichloro	0.090	0.095	0.090	0.086	0.099	0.090	0.090#	5.47
66)		n-propylbenzene	1.588	1.770	1.771	1.745	2.004	1.832	1.756	7.38
67)		2-chlorotoluene	0.992	1.102	1.094	1.079	1.231	1.107	1.090	6.23
68)		4-chlorotoluene	1.006	1.125	1.102	1.089	1.254	1.107	1.093	7.24
69)		1,3,5-trimethyl	1.118	1.279	1.292	1.287	1.494	1.359	1.286	8.97
70)		tert-butylbenze	0.980	1.078	1.105	1.104	1.272	1.164	1.100	8.36
71)		1,2,4-trimethyl	1.171	1.348	1.326	1.337	1.546	1.411	1.335	8.65
72)		sec-butylbenzen	1.427	1.639	1.620	1.628	1.905	1.733	1.633	9.04
73)		1,3-dichloroben	0.690	0.756	0.744	0.743	0.857	0.787	0.754	7.12
74)		p-isopropyltolu	1.184	1.333	1.375	1.374	1.603	1.472	1.364	10.41
75)		1,4-dichloroben	0.702	0.755	0.748	0.746	0.860	0.787	0.759	6.48
76)		1,2-dichloroben	0.671	0.718	0.692	0.708	0.812	0.744	0.714	6.89
77)		n-butylbenzene	1.077	1.244	1.250	1.258	1.461	1.318	1.239	10.31
78)	S	SS 1,2-DCB-D4_M	0.417	0.423	0.420	0.430	0.435	0.445	0.424	3.12
79)		1,2-dibromo-3-c	0.051	0.051	0.050	0.055	0.067	0.066	0.057#	14.66
80)		1,3,5-trichloro	0.461	0.504	0.485	0.493	0.576	0.529	0.501	8.16
81)		1,2,4-trichloro	0.398	0.413	0.400	0.415	0.481	0.449	0.420	8.77
82)		hexachlorobutad	0.190	0.215	0.219	0.220	0.253	0.236	0.225	9.47
83)		naphthaleneV	0.912	0.936	0.937	0.981	1.154	1.056	0.977	11.26
84)		1,2,3-trichloro	0.337	0.368	0.357	0.370	0.430	0.394	0.371	8.98
85)		SS 2,5-DBT_MS	0.124	0.142	0.141	0.152	0.185	0.177	0.152	16.35

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

Compound List Report VOAMS5

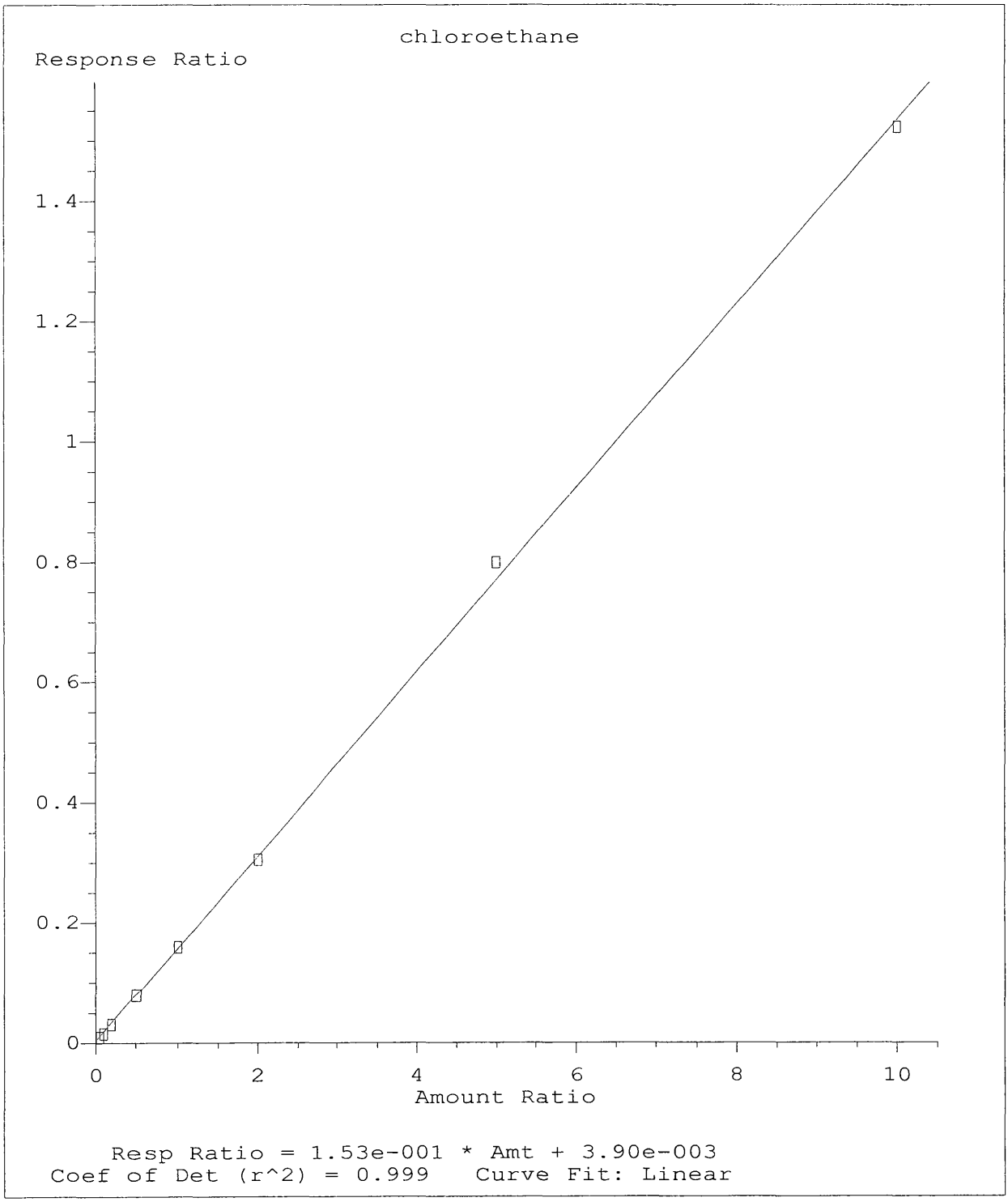
Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
Total Cpnds : 85

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene IS	96	11.99	1.000	A	2	A	B
2		dichlorodifluoromethane	85	2.87	0.239	A	2	A	B
3		chloromethane	50	3.21	0.268	A	1	A	B
4		vinyl chloride	62	3.35	0.279	A	1	A	B
5		bromomethane	94	4.01	0.334	A	2	A	B
6		chloroethane	64	4.13	0.344	L	2	A	B
7		trichlorofluoromethane	101	4.53	0.378	A	2	A	B
8		diethyl ether	59	5.03	0.419	A	2	A	B
9		1,1,2-Trichlorotrifluoroethane	101	5.28	0.440	A	2	A	B
10		acetone	43	5.40	0.451	A	1	A	B
11		1,1-dichloroethene	96	5.63	0.469	A	3	A	B
12		tert-Butyl Alcohol (TBA)	59	5.79	0.483	A	1	A	B
13		methylene chloride	84	6.57	0.548	A	2	A	B
14		carbon disulfide	76	6.59	0.549	A	1	A	B
15		acrylonitrile	53	6.83	0.570	A	2	A	B
16		Methyl-t-butyl ether (MTBE)	73	6.86	0.572	A	3	A	B
17		trans-1,2-dichloroethene	96	7.15	0.597	A	3	A	B
18		hexane	57	7.27	0.607	A	3	A	B
19		Isopropyl ether (DIPE)	45	7.81	0.651	A	3	A	B
20		vinyl acetate	43	8.06	0.673	A	1	A	B
21		1,1-dichloroethane	63	8.05	0.671	A	2	A	B
22		Ethyl-t-butyl ether (ETBE)	59	8.69	0.725	A	3	A	B
23		2,2-dichloropropane	77	9.26	0.772	A	3	A	B
24		cis-1,2-dichloroethene	61	9.37	0.781	A	3	A	B
25		2-butanone (MEK)	43	8.98	0.749	A	2	A	B
26		bromochloromethane	128	10.09	0.842	A	3	A	B
27		Tetrahydrofuran (THF)	42	10.16	0.848	A	2	A	B
28		chloroform	83	9.71	0.810	A	2	A	B
29		SS Dibromofluoromethane_MS	111	10.20	0.851	A	2	A	B
30		1,1,1-trichloroethane	97	10.61	0.885	A	3	A	B
31		carbon tetrachloride	117	11.18	0.932	A	3	A	B
32		1,1-dichloropropene	75	10.97	0.915	A	3	A	B
33		SS 1,2-DCA-d4_MS	65	11.34	0.945	A	2	A	B
34		tert-amyl methyl ether (TAME)	73	11.24	0.938	A	3	A	B
35		benzene	78	11.56	0.964	A	3	A	B
36		1,2-dichloroethane	62	11.54	0.963	A	2	A	B
37		trichloroethene	95	12.74	1.062	A	3	A	B
38		1,2-dichloropropane	63	13.05	1.089	A	3	A	B
39		dibromomethane	93	13.53	1.129	A	3	A	B
40		bromodichloromethane	83	13.45	1.121	A	3	A	B
41		4-methyl-2-pentanone (MIBK)	58	13.99	1.167	A	3	A	B
42		cis-1,3-dichloropropene	75	14.30	1.193	A	3	A	B
43		Chlorobenzene-D5 IS	117	16.69	1.392	A	2	A	B
44		SS Toluene-d8_MS	98	14.65	1.222	A	2	A	B
45		toluene	91	14.77	1.232	A	3	A	B
46		trans-1,3-dichloropropene	75	15.03	1.254	A	3	A	B
47		1,1,2-trichloroethane	83	15.25	1.272	A	3	A	B
48		2-hexanone	43	15.26	1.272	A	2	A	B
49		tetrachloroethene	166	15.68	1.308	A	3	A	B
50		1,3-dichloropropane	76	15.60	1.301	A	2	A	B
51		dibromochloromethane	129	15.96	1.331	A	3	A	B
52		1,2-dibromoethane	107	16.22	1.353	A	3	A	B
53		chlorobenzene	112	16.74	1.396	A	2	A	B
54		1,1,1,2-tetrachloroethane	131	16.79	1.400	A	3	A	B
55		ethylbenzene	91	16.79	1.401	A	3	A	B
56		mp-xylene	106	16.89	1.408	A	3	A	B
57		o-xylene	106	17.42	1.453	A	3	A	B
58		styrene	104	17.46	1.456	A	3	A	B
59		bromoform	173	17.89	1.492	A	3	A	B
60		iso-propylbenzene	105	17.83	1.487	A	3	A	B
61	S	SS 4-BFB_MS	95	18.13	1.512	A	3	A	B
62		1,4-Dichlorobenzene-D4 IS	152	19.39	1.617	A	3	A	B
63		bromobenzene	156	18.38	1.533	A	3	A	B
64		1,1,2,2-tetrachloroethane	83	18.04	1.504	A	3	A	B
65		1,2,3-trichloropropane	110	18.21	1.519	A	3	A	B

66		n-propylbenzene	91	18.29	1.525	A	1	A	B
67		2-chlorotoluene	91	18.52	1.544	A	2	A	B
68		4-chlorotoluene	91	18.54	1.546	A	2	A	B
69		1,3,5-trimethylbenzene	105	18.46	1.540	A	3	A	B
70		tert-butylbenzene	119	18.85	1.572	A	3	A	B
71		1,2,4-trimethylbenzene	105	18.89	1.575	A	3	A	B
72		sec-butylbenzene	105	19.07	1.590	A	3	A	B
73		1,3-dichlorobenzeneV	146	19.33	1.612	A	3	A	B
74		p-isopropyltoluene	119	19.19	1.601	A	3	A	B
75		1,4-dichlorobenzeneV	146	19.43	1.620	A	3	A	B
76		1,2-dichlorobenzeneV	146	19.78	1.650	A	3	A	B
77		n-butylbenzene	91	19.58	1.633	A	3	A	B
78	S	SS 1,2-DCB-D4_MS	152	19.75	1.647	A	3	A	B
79		1,2-dibromo-3-chloropropane	157	20.53	1.712	A	3	A	B
80		1,3,5-trichlorobenzV	180	20.75	1.731	A	3	A	B
81		1,2,4-trichlorobenzV	180	21.44	1.788	A	3	A	B
82		hexachlorobutadieneV	225	21.57	1.799	A	3	A	B
83		naphthaleneV	128	21.77	1.816	A	3	A	B
84		1,2,3-trichlorobenzV	180	22.06	1.840	A	3	A	B
85		SS 2,5-DBT_MS	250	23.37	1.949	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

5LID0712.M Thu Sep 02 09:23:24 2010



Method Name: W:\1\METHODS\2010\5LID0712.M
Calibration Table Last Updated: Tue Jul 13 09:14:06 2010

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071208.D Vial: 8
Acq On : 12 Jul 2010 12:13 pm Operator: BAM
Sample : 0.20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 15:33:39 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

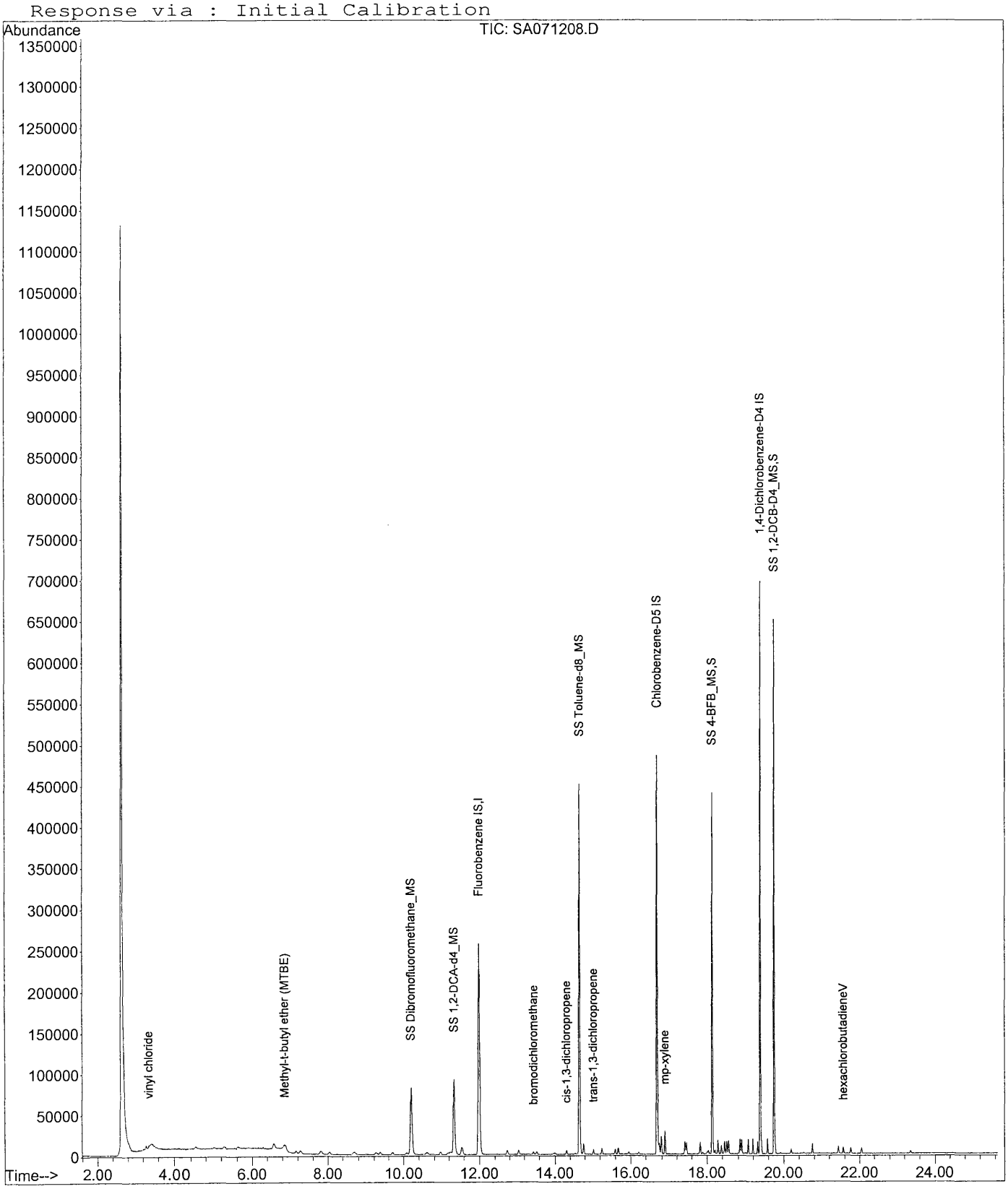
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.99	96	324442	10.000	ug/L	-0.07
System Monitoring Compounds						
61) SS 4-BFB_MS	18.13	95	129069	10.49	ug/L	-0.05
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.93%			
78) SS 1,2-DCB-D4_MS	19.75	152	134544	9.73	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.29%			
Target Compounds						Qvalue
4) vinyl chloride	3.35	62	2258	0.303	ug/L	91
16) Methyl-t-butyl ether (MTBE	6.86	73	10720m	0.484	ug/L	
29) SS Dibromofluoromethane_MS	10.20	111	80958	9.701	ug/L #	95
33) SS 1,2-DCA-d4_MS	11.33	65	101934	10.456	ug/L	96
40) bromodichloromethane	13.44	83	2452	0.217	ug/L #	97
42) cis-1,3-dichloropropene	14.30	75	2898	0.223	ug/L #	70
43) Chlorobenzene-D5 IS	16.69	117	257370	10.097	ug/L	94
44) SS Toluene-d8_MS	14.65	98	323095	10.225	ug/L	97
46) trans-1,3-dichloropropene	15.03	75	2582	0.229	ug/L #	71
56) mp-xylene	16.88	106	7981	0.405	ug/L	93
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	150210	9.806	ug/L	90
82) hexachlorobutadieneV	21.56	225	1675	0.247	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071208.D Vial: 8
Acq On : 12 Jul 2010 12:13 pm Operator: BAM
Sample : 0.20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 15:35 2010 Quant Results File: 5LID0712.RES

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071209.D Vial: 9
Acq On : 12 Jul 2010 12:47 pm Operator: BAM
Sample : 0.5 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 15:43:12 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.99	96	326010	10.000 ug/L	-0.07
System Monitoring Compounds					
61) SS 4-BFB_MS	18.13	95	129864	10.51 ug/L	-0.05
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.07%		
78) SS 1,2-DCB-D4_MS	19.75	152	136062	9.79 ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.92%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.87	85	4792	0.466 ug/L #	97
3) chloromethane	3.22	50	5394	0.427 ug/L #	81
4) vinyl chloride	3.36	62	3615	0.483 ug/L	99
5) bromomethane	4.01	94	2558	Below Cal #	94
6) chloroethane	4.12	64	2932	0.407 ug/L	96
7) trichlorofluoromethane	4.53	101	7171	0.412 ug/L #	93
8) diethyl ether	5.02	59	2653	0.363 ug/L #	76
9) 1,1,2-Trichlorotrifluoroet	5.28	101	3850	0.410 ug/L	96
11) 1,1-dichloroethene	5.62	96	3859	0.383 ug/L	99
13) methylene chloride	6.56	84	5403	0.451 ug/L	97
14) carbon disulfide	6.58	76	17506	0.568 ug/L #	83
16) Methyl-t-butyl ether (MTBE	6.85	73	23543	1.057 ug/L #	95
17) trans-1,2-dichloroethene	7.15	96	4677	0.500 ug/L	95
18) hexane	7.28	57	5950	0.598 ug/L	89
19) Isopropyl ether (DIPE)	7.80	45	14857	0.593 ug/L	95
21) 1,1-dichloroethane	8.05	63	7878	0.458 ug/L #	95
22) Ethyl-t-butyl ether (ETBE)	8.69	59	12095	0.547 ug/L	97
23) 2,2-dichloropropane	9.26	77	6618	0.564 ug/L #	82
24) cis-1,2-dichloroethene	9.37	61	6451	0.498 ug/L	99
25) 2-butanone (MEK)	8.98	43	3165m	1.050 ug/L	
26) bromochloromethane	10.08	128	2244	0.437 ug/L	96
27) Tetrahydrofuran (THF)	10.16	42	2772m	1.424 ug/L	
28) chloroform	9.71	83	8021	0.474 ug/L	98
29) SS Dibromofluoromethane_MS	10.20	111	81764	9.751 ug/L #	96
30) 1,1,1-trichloroethane	10.60	97	7278	0.561 ug/L	96
31) carbon tetrachloride	11.17	117	5504	0.552 ug/L	98
32) 1,1-dichloropropene	10.97	75	6422	0.533 ug/L #	76
33) SS 1,2-DCA-d4_MS	11.33	65	103520	10.568 ug/L	96
34) tert-amyl methyl ether (TA	11.24	73	11702	0.602 ug/L	98
35) benzene	11.56	78	19391	0.490 ug/L	97
36) 1,2-dichloroethane	11.53	62	6395	0.471 ug/L	97
37) trichloroethene	12.73	95	4774	0.481 ug/L	94
38) 1,2-dichloropropane	13.05	63	4491	0.466 ug/L #	84
39) dibromomethane	13.53	93	2783	0.464 ug/L #	92
40) bromodichloromethane	13.44	83	5314	0.469 ug/L #	97
41) 4-methyl-2-pentanone (MIBK	14.00	58	1149	0.489 ug/L #	65
42) cis-1,3-dichloropropene	14.30	75	6339	0.486 ug/L #	82
43) Chlorobenzene-D5 IS	16.69	117	254781	9.948 ug/L	93
44) SS Toluene-d8_MS	14.65	98	321393	10.123 ug/L	97
45) toluene	14.77	91	19554	0.457 ug/L	98
46) trans-1,3-dichloropropene	15.03	75	5708	0.503 ug/L #	85
47) 1,1,2-trichloroethane	15.25	83	2973	0.420 ug/L	90
48) 2-hexanone	15.25	43	2939	0.700 ug/L #	84
49) tetrachloroethene	15.67	166	5087	0.446 ug/L #	94
50) 1,3-dichloropropane	15.60	76	6239	0.453 ug/L #	79

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071209.D Vial: 9
Acq On : 12 Jul 2010 12:47 pm Operator: BAM
Sample : 0.5 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 15:43:12 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

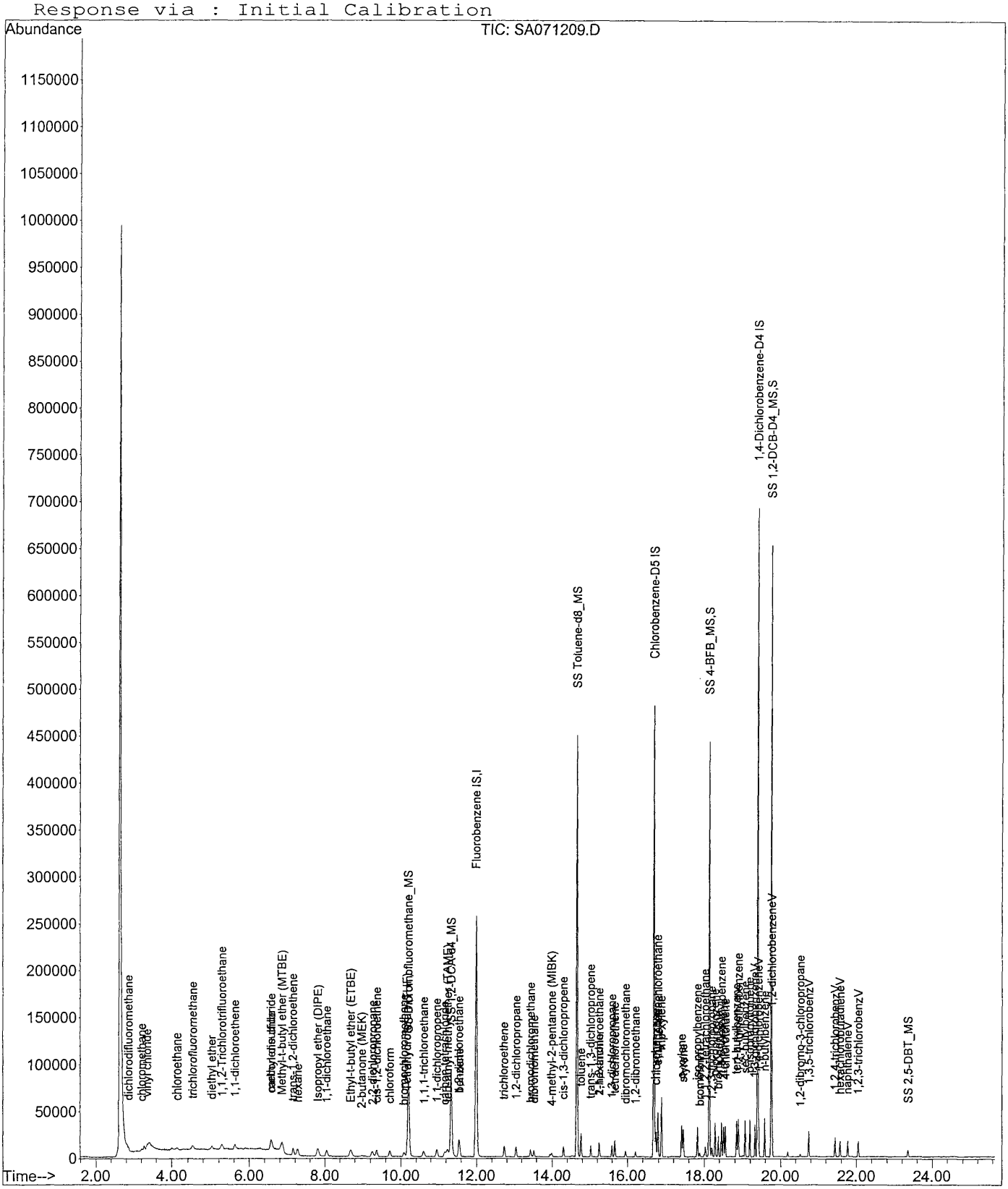
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
51) dibromochloromethane	15.95	129	3457	0.470 ug/L	#	100
52) 1,2-dibromoethane	16.22	107	3672	0.459 ug/L	#	99
53) chlorobenzene	16.74	112	12958	0.424 ug/L	#	91
54) 1,1,1,2-tetrachloroethane	16.78	131	4256	0.498 ug/L	#	73
55) ethylbenzene	16.79	91	22553	0.464 ug/L		100
56) mp-xylene	16.88	106	17447	0.882 ug/L		92
57) o-xylene	17.41	106	8312	0.468 ug/L		95
58) styrene	17.46	104	13262	0.422 ug/L	#	94
59) bromoform	17.89	173	1747	0.479 ug/L	#	91
60) iso-propylbenzene	17.83	105	20873	0.492 ug/L		97
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	151290	9.829 ug/L		90
63) bromobenzene	18.38	156	5379	0.405 ug/L	#	83
64) 1,1,2,2-tetrachloroethane	18.03	83	4141m	0.409 ug/L		
65) 1,2,3-trichloropropane	18.20	110	1363	0.440 ug/L		92
66) n-propylbenzene	18.28	91	26266	0.459 ug/L		100
67) 2-chlorotoluene	18.51	91	17161	0.463 ug/L		97
68) 4-chlorotoluene	18.56	91	16366m	0.448 ug/L		
69) 1,3,5-trimethylbenzene	18.45	105	18895	0.473 ug/L		97
70) tert-butylbenzene	18.84	119	16259	0.472 ug/L		96
71) 1,2,4-trimethylbenzene	18.89	105	19707	0.467 ug/L	#	95
72) sec-butylbenzene	19.06	105	24002	0.468 ug/L		98
73) 1,3-dichlorobenzeneV	19.32	146	11256	0.430 ug/L		96
74) p-isopropyltoluene	19.18	119	19081	0.442 ug/L	#	94
75) 1,4-dichlorobenzeneV	19.42	146	11574m	0.430 ug/L		
76) 1,2-dichlorobenzeneV	19.78	146	10594	0.418 ug/L	#	1
77) n-butylbenzene	19.58	91	17290	0.439 ug/L		99
79) 1,2-dibromo-3-chloropropan	20.52	157	806	0.528 ug/L		96
80) 1,3,5-trichlorobenzV	20.75	180	7249	0.441 ug/L	#	91
81) 1,2,4-trichlorobenzV	21.44	180	5884	0.445 ug/L	#	92
82) hexachlorobutadieneV	21.56	225	3415	0.502 ug/L		96
83) naphthaleneV	21.76	128	12909	1.111 ug/L	#	97
84) 1,2,3-trichlorobenzV	22.06	180	5310	0.442 ug/L	#	92
85) SS 2,5-DBT_MS	23.36	250	1949	2.154 ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071209.D Vial: 9
Acq On : 12 Jul 2010 12:47 pm Operator: BAM
Sample : 0.5 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 15:45 2010 Quant Results File: 5LID0712.RES

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071211.D Vial: 11
Acq On : 12 Jul 2010 1:56 pm Operator: BAM
Sample : 2 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 15:48:41 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene IS	11.99	96	329899	10.000	ug/L		-0.07
System Monitoring Compounds							
61) SS 4-BFB_MS	18.13	95	131773	10.54	ug/L		-0.05
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.35%				
78) SS 1,2-DCB-D4_MS	19.75	152	139700	9.94	ug/L		-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.35%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	2.87	85	18278	1.755	ug/L		98
3) chloromethane	3.22	50	16239	1.271	ug/L		95
4) vinyl chloride	3.36	62	11776	1.554	ug/L		98
5) bromomethane	4.00	94	5987m	0.685	ug/L		
6) chloroethane	4.12	64	10133	1.390	ug/L	#	91
7) trichlorofluoromethane	4.53	101	27009	1.535	ug/L		97
8) diethyl ether	5.02	59	11565	1.562	ug/L		89
9) 1,1,2-Trichlorotrifluoroet	5.27	101	15897	1.673	ug/L		96
10) acetone	5.38	43	7889m	3.275	ug/L		
11) 1,1-dichloroethene	5.61	96	15932	1.562	ug/L		97
12) tert-Butyl Alcohol (TBA)	5.78	59	6854	9.520	ug/L		98
13) methylene chloride	6.56	84	18395	1.519	ug/L		97
14) carbon disulfide	6.59	76	54548	1.749	ug/L		100
15) acrylonitrile	6.83	53	6866	1.946	ug/L	#	87
16) Methyl-t-butyl ether (MTBE	6.85	73	95626	4.244	ug/L		95
17) trans-1,2-dichloroethene	7.15	96	18895	1.997	ug/L		98
18) hexane	7.27	57	24654	2.448	ug/L		92
19) Isopropyl ether (DIPE)	7.81	45	59785	2.357	ug/L		98
20) vinyl acetate	8.06	43	21155m	4.854	ug/L		
21) 1,1-dichloroethane	8.05	63	32713	1.881	ug/L		99
22) Ethyl-t-butyl ether (ETBE)	8.68	59	52026	2.323	ug/L	#	92
23) 2,2-dichloropropane	9.26	77	28509	2.401	ug/L		97
24) cis-1,2-dichloroethene	9.35	61	27043	2.064	ug/L		95
25) 2-butanone (MEK)	8.97	43	9373m	3.074	ug/L		
26) bromochloromethane	10.08	128	9507	1.830	ug/L		95
27) Tetrahydrofuran (THF)	10.16	42	6341	3.219	ug/L	#	61
28) chloroform	9.71	83	34357	2.007	ug/L		98
29) SS Dibromofluoromethane_MS	10.19	111	82546	9.728	ug/L	#	96
30) 1,1,1-trichloroethane	10.60	97	30080	2.292	ug/L		98
31) carbon tetrachloride	11.18	117	24299	2.408	ug/L		99
32) 1,1-dichloropropene	10.96	75	26691	2.188	ug/L	#	88
33) SS 1,2-DCA-d4_MS	11.33	65	106343	10.728	ug/L		95
34) tert-amyl methyl ether (TA	11.23	73	48628	2.473	ug/L		92
35) benzene	11.55	78	78152	1.951	ug/L		99
36) 1,2-dichloroethane	11.54	62	27813	2.024	ug/L		100
37) trichloroethene	12.73	95	19974	1.989	ug/L		96
38) 1,2-dichloropropane	13.05	63	18994	1.949	ug/L	#	93
39) dibromomethane	13.53	93	11396	1.878	ug/L	#	98
40) bromodichloromethane	13.44	83	23125	2.015	ug/L		98
41) 4-methyl-2-pentanone (MIBK	13.99	58	5456	2.295	ug/L		88
42) cis-1,3-dichloropropene	14.30	75	28972	2.195	ug/L	#	91
43) Chlorobenzene-D5 IS	16.69	117	258099	9.958	ug/L		94
44) SS Toluene-d8_MS	14.65	98	325227	10.123	ug/L		97
45) toluene	14.77	91	84509	1.951	ug/L		98
46) trans-1,3-dichloropropene	15.03	75	24953	2.172	ug/L	#	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071211.D Vial: 11
Acq On : 12 Jul 2010 1:56 pm Operator: BAM
Sample : 2 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 15:48:41 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

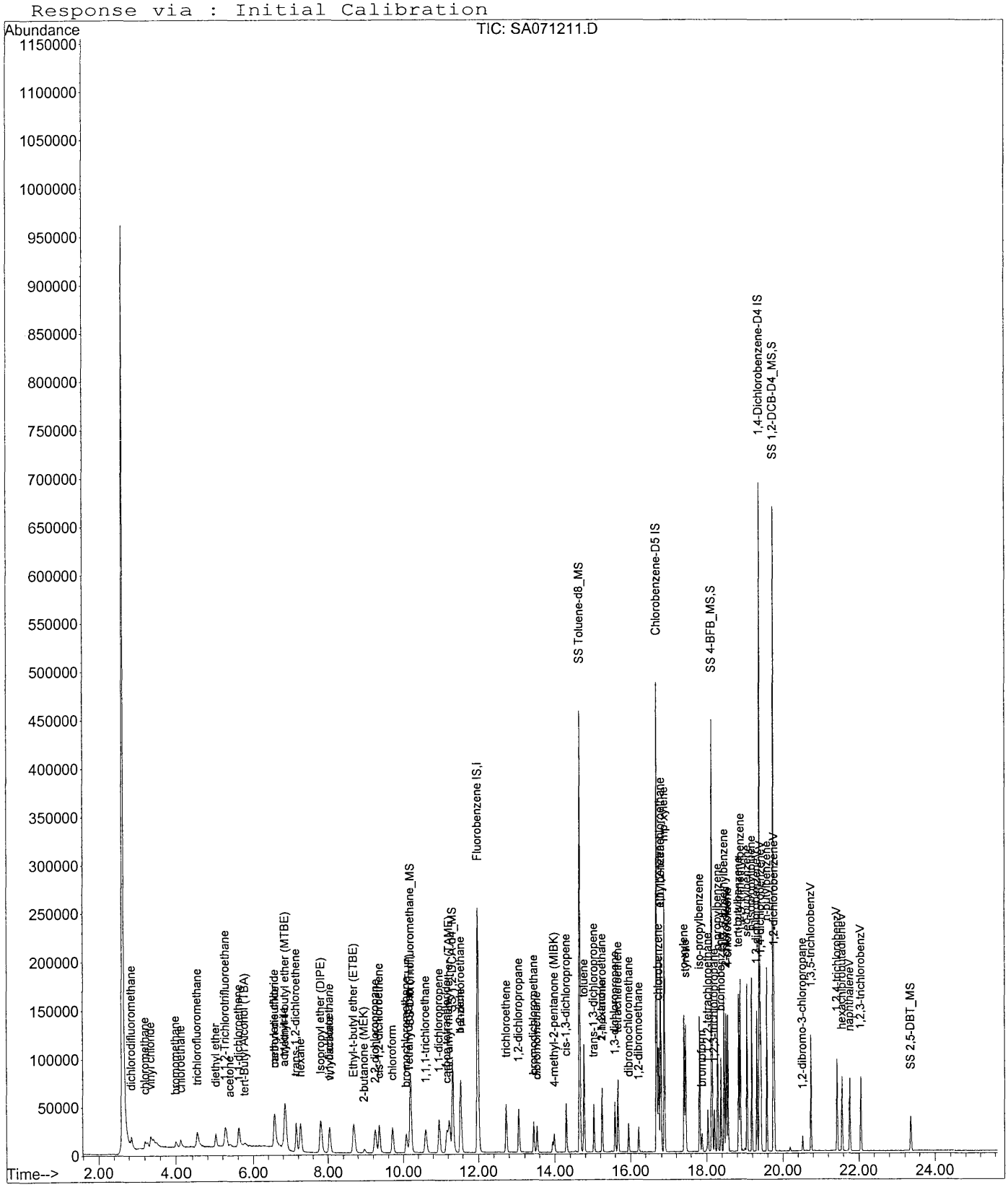
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	1,1,2-trichloroethane	15.25	83	13238	1.849	ug/L		95
48)	2-hexanone	15.25	43	11567	2.721	ug/L		95
49)	tetrachloroethene	15.67	166	21299	1.845	ug/L	#	93
50)	1,3-dichloropropane	15.60	76	27406	1.967	ug/L		87
51)	dibromochloromethane	15.95	129	15061	2.024	ug/L	#	99
52)	1,2-dibromoethane	16.22	107	16000	1.975	ug/L	#	99
53)	chlorobenzene	16.74	112	56396	1.823	ug/L		93
54)	1,1,1,2-tetrachloroethane	16.79	131	17467	2.020	ug/L		99
55)	ethylbenzene	16.79	91	96058	1.953	ug/L		98
56)	mp-xylene	16.88	106	77980	3.896	ug/L		98
57)	o-xylene	17.41	106	37696	2.096	ug/L		99
58)	styrene	17.46	104	60859	1.912	ug/L		95
59)	bromoform	17.88	173	8290	2.248	ug/L	#	93
60)	iso-propylbenzene	17.82	105	90391	2.104	ug/L		99
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	152621	9.799	ug/L		92
63)	bromobenzene	18.38	156	25190	1.874	ug/L		94
64)	1,1,2,2-tetrachloroethane	18.04	83	19550	1.909	ug/L	#	1
65)	1,2,3-trichloropropane	18.21	110	6280	2.006	ug/L		96
66)	n-propylbenzene	18.28	91	116774	2.014	ug/L		98
67)	2-chlorotoluene	18.51	91	72677	1.939	ug/L		98
68)	4-chlorotoluene	18.56	91	74252m	2.010	ug/L		
69)	1,3,5-trimethylbenzene	18.45	105	84370	2.087	ug/L		96
70)	tert-butylbenzene	18.84	119	71101	2.039	ug/L		97
71)	1,2,4-trimethylbenzene	18.89	105	88937	2.082	ug/L		96
72)	sec-butylbenzene	19.06	105	108137	2.083	ug/L		98
73)	1,3-dichlorobenzeneV	19.32	146	49903	1.883	ug/L		96
74)	p-isopropyltoluene	19.18	119	87954	2.011	ug/L		97
75)	1,4-dichlorobenzeneV	19.42	146	49826m	1.829	ug/L		
76)	1,2-dichlorobenzeneV	19.78	146	47367	1.845	ug/L	#	87
77)	n-butylbenzene	19.58	91	82082	2.060	ug/L		98
79)	1,2-dibromo-3-chloropropan	20.52	157	3384	2.191	ug/L	#	89
80)	1,3,5-trichlorobenzV	20.75	180	33273	2.001	ug/L		94
81)	1,2,4-trichlorobenzV	21.44	180	27282	2.037	ug/L		95
82)	hexachlorobutadieneV	21.56	225	14167	2.058	ug/L		96
83)	naphthaleneV	21.77	128	61785	2.401	ug/L	#	98
84)	1,2,3-trichlorobenzV	22.05	180	24272	1.996	ug/L	#	93
85)	SS 2,5-DBT_MS	23.36	250	9397	3.520	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071211.D Vial: 11
Acq On : 12 Jul 2010 1:56 pm Operator: BAM
Sample : 2 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:07 2010 Quant Results File: 5LID0712.RES

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071210.D Vial: 10
Acq On : 12 Jul 2010 1:22 pm Operator: BAM
Sample : 1 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 15:46:32 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.99	96	331194	10.000 ug/L	-0.07
System Monitoring Compounds					
61) SS 4-BFB_MS	18.13	95	132047	10.52 ug/L	-0.05
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.16%		
78) SS 1,2-DCB-D4_MS	19.75	152	138170	9.79 ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.88%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.87	85	8849	0.846 ug/L	98
3) chloromethane	3.22	50	9050	0.705 ug/L	89
4) vinyl chloride	3.35	62	6041	0.794 ug/L	93
5) bromomethane	4.01	94	3722m	0.220 ug/L	
6) chloroethane	4.13	64	5026	0.687 ug/L #	82
7) trichlorofluoromethane	4.54	101	13555	0.767 ug/L	94
8) diethyl ether	5.02	59	5376	0.723 ug/L	92
9) 1,1,2-Trichlorotrifluoroet	5.28	101	7047	0.739 ug/L	89
11) 1,1-dichloroethene	5.63	96	8480m	0.828 ug/L	
13) methylene chloride	6.56	84	9515	0.782 ug/L	95
14) carbon disulfide	6.58	76	27601	0.882 ug/L	97
15) acrylonitrile	6.84	53	3340m	0.943 ug/L	
16) Methyl-t-butyl ether (MTBE	6.87	73	45339m	2.004 ug/L	
17) trans-1,2-dichloroethene	7.15	96	8486	0.893 ug/L	97
18) hexane	7.27	57	11234	1.111 ug/L	94
19) Isopropyl ether (DIPE)	7.81	45	27752	1.090 ug/L	98
20) vinyl acetate	8.05	43	9454m	3.944 ug/L	
21) 1,1-dichloroethane	8.04	63	15365	0.880 ug/L	96
22) Ethyl-t-butyl ether (ETBE)	8.69	59	23342	1.038 ug/L	96
23) 2,2-dichloropropane	9.26	77	12479	1.047 ug/L	95
24) cis-1,2-dichloroethene	9.36	61	12080	0.918 ug/L	99
25) 2-butanone (MEK)	8.98	43	4458m	1.456 ug/L	
26) bromochloromethane	10.10	128	4041	0.775 ug/L	89
27) Tetrahydrofuran (THF)	10.17	42	3831	1.937 ug/L #	81
28) chloroform	9.71	83	15709	0.914 ug/L	97
29) SS Dibromofluoromethane_MS	10.20	111	82302	9.661 ug/L #	95
30) 1,1,1-trichloroethane	10.60	97	13191	1.001 ug/L	98
31) carbon tetrachloride	11.18	117	10627	1.049 ug/L #	95
32) 1,1-dichloropropene	10.96	75	11933	0.975 ug/L #	84
33) SS 1,2-DCA-d4_MS	11.33	65	105428	10.594 ug/L	96
34) tert-amyl methyl ether (TA	11.25	73	21697	1.099 ug/L #	91
35) benzene	11.55	78	36691	0.912 ug/L	99
36) 1,2-dichloroethane	11.54	62	12998	0.942 ug/L	99
37) trichloroethene	12.73	95	9032	0.896 ug/L	95
38) 1,2-dichloropropane	13.05	63	8380	0.857 ug/L #	88
39) dibromomethane	13.53	93	5109	0.839 ug/L #	97
40) bromodichloromethane	13.44	83	10737	0.932 ug/L	96
41) 4-methyl-2-pentanone (MIBK	13.99	58	2573	1.078 ug/L	87
42) cis-1,3-dichloropropene	14.30	75	12256	0.925 ug/L #	84
43) Chlorobenzene-D5 IS	16.69	117	259723	9.982 ug/L	94
44) SS Toluene-d8_MS	14.65	98	323788	10.038 ug/L	96
45) toluene	14.77	91	37655	0.866 ug/L	98
46) trans-1,3-dichloropropene	15.03	75	10969	0.951 ug/L #	86
47) 1,1,2-trichloroethane	15.25	83	5954	0.828 ug/L	96
48) 2-hexanone	15.26	43	5628	1.319 ug/L	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071210.D Vial: 10
Acq On : 12 Jul 2010 1:22 pm Operator: BAM
Sample : 1 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 15:46:32 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

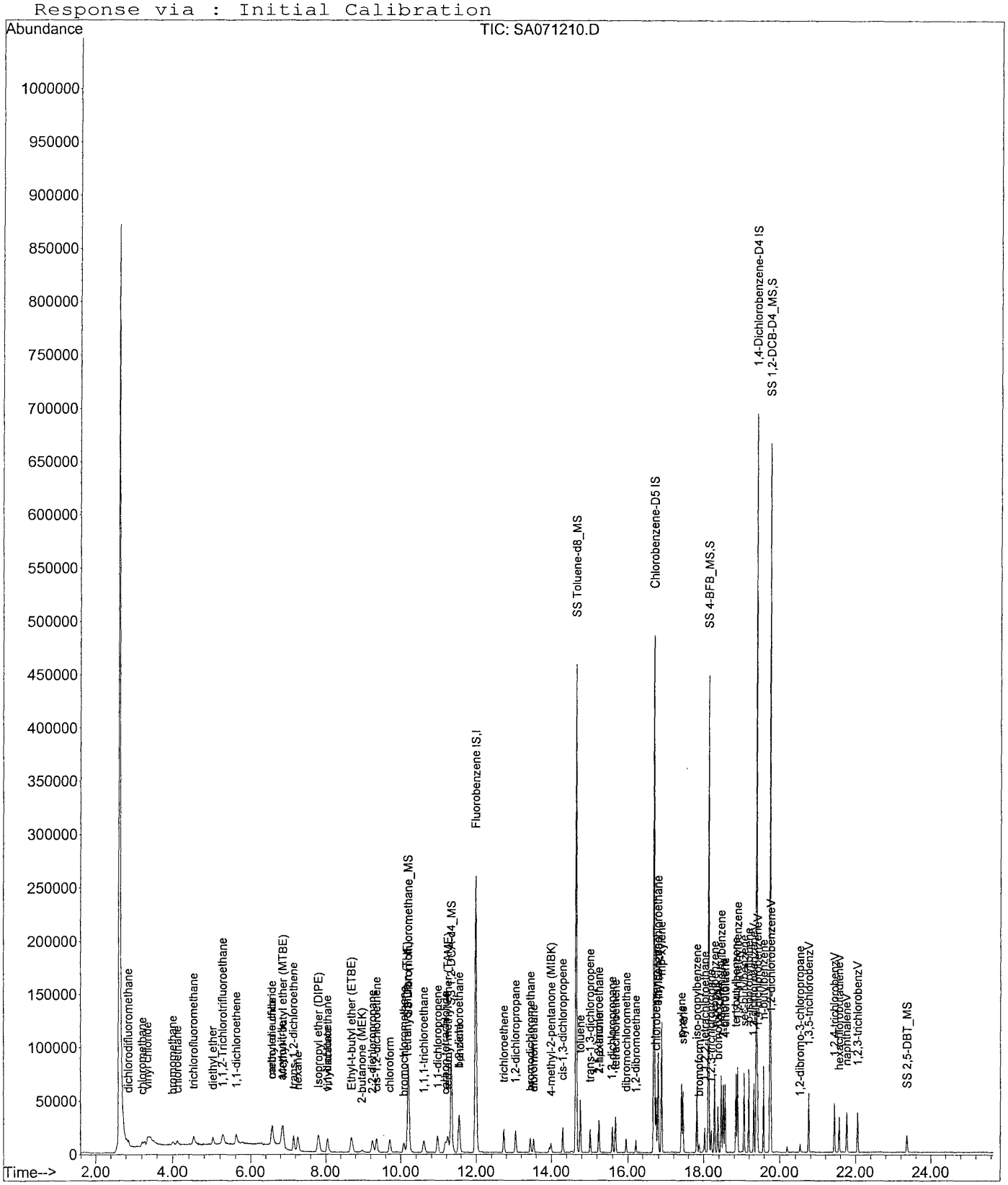
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	tetrachloroethene	15.67	166	9772	0.843	ug/L	#	96
50)	1,3-dichloropropane	15.60	76	12378	0.885	ug/L	#	81
51)	dibromochloromethane	15.95	129	6586	0.882	ug/L	#	97
52)	1,2-dibromoethane	16.22	107	7105	0.874	ug/L	#	96
53)	chlorobenzene	16.74	112	25368	0.817	ug/L		92
54)	1,1,1,2-tetrachloroethane	16.79	131	7822	0.901	ug/L	#	73
55)	ethylbenzene	16.79	91	43255	0.876	ug/L		99
56)	mp-xylene	16.88	106	34213	1.703	ug/L		94
57)	o-xylene	17.41	106	16932	0.938	ug/L		98
58)	styrene	17.46	104	26443	0.827	ug/L	#	92
59)	bromoform	17.88	173	3841	1.037	ug/L	#	90
60)	iso-propylbenzene	17.82	105	40696	0.944	ug/L		98
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	150835	9.646	ug/L		91
63)	bromobenzene	18.38	156	11420	0.846	ug/L		93
64)	1,1,2,2-tetrachloroethane	18.04	83	9492	0.923	ug/L	#	1
65)	1,2,3-trichloropropane	18.21	110	2978	0.947	ug/L		98
66)	n-propylbenzene	18.28	91	52596	0.904	ug/L		99
67)	2-chlorotoluene	18.51	91	32850	0.873	ug/L		98
68)	4-chlorotoluene	18.56	91	33306m	0.898	ug/L		
69)	1,3,5-trimethylbenzene	18.45	105	37028	0.912	ug/L		96
70)	tert-butylbenzene	18.84	119	32447	0.927	ug/L		97
71)	1,2,4-trimethylbenzene	18.89	105	38799	0.905	ug/L	#	96
72)	sec-butylbenzene	19.06	105	47263	0.907	ug/L		99
73)	1,3-dichlorobenzeneV	19.32	146	22853	0.859	ug/L	#	96
74)	p-isopropyltoluene	19.18	119	39217	0.893	ug/L		97
75)	1,4-dichlorobenzeneV	19.42	146	23255m	0.850	ug/L		
76)	1,2-dichlorobenzeneV	19.78	146	22225	0.862	ug/L	#	32
77)	n-butylbenzene	19.58	91	35664	0.892	ug/L		98
79)	1,2-dibromo-3-chloropropan	20.52	157	1679	1.083	ug/L	#	91
80)	1,3,5-trichlorobenzV	20.75	180	15279	0.915	ug/L		94
81)	1,2,4-trichlorobenzV	21.44	180	13165	0.979	ug/L	#	93
82)	hexachlorobutadieneV	21.56	225	6286	0.909	ug/L		97
83)	naphthaleneV	21.76	128	30215	1.562	ug/L		99
84)	1,2,3-trichlorobenzV	22.05	180	11145	0.913	ug/L	#	91
85)	SS 2,5-DBT_MS	23.36	250	4101	2.542	ug/L	#	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071210.D Vial: 10
Acq On : 12 Jul 2010 1:22 pm Operator: BAM
Sample : 1 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 15:48 2010 Quant Results File: 5LID0712.RES

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071212.D Vial: 12
Acq On : 12 Jul 2010 2:30 pm Operator: BAM
Sample : 5 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 02 09:25:59 2010 Quant Results File: 5LID0712.RES

Quant Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene IS	11.99	96	327235	10.000	ug/L		0.00
System Monitoring Compounds							
61) SS 4-BFB_MS	18.13	95	131469	10.06	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.57%				
78) SS 1,2-DCB-D4_MS	19.75	152	137517	9.91	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.06%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	2.86	85	49504	5.268	ug/L		98
3) chloromethane	3.21	50	43227	5.029	ug/L		99
4) vinyl chloride	3.35	62	31011	5.173	ug/L		98
5) bromomethane	4.01	94	17087	4.612	ug/L		96
6) chloroethane	4.12	64	25839	4.901	ug/L		99
7) trichlorofluoromethane	4.53	101	74411	5.289	ug/L		98
8) diethyl ether	5.02	59	28829	5.104	ug/L		96
9) 1,1,2-Trichlorotrifluoroet	5.28	101	39017	5.060	ug/L		99
10) acetone	5.39	43	11308	4.650	ug/L	#	85
11) 1,1-dichloroethene	5.62	96	39844	5.022	ug/L		98
12) tert-Butyl Alcohol (TBA)	5.78	59	15720	26.050	ug/L		92
13) methylene chloride	6.56	84	42784	4.775	ug/L		99
14) carbon disulfide	6.59	76	125841	4.969	ug/L		99
15) acrylonitrile	6.82	53	15469	5.066	ug/L		94
16) Methyl-t-butyl ether (MTBE	6.86	73	232168	9.794	ug/L		100
17) trans-1,2-dichloroethene	7.15	96	44790	4.946	ug/L		98
18) hexane	7.27	57	60580	5.038	ug/L		99
19) Isopropyl ether (DIPE)	7.81	45	145702	4.969	ug/L		99
20) vinyl acetate	8.06	43	55529	4.845	ug/L		99
21) 1,1-dichloroethane	8.05	63	80096	5.008	ug/L		100
22) Ethyl-t-butyl ether (ETBE)	8.69	59	124818	4.971	ug/L		99
23) 2,2-dichloropropane	9.25	77	69476	5.071	ug/L		96
24) cis-1,2-dichloroethene	9.36	61	65212	5.037	ug/L		100
25) 2-butanone (MEK)	8.98	43	18293	4.892	ug/L		95
26) bromochloromethane	10.09	128	23611	5.049	ug/L		100
27) Tetrahydrofuran (THF)	10.15	42	12588	5.119	ug/L		94
28) chloroform	9.71	83	82547	5.013	ug/L		100
29) SS Dibromofluoromethane_MS	10.20	111	81298	9.899	ug/L		99
30) 1,1,1-trichloroethane	10.60	97	73921	4.991	ug/L		99
31) carbon tetrachloride	11.17	117	59476	4.845	ug/L		99
32) 1,1-dichloropropene	10.96	75	65010	5.011	ug/L		99
33) SS 1,2-DCA-d4_MS	11.34	65	103726	10.033	ug/L		100
34) tert-amyl methyl ether (TA	11.24	73	116663	4.936	ug/L		98
35) benzene	11.55	78	190181	4.992	ug/L		99
36) 1,2-dichloroethane	11.53	62	67934	5.118	ug/L		99
37) trichloroethene	12.73	95	47540	4.961	ug/L		99
38) 1,2-dichloropropane	13.05	63	44737	4.942	ug/L		98
39) dibromomethane	13.53	93	27662	4.953	ug/L		98
40) bromodichloromethane	13.44	83	58730	4.891	ug/L		99
41) 4-methyl-2-pentanone (MIBK	13.99	58	12851	4.959	ug/L		99
42) cis-1,3-dichloropropene	14.30	75	70995	4.937	ug/L		100
43) Chlorobenzene-D5 IS	16.69	117	256322	9.984	ug/L		100
44) SS Toluene-d8_MS	14.65	98	322267	9.992	ug/L		100
45) toluene	14.77	91	202054	5.015	ug/L		99
46) trans-1,3-dichloropropene	15.03	75	62827	4.853	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071212.D Vial: 12
Acq On : 12 Jul 2010 2:30 pm Operator: BAM
Sample : 5 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 02 09:25:59 2010 Quant Results File: 5LID0712.RES

Quant Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

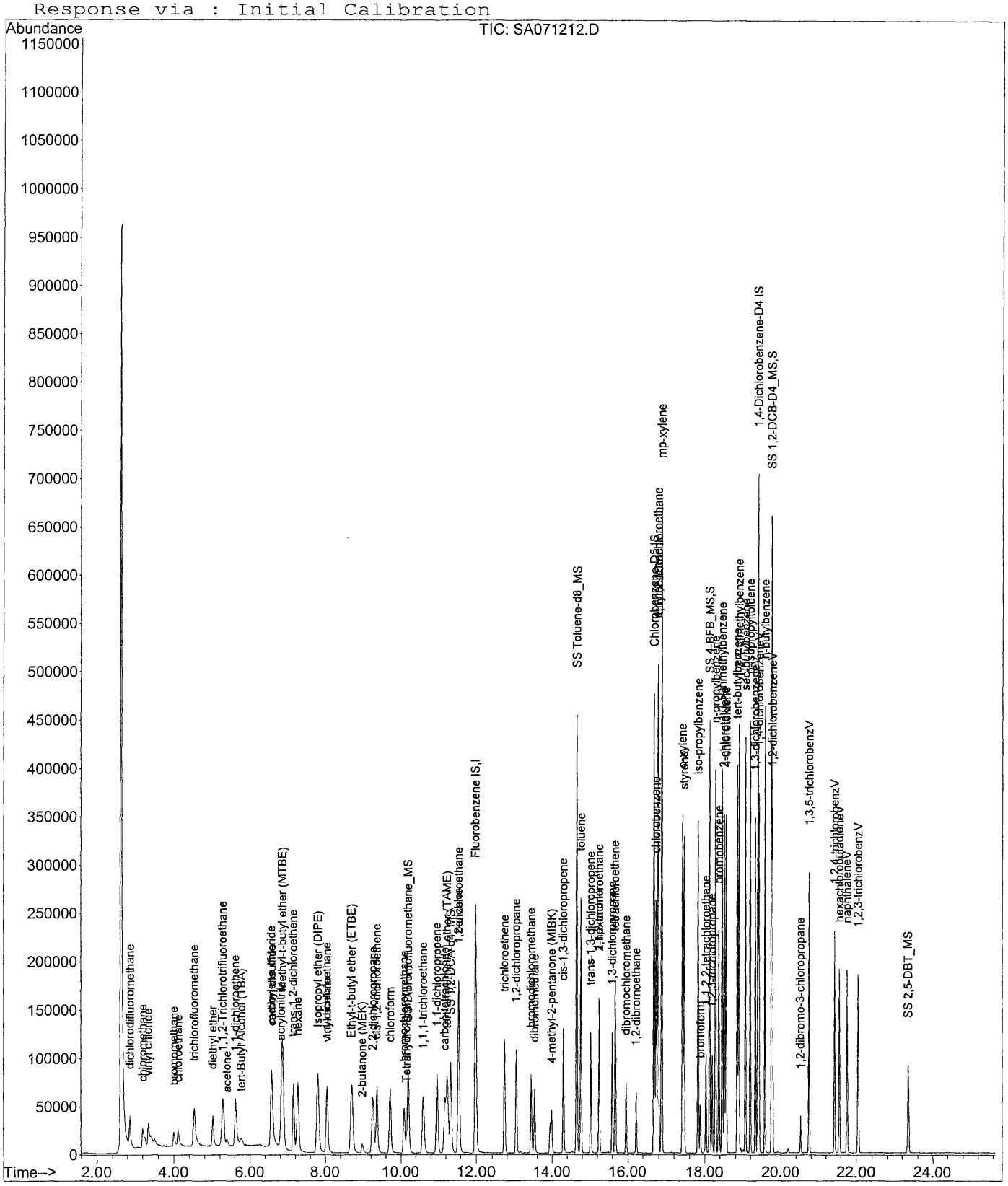
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	1,1,2-trichloroethane	15.25	83	31786	4.970	ug/L		97
48)	2-hexanone	15.25	43	26993	5.007	ug/L		97
49)	tetrachloroethene	15.67	166	52229	4.942	ug/L		98
50)	1,3-dichloropropane	15.60	76	65184	4.959	ug/L		98
51)	dibromochloromethane	15.95	129	37795	4.629	ug/L	#	99
52)	1,2-dibromoethane	16.22	107	39462	5.013	ug/L		96
53)	chlorobenzene	16.74	112	133762	4.915	ug/L		97
54)	1,1,1,2-tetrachloroethane	16.79	131	43603	4.825	ug/L		100
55)	ethylbenzene	16.79	91	237483	5.029	ug/L		100
56)	mp-xylene	16.88	106	192539	10.055	ug/L		100
57)	o-xylene	17.41	106	92619	4.984	ug/L		99
58)	styrene	17.46	104	151732	4.988	ug/L		99
59)	bromoform	17.89	173	21101	4.797	ug/L		97
60)	iso-propylbenzene	17.83	105	225178	4.975	ug/L		100
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	153636	10.005	ug/L		95
63)	bromobenzene	18.38	156	60916	4.949	ug/L		99
64)	1,1,2,2-tetrachloroethane	18.04	83	45994	4.893	ug/L		100
65)	1,2,3-trichloropropane	18.20	110	14745	4.982	ug/L		96
66)	n-propylbenzene	18.28	91	289690	5.041	ug/L		100
67)	2-chlorotoluene	18.51	91	178993	5.020	ug/L		99
68)	4-chlorotoluene	18.56	91	180401	5.042	ug/L		100
69)	1,3,5-trimethylbenzene	18.45	105	211470	5.026	ug/L		100
70)	tert-butylbenzene	18.84	119	180805	5.025	ug/L		99
71)	1,2,4-trimethylbenzene	18.89	105	216958	4.966	ug/L		100
72)	sec-butylbenzene	19.06	105	265090	4.961	ug/L		100
73)	1,3-dichlorobenzeneV	19.32	146	121693	4.931	ug/L		99
74)	p-isopropyltoluene	19.19	119	225052	5.043	ug/L		99
75)	1,4-dichlorobenzeneV	19.42	146	122376	4.926	ug/L		99
76)	1,2-dichlorobenzeneV	19.78	146	113298	4.849	ug/L	#	92
77)	n-butylbenzene	19.58	91	204441	5.042	ug/L		99
79)	1,2-dibromo-3-chloropropan	20.52	157	8215	4.387	ug/L		99
80)	1,3,5-trichlorobenzV	20.75	180	79400	4.841	ug/L		99
81)	1,2,4-trichlorobenzV	21.44	180	65380	4.759	ug/L		99
82)	hexachlorobutadieneV	21.56	225	35914	4.880	ug/L		98
83)	naphthaleneV	21.76	128	153238	4.791	ug/L		100
84)	1,2,3-trichlorobenzV	22.05	180	58464	4.812	ug/L		99
85)	SS 2,5-DBT_MS	23.36	250	23024	4.630	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071212.D Vial: 12
Acq On : 12 Jul 2010 2:30 pm Operator: BAM
Sample : 5 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 2 9:25 2010 Quant Results File: 5LID0712.RES

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071213.D Vial: 13
Acq On : 12 Jul 2010 3:04 pm Operator: BAM
Sample : 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 15:51:24 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.99	96	330610	10.000	ug/L	-0.07
System Monitoring Compounds						
61) SS 4-BFB_MS	18.13	95	131665	10.50	ug/L	-0.05
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.04%			
78) SS 1,2-DCB-D4_MS	19.75	152	142082	10.08	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.83%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.87	85	98202	9.410	ug/L	98
3) chloromethane	3.21	50	85569	6.681	ug/L	98
4) vinyl chloride	3.35	62	59419	7.823	ug/L	98
5) bromomethane	4.00	94	34675	6.519	ug/L #	91
6) chloroethane	4.12	64	52545	7.190	ug/L	96
7) trichlorofluoromethane	4.53	101	145863	8.272	ug/L	99
8) diethyl ether	5.02	59	57462	7.744	ug/L	92
9) 1,1,2-Trichlorotrifluoroet	5.27	101	77139	8.099	ug/L	96
10) acetone	5.39	43	24897m	10.315	ug/L	
11) 1,1-dichloroethene	5.62	96	77016	7.536	ug/L	97
12) tert-Butyl Alcohol (TBA)	5.77	59	30278	41.967	ug/L	99
13) methylene chloride	6.56	84	84239	6.940	ug/L	98
14) carbon disulfide	6.58	76	241910	7.741	ug/L	100
15) acrylonitrile	6.82	53	29062	8.219	ug/L	98
16) Methyl-t-butyl ether (MTBE	6.85	73	463831	20.542	ug/L	96
17) trans-1,2-dichloroethene	7.15	96	88411	9.325	ug/L	97
18) hexane	7.27	57	119746	11.863	ug/L	95
19) Isopropyl ether (DIPE)	7.80	45	290608	11.435	ug/L	98
20) vinyl acetate	8.05	43	118133	12.351	ug/L	97
21) 1,1-dichloroethane	8.05	63	159370	9.145	ug/L	99
22) Ethyl-t-butyl ether (ETBE)	8.69	59	251674	11.214	ug/L	98
23) 2,2-dichloropropane	9.25	77	136887	11.505	ug/L	98
24) cis-1,2-dichloroethene	9.36	61	128637	9.798	ug/L	98
25) 2-butanone (MEK)	8.96	43	35800m	11.715	ug/L	
26) bromochloromethane	10.08	128	47470	9.119	ug/L	98
27) Tetrahydrofuran (THF)	10.16	42	22912	11.607	ug/L	97
28) chloroform	9.71	83	163707	9.541	ug/L	99
29) SS Dibromofluoromethane_MS	10.20	111	83373	9.804	ug/L #	96
30) 1,1,1-trichloroethane	10.60	97	146906	11.170	ug/L	98
31) carbon tetrachloride	11.17	117	121888	12.050	ug/L	99
32) 1,1-dichloropropene	10.96	75	127839	10.459	ug/L	91
33) SS 1,2-DCA-d4_MS	11.33	65	104072	10.476	ug/L	96
34) tert-amyl methyl ether (TA	11.24	73	235305	11.941	ug/L #	93
35) benzene	11.55	78	373168	9.294	ug/L	99
36) 1,2-dichloroethane	11.53	62	133598	9.703	ug/L	99
37) trichloroethene	12.73	95	94573	9.399	ug/L	97
38) 1,2-dichloropropane	13.05	63	90506	9.268	ug/L	94
39) dibromomethane	13.53	93	56252	9.250	ug/L #	97
40) bromodichloromethane	13.44	83	120232	10.454	ug/L	98
41) 4-methyl-2-pentanone (MIBK	13.98	58	25698	10.787	ug/L	91
42) cis-1,3-dichloropropene	14.30	75	145705	11.018	ug/L	91
43) Chlorobenzene-D5 IS	16.69	117	258239	9.942	ug/L	94
44) SS Toluene-d8_MS	14.65	98	325301	10.103	ug/L	97
45) toluene	14.77	91	397080	9.149	ug/L	99
46) trans-1,3-dichloropropene	15.03	75	132902	11.543	ug/L	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071213.D Vial: 13
Acq On : 12 Jul 2010 3:04 pm Operator: BAM
Sample : 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 15:51:24 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

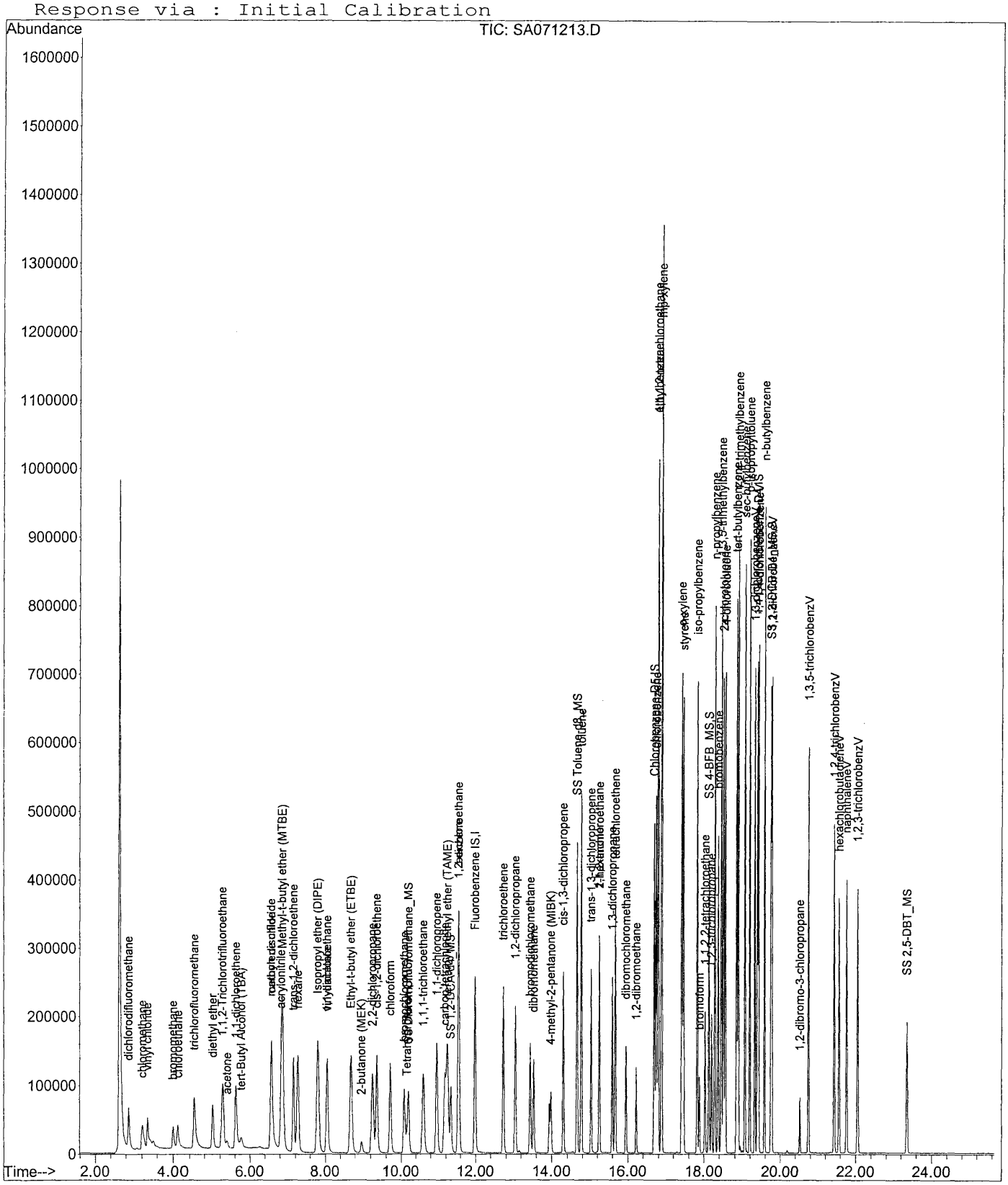
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	1,1,2-trichloroethane	15.25	83	65090	9.072	ug/L		98
48)	2-hexanone	15.25	43	51275	12.034	ug/L		94
49)	tetrachloroethene	15.67	166	106277	9.189	ug/L		96
50)	1,3-dichloropropane	15.60	76	131395	9.410	ug/L		88
51)	dibromochloromethane	15.95	129	81769	10.966	ug/L	#	100
52)	1,2-dibromoethane	16.22	107	77833	9.589	ug/L	#	99
53)	chlorobenzene	16.74	112	272004	8.773	ug/L		95
54)	1,1,1,2-tetrachloroethane	16.79	131	90816	10.478	ug/L		98
55)	ethylbenzene	16.79	91	473638	9.609	ug/L		99
56)	mp-xylene	16.88	106	385391	19.213	ug/L		99
57)	o-xylene	17.41	106	186757	10.361	ug/L		99
58)	styrene	17.46	104	308286	9.663	ug/L		95
59)	bromoform	17.89	173	48237	13.050	ug/L	#	95
60)	iso-propylbenzene	17.83	105	454843	10.566	ug/L		99
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	155466	9.960	ug/L		97
63)	bromobenzene	18.38	156	123162	9.144	ug/L		96
64)	1,1,2,2-tetrachloroethane	18.04	83	93303	9.092	ug/L		99
65)	1,2,3-trichloropropane	18.20	110	28312	9.022	ug/L		98
66)	n-propylbenzene	18.28	91	576853	9.930	ug/L		99
67)	2-chlorotoluene	18.51	91	356822	9.501	ug/L		98
68)	4-chlorotoluene	18.56	91	360190m	9.729	ug/L		
69)	1,3,5-trimethylbenzene	18.45	105	425399	10.500	ug/L		97
70)	tert-butylbenzene	18.84	119	364895	10.440	ug/L		99
71)	1,2,4-trimethylbenzene	18.89	105	442082	10.328	ug/L		97
72)	sec-butylbenzene	19.06	105	538207	10.347	ug/L		99
73)	1,3-dichlorobenzeneV	19.32	146	245575	9.248	ug/L		97
74)	p-isopropyltoluene	19.19	119	454409	10.369	ug/L		98
75)	1,4-dichlorobenzeneV	19.42	146	246719m	9.038	ug/L		
76)	1,2-dichlorobenzeneV	19.78	146	233994	9.094	ug/L		96
77)	n-butylbenzene	19.58	91	416019	10.421	ug/L		99
79)	1,2-dibromo-3-chloropropan	20.52	157	18066	11.674	ug/L		95
80)	1,3,5-trichlorobenzV	20.75	180	163107	9.786	ug/L		94
81)	1,2,4-trichlorobenzV	21.44	180	137332	10.234	ug/L		95
82)	hexachlorobutadieneV	21.56	225	72748	10.543	ug/L		99
83)	naphthaleneV	21.76	128	324180	9.330	ug/L		99
84)	1,2,3-trichlorobenzV	22.05	180	122393	10.042	ug/L		94
85)	SS 2,5-DBT_MS	23.36	250	50191	11.007	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071213.D Vial: 13
Acq On : 12 Jul 2010 3:04 pm Operator: BAM
Sample : 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:01 2010 Quant Results File: 5LID0712.RES

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071214.D Vial: 14
Acq On : 12 Jul 2010 3:39 pm Operator: BAM
Sample : 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 18:19:32 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.99	96	328616	10.000	ug/L	-0.07
System Monitoring Compounds						
61) SS 4-BFB_MS	18.13	95	133132	10.69	ug/L	-0.05
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.86%			
78) SS 1,2-DCB-D4_MS	19.75	152	142852	10.20	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.99%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.86	85	186803	18.008	ug/L	98
3) chloromethane	3.21	50	156212	12.271	ug/L	98
4) vinyl chloride	3.35	62	111069	14.712	ug/L	99
5) bromomethane	4.01	94	68451m	13.475	ug/L	
6) chloroethane	4.12	64	100149	13.787	ug/L	97
7) trichlorofluoromethane	4.53	101	278307	15.878	ug/L	98
8) diethyl ether	5.02	59	125533	17.021	ug/L	93
9) 1,1,2-Trichlorotrifluoroet	5.28	101	173038	18.278	ug/L	97
10) acetone	5.39	43	48670m	20.286	ug/L	
11) 1,1-dichloroethene	5.62	96	174448	17.174	ug/L	97
12) tert-Butyl Alcohol (TBA)	5.78	59	63506	88.557	ug/L	95
13) methylene chloride	6.56	84	187647	15.552	ug/L	97
14) carbon disulfide	6.58	76	538460	17.336	ug/L	100
15) acrylonitrile	6.82	53	63091	17.950	ug/L	98
16) Methyl-t-butyl ether (MTBE	6.85	73	1029429	45.869	ug/L	96
17) trans-1,2-dichloroethene	7.15	96	199430	21.162	ug/L	98
18) hexane	7.27	57	267375	26.648	ug/L	95
19) Isopropyl ether (DIPE)	7.80	45	655463	25.947	ug/L	96
20) vinyl acetate	8.05	43	221324	20.437	ug/L	97
21) 1,1-dichloroethane	8.05	63	358586	20.701	ug/L	99
22) Ethyl-t-butyl ether (ETBE)	8.68	59	565070	25.330	ug/L	96
23) 2,2-dichloropropane	9.25	77	306782	25.941	ug/L	97
24) cis-1,2-dichloroethene	9.36	61	288849	22.134	ug/L	98
25) 2-butanone (MEK)	8.97	43	73613	24.235	ug/L	99
26) bromochloromethane	10.08	128	106580	20.599	ug/L	99
27) Tetrahydrofuran (THF)	10.16	42	49750	25.357	ug/L	98
28) chloroform	9.71	83	367690	21.560	ug/L	99
29) SS Dibromofluoromethane_MS	10.20	111	83953	9.932	ug/L #	94
30) 1,1,1-trichloroethane	10.59	97	336518	25.742	ug/L	98
31) carbon tetrachloride	11.17	117	289756	28.821	ug/L	99
32) 1,1-dichloropropene	10.96	75	292595	24.084	ug/L	92
33) SS 1,2-DCA-d4_MS	11.34	65	104570	10.590	ug/L	96
34) tert-amyl methyl ether (TA	11.23	73	529932	27.055	ug/L #	93
35) benzene	11.55	78	842260	21.104	ug/L	99
36) 1,2-dichloroethane	11.53	62	297866	21.766	ug/L	99
37) trichloroethene	12.73	95	213261	21.323	ug/L	97
38) 1,2-dichloropropane	13.05	63	203223	20.938	ug/L	95
39) dibromomethane	13.53	93	125071	20.692	ug/L #	98
40) bromodichloromethane	13.44	83	279932	24.488	ug/L	98
41) 4-methyl-2-pentanone (MIBK	13.98	58	58611	24.751	ug/L	88
42) cis-1,3-dichloropropene	14.30	75	335231	25.503	ug/L	93
43) Chlorobenzene-D5 IS	16.69	117	256695	9.943	ug/L	93
44) SS Toluene-d8_MS	14.65	98	326554	10.204	ug/L	97
45) toluene	14.77	91	901264	20.893	ug/L	99
46) trans-1,3-dichloropropene	15.03	75	306452	26.777	ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071214.D Vial: 14
Acq On : 12 Jul 2010 3:39 pm Operator: BAM
Sample : 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 18:19:32 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

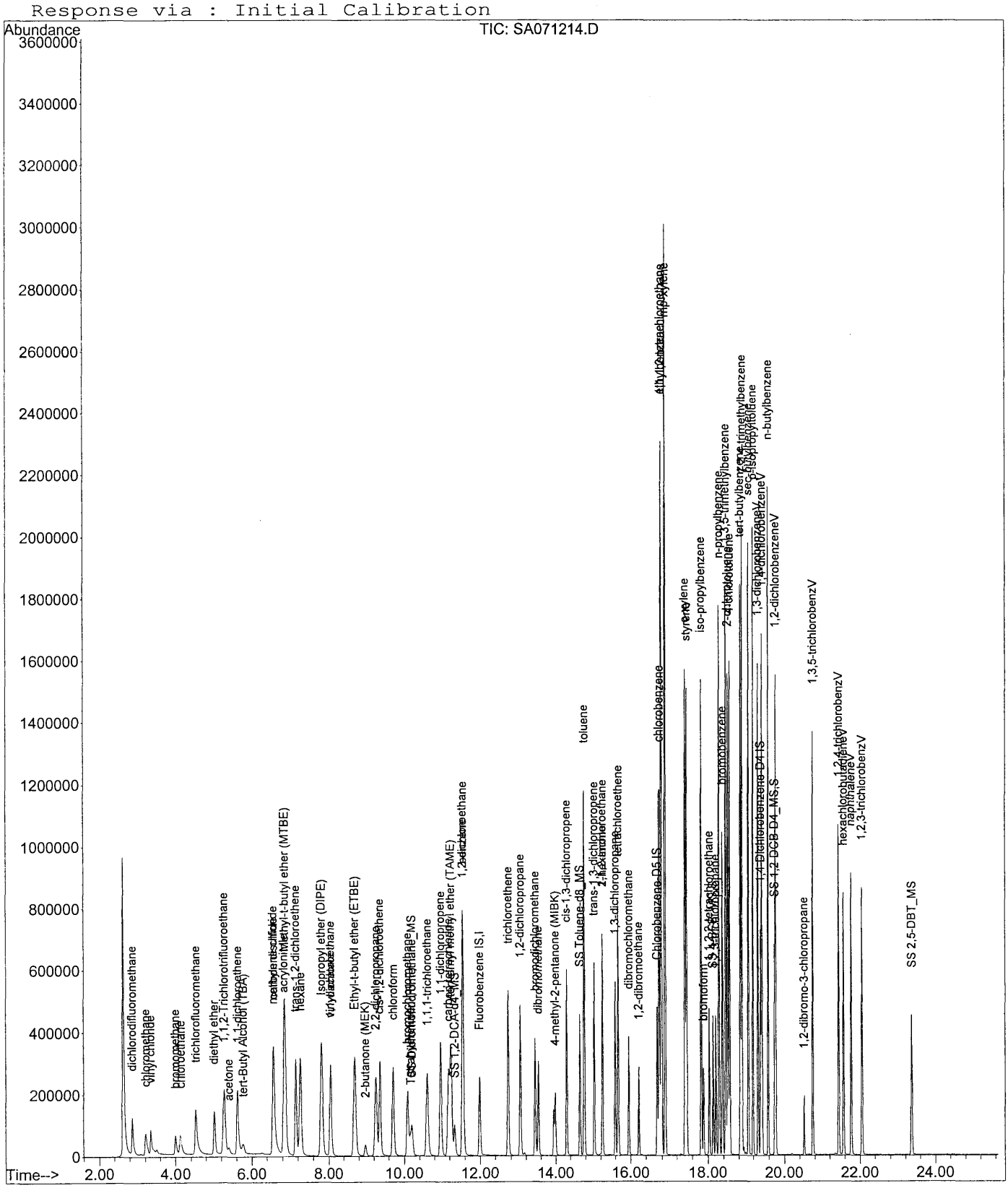
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	1,1,2-trichloroethane	15.25	83	145027	20.336	ug/L		97
48)	2-hexanone	15.25	43	114126	26.948	ug/L		95
49)	tetrachloroethene	15.67	166	238424	20.739	ug/L		96
50)	1,3-dichloropropane	15.60	76	297116	21.408	ug/L		90
51)	dibromochloromethane	15.95	129	198552	26.789	ug/L	#	100
52)	1,2-dibromoethane	16.22	107	178689	22.148	ug/L	#	99
53)	chlorobenzene	16.74	112	609909	19.792	ug/L		94
54)	1,1,1,2-tetrachloroethane	16.79	131	212587	24.676	ug/L		99
55)	ethylbenzene	16.79	91	1074650	21.935	ug/L		99
56)	mp-xylene	16.88	106	880927	44.184	ug/L		99
57)	o-xylene	17.41	106	426364	23.797	ug/L		99
58)	styrene	17.46	104	711955	22.450	ug/L		96
59)	bromoform	17.89	173	120186	32.713	ug/L		97
60)	iso-propylbenzene	17.83	105	1040608	24.321	ug/L		99
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	158796	10.235	ug/L		92
63)	bromobenzene	18.38	156	281619	21.035	ug/L		97
64)	1,1,2,2-tetrachloroethane	18.04	83	208545	20.445	ug/L		99
65)	1,2,3-trichloropropane	18.21	110	65239	20.916	ug/L		98
66)	n-propylbenzene	18.28	91	1317134	22.810	ug/L		100
67)	2-chlorotoluene	18.51	91	808725	21.664	ug/L		98
68)	4-chlorotoluene	18.56	91	824033m	22.394	ug/L		
69)	1,3,5-trimethylbenzene	18.45	105	981844	24.382	ug/L		97
70)	tert-butylbenzene	18.84	119	835982	24.063	ug/L		99
71)	1,2,4-trimethylbenzene	18.89	105	1016393	23.889	ug/L		97
72)	sec-butylbenzene	19.06	105	1252255	24.222	ug/L		99
73)	1,3-dichlorobenzeneV	19.32	146	563304	21.343	ug/L		98
74)	p-isopropyltoluene	19.19	119	1053780	24.192	ug/L		98
75)	1,4-dichlorobenzeneV	19.42	146	565242m	20.831	ug/L		
76)	1,2-dichlorobenzeneV	19.78	146	533661	20.867	ug/L		99
77)	n-butylbenzene	19.58	91	960402	24.203	ug/L		99
79)	1,2-dibromo-3-chloropropan	20.52	157	44104	28.673	ug/L		97
80)	1,3,5-trichlorobenzV	20.75	180	378755	22.863	ug/L		95
81)	1,2,4-trichlorobenzV	21.44	180	316155	23.702	ug/L		95
82)	hexachlorobutadieneV	21.56	225	166109	24.220	ug/L		99
83)	naphthaleneV	21.76	128	758216	20.917	ug/L		99
84)	1,2,3-trichlorobenzV	22.05	180	282889	23.351	ug/L		95
85)	SS 2,5-DBT_MS	23.36	250	121579	24.252	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071214.D Vial: 14
Acq On : 12 Jul 2010 3:39 pm Operator: BAM
Sample : 20 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 18:20 2010 Quant Results File: 5LID0712.RES

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071215.D Vial: 15
Acq On : 12 Jul 2010 4:13 pm Operator: BAM
Sample : 50 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 18:20:37 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.99	96	331520	10.000	ug/L	-0.07
System Monitoring Compounds						
61) SS 4-BFB_MS	18.13	95	134216	10.68	ug/L	-0.05
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.78%			
78) SS 1,2-DCB-D4_MS	19.75	152	147375	10.43	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.30%			
Target Compounds						Qvalue
8) diethyl ether	5.02	59	286747	38.538	ug/L	95
9) 1,1,2-Trichlorotrifluoroet	5.27	101	393556	41.207	ug/L	96
10) acetone	5.39	43	112517m	46.487	ug/L	
11) 1,1-dichloroethene	5.62	96	394280	38.476	ug/L	97
12) tert-Butyl Alcohol (TBA)	5.77	59	145744	201.455	ug/L	99
13) methylene chloride	6.56	84	416953	34.254	ug/L	97
14) carbon disulfide	6.58	76	1223301	39.040	ug/L	100
15) acrylonitrile	6.82	53	144010	40.613	ug/L	97
16) Methyl-t-butyl ether (MTBE	6.85	73	2328218	102.831	ug/L	95
17) trans-1,2-dichloroethene	7.15	96	458668	48.245	ug/L	99
18) hexane	7.27	57	620889	61.339	ug/L	95
19) Isopropyl ether (DIPE)	7.80	45	1481528	58.134	ug/L	96
21) 1,1-dichloroethane	8.04	63	806851	46.171	ug/L	99
22) Ethyl-t-butyl ether (ETBE)	8.68	59	1281752	56.953	ug/L	96
23) 2,2-dichloropropane	9.25	77	710832	59.581	ug/L	97
24) cis-1,2-dichloroethene	9.36	61	649509	49.336	ug/L	99
25) 2-butanone (MEK)	8.96	43	174083	56.810	ug/L	99
26) bromochloromethane	10.08	128	243389	46.627	ug/L	100
27) Tetrahydrofuran (THF)	10.16	42	110341	55.746	ug/L	99
28) chloroform	9.71	83	829082	48.188	ug/L	99
29) SS Dibromofluoromethane_MS	10.20	111	82912	9.723	ug/L #	93
30) 1,1,1-trichloroethane	10.60	97	773544	58.654	ug/L	97
31) carbon tetrachloride	11.17	117	673698	66.423	ug/L	99
32) 1,1-dichloropropene	10.96	75	663666	54.148	ug/L	93
33) SS 1,2-DCA-d4_MS	11.33	65	103812	10.421	ug/L	97
34) tert-amyl methyl ether (TA	11.23	73	1202562	60.859	ug/L #	93
35) benzene	11.55	78	1914436	47.549	ug/L	99
36) 1,2-dichloroethane	11.54	62	654241	47.388	ug/L	99
37) trichloroethene	12.73	95	484833	48.052	ug/L	98
38) 1,2-dichloropropane	13.05	63	455681	46.537	ug/L	95
39) dibromomethane	13.53	93	283907	46.559	ug/L #	98
40) bromodichloromethane	13.44	83	649749	56.341	ug/L	99
41) 4-methyl-2-pentanone (MIBK	13.98	58	130258	54.526	ug/L	89
42) cis-1,3-dichloropropene	14.30	75	780292	58.841	ug/L	93
43) Chlorobenzene-D5 IS	16.69	117	262869	10.093	ug/L	94
44) SS Toluene-d8_MS	14.65	98	325578	10.084	ug/L	97
45) toluene	14.77	91	2042768	46.940	ug/L	98
46) trans-1,3-dichloropropene	15.03	75	710943	61.577	ug/L	95
47) 1,1,2-trichloroethane	15.25	83	325337	45.219	ug/L	97
48) 2-hexanone	15.25	43	263493	61.672	ug/L	95
49) tetrachloroethene	15.67	166	549358	47.366	ug/L	97
50) 1,3-dichloropropane	15.60	76	664435	47.455	ug/L	91
51) dibromochloromethane	15.95	129	477863	63.910	ug/L #	100
52) 1,2-dibromoethane	16.22	107	409342	50.293	ug/L	99
53) chlorobenzene	16.74	112	1414317	45.493	ug/L	95

(#) = qualifier out of range (m) = manual integration

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071215.D Vial: 15
Acq On : 12 Jul 2010 4:13 pm Operator: BAM
Sample : 50 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 18:20:37 2010 Quant Results File: 5LID0712.RES

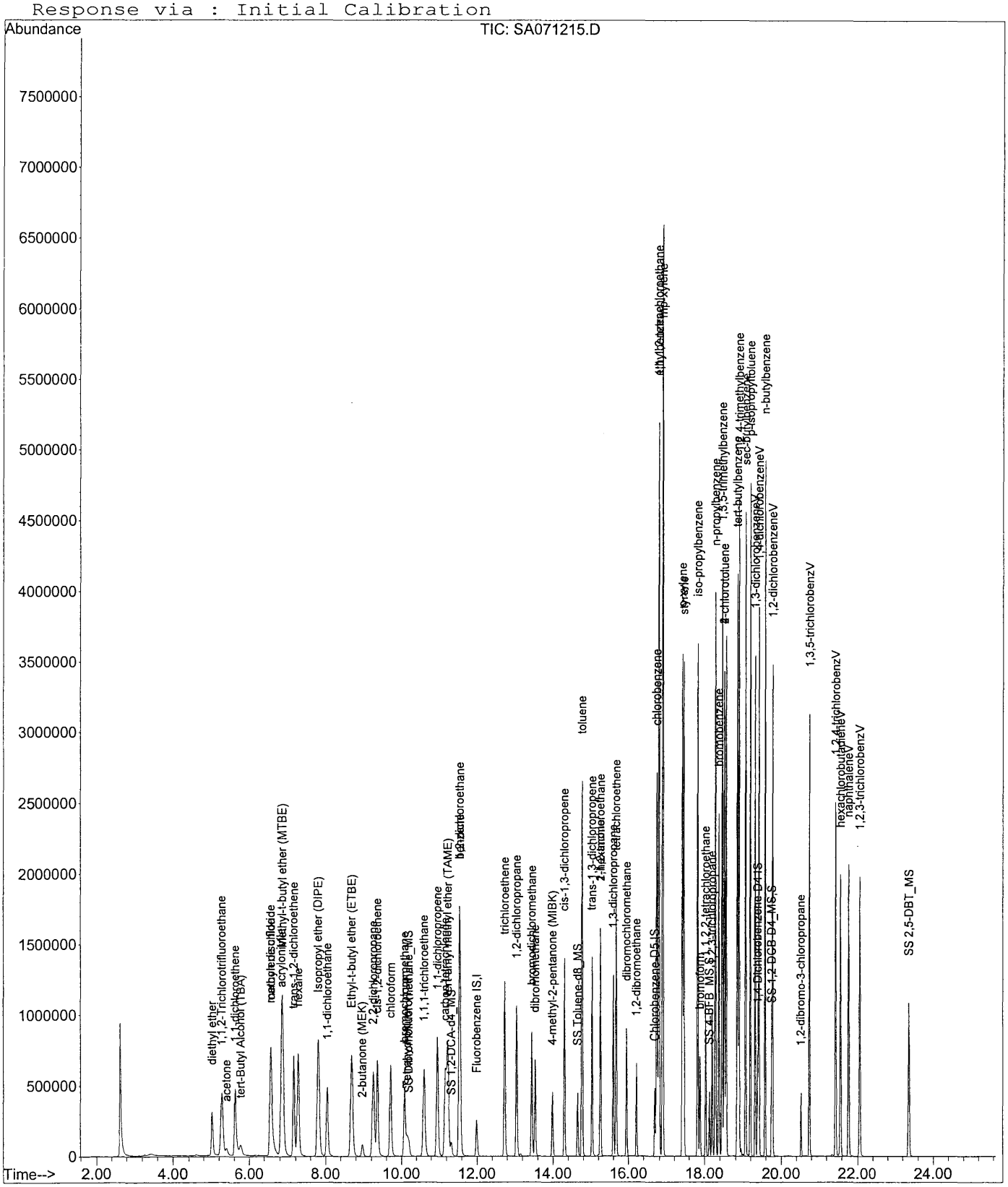
Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
54)	1,1,1,2-tetrachloroethane	16.79	131	494959	56.949	ug/L	99
55)	ethylbenzene	16.79	91	2458536	49.742	ug/L	99
56)	mp-xylene	16.89	106	2010708	99.965	ug/L	98
57)	o-xylene	17.41	106	986284	54.566	ug/L	98
58)	styrene	17.46	104	1650942	51.604	ug/L	97
59)	bromoform	17.89	173	305667	82.469	ug/L	97
60)	iso-propylbenzene	17.83	105	2421398	56.096	ug/L	99
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	164539	10.512	ug/L	94
63)	bromobenzene	18.38	156	650446	48.158	ug/L	98
64)	1,1,2,2-tetrachloroethane	18.04	83	480586	46.701	ug/L	99
65)	1,2,3-trichloropropane	18.21	110	149725	47.583	ug/L	97
66)	n-propylbenzene	18.28	91	3035948	52.115	ug/L	100
67)	2-chlorotoluene	18.51	91	1835286	48.733	ug/L	99
68)	4-chlorotoluene	18.51	91	1835286	49.439	ug/L	99
69)	1,3,5-trimethylbenzene	18.46	105	2252894	55.455	ug/L	98
70)	tert-butylbenzene	18.84	119	1929683	55.058	ug/L	100
71)	1,2,4-trimethylbenzene	18.89	105	2338461	54.481	ug/L	98
72)	sec-butylbenzene	19.06	105	2872739	55.079	ug/L	99
73)	1,3-dichlorobenzeneV	19.32	146	1304089	48.978	ug/L	99
74)	p-isopropyltoluene	19.19	119	2440041	55.527	ug/L	99
75)	1,4-dichlorobenzeneV	19.42	146	1304277m	47.647	ug/L	
76)	1,2-dichlorobenzeneV	19.78	146	1232847	47.784	ug/L	96
77)	n-butylbenzene	19.58	91	2184607	54.571	ug/L	99
79)	1,2-dibromo-3-chloropropan	20.52	157	109668	70.672	ug/L	98
80)	1,3,5-trichlorobenzV	20.75	180	876545	52.447	ug/L	96
81)	1,2,4-trichlorobenzV	21.44	180	743895	55.281	ug/L	96
82)	hexachlorobutadieneV	21.56	225	390918	56.500	ug/L	99
83)	naphthaleneV	21.76	128	1749599	46.859	ug/L	99
84)	1,2,3-trichlorobenzV	22.05	180	652379	53.378	ug/L	96
85)	SS 2,5-DBT_MS	23.36	250	293880	55.609	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071215.D Vial: 15
Acq On : 12 Jul 2010 4:13 pm Operator: BAM
Sample : 50 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:03 2010 Quant Results File: 5LID0712.RES

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071216.D Vial: 16
Acq On : 12 Jul 2010 4:47 pm Operator: BAM
Sample : 50 G Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 18:22:01 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

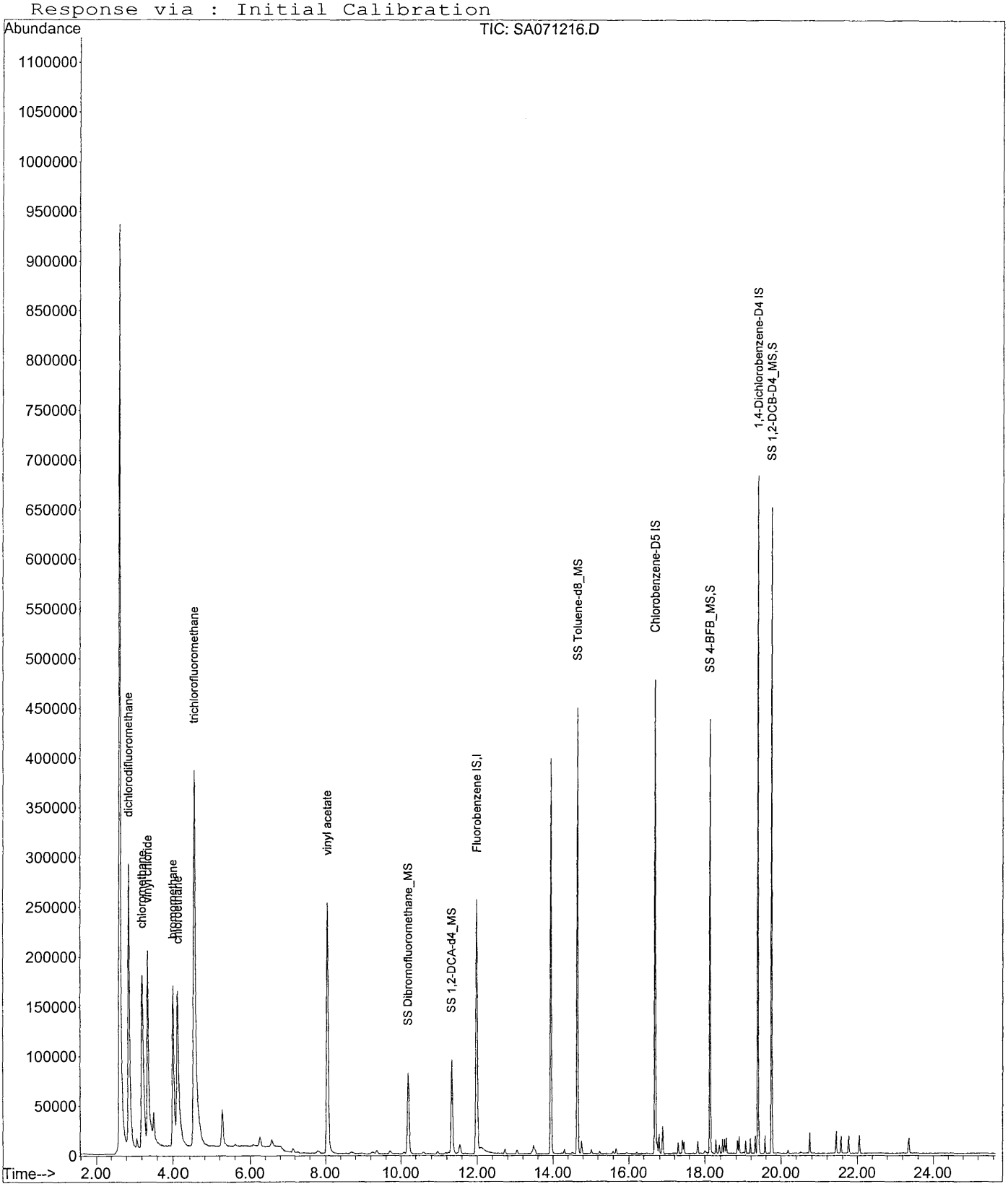
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.99	96	328459	10.000	ug/L	-0.08
System Monitoring Compounds						
61) SS 4-BFB_MS	18.13	95	128120	10.29	ug/L	-0.05
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.88%			
78) SS 1,2-DCB-D4_MS	19.75	152	133639	9.55	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.46%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.86	85	483712	46.652	ug/L	98
3) chloromethane	3.21	50	411545	32.343	ug/L	98
4) vinyl chloride	3.35	62	294890	39.078	ug/L	98
5) bromomethane	4.01	94	188259	38.015	ug/L #	91
6) chloroethane	4.12	64	262300	36.127	ug/L	97
7) trichlorofluoromethane	4.53	101	722830	41.259	ug/L	99
20) vinyl acetate	8.05	43	629793	52.245	ug/L	96
29) SS Dibromofluoromethane_MS	10.20	111	82416	9.755	ug/L #	95
33) SS 1,2-DCA-d4_MS	11.33	65	103847	10.522	ug/L	96
43) Chlorobenzene-D5 IS	16.69	117	254477	9.862	ug/L	94
44) SS Toluene-d8_MS	14.65	98	318654	9.961	ug/L	97
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	148748	9.592	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071216.D Vial: 16
Acq On : 12 Jul 2010 4:47 pm Operator: BAM
Sample : 50 G Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 18:23 2010 Quant Results File: 5LID0712.RES

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071217.D Vial: 17
Acq On : 12 Jul 2010 5:22 pm Operator: BAM
Sample : 100 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 18:23:16 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene IS	11.99	96	345357	10.000	ug/L		-0.07
System Monitoring Compounds							
61) SS 4-BFB_MS	18.13	95	140671	10.74	ug/L		-0.05
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.43%				
78) SS 1,2-DCB-D4_MS	19.75	152	154340	10.49	ug/L		-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.85%				
Target Compounds							Qvalue
8) diethyl ether	5.02	59	575254	74.216	ug/L		94
9) 1,1,2-Trichlorotrifluoroet	5.27	101	768605	77.252	ug/L		96
10) acetone	5.39	43	206191m	81.776	ug/L		
11) 1,1-dichloroethene	5.62	96	778732	72.949	ug/L		97
12) tert-Butyl Alcohol (TBA)	5.78	59	306743	407.008	ug/L		97
13) methylene chloride	6.56	84	827379	65.248	ug/L		97
14) carbon disulfide	6.58	76	2412812	73.916	ug/L		100
15) acrylonitrile	6.82	53	286681	77.609	ug/L		97
16) Methyl-t-butyl ether (MTBE	6.85	73	4597923	194.940	ug/L		95
17) trans-1,2-dichloroethene	7.15	96	908884	91.770	ug/L		99
18) hexane	7.27	57	1201191	113.914	ug/L		96
19) Isopropyl ether (DIPE)	7.80	45	2943304	110.865	ug/L		97
21) 1,1-dichloroethane	8.04	63	1599050	87.838	ug/L		99
22) Ethyl-t-butyl ether (ETBE)	8.68	59	2575609	109.859	ug/L		96
23) 2,2-dichloropropane	9.25	77	1383164	111.289	ug/L		96
24) cis-1,2-dichloroethene	9.36	61	1298099	94.651	ug/L		99
25) 2-butanone (MEK)	8.97	43	346547	108.561	ug/L		100
26) bromochloromethane	10.08	128	492402	90.553	ug/L		99
27) Tetrahydrofuran (THF)	10.16	42	228783	110.954	ug/L		100
28) chloroform	9.71	83	1655289	92.355	ug/L		99
29) SS Dibromofluoromethane_MS	10.20	111	87461	9.846	ug/L	#	94
30) 1,1,1-trichloroethane	10.60	97	1538218	111.963	ug/L		97
31) carbon tetrachloride	11.17	117	1363819	129.077	ug/L		99
32) 1,1-dichloropropene	10.97	75	1322588	103.586	ug/L		94
33) SS 1,2-DCA-d4_MS	11.33	65	107131	10.324	ug/L		98
34) tert-amyl methyl ether (TA	11.23	73	2455748	119.300	ug/L	#	93
35) benzene	11.55	78	3810820	90.858	ug/L		98
36) 1,2-dichloroethane	11.54	62	1283552	89.246	ug/L		99
37) trichloroethene	12.73	95	970276	92.312	ug/L		97
38) 1,2-dichloropropane	13.05	63	916561	89.854	ug/L		96
39) dibromomethane	13.53	93	575978	90.673	ug/L		99
40) bromodichloromethane	13.44	83	1323950	110.202	ug/L		99
41) 4-methyl-2-pentanone (MIBK	13.98	58	271443	109.074	ug/L		89
42) cis-1,3-dichloropropene	14.30	75	1572433	113.824	ug/L		94
43) Chlorobenzene-D5 IS	16.69	117	274865	10.131	ug/L		95
44) SS Toluene-d8_MS	14.65	98	343914	10.225	ug/L		97
45) toluene	14.77	91	4116200	90.795	ug/L		99
46) trans-1,3-dichloropropene	15.03	75	1457209	121.156	ug/L		95
47) 1,1,2-trichloroethane	15.25	83	665597	88.805	ug/L		98
48) 2-hexanone	15.25	43	536473	120.534	ug/L		96
49) tetrachloroethene	15.67	166	1101212	91.144	ug/L		98
50) 1,3-dichloropropane	15.60	76	1357529	93.072	ug/L		92
51) dibromochloromethane	15.95	129	995535	127.810	ug/L	#	99
52) 1,2-dibromoethane	16.22	107	851781	100.459	ug/L		99
53) chlorobenzene	16.74	112	2819629	87.063	ug/L		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071217.D Vial: 17
Acq On : 12 Jul 2010 5:22 pm Operator: BAM
Sample : 100 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 18:23:16 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

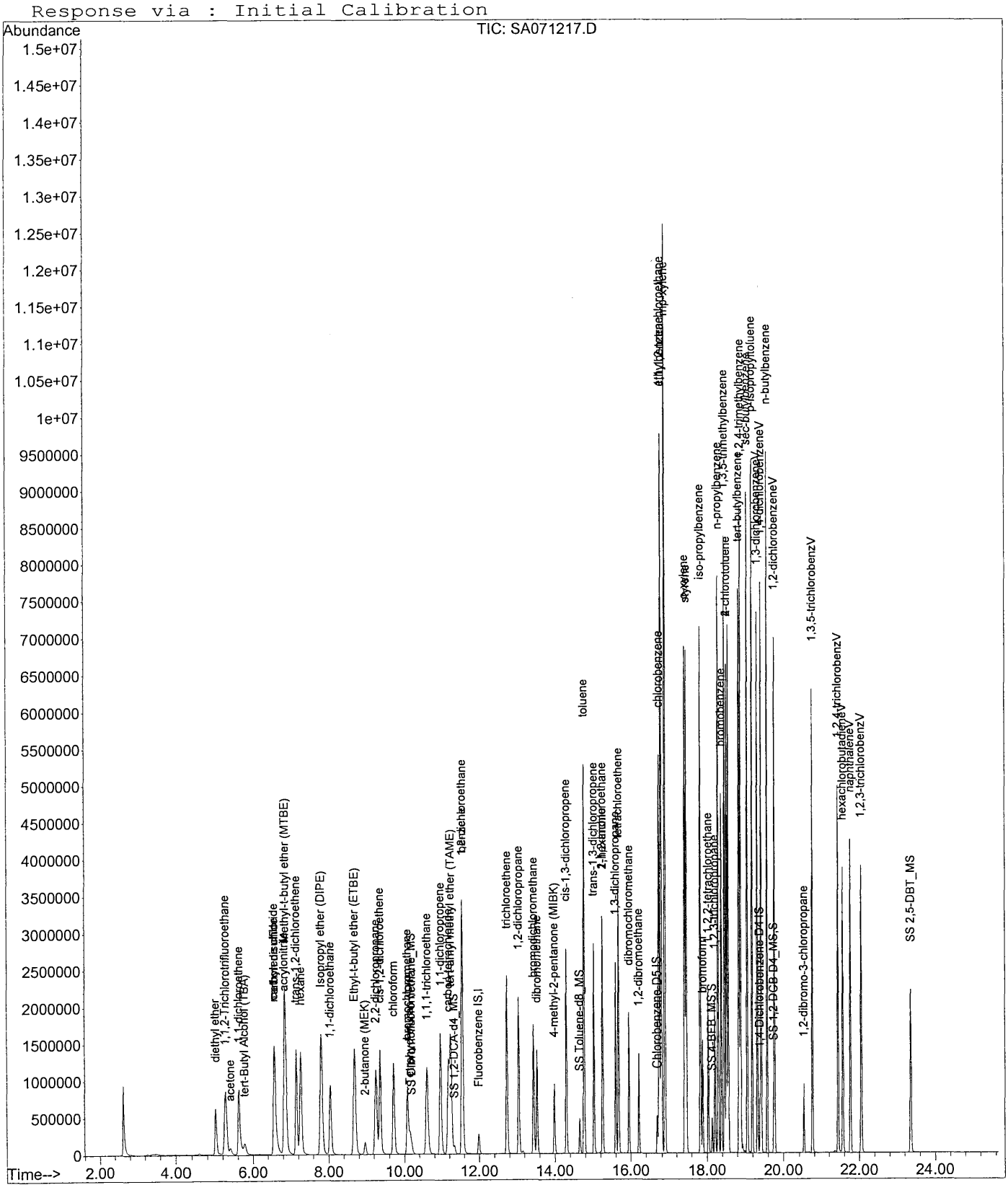
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
54)	1,1,1,2-tetrachloroethane	16.79	131	981421	108.395 ug/L	99
55)	ethylbenzene	16.79	91	4824064	93.692 ug/L	98
56)	mp-xylene	16.89	106	3875410	184.952 ug/L	98
57)	o-xylene	17.41	106	1989660	105.667 ug/L	96
58)	styrene	17.46	104	3327569	99.843 ug/L	97
59)	bromoform	17.89	173	669764	173.463 ug/L	97
60)	iso-propylbenzene	17.83	105	4802325	106.797 ug/L	99
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	169615	10.402 ug/L	96
63)	bromobenzene	18.38	156	1334970	94.880 ug/L	100
64)	1,1,2,2-tetrachloroethane	18.03	83	1003708	93.629 ug/L	99
65)	1,2,3-trichloropropane	18.21	110	309319	94.363 ug/L	98
66)	n-propylbenzene	18.29	91	5969058	98.360 ug/L	99
67)	2-chlorotoluene	18.52	91	3657602	93.231 ug/L	99
68)	4-chlorotoluene	18.52	91	3657602	94.580 ug/L	99
69)	1,3,5-trimethylbenzene	18.46	105	4480359	105.865 ug/L	98
70)	tert-butylbenzene	18.85	119	3789364	103.788 ug/L	99
71)	1,2,4-trimethylbenzene	18.89	105	4602562	102.933 ug/L	98
72)	sec-butylbenzene	19.06	105	5655818	104.094 ug/L	99
73)	1,3-dichlorobenzeneV	19.32	146	2644282	95.332 ug/L	99
74)	p-isopropyltoluene	19.19	119	4822526	105.347 ug/L	99
75)	1,4-dichlorobenzeneV	19.42	146	2639779m	92.571 ug/L	
76)	1,2-dichlorobenzeneV	19.78	146	2477050	92.161 ug/L	95
77)	n-butylbenzene	19.58	91	4297450	103.049 ug/L	99
79)	1,2-dibromo-3-chloropropan	20.52	157	235648	145.772 ug/L	98
80)	1,3,5-trichlorobenzV	20.75	180	1782166	102.361 ug/L	96
81)	1,2,4-trichlorobenzV	21.44	180	1524921	108.781 ug/L	97
82)	hexachlorobutadieneV	21.56	225	773446	107.308 ug/L	99
83)	naphthaleneV	21.77	128	3634472	92.681 ug/L	99
84)	1,2,3-trichlorobenzV	22.06	180	1341582	105.372 ug/L	96
85)	SS 2,5-DBT_MS	23.36	250	604424	108.044 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071217.D Vial: 17
Acq On : 12 Jul 2010 5:22 pm Operator: BAM
Sample : 100 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:04 2010 Quant Results File: 5LID0712.RES

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071218.D Vial: 18
Acq On : 12 Jul 2010 5:56 pm Operator: BAM
Sample : 100 G Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 18:24:21 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Wed Jun 30 10:45:37 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

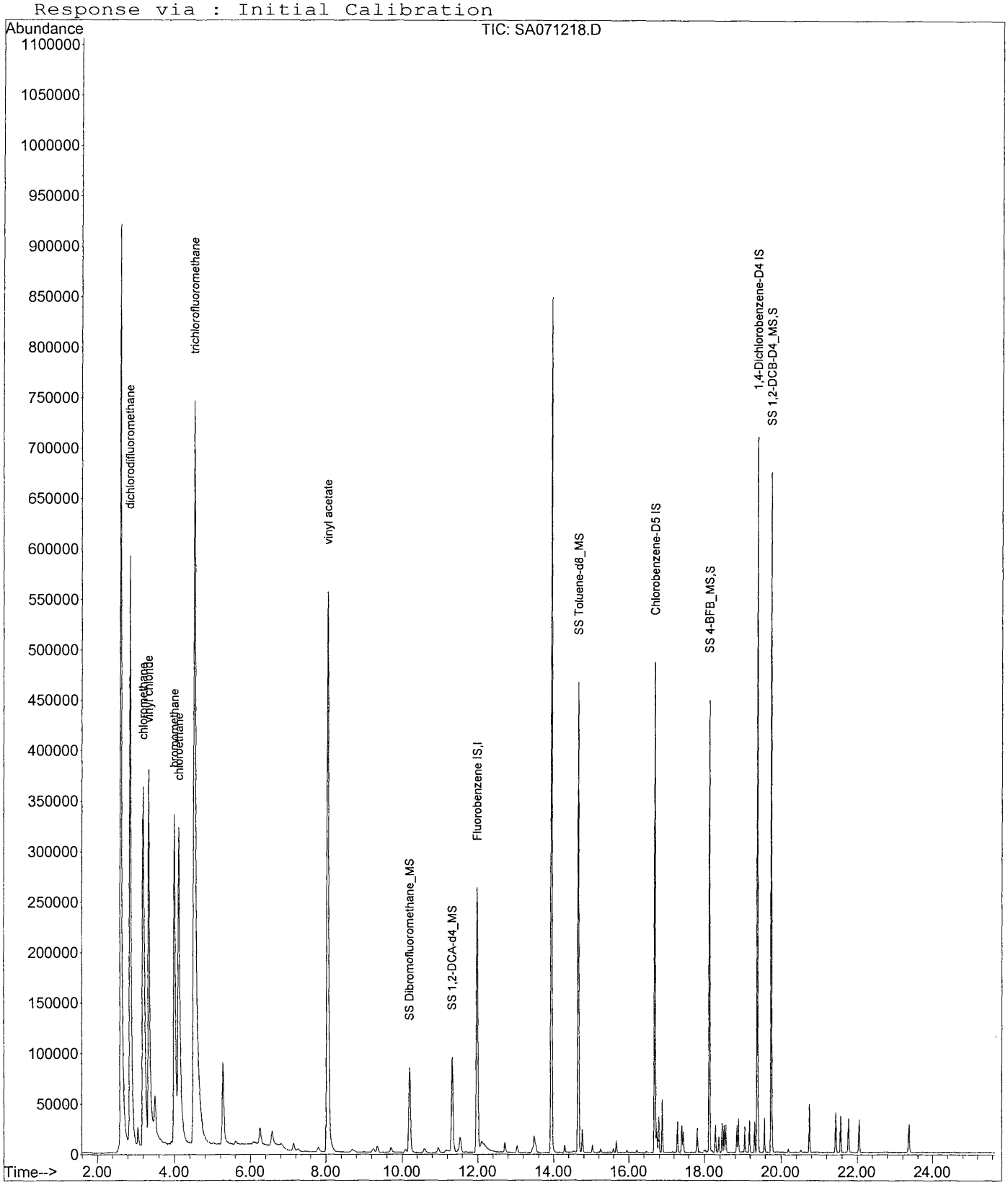
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene IS	11.99	96	339705	10.000	ug/L		-0.07
System Monitoring Compounds							
61) SS 4-BFB_MS	18.13	95	133435	10.36	ug/L		-0.05
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.60%				
78) SS 1,2-DCB-D4_MS	19.75	152	139498	9.63	ug/L		-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.34%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	2.86	85	954538	89.014	ug/L		98
3) chloromethane	3.20	50	814431	61.886	ug/L		97
4) vinyl chloride	3.34	62	561087	71.892	ug/L		98
5) bromomethane	4.00	94	399428	78.549	ug/L	#	93
6) chloroethane	4.12	64	517114	68.865	ug/L		97
7) trichlorofluoromethane	4.52	101	1431848	79.024	ug/L		98
20) vinyl acetate	8.05	43	1403163	108.838	ug/L		97
29) SS Dibromofluoromethane_MS	10.19	111	85396	9.773	ug/L	#	96
33) SS 1,2-DCA-d4_MS	11.34	65	106507	10.434	ug/L		96
43) Chlorobenzene-D5 IS	16.69	117	264934	9.927	ug/L		94
44) SS Toluene-d8_MS	14.65	98	335018	10.126	ug/L		97
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	154065	9.606	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\1\DATA\2010\JUL10\JUL1210\SA071218.D Vial: 18
Acq On : 12 Jul 2010 5:56 pm Operator: BAM
Sample : 100 G Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 18:25 2010 Quant Results File: 5LID0712.RES

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



524.2
Volatile Organic Analysis

Batch QC & Sample Data

VOAMS5 Analysis Run Log

Page 23 of 50

IS/SS ID= V- 36669 Added fresh IS/SS
Standard ID= V- 3650A
Analyst: Bdu
Gas Standard ID= V- 36666
LCS/LCSD and/or MS/MSD Standard ID= V- 3667 (G) 3660 (L)
Date: 8/25/10

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA082501	Blank					VOCMS				
2		BFB 25ng					VOCMS	5LIB0712	~~RR~~		
3		STD 10					VOCMS		BM, TBA, ETBE, 22DCP, 2-Hexa↓ MEK, THF, TAME↓		✓
4		STD 0.5					VOCMS				✓
5		MB					VOCMS				✓
6		BFB 25ng					VOCMS		RR		
7		91995.02	✓	✓		x5	VOCMS				
8		~~92049.22~~ Bdu		✓		x1	VOCMS		BFB 25ng AutoFind		✓
9		92049.23		✓			VOCMS				
10		.26		✓			VOCMS				
11		92095.01		✓			VOCMS				
12		92105.01		✓			VOCMS				
13		.02		✓			VOCMS				
14		92108.02		✓			VOCMS				
15		.03		✓			VOCMS				
16		92111.01		✓			VOCMS				
17		.02		✓			VOCMS				
18		92181.01		✓			VOCMS				
19		.02		✓			VOCMS				
20		~~92119.01~~ Bdu		✓			VOCMS		92049.22		
21		LCS10					VOCMS		DCDFM↑ BM, ETBE, 22DCP, TAME↓	✓	✓
22		LCSD10					VOCMS		DCDFM BM, TBA, ETBE, 22DCP, TAME↓	✓	✓
							VOCMS				
							VOCMS				
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✓ ✓ ✓

Samples removed from autosampler, order and pH verified by Bdu 8/26/10 1-22

nQCBatch 73401052515

aQCPointers
BlnkD082510VNH521
LCSaD082510VNH521
LCSDD082510VNH521

aQCBatchMembers

5LID0712
Most analytes are linear 0.5 to 100ug/L (200ug/L for MtBE and m,p-xylene; 500ug/L for TBA).
Gases are linear to 100ug/L
Exceptions are: BF is linear to 20ug/L.
MtBE, Bromodichloromethane, cis-1,3-DCP, trans-1,3-DCP, m,p-xlene and hexachorobutadiene linear ranges are 0.20 - 100ug/L.

All compounds are avg. RF except BM, which is linear regression.

2nd source met 20% Dev. for all compounds except BM. Samples with BM present will need to be analyzed under a curve in control for these compound.

92049.22
92049.23
92049.24
92049.25
92049.26
92095.01
92108.02
92108.03
92105.01
92105.02
92111.01
92111.02
92131.01
92131.02
73401052502.08P
73401052506.05
73401052506.06

CV DEV
bromomethane 10.000 6.625 33.8
tert-Butyl Alcohol (TBA) 50.000 29.278 41.4
Ethyl-t-butyl ether (ETBE) 10.000 6.893 31.1
2,2-dichloropropane 10.000 6.578 34.2
2-butanone (MEK) 10.000 6.575 34.3
Tetrahydrofuran (THF) 10.000 6.156 38.4
tert-amyl methyl ether (TAM 10.000 6.260 37.4
2-hexanone 10.000 6.548 34.5
Low point (0.5ug/L) was analyzed to support the reporting limit.

12 hr. (25ng) tune OK
Blank OK
LCS & LCSD OK except:
LCS Dichlorodifluoromethane OOC Actual = 14 (142 %R) Target = 70-130
Bromomethane OOC Actual = 5.4 (54 %R) Target = 70-130
Ethyl-t-butyl ether(ETBE) OOC Actual = 6.8 (68 %R) Target = 70-130
tert-amyl methyl ether(TAME) OC Actual = 6.5 (65 %R) Target = 70-130
2,2-Dichloropropane OOC Actual = 5.6 (56 %R) Target = 70-130
LCSD Dichlorodifluoromethane OOC Actual = 14 (145 %R) Target = 70-130
Bromomethane OOC Actual = 6.8 (68 %R) Target = 70-130
tert-Butyl Alcohol (TBA) OOC Actual = 30 (66 %R)Target = 70-130
Ethyl-t-butyl ether(ETBE) OOC Actual = 6.9 (69 %R)Target = 70-130
tert-amyl methyl ether(TAME) Actual = 6.6 (66 %R) Target = 70-130
2,2-Dichloropropane OOC Actual = 5.7 (57 %R) Target = 70-130
None of these compounds are present in the samples; therefore, there is no impact to the clients' data.
IS areas OK
pH of samples OK

GC/MS QA-QC Check Report

Tune File : C:\MSDCHEM\1\DATA\AUG2510\SA082503.D
Tune Time : 25 Aug 2010 10:11 am

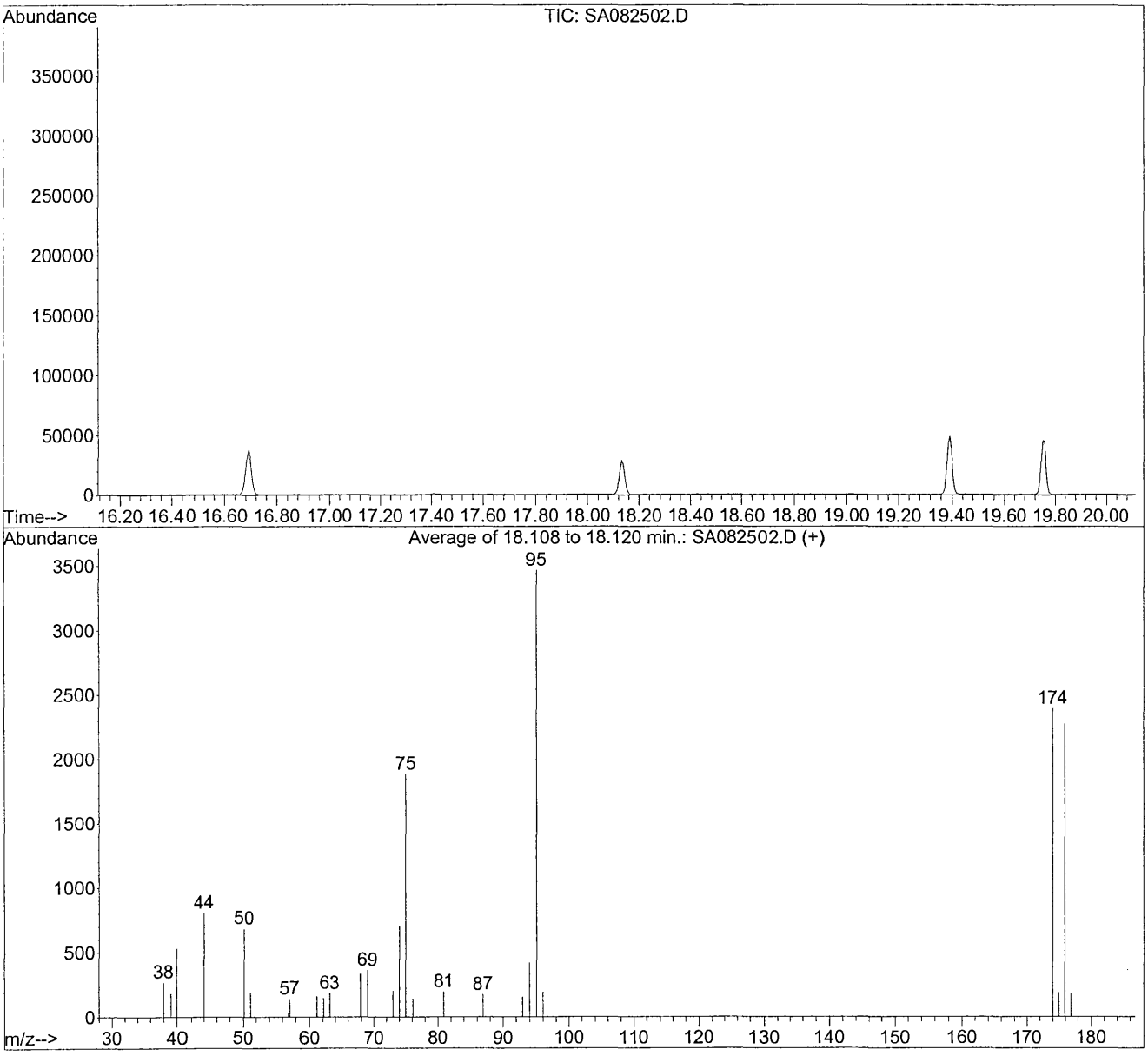
Daily Calibration File : U:\1\DATA\JUL2910\SA072903.D

			310923
File	Sample	Surrogate Recovery %	Internal Standard Responses
SA082503.D	STD 10	98 110	313193
SA082504.D	STD 0.5	92 103	307753
SA082505.D	MB	91 102	300837
SA082507.D	91995.02	92 103	301249
SA082509.D	92049.23	89 102	296464
SA082510.D	92049.26	91 103	291510
SA082511.D	92095.01	89 104	290169
SA082512.D	92105.01	89 102	301221
SA082513.D	92105.02	89 103	301262
SA082514.D	92108.02	89 103	300036
SA082515.D	92108.03	90 104	301650
SA082516.D	92111.01	90 104	296617
SA082517.D	92111.02	89 103	297339
SA082518.D	92131.01	90 103	300454
SA082519.D	92131.02	89 105	292621
SA082520.D	92049.22	89 104	292925
SA082521.D	LCS 10	100 110	311535
SA082522.D	LCSD 10	98 109	317461

t - fails 12hr time check * - fails criteria

Created: Thu Aug 26 14:30:46 2010 VOAMS5

Data File : W:\1\DATA\AUG10\AUG2510\SA082502.D Vial: 2
Acq On : 25 Aug 2010 9:21 am Operator: BAM
Sample : BFB 25 NG Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010



Spectrum Information: Average of 18.108 to 18.120 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	685	PASS
75	95	30	60	54.4	1884	PASS
95	95	100	100	100.0	3465	PASS
96	95	5	9	5.6	194	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.0	2391	PASS
175	174	5	9	7.8	186	PASS
176	174	95	101	95.1	2275	PASS
177	176	5	9	7.9	180	PASS

Evaluate Continuing Calibration Report

Data File : W:\1\DATA\AUG10\AUG2510\SA082503.D Vial: 3
Acq On : 25 Aug 2010 10:11 am Operator: BAM
Sample : STD 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p

Method : W:\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Thu Sep 02 09:38:30 2010
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	95	0.00
2		dichlorodifluoromethane	0.287	0.304	-5.9	97	0.00
3		chloromethane	0.263	0.207	21.3	76	0.00
4		vinyl chloride	0.183	0.181	1.1	95	0.00
5		bromomethane	0.113	0.075#	33.6#	68#	0.00
6		chloroethane	0.158	0.153	3.2	91	0.00
7		trichlorofluoromethane	0.430	0.399	7.2	86	0.00
8		diethyl ether	0.173	0.156	9.8	85	0.00
9		1,1,2-Trichlorotrifluoroeth	0.236	0.236	0.0	96	0.00
10		acetone	0.074	0.052#	29.7	65#	-0.02
11		1,1-dichloroethene	0.242	0.220	9.1	89	0.00
12		tert-Butyl Alcohol (TBA)	0.018	0.011#	38.9#	56#	-0.01
13		methylene chloride	0.274	0.258	5.8	96	0.00
14		carbon disulfide	0.774	0.648	16.3	84	0.00
15		acrylonitrile	0.093	0.076#	18.3	82	-0.01
16		Methyl-t-butyl ether (MTBE)	0.724	0.524	27.6	71	0.00
17		trans-1,2-dichloroethene	0.277	0.247	10.8	87	0.00
18		hexane	0.367	0.313	14.7	82	0.00
19		Isopropyl ether (DIPE)	0.896	0.697	22.2	75	0.00
20		vinyl acetate	0.350	0.278	20.6	74	0.00
21		1,1-dichloroethane	0.489	0.443	9.4	87	0.00
22		Ethyl-t-butyl ether (ETBE)	0.767	0.529	31.0#	66#	0.00
23		2,2-dichloropropane	0.419	0.275	34.4#	63#	0.00
24		cis-1,2-dichloroethene	0.396	0.356	10.1	87	0.00
25		2-butanone (MEK)	0.114	0.075#	34.2#	66#	-0.01
26		bromochloromethane	0.143	0.139	2.8	92	0.00
27		Tetrahydrofuran (THF)	0.075	0.046#	38.7#	63#	0.00
28		chloroform	0.503	0.465	7.6	89	0.00
29		SS Dibromofluoromethane_MS	0.251	0.267	-6.4	100	0.00
30		1,1,1-trichloroethane	0.453	0.380	16.1	81	0.00
31		carbon tetrachloride	0.375	0.335	10.7	86	0.00
32		1,1-dichloropropene	0.396	0.333	15.9	82	0.00
33		SS 1,2-DCA-d4_MS	0.316	0.326	-3.2	98	0.00
34		tert-amyl methyl ether (TAM	0.722	0.452	37.4#	60#	0.00
35		benzene	1.164	1.045	10.2	88	0.00
36		1,2-dichloroethane	0.406	0.375	7.6	88	0.00
37		trichloroethene	0.293	0.259	11.6	86	0.00
38		1,2-dichloropropane	0.277	0.240	13.4	83	0.00
39		dibromomethane	0.171	0.157	8.2	87	0.00
40		bromodichloromethane	0.367	0.338	7.9	88	0.00
41		4-methyl-2-pentanone (MIBK)	0.079	0.058#	26.6	70	0.00
42		cis-1,3-dichloropropene	0.439	0.358	18.5	77	0.00
43		Chlorobenzene-D5 IS	0.785	0.787	-0.3	95	0.00
44		SS Toluene-d8_MS	0.986	1.013	-2.7	97	0.00
45		toluene	1.231	1.126	8.5	89	0.00
46		trans-1,3-dichloropropene	0.396	0.311	21.5	73	0.00
47		1,1,2-trichloroethane	0.195	0.178	8.7	85	0.00
48		2-hexanone	0.165	0.108	34.5#	66#	0.00
49		tetrachloroethene	0.323	0.305	5.6	90	0.00
50		1,3-dichloropropane	0.402	0.358	10.9	85	0.00
51		dibromochloromethane	0.250	0.240	4.0	92	0.00
52		1,2-dibromoethane	0.241	0.212	12.0	85	0.00
53		chlorobenzene	0.832	0.786	5.5	90	0.00
54		1,1,1,2-tetrachloroethane	0.276	0.263	4.7	91	0.00
55		ethylbenzene	1.443	1.354	6.2	90	0.00
56		mp-xylene	0.585	0.561	4.1	91	0.00
57		o-xylene	0.568	0.527	7.2	88	0.00

58		styrene	0.930	0.879	5.5	89	0.00
59		bromoform	0.134	0.144	-7.5	94	0.00
60		iso-propylbenzene	1.383	1.286	7.0	89	0.00
61	S	SS 4-BFB_MS	0.399	0.392	1.8	93	0.00
62		1,4-Dichlorobenzene-D4 IS	0.469	0.514	-9.6	104	0.00
63		bromobenzene	0.376	0.362	3.7	92	0.00
64		1,1,2,2-tetrachloroethane	0.287	0.254	11.5	85	0.00
65		1,2,3-trichloropropane	0.090	0.080#	11.1	89	0.00
66		n-propylbenzene	1.756	1.660	5.5	90	0.00
67		2-chlorotoluene	1.090	1.023	6.1	90	0.00
68		4-chlorotoluene	1.093	1.041	4.8	91	0.02
69		1,3,5-trimethylbenzene	1.286	1.236	3.9	91	0.00
70		tert-butylbenzene	1.100	1.038	5.6	89	0.00
71		1,2,4-trimethylbenzene	1.335	1.296	2.9	92	0.00
72		sec-butylbenzene	1.633	1.557	4.7	91	0.00
73		1,3-dichlorobenzeneV	0.754	0.736	2.4	94	0.00
74		p-isopropyltoluene	1.364	1.331	2.4	92	0.00
75		1,4-dichlorobenzeneV	0.759	0.745	1.8	95	0.00
76		1,2-dichlorobenzeneV	0.714	0.693	2.9	93	0.00
77		n-butylbenzene	1.239	1.176	5.1	89	0.00
78	S	SS 1,2-DCB-D4_MS	0.424	0.467	-10.1	103	0.00
79		1,2-dibromo-3-chloropropane	0.057	0.048#	15.8	84	0.00
80		1,3,5-trichlorobenzV	0.501	0.467	6.8	90	0.00
81		1,2,4-trichlorobenzV	0.420	0.377	10.2	86	0.00
82		hexachlorobutadieneV	0.225	0.210	6.7	90	0.00
83		naphthaleneV	0.977	0.831	14.9	80	0.00
84		1,2,3-trichlorobenzV	0.371	0.340	8.4	87	0.00
85		SS 2,5-DBT_MS	0.152	0.120	21.1	75	0.00

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

SA071213.D 5LID0712.M Thu Sep 02 09:38:33 2010

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2510\SA082503.D Vial: 3
Acq On : 25 Aug 2010 10:11 am Operator: BAM
Sample : STD 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 25 11:32:18 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.99	96	313193	10.000	ug/L	0.00
System Monitoring Compounds						
61) SS 4-BFB_MS	18.13	95	122884	9.82	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.21%			
78) SS 1,2-DCB-D4_MS	19.75	152	146140	11.00	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.99%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.87	85	95254	10.590	ug/L	100
3) chloromethane	3.21	50	64907	7.890	ug/L	98
4) vinyl chloride	3.36	62	56677	9.878	ug/L	98
5) bromomethane	4.01	94	23491	6.625	ug/L	93
6) chloroethane	4.13	64	47970	9.745	ug/L	99
7) trichlorofluoromethane	4.52	101	124960	9.280	ug/L	99
8) diethyl ether	5.02	59	48874	9.040	ug/L	99
9) 1,1,2-Trichlorotrifluoroet	5.28	101	73830	10.005	ug/L	99
10) acetone	5.39	43	16210m	6.964	ug/L	
11) 1,1-dichloroethene	5.62	96	68925	9.077	ug/L	96
12) tert-Butyl Alcohol (TBA)	5.78	59	16910m	29.278	ug/L	
13) methylene chloride	6.56	84	80819	9.424	ug/L	96
14) carbon disulfide	6.59	76	203098	8.380	ug/L	100
15) acrylonitrile	6.82	53	23801	8.143	ug/L	97
16) Methyl-t-butyl ether (MTBE	6.86	73	328514	14.480	ug/L #	95
17) trans-1,2-dichloroethene	7.16	96	77278	8.916	ug/L	98
18) hexane	7.27	57	98153	8.529	ug/L	97
19) Isopropyl ether (DIPE)	7.81	45	218192	7.775	ug/L	96
20) vinyl acetate	8.06	43	86962	7.928	ug/L	98
21) 1,1-dichloroethane	8.05	63	138614	9.055	ug/L	100
22) Ethyl-t-butyl ether (ETBE)	8.69	59	165648	6.893	ug/L #	95
23) 2,2-dichloropropane	9.25	77	86260	6.578	ug/L #	85
24) cis-1,2-dichloroethene	9.37	61	111425	8.992	ug/L	99
25) 2-butanone (MEK)	8.96	43	23533	6.575	ug/L	97
26) bromochloromethane	10.08	128	43559	9.732	ug/L	94
27) Tetrahydrofuran (THF)	10.16	42	14488	6.156	ug/L	98
28) chloroform	9.71	83	145697	9.245	ug/L	99
29) SS Dibromofluoromethane_MS	10.20	111	83689	10.647	ug/L	99
30) 1,1,1-trichloroethane	10.60	97	119159	8.406	ug/L	98
31) carbon tetrachloride	11.18	117	105047	8.941	ug/L	99
32) 1,1-dichloropropene	10.97	75	104368	8.406	ug/L	95
33) SS 1,2-DCA-d4_MS	11.34	65	102073	10.315	ug/L	99
34) tert-amyl methyl ether (TA	11.24	73	141600	6.260	ug/L #	88
35) benzene	11.55	78	327238	8.975	ug/L	99
36) 1,2-dichloroethane	11.54	62	117340	9.236	ug/L	100
37) trichloroethene	12.73	95	81014	8.833	ug/L	96
38) 1,2-dichloropropane	13.05	63	75052	8.662	ug/L	98
39) dibromomethane	13.53	93	49177	9.201	ug/L	98
40) bromodichloromethane	13.44	83	105719	9.199	ug/L	98
41) 4-methyl-2-pentanone (MIBK	13.98	58	18109	7.302	ug/L	98
42) cis-1,3-dichloropropene	14.30	75	112125	8.146	ug/L	96
43) Chlorobenzene-D5 IS	16.69	117	246574	10.035	ug/L	98
44) SS Toluene-d8_MS	14.65	98	317141	10.274	ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\MSDCHEM\1\DATA\AUG2510\SA082503.D Vial: 3
Acq On : 25 Aug 2010 10:11 am Operator: BAM
Sample : STD 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 25 11:32:18 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

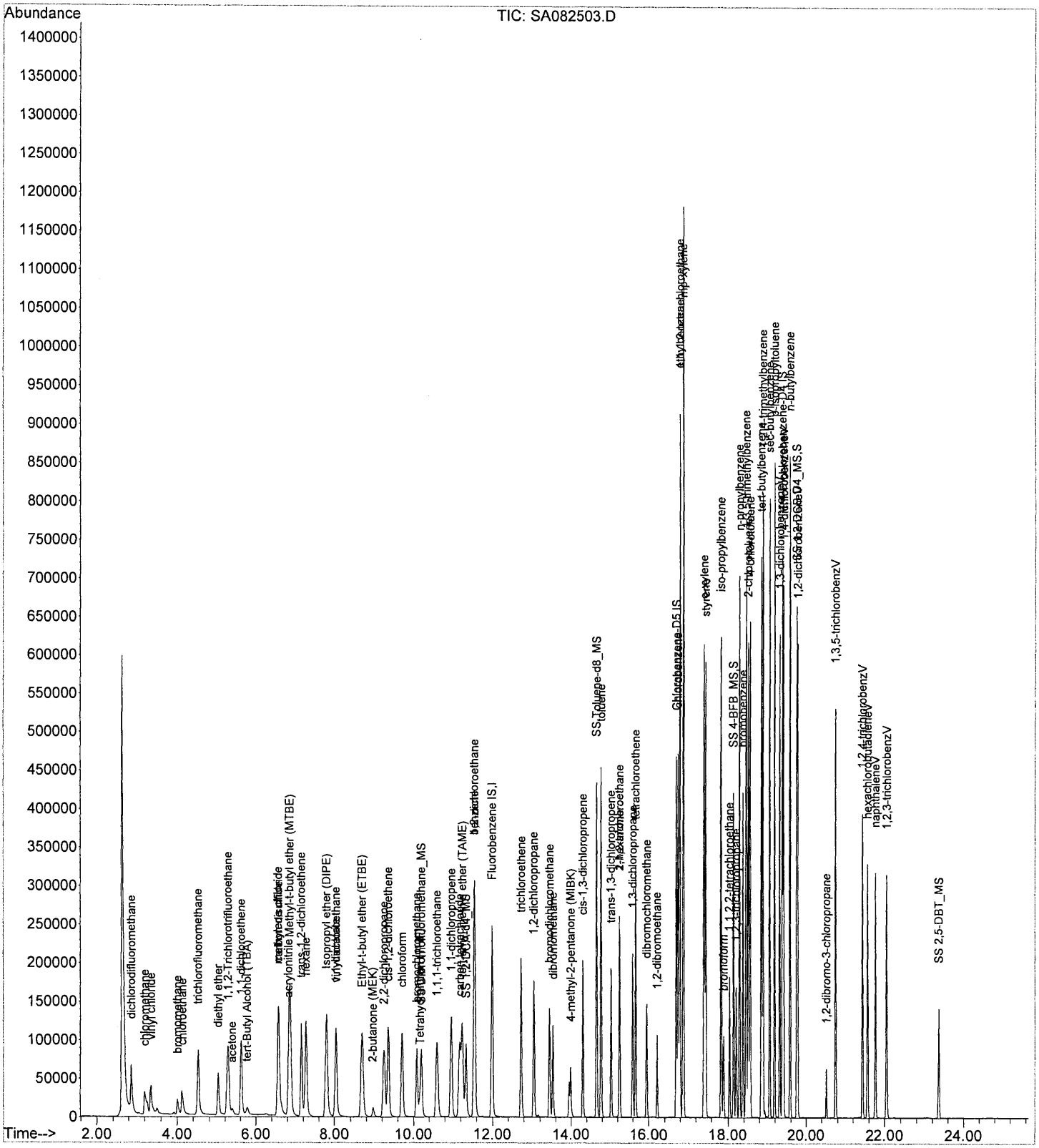
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	toluene	14.77	91	352774	9.149	ug/L		99
46)	trans-1,3-dichloropropene	15.03	75	97385	7.860	ug/L		97
47)	1,1,2-trichloroethane	15.25	83	55637	9.089	ug/L		97
48)	2-hexanone	15.25	43	33785	6.548	ug/L		99
49)	tetrachloroethene	15.67	166	95467	9.438	ug/L		99
50)	1,3-dichloropropane	15.60	76	112055	8.907	ug/L		95
51)	dibromochloromethane	15.95	129	75149	9.616	ug/L	#	100
52)	1,2-dibromoethane	16.22	107	66297	8.800	ug/L		98
53)	chlorobenzene	16.74	112	246142	9.449	ug/L		97
54)	1,1,1,2-tetrachloroethane	16.79	131	82364	9.522	ug/L		99
55)	ethylbenzene	16.79	91	423944	9.380	ug/L		99
56)	mp-xylene	16.89	106	351621	19.186	ug/L		98
57)	o-xylene	17.41	106	165198	9.288	ug/L		98
58)	styrene	17.46	104	275398	9.459	ug/L		98
59)	bromoform	17.89	173	45227	10.743	ug/L		97
60)	iso-propylbenzene	17.83	105	402785	9.297	ug/L		99
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	160938	10.950	ug/L		98
63)	bromobenzene	18.38	156	113362	9.624	ug/L		95
64)	1,1,2,2-tetrachloroethane	18.04	83	79554	8.842	ug/L		100
65)	1,2,3-trichloropropane	18.21	110	25194	8.893	ug/L		96
66)	n-propylbenzene	18.28	91	520017	9.455	ug/L		99
67)	2-chlorotoluene	18.51	91	320320	9.387	ug/L		99
68)	4-chlorotoluene	18.56	91	326051	9.522	ug/L		99
69)	1,3,5-trimethylbenzene	18.46	105	387042	9.612	ug/L		99
70)	tert-butylbenzene	18.84	119	325236	9.444	ug/L		99
71)	1,2,4-trimethylbenzene	18.89	105	405881	9.706	ug/L		99
72)	sec-butylbenzene	19.06	105	487679	9.536	ug/L		99
73)	1,3-dichlorobenzeneV	19.32	146	230409	9.755	ug/L		97
74)	p-isopropyltoluene	19.19	119	416769	9.758	ug/L		99
75)	1,4-dichlorobenzeneV	19.42	146	233218	9.810	ug/L		96
76)	1,2-dichlorobenzeneV	19.78	146	217083	9.708	ug/L		98
77)	n-butylbenzene	19.58	91	368230	9.488	ug/L		100
79)	1,2-dibromo-3-chloropropan	20.52	157	15086	8.418	ug/L		94
80)	1,3,5-trichlorobenzV	20.75	180	146326	9.321	ug/L		98
81)	1,2,4-trichlorobenzV	21.44	180	118053	8.979	ug/L		98
82)	hexachlorobutadieneV	21.56	225	65719	9.330	ug/L		99
83)	naphthaleneV	21.77	128	260415	8.507	ug/L		99
84)	1,2,3-trichlorobenzV	22.06	180	106351	9.146	ug/L		98
85)	SS 2,5-DBT_MS	23.36	250	37575	7.895	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2510\SA082503.D Vial: 3
Acq On : 25 Aug 2010 10:11 am Operator: BAM
Sample : STD 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 25 11:32 2010 Quant Results File: 5LID0712.RES

Method : C:\MSDCHEM\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082505.D Vial: 5
Acq On : 25 Aug 2010 11:19 am Operator: BAM
Sample : MB Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 25 12:29:02 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.99	96	300837	10.000	ug/L	0.00
System Monitoring Compounds						
61) SS 4-BFB_MS	18.13	95	109027	9.07	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.72%			
78) SS 1,2-DCB-D4_MS	19.75	152	130681	10.24	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.40%			
Target Compounds						Qvalue
10) acetone	5.38	43	404	0.181	ug/L #	70
13) methylene chloride	6.57	84	1367	0.166	ug/L	92
14) carbon disulfide	6.59	76	2997	0.129	ug/L #	82
29) SS Dibromofluoromethane_MS	10.20	111	80289	10.634	ug/L	98
33) SS 1,2-DCA-d4_MS	11.34	65	101786	10.709	ug/L	98
37) trichloroethene	12.72	95	1275	0.145	ug/L	94
43) Chlorobenzene-D5 IS	16.69	117	237626	10.068	ug/L	98
44) SS Toluene-d8_MS	14.65	98	302949	10.217	ug/L	99
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	139256	9.864	ug/L	91

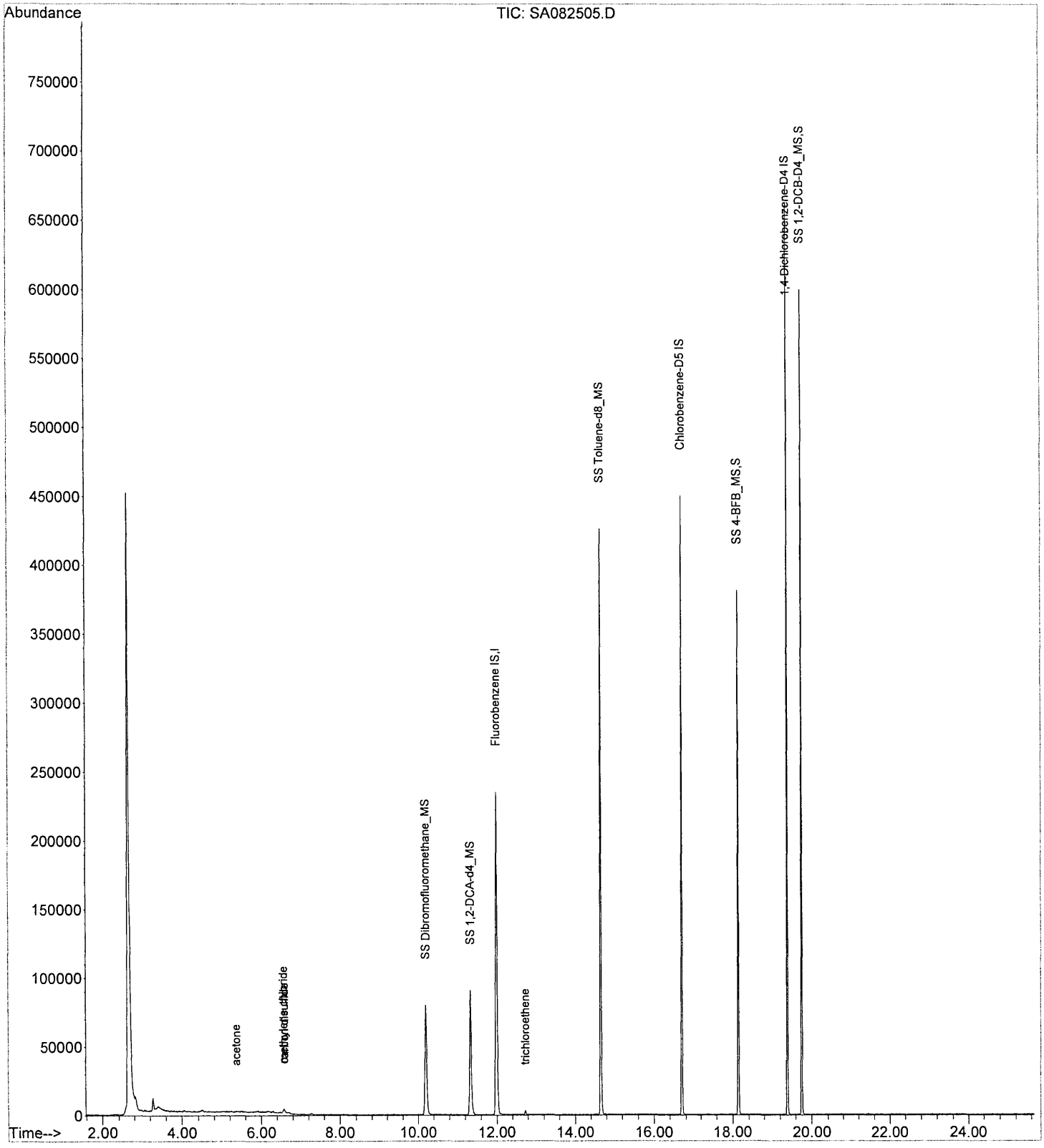
8/25/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082505.D Vial: 5
Acq On : 25 Aug 2010 11:19 am Operator: BAM
Sample : MB Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 25 12:29 2010 Quant Results File: 5LID0712.RES

Method : C:\MSDCHEM\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082521.D Vial: 21
Acq On : 25 Aug 2010 8:28 pm Operator: BAM
Sample : LCS 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 14:11:31 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene IS	11.99	96	311535	10.000	ug/L		0.00
System Monitoring Compounds							
61) SS 4-BFB_MS	18.13	95	124072	9.97	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.69%				
78) SS 1,2-DCB-D4_MS	19.75	152	144794	10.96	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.56%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	2.87	85	126655	14.156	ug/L		99
3) chloromethane	3.23	50	68633	8.387	ug/L		99
4) vinyl chloride	3.36	62	60228	10.553	ug/L		100
5) bromomethane	4.01	94	18883	5.354	ug/L		95
6) chloroethane	4.13	64	52802	10.811	ug/L		97
7) trichlorofluoromethane	4.54	101	136087	10.160	ug/L		100
8) diethyl ether	5.03	59	48397	9.000	ug/L		98
9) 1,1,2-Trichlorotrifluoroet	5.29	101	75902	10.340	ug/L		98
10) acetone	5.41	43	18190m	7.857	ug/L		
11) 1,1-dichloroethene	5.62	96	68597	9.082	ug/L		95
12) tert-Butyl Alcohol (TBA)	5.78	59	20126	35.032	ug/L	#	68
13) methylene chloride	6.57	84	81801	9.590	ug/L		97
14) carbon disulfide	6.59	76	179966	7.465	ug/L		99
15) acrylonitrile	6.84	53	24333	8.370	ug/L		96
16) Methyl-t-butyl ether (MTBE	6.87	73	163369	7.239	ug/L	#	92
17) trans-1,2-dichloroethene	7.15	96	76641	8.889	ug/L		97
18) hexane	7.27	57	1162	0.102	ug/L	#	53
19) Isopropyl ether (DIPE)	7.81	45	209979	7.522	ug/L		96
20) vinyl acetate	8.06	43	84952	7.786	ug/L		98
21) 1,1-dichloroethane	8.05	63	135933	8.928	ug/L		100
22) Ethyl-t-butyl ether (ETBE)	8.69	59	163407	6.836	ug/L	#	94
23) 2,2-dichloropropane	9.26	77	73074	5.602	ug/L	#	83
24) cis-1,2-dichloroethene	9.37	61	116567	9.457	ug/L		97
25) 2-butanone (MEK)	8.98	43	26573	7.464	ug/L	#	94
26) bromochloromethane	10.09	128	40947	9.198	ug/L		96
27) Tetrahydrofuran (THF)	10.17	42	16544	7.067	ug/L		96
28) chloroform	9.72	83	150798	9.619	ug/L		99
29) SS Dibromofluoromethane_MS	10.20	111	84853	10.852	ug/L		99
30) 1,1,1-trichloroethane	10.61	97	119807	8.497	ug/L		97
31) carbon tetrachloride	11.18	117	102528	8.773	ug/L		99
32) 1,1-dichloropropene	10.97	75	104884	8.493	ug/L		96
33) SS 1,2-DCA-d4_MS	11.34	65	104179	10.584	ug/L		99
34) tert-amyl methyl ether (TA	11.23	73	145180	6.453	ug/L	#	41
35) benzene	11.55	78	332038	9.156	ug/L		99
36) 1,2-dichloroethane	11.54	62	118007	9.338	ug/L		99
37) trichloroethene	12.73	95	79762	8.742	ug/L		95
38) 1,2-dichloropropane	13.05	63	74093	8.597	ug/L		98
39) dibromomethane	13.53	93	51154	9.621	ug/L		98
40) bromodichloromethane	13.44	83	101124	8.846	ug/L		99
41) 4-methyl-2-pentanone (MIBK	13.99	58	17856	7.238	ug/L		92
42) cis-1,3-dichloropropene	14.30	75	103904	7.589	ug/L		96
43) Chlorobenzene-D5 IS	16.69	117	247817	10.139	ug/L		97
44) SS Toluene-d8_MS	14.65	98	316596	10.311	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082521.D Vial: 21
Acq On : 25 Aug 2010 8:28 pm Operator: BAM
Sample : LCS 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 14:11:31 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
45)	toluene	14.77	91	356031	9.283 ug/L	99
46)	trans-1,3-dichloropropene	15.03	75	95314	7.733 ug/L #	77
47)	1,1,2-trichloroethane	15.25	83	56992	9.360 ug/L	96
48)	2-hexanone	15.25	43	38880	7.575 ug/L	99
49)	tetrachloroethene	15.67	166	102551	10.193 ug/L	98
50)	1,3-dichloropropane	15.60	76	119714	9.566 ug/L	90
51)	dibromochloromethane	15.95	129	73975	9.516 ug/L #	99
52)	1,2-dibromoethane	16.22	107	67778	9.044 ug/L	97
53)	chlorobenzene	16.74	112	244122	9.422 ug/L	97
54)	1,1,1,2-tetrachloroethane	16.79	131	80624	9.371 ug/L	97
55)	ethylbenzene	16.79	91	425893	9.473 ug/L	99
56)	mp-xylene	16.88	106	350346	19.218 ug/L	98
57)	o-xylene	17.41	106	162800	9.202 ug/L	99
58)	styrene	17.46	104	270451	9.338 ug/L	98
59)	bromoform	17.89	173	46371	11.073 ug/L	95
60)	iso-propylbenzene	17.83	105	437699	10.157 ug/L	99
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	159906	10.938 ug/L	97
63)	bromobenzene	18.38	156	113019	9.646 ug/L	94
64)	1,1,2,2-tetrachloroethane	18.04	83	81402	9.096 ug/L	100
65)	1,2,3-trichloropropane	18.21	110	26335	9.346 ug/L	93
66)	n-propylbenzene	18.28	91	528965	9.669 ug/L	99
67)	2-chlorotoluene	18.51	91	313745	9.243 ug/L	99
68)	4-chlorotoluene	18.56	91	320114	9.398 ug/L	98
69)	1,3,5-trimethylbenzene	18.46	105	382822	9.558 ug/L	100
70)	tert-butylbenzene	18.84	119	329762	9.626 ug/L	99
71)	1,2,4-trimethylbenzene	18.89	105	404092	9.715 ug/L	99
72)	sec-butylbenzene	19.06	105	489344	9.620 ug/L	99
73)	1,3-dichlorobenzeneV	19.32	146	224066	9.537 ug/L	97
74)	p-isopropyltoluene	19.19	119	412395	9.707 ug/L	99
75)	1,4-dichlorobenzeneV	19.42	146	227523	9.621 ug/L	94
76)	1,2-dichlorobenzeneV	19.78	146	214203	9.630 ug/L	97
77)	n-butylbenzene	19.58	91	363487	9.416 ug/L	99
79)	1,2-dibromo-3-chloropropan	20.52	157	15717	8.816 ug/L	96
80)	1,3,5-trichlorobenzV	20.75	180	146533	9.383 ug/L	97
81)	1,2,4-trichlorobenzV	21.44	180	120291	9.198 ug/L	97
82)	hexachlorobutadieneV	21.56	225	62362	8.900 ug/L	98
83)	naphthaleneV	21.77	128	262672	8.626 ug/L	99
84)	1,2,3-trichlorobenzV	22.05	180	107640	9.306 ug/L	98

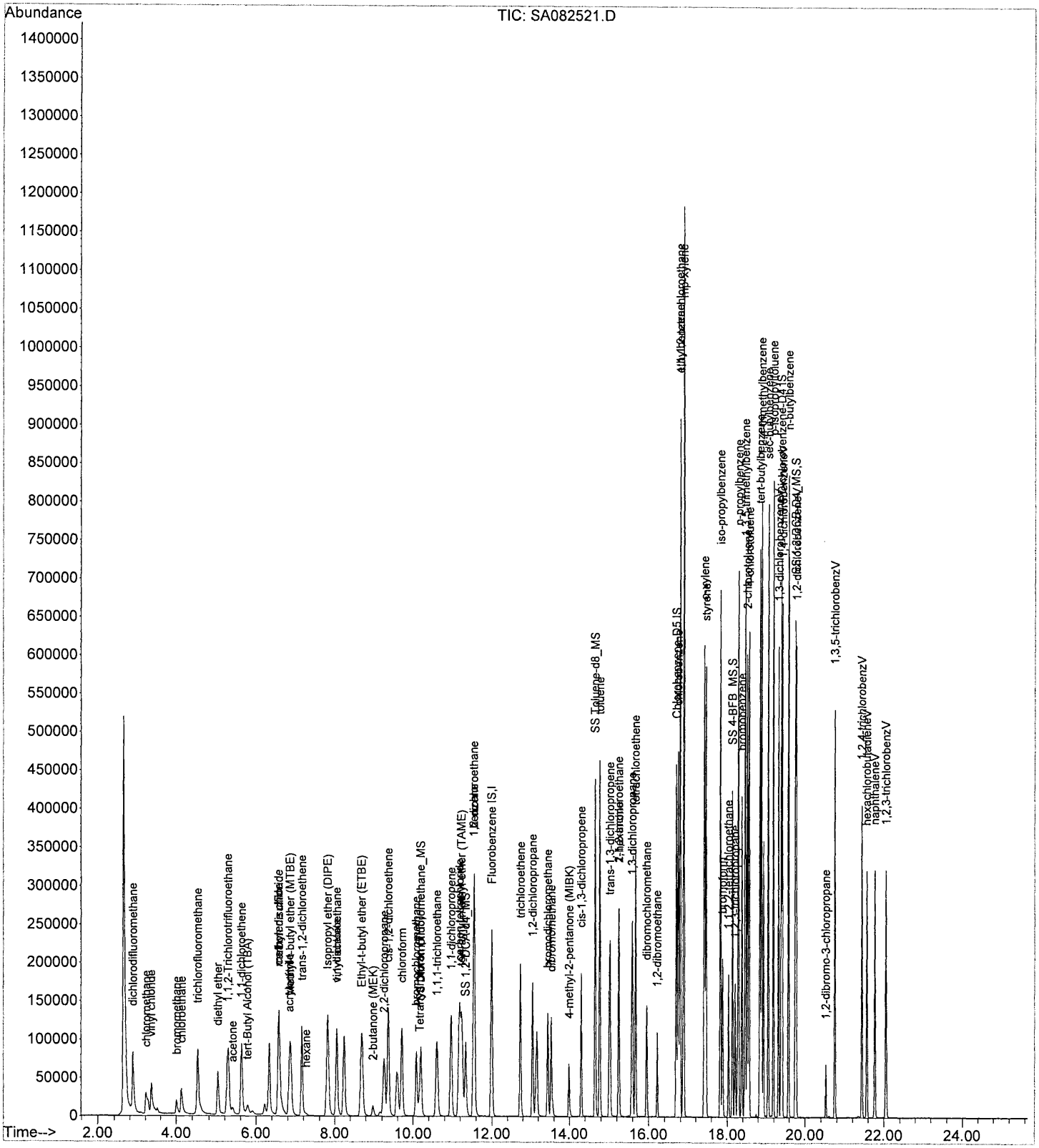
Brian 8/26/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082521.D Vial: 21
Acq On : 25 Aug 2010 8:28 pm Operator: BAM
Sample : LCS 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 14:11 2010 Quant Results File: 5LID0712.RES

Method : C:\MSDCHEM\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082522.D Vial: 22
Acq On : 25 Aug 2010 9:02 pm Operator: BAM
Sample : LCSD 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 14:28:35 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene IS	11.99	96	317461	10.000	ug/L		0.00
System Monitoring Compounds							
61) SS 4-BFB_MS	18.13	95	123786	9.76	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.60%				
78) SS 1,2-DCB-D4_MS	19.75	152	146181	10.85	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.55%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	2.89	85	131897	14.467	ug/L		99
3) chloromethane	3.23	50	71726	8.602	ug/L		100
4) vinyl chloride	3.37	62	61179	10.519	ug/L		99
5) bromomethane	4.02	94	24277	6.755	ug/L		93
6) chloroethane	4.15	64	53004	10.646	ug/L		98
7) trichlorofluoromethane	4.55	101	140560	10.298	ug/L		99
8) diethyl ether	5.04	59	49534	9.039	ug/L		98
9) 1,1,2-Trichlorotrifluoroet	5.30	101	78577	10.505	ug/L		98
10) acetone	5.42	43	18396m	7.797	ug/L		
11) 1,1-dichloroethene	5.64	96	71060m	9.233	ug/L		
12) tert-Butyl Alcohol (TBA)	5.80	59	19317	32.996	ug/L	#	61
13) methylene chloride	6.58	84	84117	9.677	ug/L		95
14) carbon disulfide	6.60	76	187495	7.632	ug/L		99
15) acrylonitrile	6.84	53	23779	8.027	ug/L		97
16) Methyl-t-butyl ether (MTBE	6.87	73	166717	7.250	ug/L	#	93
17) trans-1,2-dichloroethene	7.16	96	78625	8.949	ug/L		98
19) Isopropyl ether (DIPE)	7.83	45	216466	7.610	ug/L		96
20) vinyl acetate	8.07	43	82855	7.452	ug/L		98
21) 1,1-dichloroethane	8.06	63	139992	9.023	ug/L		99
22) Ethyl-t-butyl ether (ETBE)	8.70	59	168741	6.928	ug/L	#	95
23) 2,2-dichloropropane	9.27	77	75550	5.684	ug/L	#	84
24) cis-1,2-dichloroethene	9.38	61	118860	9.463	ug/L		97
25) 2-butanone (MEK)	8.98	43	27572	7.600	ug/L		97
26) bromochloromethane	10.10	128	42465	9.360	ug/L		94
27) Tetrahydrofuran (THF)	10.18	42	16987	7.121	ug/L		99
28) chloroform	9.72	83	153802	9.628	ug/L		99
29) SS Dibromofluoromethane_MS	10.21	111	83087	10.428	ug/L		99
30) 1,1,1-trichloroethane	10.61	97	123461	8.592	ug/L		97
31) carbon tetrachloride	11.19	117	107438	9.021	ug/L		98
32) 1,1-dichloropropene	10.98	75	109620	8.711	ug/L		95
33) SS 1,2-DCA-d4_MS	11.34	65	102764	10.246	ug/L		99
34) tert-amyl methyl ether (TA	11.25	73	150211	6.552	ug/L	#	43
35) benzene	11.56	78	339635	9.190	ug/L		99
36) 1,2-dichloroethane	11.54	62	118781	9.224	ug/L		99
37) trichloroethene	12.74	95	82034	8.824	ug/L		96
38) 1,2-dichloropropane	13.05	63	75213	8.564	ug/L		98
39) dibromomethane	13.53	93	51111	9.434	ug/L		97
40) bromodichloromethane	13.45	83	104051	8.932	ug/L		99
41) 4-methyl-2-pentanone (MIBK	14.00	58	18539	7.375	ug/L		97
42) cis-1,3-dichloropropene	14.31	75	107338	7.693	ug/L		96
43) Chlorobenzene-D5 IS	16.69	117	248881	9.992	ug/L		97
44) SS Toluene-d8_MS	14.66	98	317095	10.134	ug/L		98
45) toluene	14.77	91	365404	9.349	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082522.D Vial: 22
Acq On : 25 Aug 2010 9:02 pm Operator: BAM
Sample : LCSD 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 14:28:35 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	trans-1,3-dichloropropene	15.04	75	97570	7.769	ug/L	#	77
47)	1,1,2-trichloroethane	15.25	83	58055	9.356	ug/L		98
48)	2-hexanone	15.25	43	38865	7.431	ug/L		99
49)	tetrachloroethene	15.67	166	105154	10.256	ug/L		98
50)	1,3-dichloropropane	15.60	76	120303	9.434	ug/L		91
51)	dibromochloromethane	15.95	129	75343	9.511	ug/L	#	100
52)	1,2-dibromoethane	16.22	107	68028	8.908	ug/L		98
53)	chlorobenzene	16.74	112	249724	9.458	ug/L		99
54)	1,1,1,2-tetrachloroethane	16.79	131	80347	9.164	ug/L		99
55)	ethylbenzene	16.79	91	439591	9.595	ug/L		100
56)	mp-xylene	16.89	106	363385	19.561	ug/L		98
57)	o-xylene	17.41	106	167908	9.313	ug/L		99
58)	styrene	17.46	104	278525	9.438	ug/L		98
59)	bromoform	17.89	173	46496	10.896	ug/L		95
60)	iso-propylbenzene	17.83	105	452449	10.303	ug/L		99
62)	1,4-Dichlorobenzene-D4 IS	19.39	152	160467	10.772	ug/L		97
63)	bromobenzene	18.38	156	114703	9.607	ug/L		95
64)	1,1,2,2-tetrachloroethane	18.04	83	81164	8.900	ug/L		99
65)	1,2,3-trichloropropane	18.21	110	25935	9.032	ug/L		97
66)	n-propylbenzene	18.28	91	551093	9.885	ug/L		100
67)	2-chlorotoluene	18.51	91	324519	9.382	ug/L		99
68)	4-chlorotoluene	18.56	91	333917	9.620	ug/L		98
69)	1,3,5-trimethylbenzene	18.46	105	398099	9.754	ug/L		99
70)	tert-butylbenzene	18.84	119	343397	9.837	ug/L		98
71)	1,2,4-trimethylbenzene	18.89	105	421414	9.942	ug/L		98
72)	sec-butylbenzene	19.06	105	513462	9.906	ug/L		99
73)	1,3-dichlorobenzeneV	19.32	146	233938	9.772	ug/L		97
74)	p-isopropyltoluene	19.19	119	433827	10.021	ug/L		99
75)	1,4-dichlorobenzeneV	19.42	146	237086	9.838	ug/L		95
76)	1,2-dichlorobenzeneV	19.78	146	221237	9.760	ug/L		97
77)	n-butylbenzene	19.58	91	385853	9.809	ug/L		100
79)	1,2-dibromo-3-chloropropan	20.52	157	15884	8.744	ug/L		95
80)	1,3,5-trichlorobenzV	20.75	180	154169	9.688	ug/L		98
81)	1,2,4-trichlorobenzV	21.44	180	130174	9.768	ug/L		97
82)	hexachlorobutadieneV	21.56	225	67808	9.497	ug/L		99
83)	naphthaleneV	21.77	128	277933	8.957	ug/L		99
84)	1,2,3-trichlorobenzV	22.06	180	113138	9.599	ug/L		98

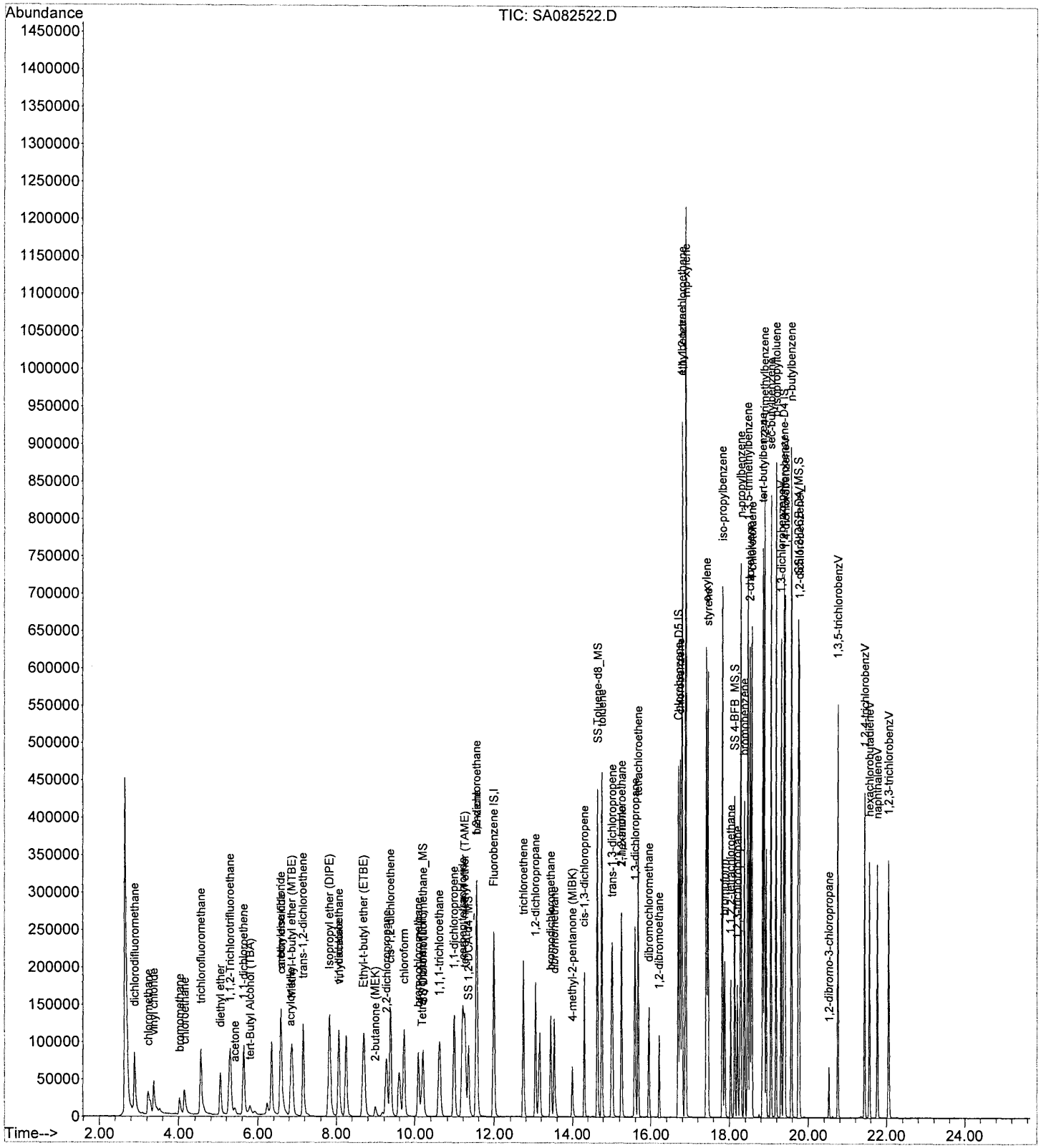
8/26/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2510\SA082522.D Vial: 22
Acq On : 25 Aug 2010 9:02 pm Operator: BAM
Sample : LCSD 10 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 14:28 2010 Quant Results File: 5LID0712.RES

Method : C:\MSDCHEM\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2510\SA082520.D Vial: 20
Acq On : 25 Aug 2010 7:54 pm Operator: BAM
Sample : 92049.22 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 07:30:09 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.99	96	292925	10.000	ug/L	0.00
System Monitoring Compounds						
61) SS 4-BFB_MS	18.13	95	104651	8.94	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.43%			
78) SS 1,2-DCB-D4_MS	19.75	152	129598	10.43	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.29%			
Target Compounds						Qvalue
8) diethyl ether	5.03	59	1347	0.266	ug/L	92
10) acetone	5.40	43	1011	0.464	ug/L #	59
14) carbon disulfide	6.59	76	4322	0.191	ug/L #	82
27) Tetrahydrofuran (THF)	10.16	42	241	0.109	ug/L #	37
29) SS Dibromofluoromethane_MS	10.20	111	78947	10.738	ug/L	99
33) SS 1,2-DCA-d4_MS	11.34	65	101095	10.923	ug/L	98
43) Chlorobenzene-D5 IS	16.69	117	229030	9.966	ug/L	99
44) SS Toluene-d8_MS	14.65	98	295239	10.226	ug/L	98
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	134018	9.750	ug/L	92

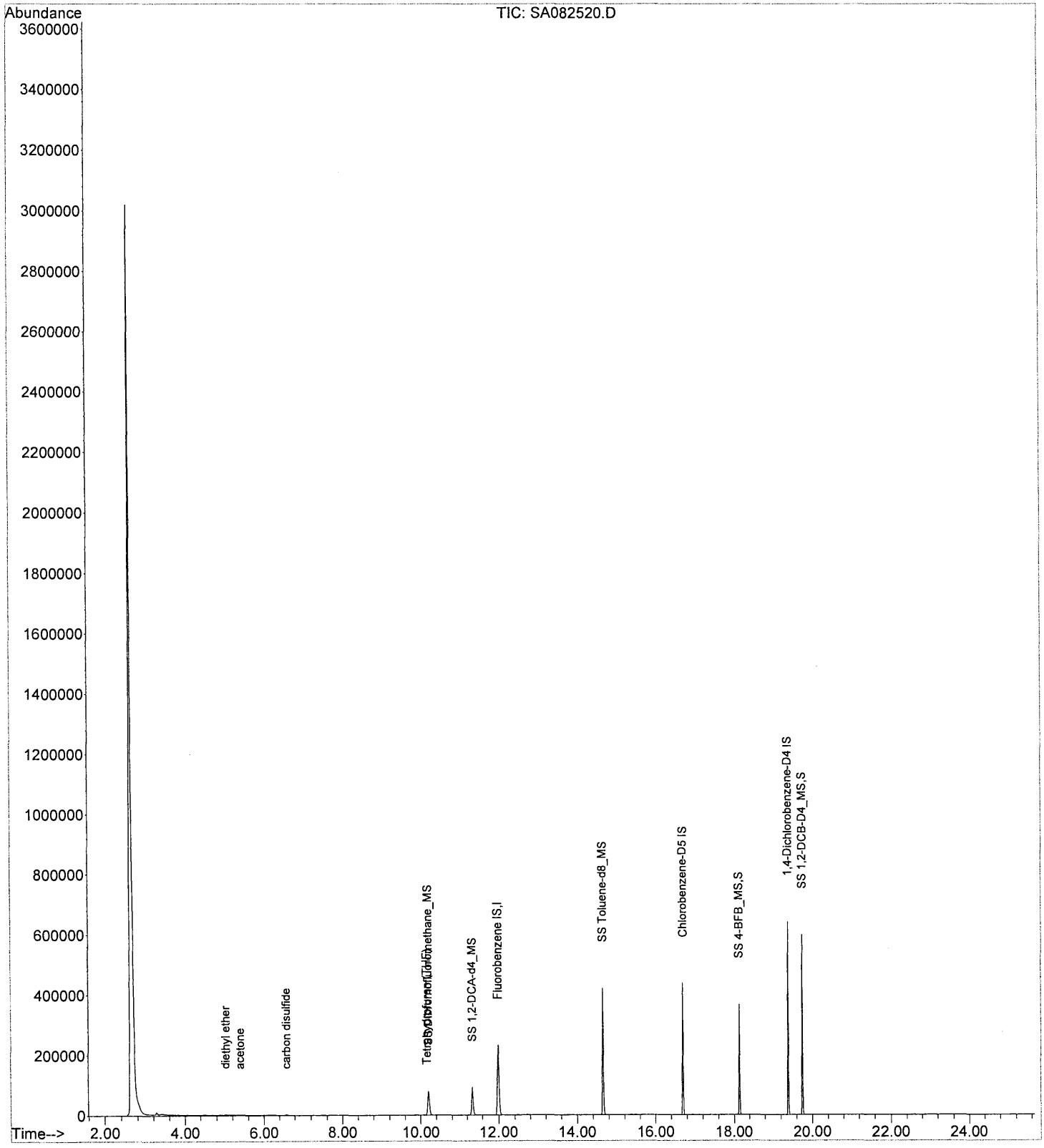
8/26/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2510\SA082520.D Vial: 20
Acq On : 25 Aug 2010 7:54 pm Operator: BAM
Sample : 92049.22 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 7:30 2010 Quant Results File: 5LID0712.RES

Method : C:\MSDCHEM\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2510\SA082509.D Vial: 9
Acq On : 25 Aug 2010 1:36 pm Operator: BAM
Sample : 92049.23 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 07:28:39 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.99	96	296464	10.000	ug/L	0.00
System Monitoring Compounds						
61) SS 4-BFB_MS	18.13	95	105754	8.93	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.29%			
78) SS 1,2-DCB-D4_MS	19.75	152	128598	10.23	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.25%			
Target Compounds						Qvalue
5) bromomethane	4.01	94	412	0.123	ug/L #	35
10) acetone	5.41	43	1088	0.494	ug/L #	74
14) carbon disulfide	6.59	76	2626	0.114	ug/L	99
29) SS Dibromofluoromethane_MS	10.20	111	78458	10.544	ug/L	98
33) SS 1,2-DCA-d4_MS	11.34	65	99657	10.640	ug/L	98
37) trichloroethene	12.73	95	979	0.113	ug/L	93
43) Chlorobenzene-D5 IS	16.69	117	235794	10.137	ug/L	97
44) SS Toluene-d8_MS	14.65	98	293929	10.059	ug/L	99
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	136089	9.782	ug/L	90

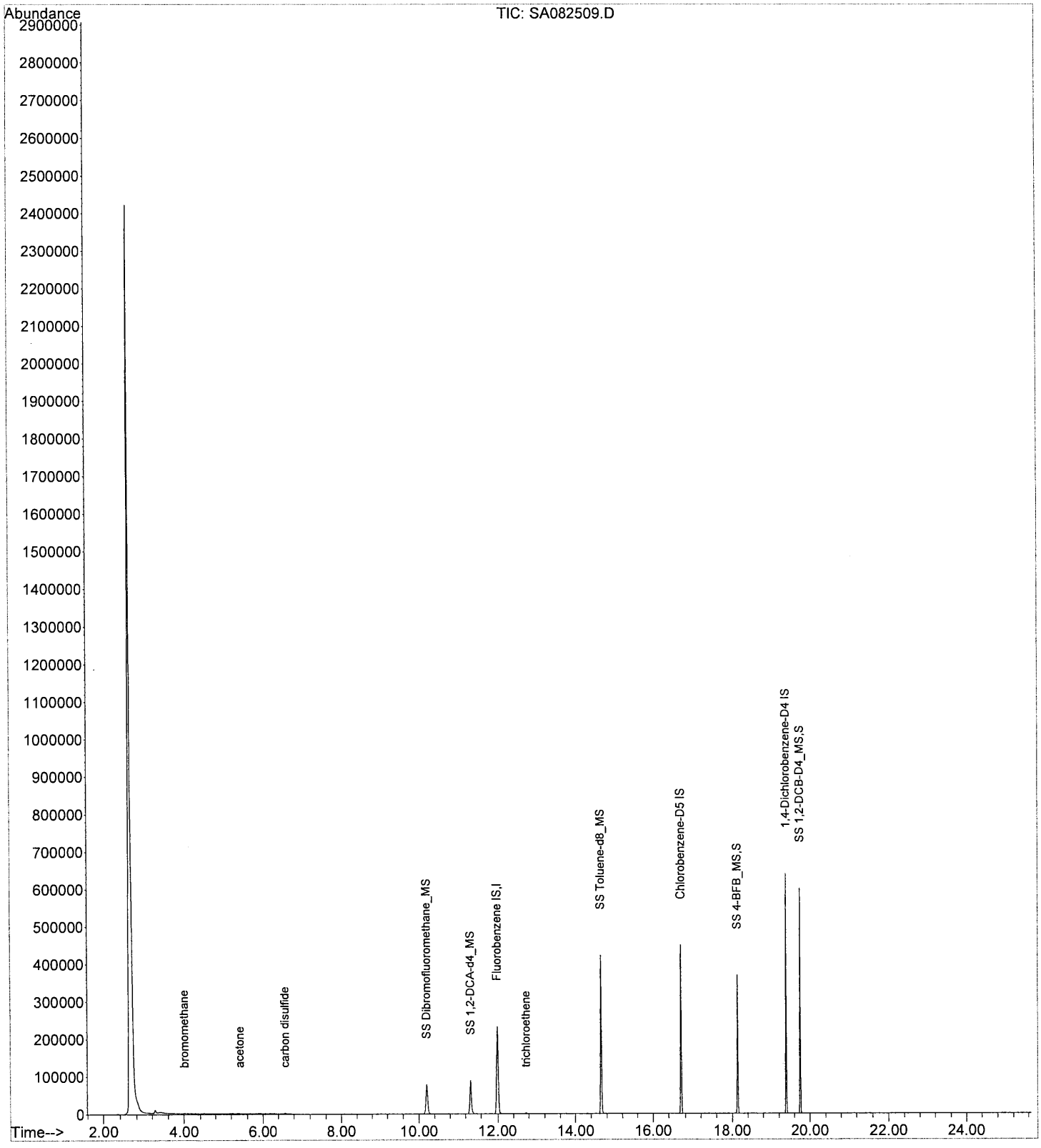
8/26/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2510\SA082509.D Vial: 9
Acq On : 25 Aug 2010 1:36 pm Operator: BAM
Sample : 92049.23 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 7:28 2010 Quant Results File: 5LID0712.RES

Method : C:\MSDCHEM\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2510\SA082510.D Vial: 10
Acq On : 25 Aug 2010 2:11 pm Operator: BAM
Sample : 92049.26 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 07:29:15 2010 Quant Results File: 5LID0712.RES

Quant Method : C:\MSDCHEM\1...\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.99	96	291510	10.000	ug/L	0.00
System Monitoring Compounds						
61) SS 4-BFB_MS	18.13	95	105446	9.05	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.54%			
78) SS 1,2-DCB-D4_MS	19.75	152	127193	10.29	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.85%			
Target Compounds						Qvalue
5) bromomethane	4.01	94	553	0.168	ug/L #	16
10) acetone	5.40	43	643	0.297	ug/L #	62
13) methylene chloride	6.56	84	969	0.121	ug/L	91
14) carbon disulfide	6.57	76	3291	0.146	ug/L	97
29) SS Dibromofluoromethane_MS	10.20	111	77664	10.615	ug/L	99
33) SS 1,2-DCA-d4_MS	11.34	65	98651	10.711	ug/L	98
37) trichloroethene	12.72	95	988	0.116	ug/L	93
43) Chlorobenzene-D5 IS	16.69	117	226407	9.899	ug/L	99
44) SS Toluene-d8_MS	14.65	98	291699	10.152	ug/L	99
62) 1,4-Dichlorobenzene-D4 IS	19.39	152	134991	9.868	ug/L	91

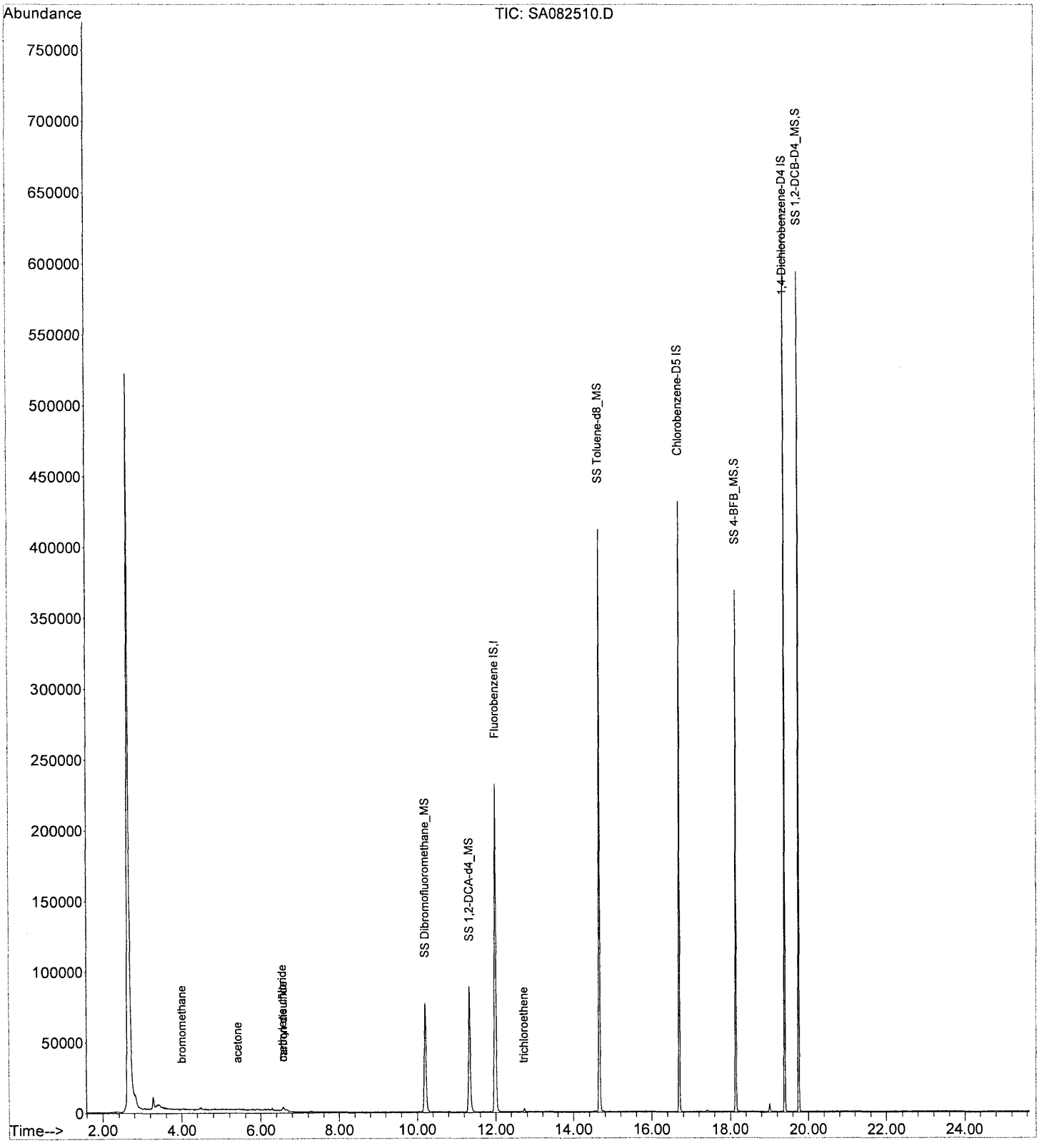
8/26/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG2510\SA082510.D Vial: 10
Acq On : 25 Aug 2010 2:11 pm Operator: BAM
Sample : 92049.26 Inst : VOAMS5
Misc : x1; 5mL; Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 26 7:29 2010 Quant Results File: 5LID0712.RES

Method : C:\MSDCHEM\1\METHODS\2010\5LID0712.M (RTE Integrator)
Title : VOAMS5 01/08/2010
Last Update : Tue Jul 13 09:14:06 2010
Response via : Initial Calibration



1,4-Dioxane
8260B SIM
Volatile Organic Analysis

Initial Calibration

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

IS/SS ID= V-~~36245~~ 3624
Standard ID= V-~~3625~~ ~~3548~~ 3625
LCS/LCSD and/or MS/MSD Standard ID= V-3549

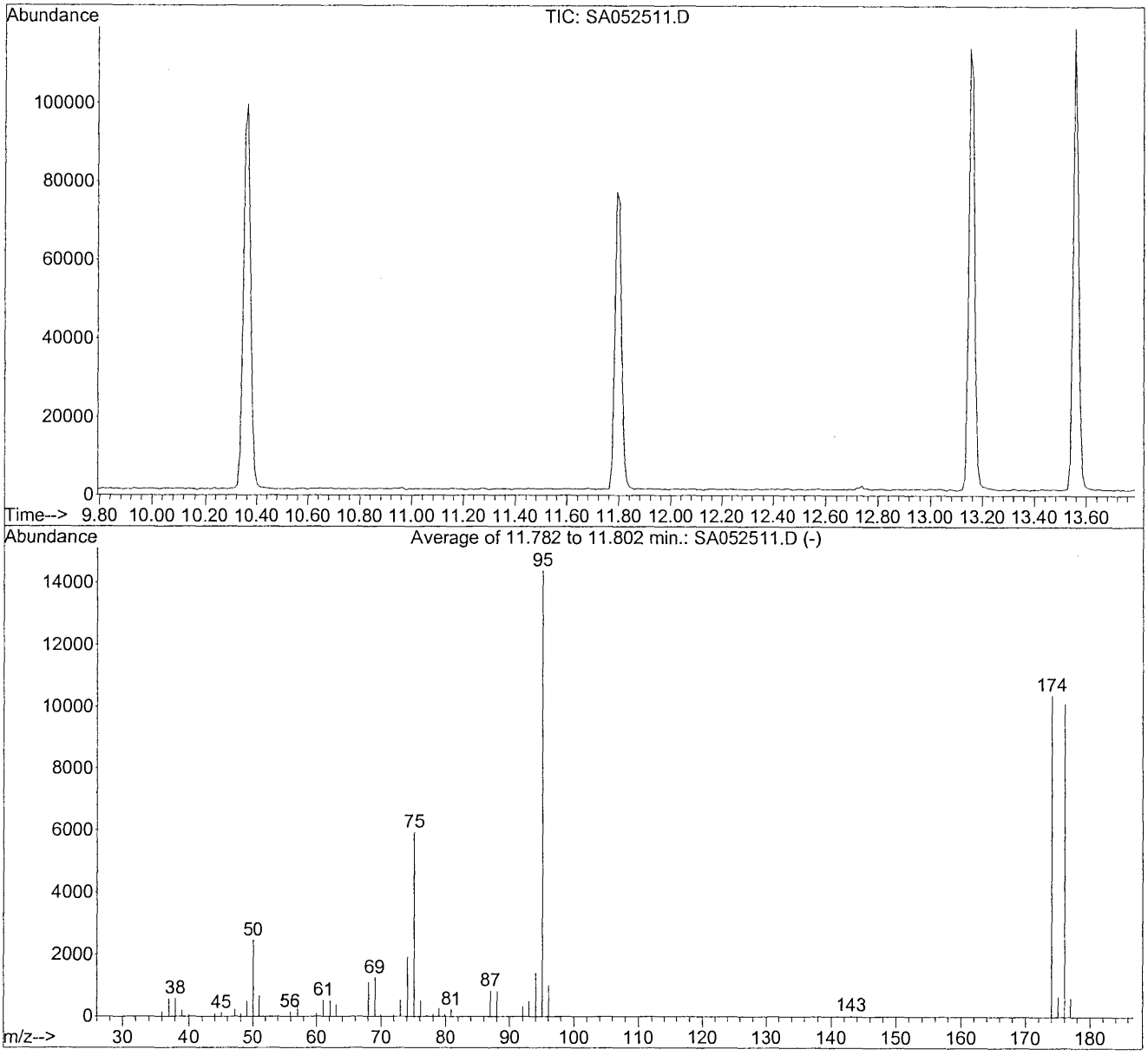
Analyst: VG

Date: 5/28/10

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA052801	Blank		✓		x1	VOC MSI			
2	2	BFB		✓		↓	VOC ↓			
3	3	STD5		✓		↓	VOC SIM	2SIM0529		
4	4	Blank		✓		↓	VOC ↓			
5	5	LCS		✓		↓	VOC ↓			
6	6	LCSD		✓		↓	VOC ↓			
~~7~~	~~7~~	~~STD0.5~~					VOC			
~~8~~	~~8~~	~~1~~					VOC			
		~~2~~					VOC			
		~~10~~				VG	VOC			
		~~20~~					VOC			
		~~50~~				5/28/10	VOC			
		~~Blank~~					VOC			
	7	89225-02		✓		x1	VOC			
	8	03		✓			VOC			
	9	12		✓		↓	VOC			
	10	Blank		✓		↓	VOC			
	11	BFB		✓		↓	VOC			
	12	STD0.5		✓		↓	VOC		New ICAL	
	13	1		✓		↓	VOC		2SIM0528	
	14	2		✓		↓	VOC			
	15	10		✓		↓	VOC			
	16	20		✓		↓	VOC		May have prepped	
	17	50		✓		↓	VOC		1 incorrectly (looks	
							VOC		most like a 0.5)	
							VOC		Dropped point	
							VOC		from curve	
							VOC		VG 5/26/10	
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			

...es removed from autosampler, order verified by VG 5/26/10

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052511.D Vial: 11
Acq On : 25 May 2010 6:10 pm Operator: VG
Sample : BFB Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09



Spectrum Information: Average of 11.782 to 11.802 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	2464	PASS
75	95	30	60	41.3	5943	PASS
95	95	100	100	100.0	14400	PASS
96	95	5	9	6.9	989	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.2	10393	PASS
175	174	5	9	6.2	648	PASS
176	174	95	101	97.5	10129	PASS
177	176	5	9	6.1	613	PASS

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration

Calibration Files
1 =SA052513.D 20 =SA052516.D 10 =SA052515.D
50 =SA052517.D 5 =SA052503.D 2 =SA052514.D

		Compound	1	20	10	50	5	2	Avg	%RSD
1)	I	Fluorobenzene IS	----------ISTD----------							
2)		1,4-dioxaneV		0.057	0.053	0.057	0.045	0.047	0.051#	11.17
3)	S	SS Toluene-d8_M	1.031	1.035	1.026	1.036	1.026	1.041	1.031	0.66
4)	S	SS 4-BFB_MS	0.315	0.321	0.317	0.318	0.310	0.321	0.317	1.23

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

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052512.D Vial: 12
Acq On : 25 May 2010 6:57 pm Operator: VG
Sample : STD0.5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:01:38 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

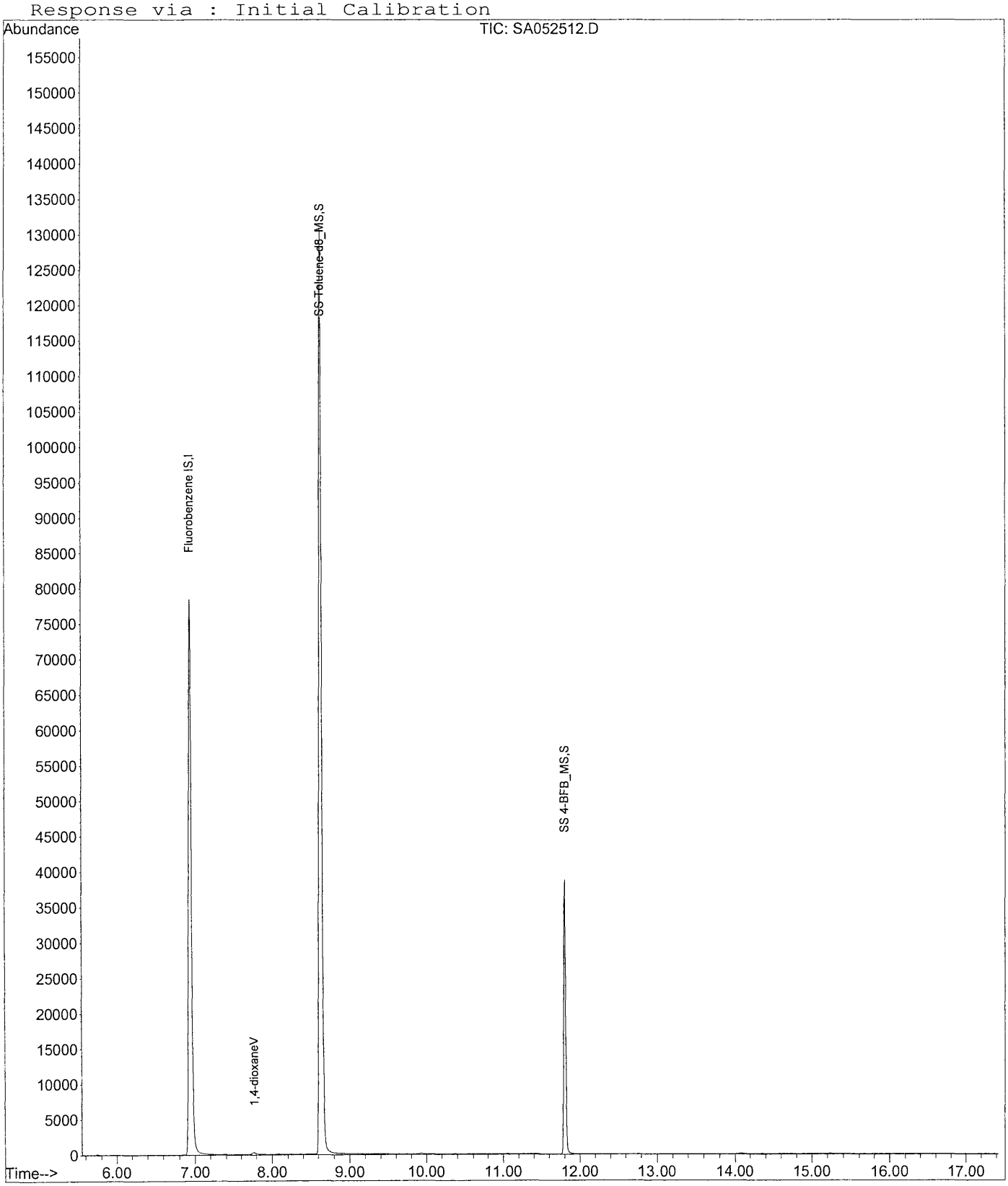
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	209782	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	214349	10.09	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.93%			
4) SS 4-BFB_MS	11.80	95	66019	10.30	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.00%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	477m	0.320	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052512.D Vial: 12
Acq On : 25 May 2010 6:57 pm Operator: VG
Sample : STD0.5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:15 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052514.D Vial: 14
Acq On : 25 May 2010 8:35 pm Operator: VG
Sample : STD2 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02:00 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

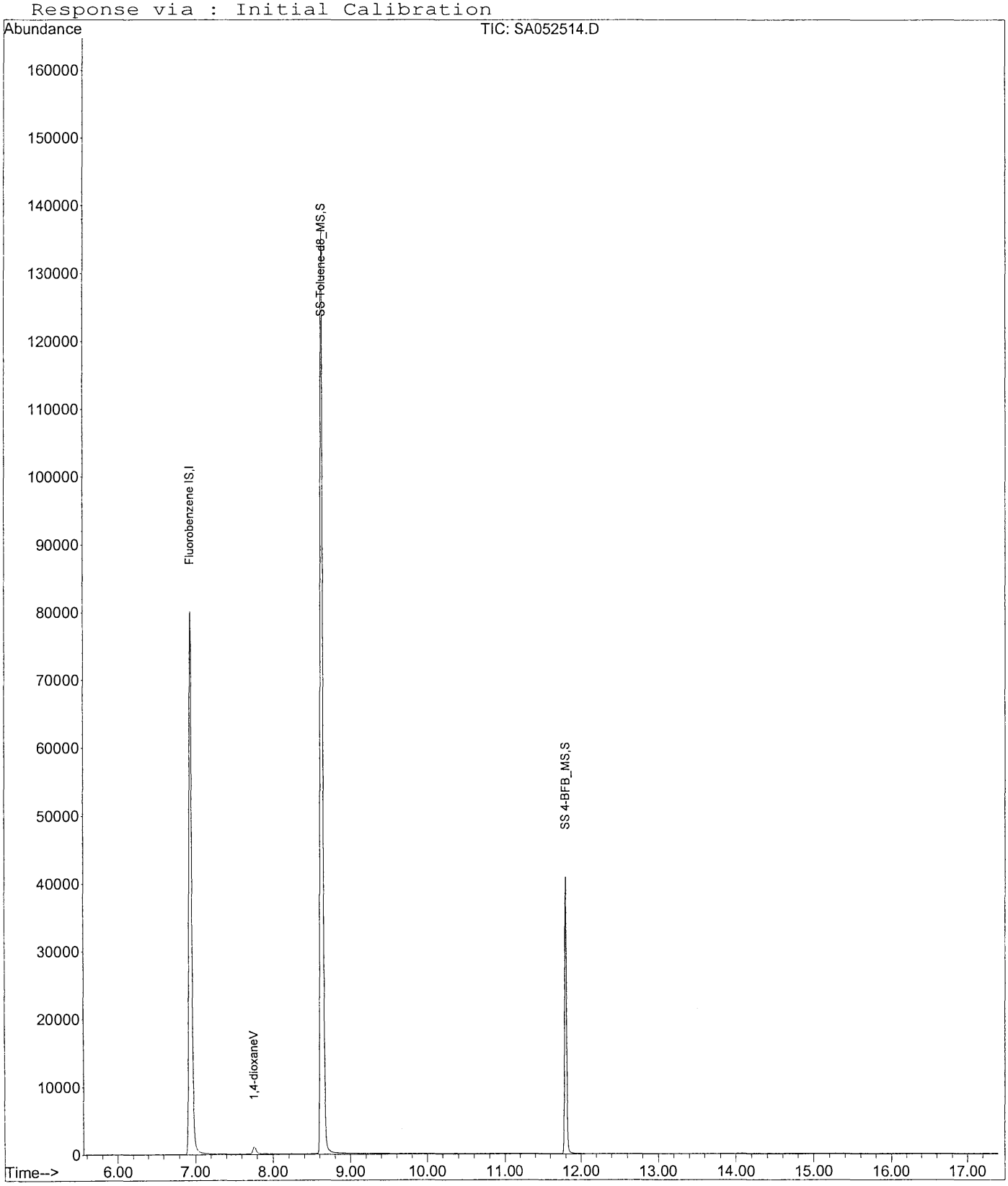
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	211291	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	219927	10.28	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.82%			
4) SS 4-BFB_MS	11.80	95	67843	10.51	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.09%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	2002	1.332	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052514.D Vial: 14
Acq On : 25 May 2010 8:35 pm Operator: VG
Sample : STD2 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:01 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052503.D Vial: 3
Acq On : 25 May 2010 11:48 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:18:36 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

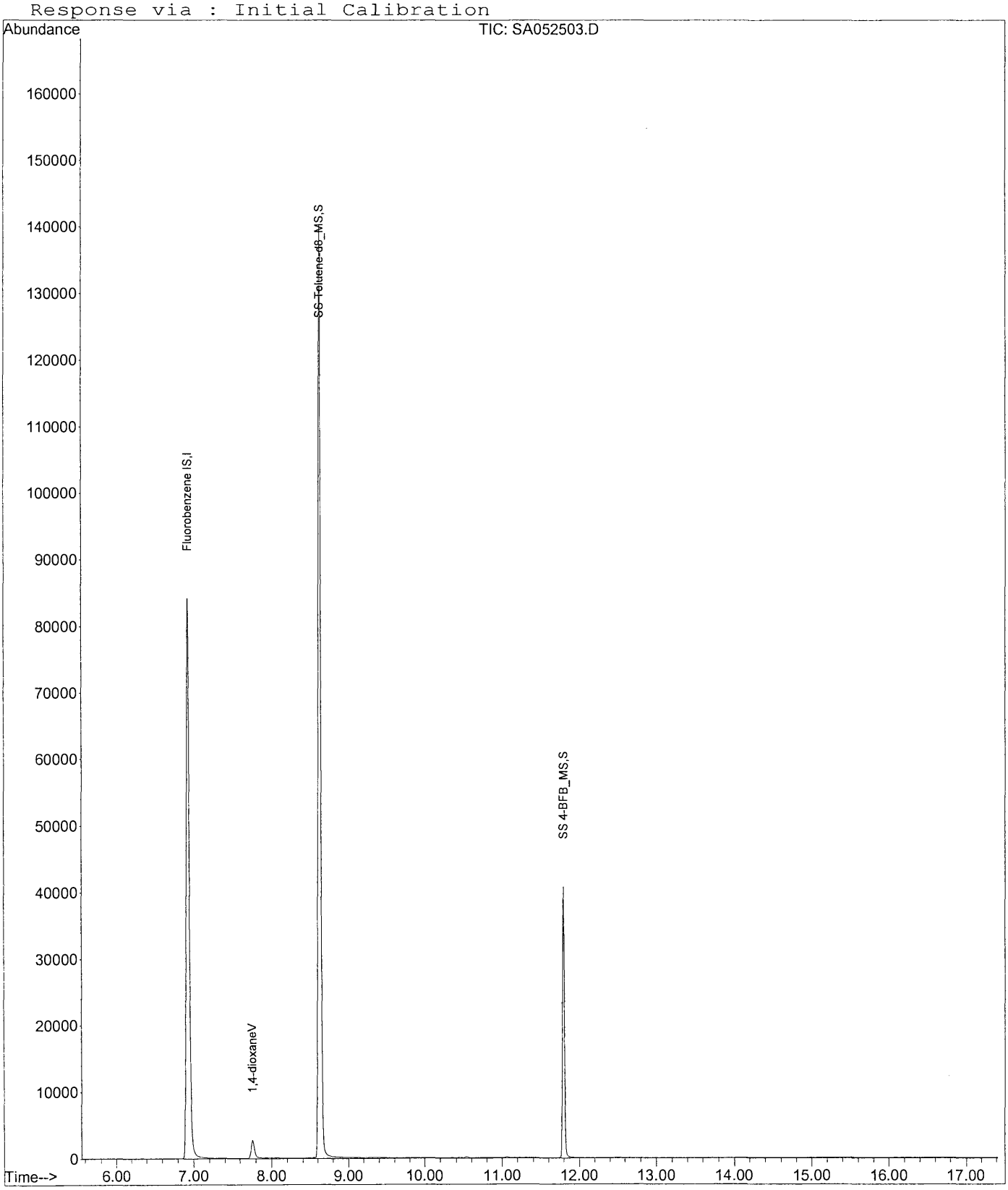
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	223824	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.62	98	229712	9.96	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.55%			
4) SS 4-BFB_MS	11.80	95	69309	9.78	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.84%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	4995	4.400	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052503.D Vial: 3
Acq On : 25 May 2010 11:48 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:18 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052515.D Vial: 15
Acq On : 25 May 2010 9:23 pm Operator: VG
Sample : STD10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02:09 2010 Quant Results File: 2SIM0525.RES

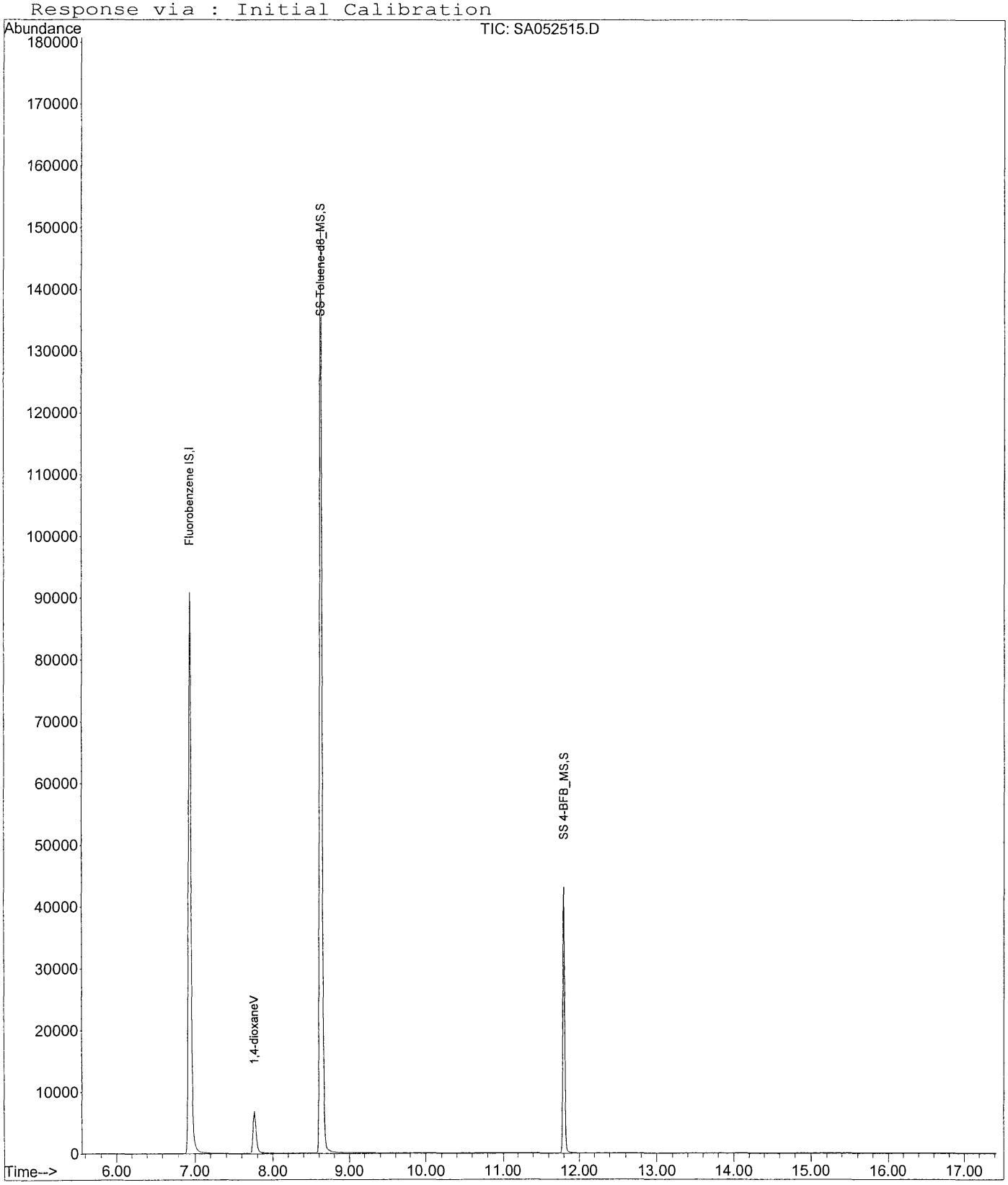
Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	228398	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	234233	10.13	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.30%			
4) SS 4-BFB_MS	11.80	95	72321	10.36	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.64%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	12040	7.408	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA052515.D 2SIM0525.M Tue Aug 31 16:10:22 2010 Page 1

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052515.D Vial: 15
Acq On : 25 May 2010 9:23 pm Operator: VG
Sample : STD10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052516.D Vial: 16
Acq On : 25 May 2010 10:13 pm Operator: VG
Sample : STD20 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02:18 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

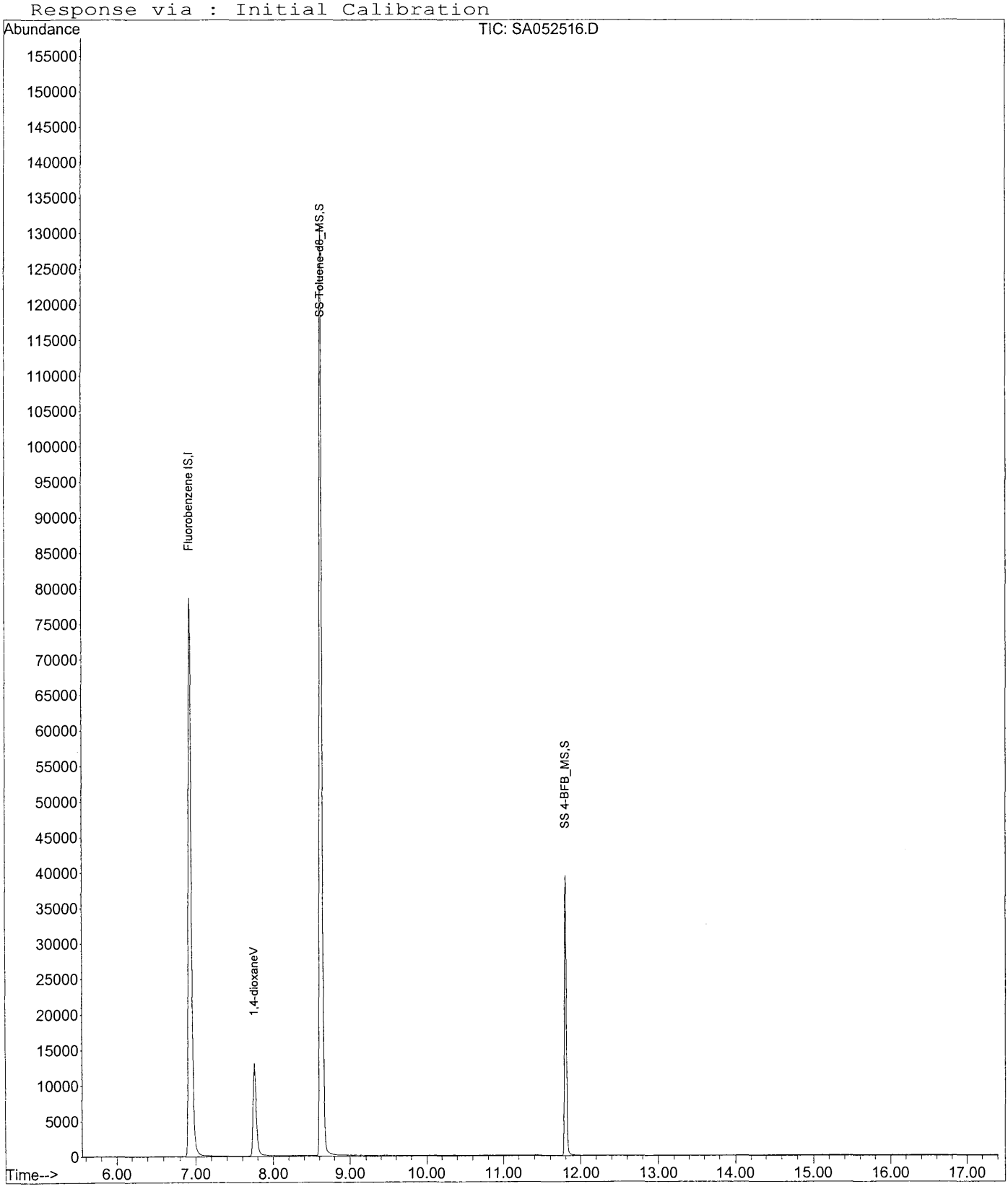
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	209599	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	216849	10.22	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.20%			
4) SS 4-BFB_MS	11.80	95	67211	10.50	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.95%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	24094	16.155	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052516.D Vial: 16
Acq On : 25 May 2010 10:13 pm Operator: VG
Sample : STD20 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052517.D Vial: 17
Acq On : 25 May 2010 11:03 pm Operator: VG
Sample : STD50 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02:27 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

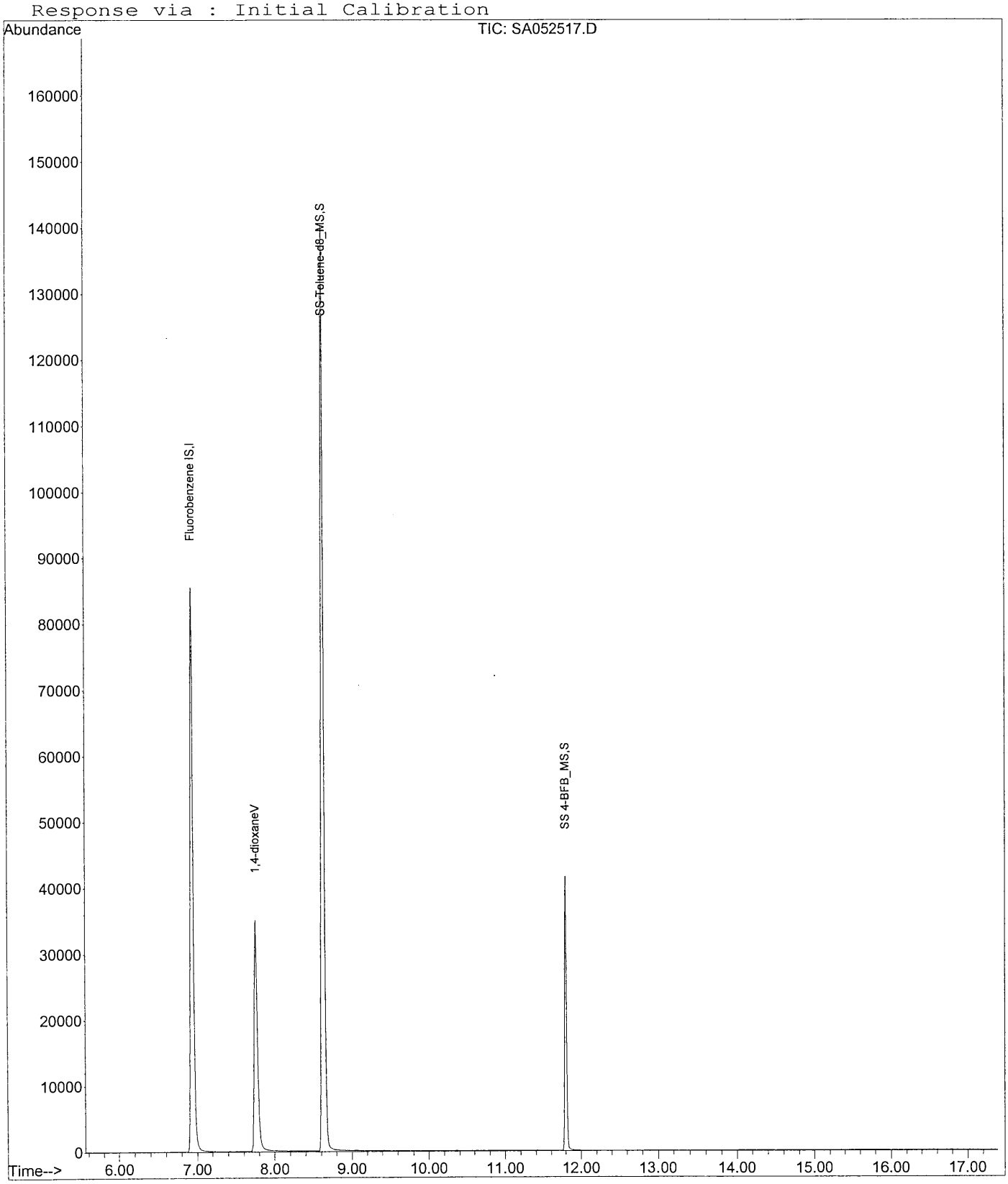
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	217415	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	225350	10.24	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.39%			
4) SS 4-BFB_MS	11.80	95	69032	10.39	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.92%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	61567	39.796	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052517.D Vial: 17
Acq On : 25 May 2010 11:03 pm Operator: VG
Sample : STD50 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



1,4-Dioxane
8260B SIM
Volatile Organic Analysis

Batch QC & Sample Data

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

nQCBatch 73401560601

aQCPointers
BlnkA082410V82601
LCSaA082410V82601
LCSDA082410V82601

aQCBatchMembers

2SIM0525
ICAL 0.5-50ppb

92049.01
92049.02
92049.03
92049.07P
92049.09
92049.15
73401560583.08P
73401560595.05
73401560595.06

CV DEV
none

IS area ok
12 hr tune ok
BLK ok
QC in Control
(5)RPD by %Rec

IS/SS ID= V- 3664
Standard ID= V- 3657
LCS/LCSD and/or MS/MSD Standard ID= V- 3598

Analyst: VG

Date: 8/24/10

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA082401	Blank		✓		×1	VOC MS1			
2	2	BFB		✓			VOC 4			
3	3	STD		✓			VOC SIM	2SIM0525		
4	4	Blank		✓			VOC			
5	5	LCS		✓			VOC			
6	6	LCSD		✓			VOC			
7	7	92049.01		✓			VOC			
8	8	02		✓			VOC			
9	9	03		✓			VOC			
10	10	04		✓			VOC			
11	11	.07 ~~06~~		✓			VOC			
12	12	08		✓			VOC			
13	13	09		✓			VOC			
14	14	15		✓			VOC			
15	15	18		✓			VOC			
16	16	21		✓			VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
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Samples removed from autosampler ✓, order ✓ verified by Bcm 8/30/10 1-16

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG2410\SA082402.D
Tune Time : 24 Aug 2010 10:42 am

Daily Calibration File : V:\1\DATA\AUG2410\SA082403.D

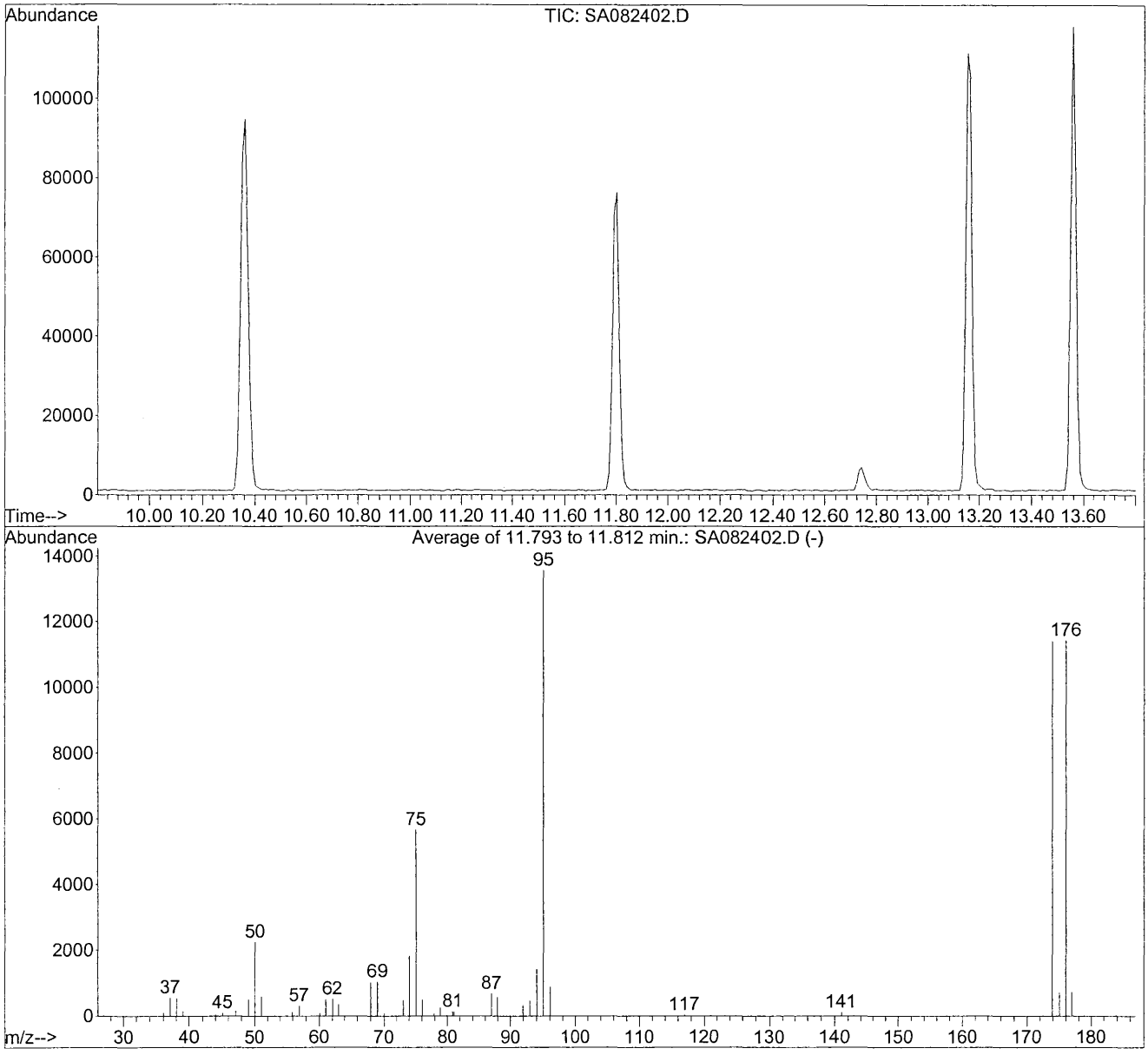
				184359
File	Sample	Surrogate Recovery %		Internal Standard Responses
SA082403.D	STD5	101	103	184359
SA082404.D	BLANK	102	104	175528
SA082405.D	LCS5	104	105	166418
SA082406.D	LCSD5	102	105	165161
SA082407.D	92049.01	102	103	176296
SA082408.D	92049.02	102	106	188288
SA082409.D	92049.03	102	104	187149
SA082410.D	92049.04	103	104	187297
SA082411.D	92049.06 07	103	105	179232
SA082412.D	92049.08	102	105	167996
SA082413.D	92049.09	102	105	158645
SA082414.D	92049.15	103	105	159940
SA082415.D	92049.18	104	106	155675
SA082416.D	92049.21	102	104	154251
SA082417.D	STD0.25	102	105	144453

t - fails 12hr time check * - fails criteria

Created: Wed Aug 25 08:30:27 2010 VOAMS2

Data File : V:\1\DATA\AUG2410\SA082402.D
Acq On : 24 Aug 2010 10:42 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09

Vial: 2
Operator:
Inst : VOAMS2
Multiplr: 1.00



Spectrum Information: Average of 11.793 to 11.812 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	2261	PASS
75	95	30	60	41.8	5674	PASS
95	95	100	100	100.0	13567	PASS
96	95	5	9	6.6	889	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.1	11407	PASS
175	174	5	9	6.3	717	PASS
176	174	95	101	100.2	11430	PASS
177	176	5	9	6.5	741	PASS

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG2410\SA082403.D
Acq On : 24 Aug 2010 11:29 am
Sample : STD5
Misc : X1;5mL
MS Integration Params: INTP23.P

Vial: 2
Operator:
Inst : VOAMS2
Multiplr: 1.00

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
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	82	0.00
2		1,4-dioxaneV	5.000	4.053	18.9	76	0.00
3	S	SS Toluene-d8_MS	10.000	10.136	-1.4	84	0.00
4	S	SS 4-BFB_MS	10.000	10.267	-2.7	86	0.00

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2410\SA082403.D Vial: 2
Acq On : 24 Aug 2010 11:29 am Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 11:55:48 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

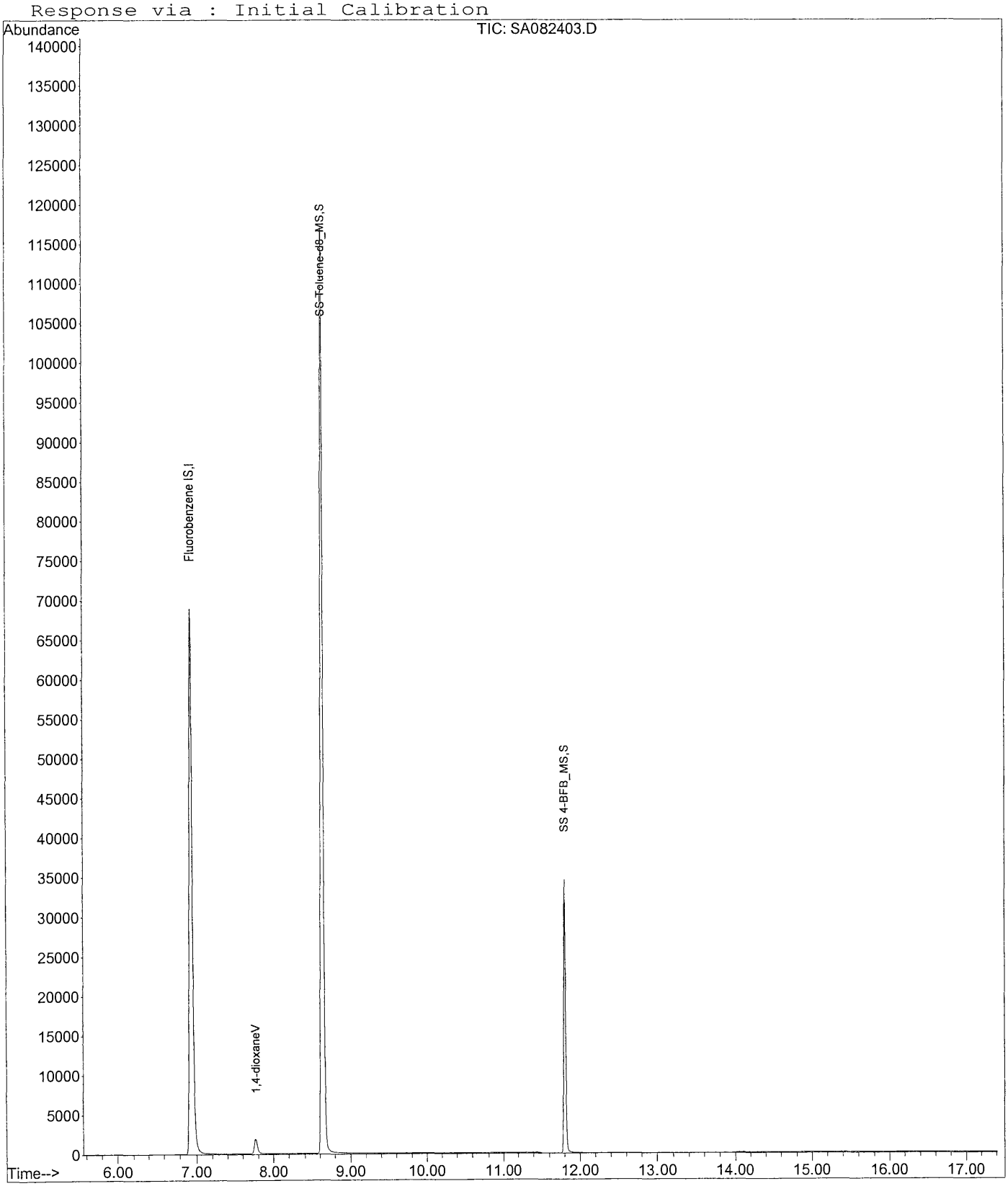
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	184359	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	192655	10.14	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.36%			
4) SS 4-BFB_MS	11.81	95	59909	10.27	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.67%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3790m	4.053	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2410\SA082403.D Vial: 2
Acq On : 24 Aug 2010 11:29 am Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 11:56 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2410\SA082404.D Vial: 3
Acq On : 24 Aug 2010 12:16 pm Operator:
Sample : BLANK Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 13:06:39 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

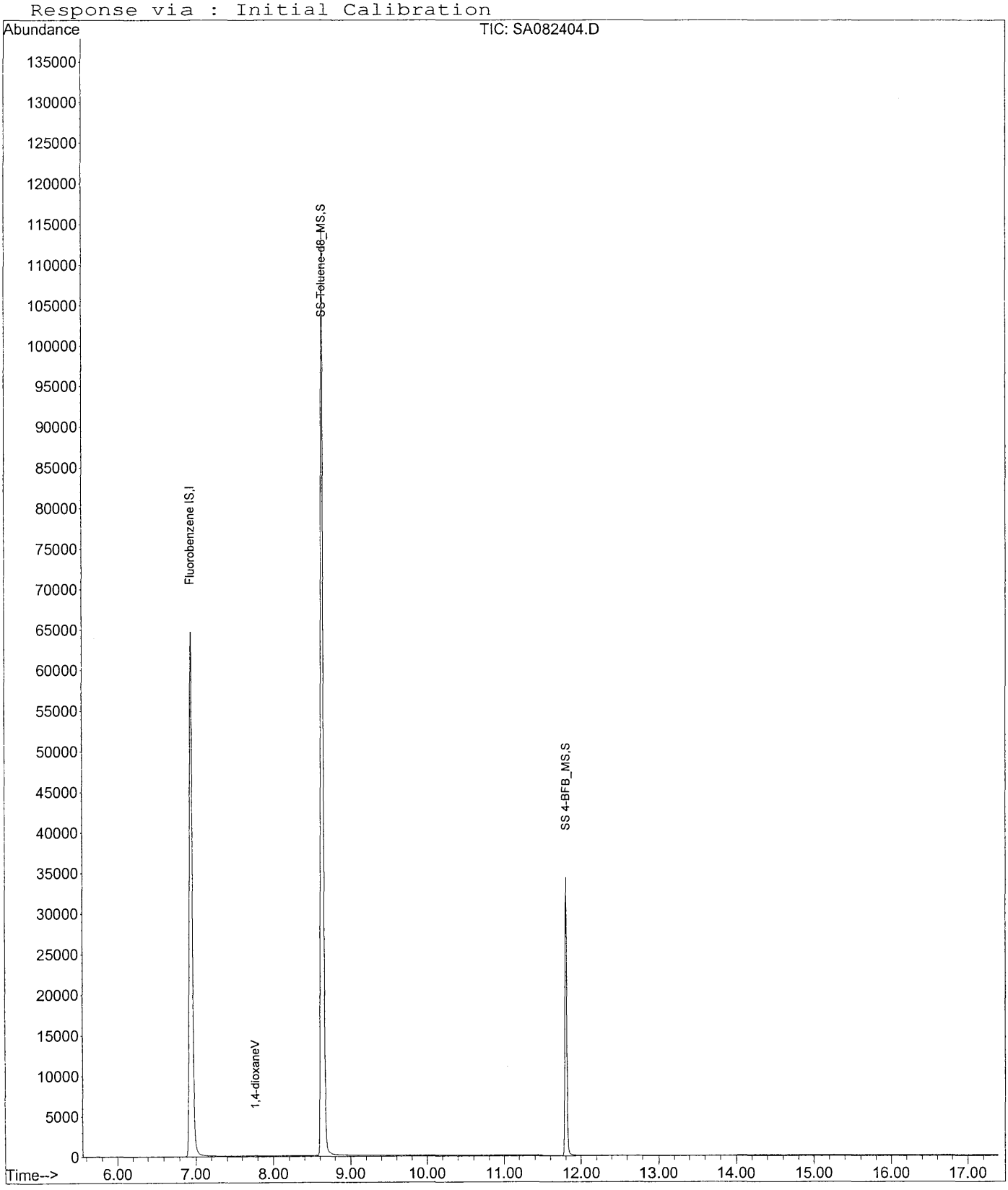
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	175528	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	185469	10.25	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.49%			
4) SS 4-BFB_MS	11.80	95	57972	10.43	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.35%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	72	0.081	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2410\SA082404.D Vial: 3
Acq On : 24 Aug 2010 12:16 pm Operator:
Sample : BLANK Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 13:06 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2410\SA082405.D Vial: 4
Acq On : 24 Aug 2010 1:04 pm Operator:
Sample : LCS5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 13:55:11 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

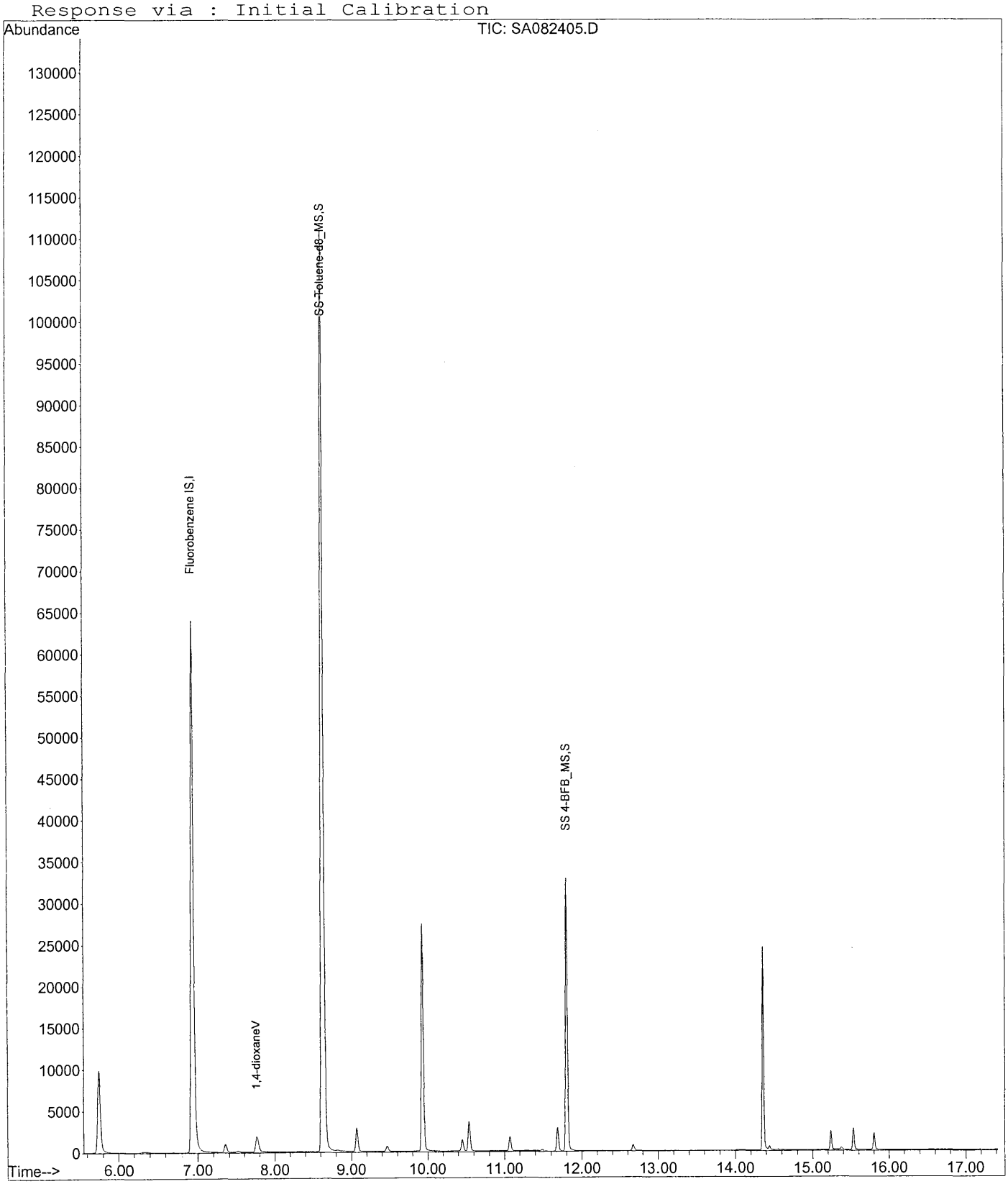
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	166418	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	177798	10.36	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.63%			
4) SS 4-BFB_MS	11.80	95	55329	10.50	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.04%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	3421m	4.053	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2410\SA082405.D Vial: 4
Acq On : 24 Aug 2010 1:04 pm Operator:
Sample : LCS5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 13:55 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2410\SA082406.D Vial: 5
Acq On : 24 Aug 2010 1:51 pm Operator:
Sample : LCSD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 14:11:57 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

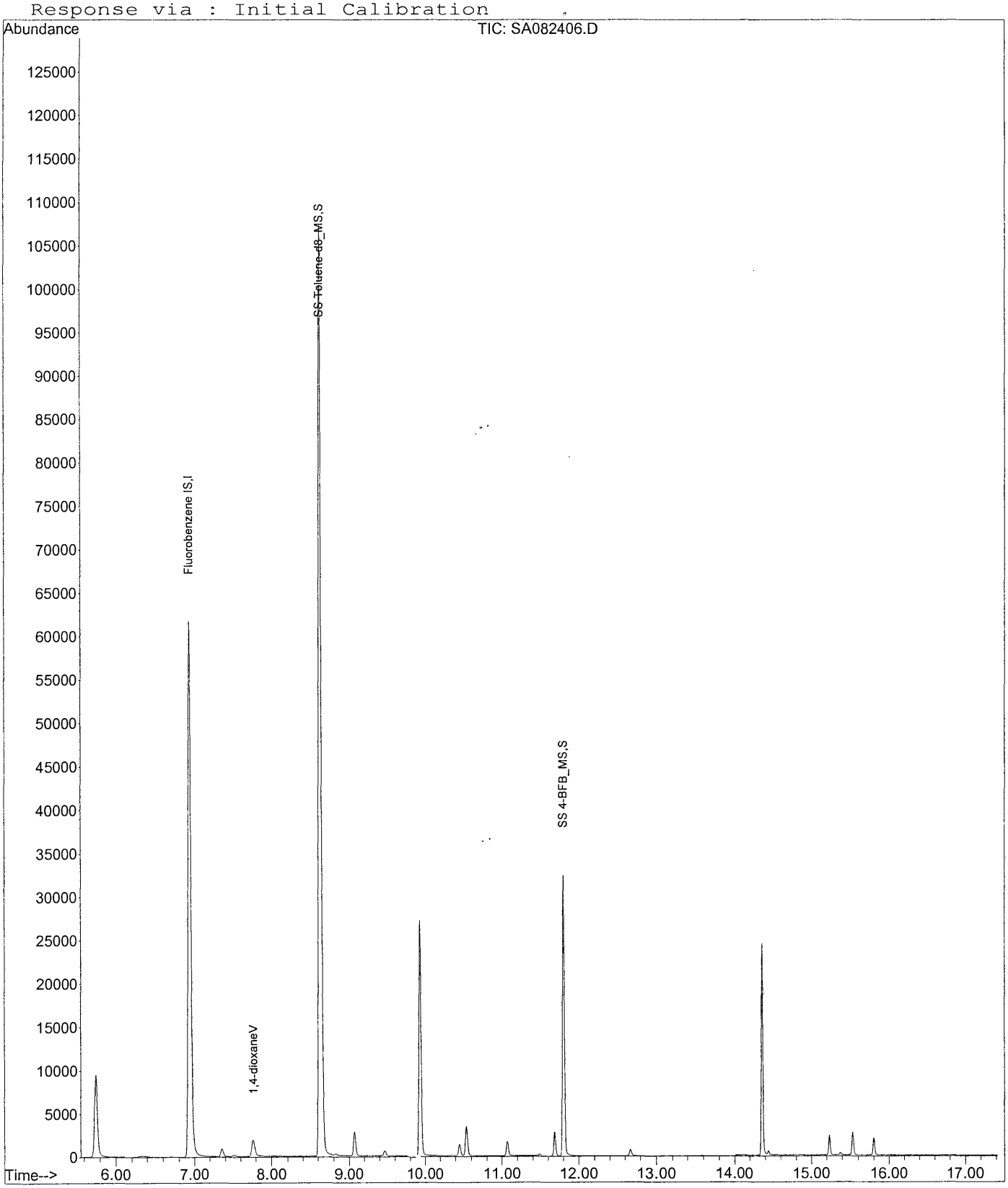
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	165161	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	173556	10.19	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.93%			
4) SS 4-BFB_MS	11.80	95	54812	10.49	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.85%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3545m	4.232	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2410\SA082406.D Vial: 5
Acq On : 24 Aug 2010 1:51 pm Operator:
Sample : LCSD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 24 14:12 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082407.D Vial: 6
Acq On : 24 Aug 2010 2:39 pm Operator:
Sample : 92049.01 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:12:46 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	176296	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	185801	10.22	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.23%			
4) SS 4-BFB_MS	11.80	95	57663	10.33	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.34%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	5314	5.943	ug/L	94

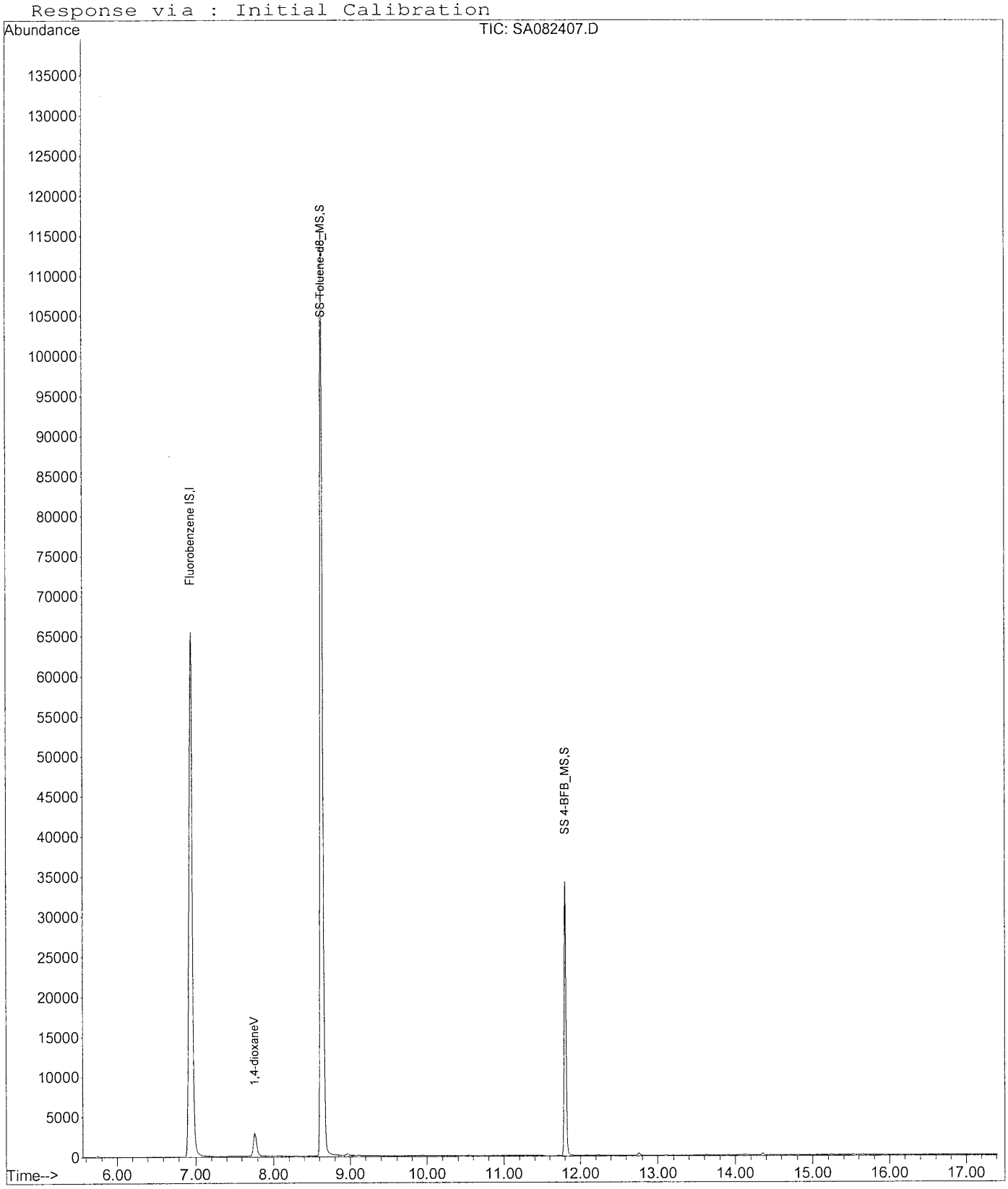
8/25/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082407.D 2SIM0525.M Wed Aug 25 08:12:47 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082407.D Vial: 6
Acq On : 24 Aug 2010 2:39 pm Operator:
Sample : 92049.01 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:12 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082408.D Vial: 7
Acq On : 24 Aug 2010 3:26 pm Operator:
Sample : 92049.02 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:12:49 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	188288	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	197106	10.15	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.54%			
4) SS 4-BFB_MS	11.81	95	62961	10.56	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.65%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	15359	16.083	ug/L	94

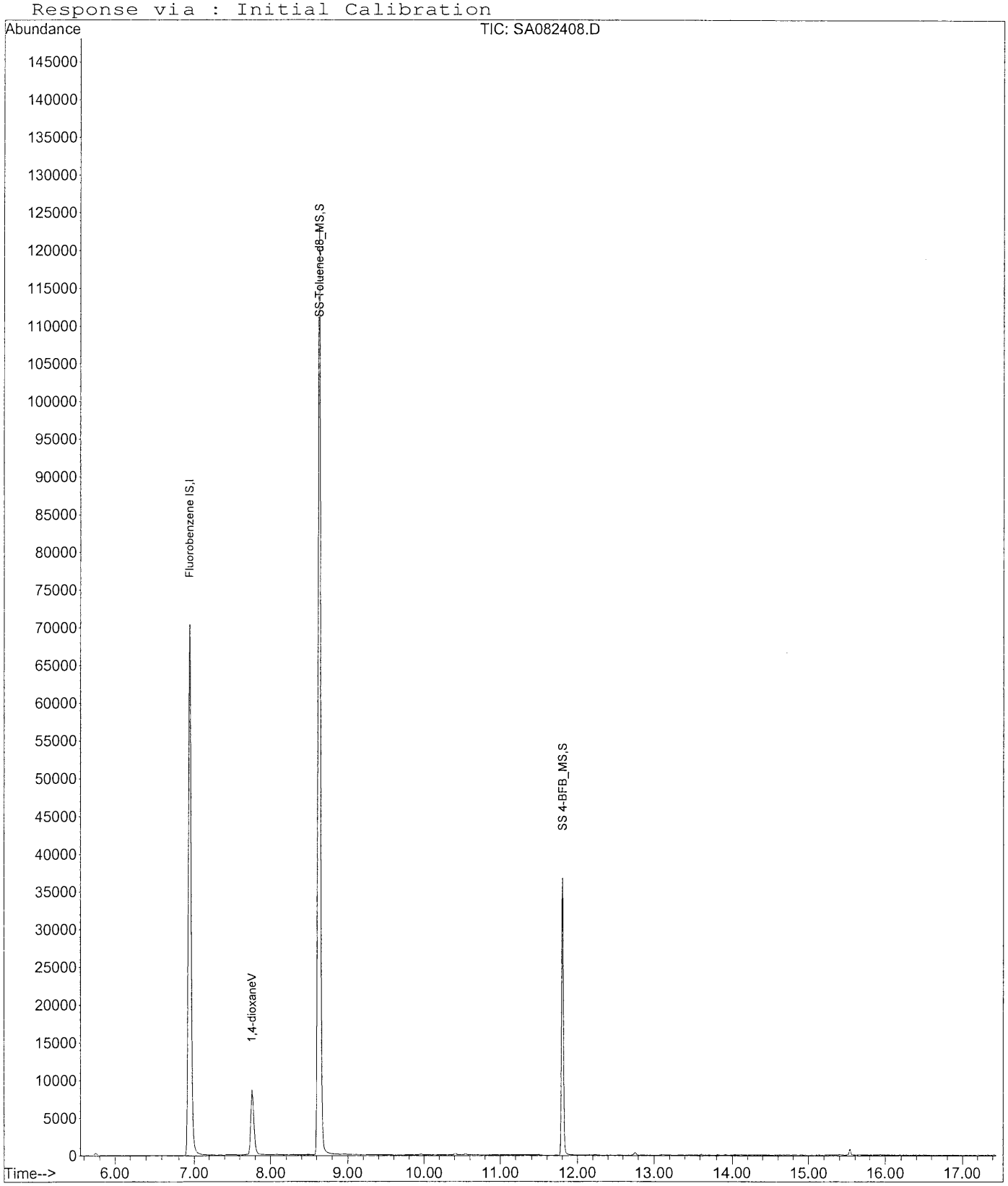
8/25/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082408.D 2SIM0525.M Wed Aug 25 08:12:49 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082408.D Vial: 7
Acq On : 24 Aug 2010 3:26 pm Operator:
Sample : 92049.02 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:12 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082409.D Vial: 8
Acq On : 24 Aug 2010 4:13 pm Operator:
Sample : 92049.03 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:12:51 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	187149	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	196273	10.17	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.73%			
4) SS 4-BFB_MS	11.80	95	61882	10.45	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.47%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	11670	12.295	ug/L	95

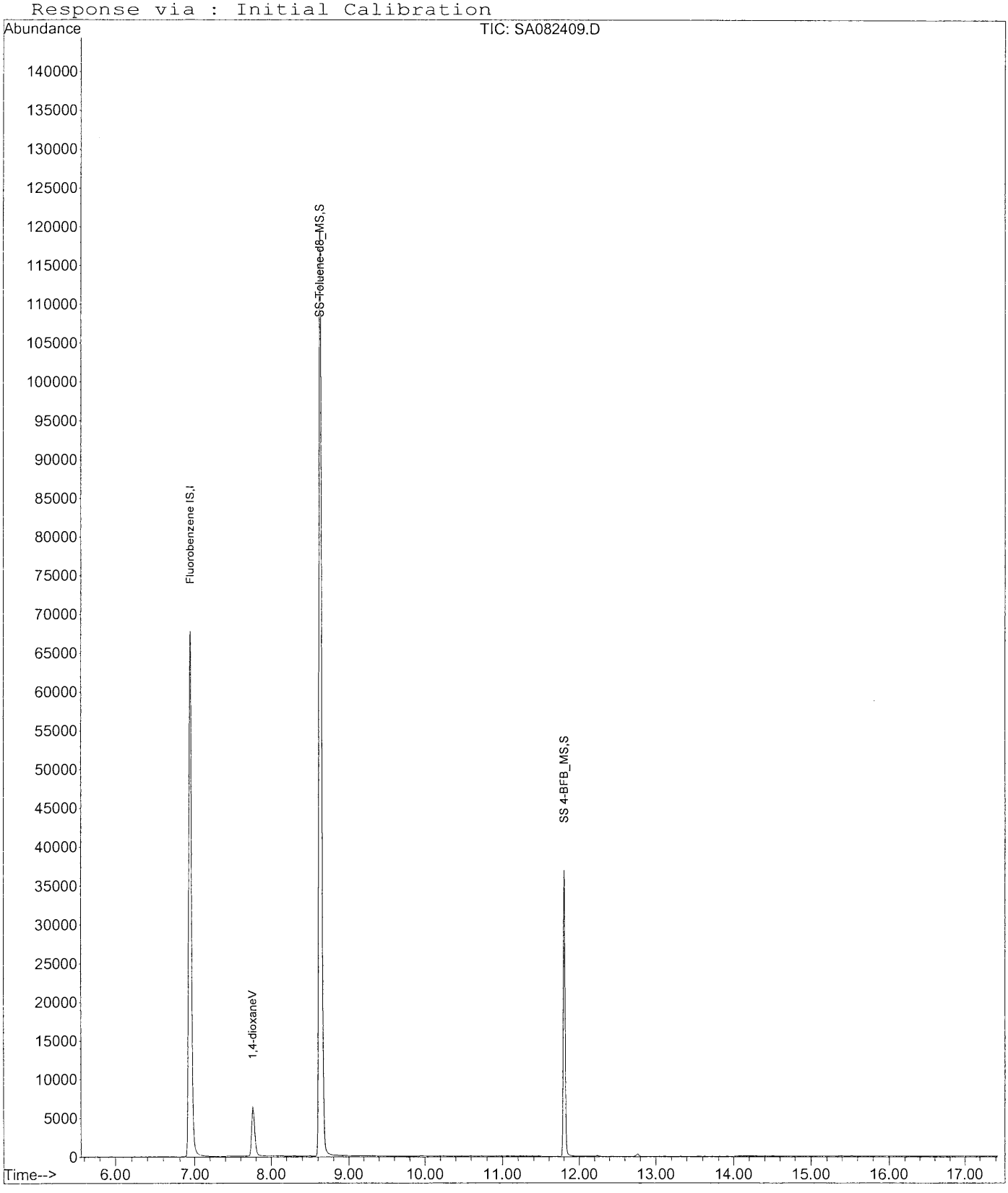
8/25/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082409.D Vial: 8
Acq On : 24 Aug 2010 4:13 pm Operator:
Sample : 92049.03 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:12 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082411.D Vial: 10
Acq On : 24 Aug 2010 5:48 pm Operator:
Sample : 92049.06 0.1 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:12:55 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	179232	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	190770	10.32	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.24%			
4) SS 4-BFB_MS	11.80	95	59830	10.55	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.47%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	40744	44.821	ug/L	98

Reint. C.O.?

OK

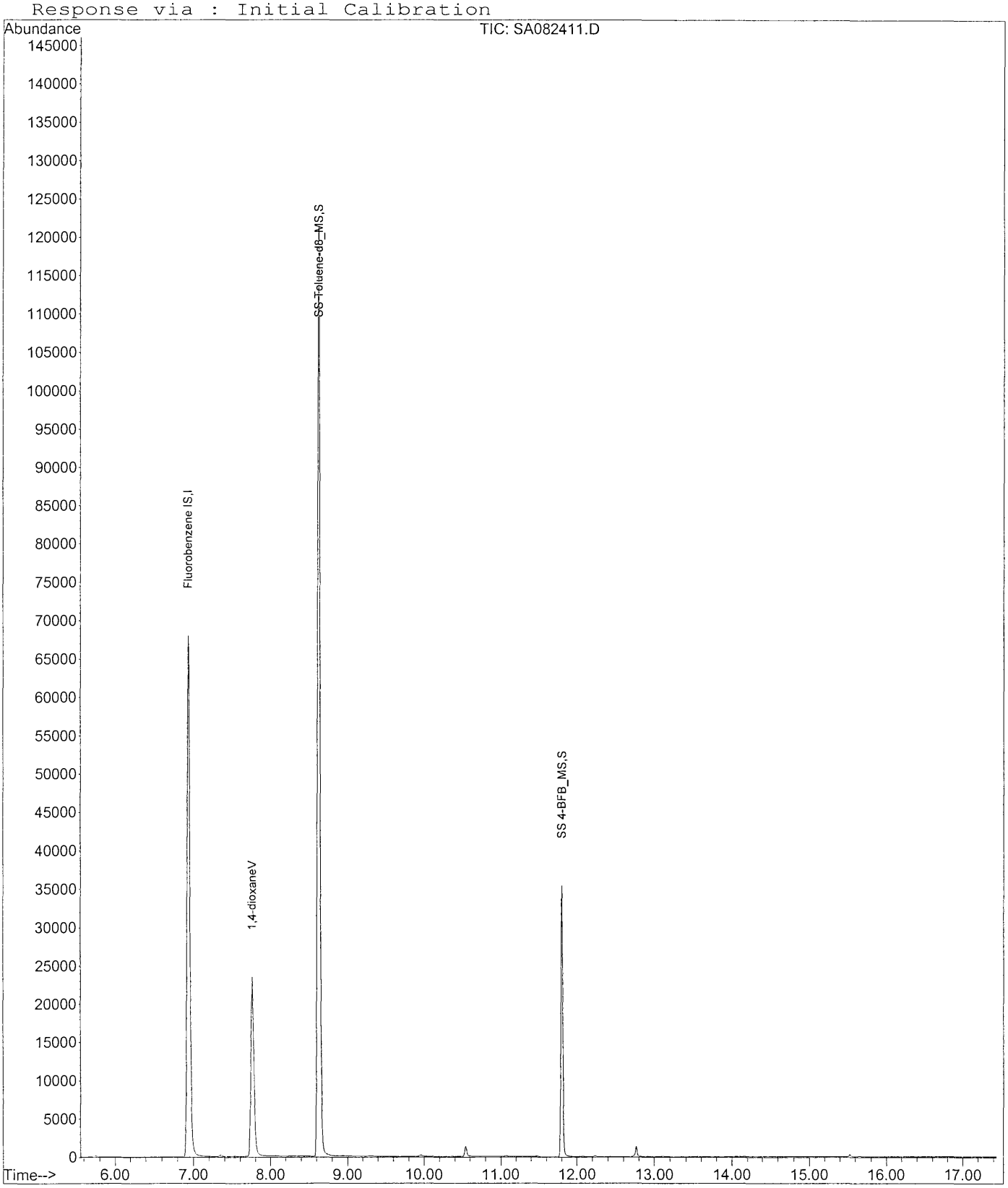
8/30/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082411.D 2SIM0525.M Wed Aug 25 08:12:55 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082411.D Vial: 10
Acq On : 24 Aug 2010 5:48 pm Operator:
Sample : 92049.06 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:12 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082413.D Vial: 12
Acq On : 24 Aug 2010 7:26 pm Operator:
Sample : 92049.09 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:12:59 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	158645	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	167465	10.24	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.39%			
4) SS 4-BFB_MS	11.80	95	52693	10.49	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.94%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	99	0.123	ug/L	83

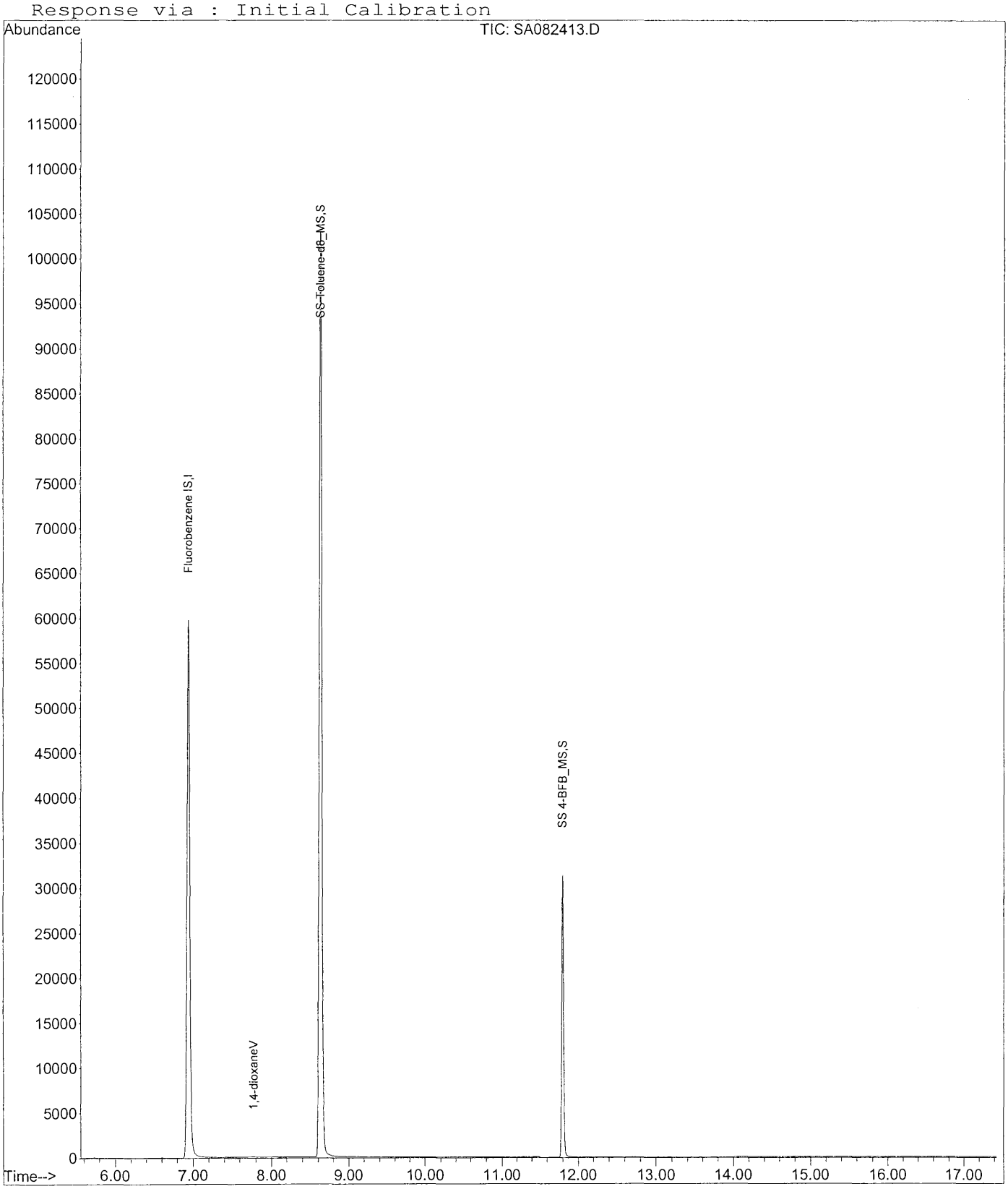
8/25/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082413.D 2SIM0525.M Wed Aug 25 08:12:59 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082413.D Vial: 12
Acq On : 24 Aug 2010 7:26 pm Operator:
Sample : 92049.09 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:12 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082414.D Vial: 13
Acq On : 24 Aug 2010 8:15 pm Operator:
Sample : 92049.15 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:13:01 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	159940	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	170630	10.35	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.48%			
4) SS 4-BFB_MS	11.80	95	52930	10.46	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.56%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	504	0.621	ug/L	99

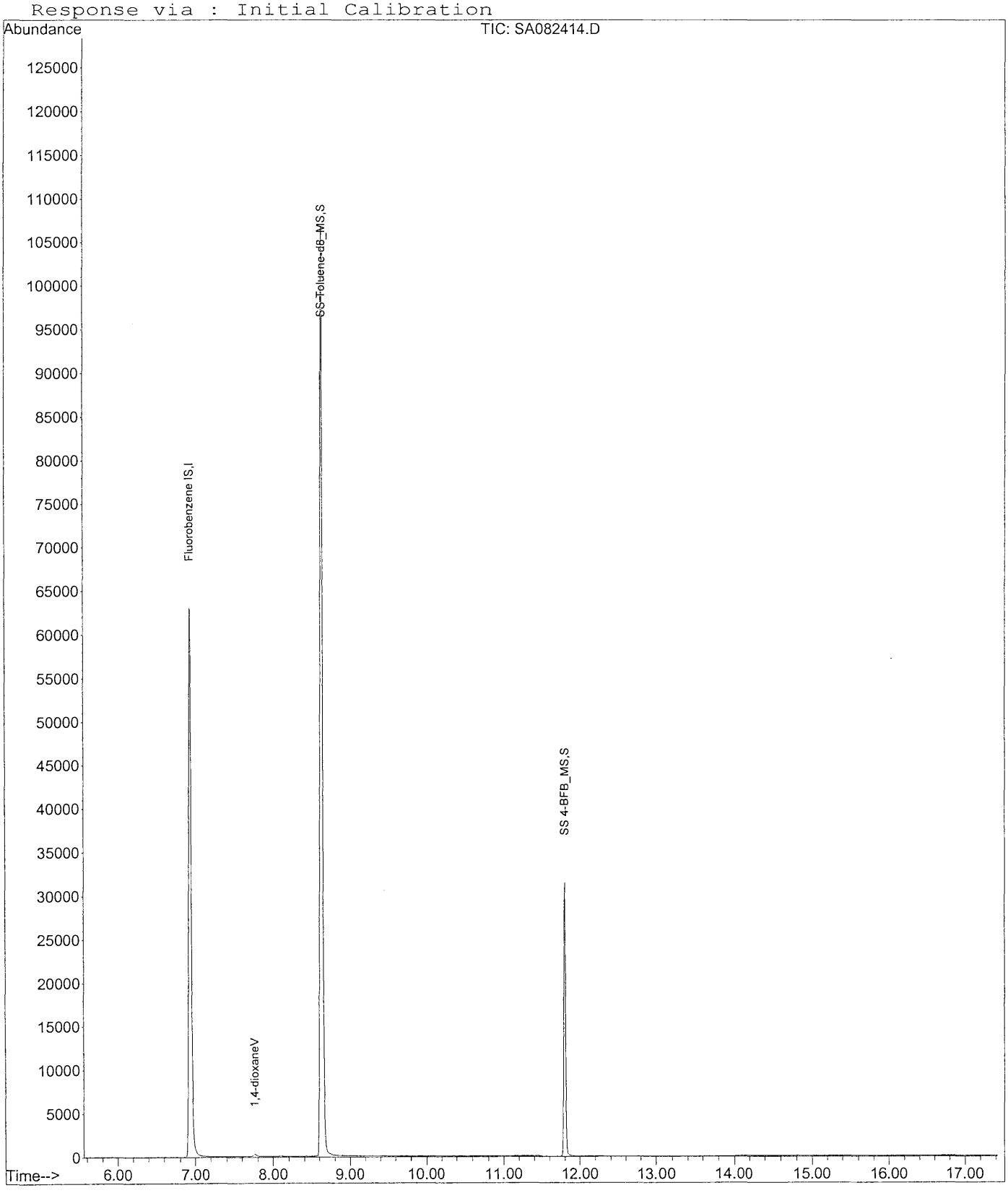
8/25/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082414.D Vial: 13
Acq On : 24 Aug 2010 8:15 pm Operator:
Sample : 92049.15 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:12 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



nQCBatch 73401561267

aQCPointers
BlnkA082510V82601
LCSaA082510V82601
LCSDA082510V82601

aQCBatchMembers
92049.24
92049.25
92049.27
92079.09
73401561241.08P
73401561253.05
73401561253.06

2SIM0525
ICAL 0.5-50ppb

CV DEV
none

IS area ok
12 hr tune ok
BLK ok
QC in Control
(5)RPD by %Rec

IS/SS ID= V- 3604
Standard ID= V- 3857
Analyst: VG
LCS/LCSD and/or MS/MSD Standard ID= V- 3598

Date: 8/25/10

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA08301	Blank		✓		x1	VOCNSI			
2	SA08302	BFB		✓			VOC ↓			
3	3	STDS		✓			VOCSIM	2SIM0525		
4	4	Blank		✓			VOC			
5	5	LCS		✓			VOC			
6	6	LCSD		✓			VOC			
7	7	92049.17		✓			VOC			
8	8	17MS		✓			VOC			
9	9	17MSD		✓			VOC			
10	10	24		✓			VOC			
11	11	25		✓			VOC			
12	12	27		✓			VOC			
13	13	92079.01		✓			VOC			
14	14	02		✓			VOC			
15	15	03		✓			VOC			
16	16	09		✓			VOC ↓			
17	17	STD0.25		✓			VOC			
							VOC			
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							VOC			
							VOC			
							VOC			
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							VOC			

Samples removed from autosampler, order verified by Blue 8/30/10 1-17

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG2510\SA082502.D
Tune Time : 25 Aug 2010 8:51 am

Daily Calibration File : V:\1\DATA\AUG2510\SA082503.D

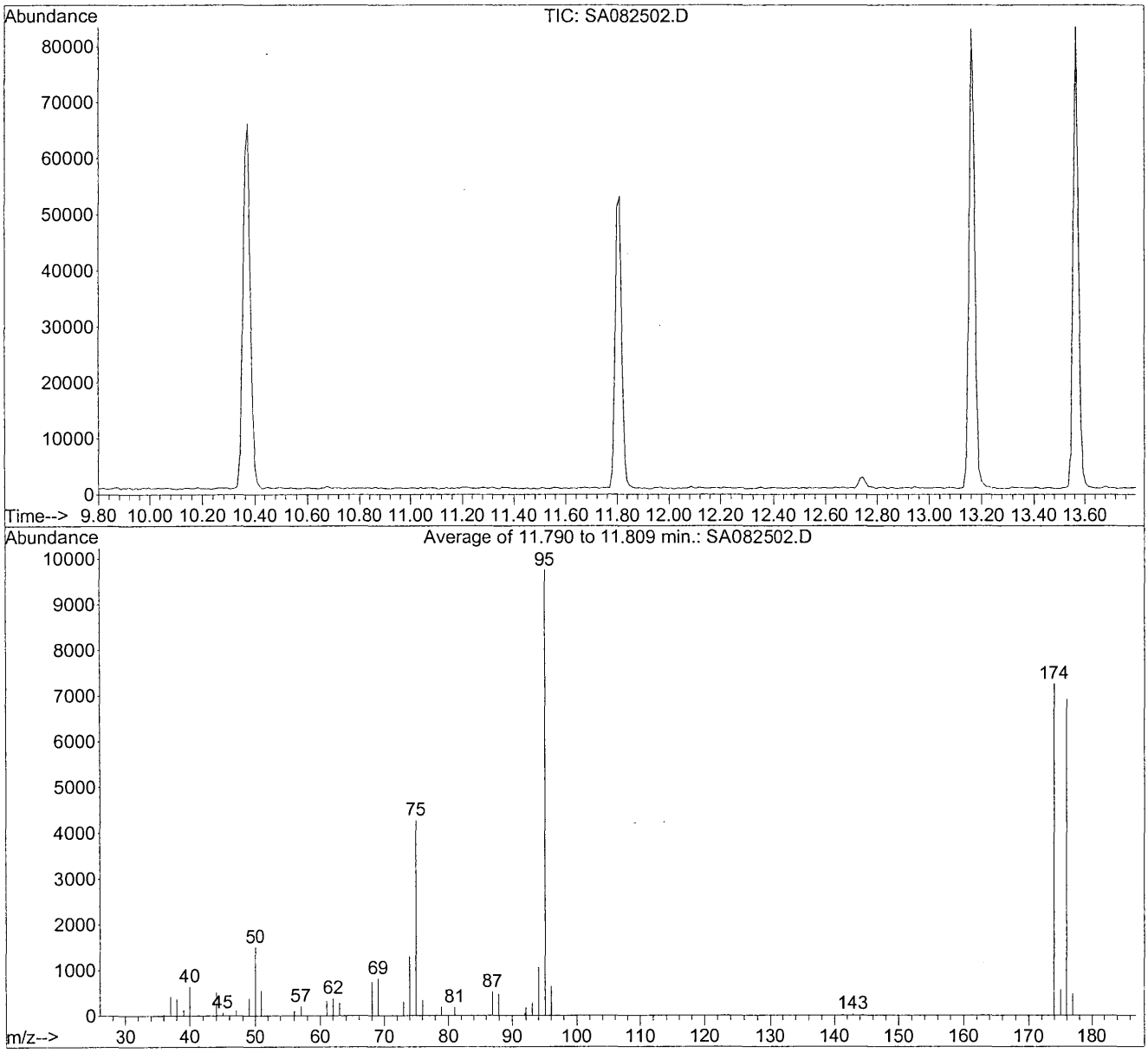
					129826	
File	Sample	Surrogate Recovery %			Internal Standard Responses	
SA082503.D	STD5	103	107		129826	
SA082504.D	BLANK	102	105		119903	
SA082505.D	LCS5	103	106		129615	
SA082506.D	LCSD5	103	108		122482	
SA082507.D	92049.17	103	106		121377	
SA082508.D	92049.17	104	108		150154	
SA082509.D	92049.17	105	109		159101	
SA082510.D	92049.24	104	107		142820	
SA082511.D	92049.25	102	106		134414	
SA082512.D	92049.27	103	107		124799	
SA082513.D	92079.01	103	107		133361	
SA082514.D	92079.02	104	108		142490	
SA082515.D	92079.03	104	108		141899	
SA082516.D	92079.09	102	106		140749	
SA082517.D	STD0.25	103	106		119398	

t - fails 12hr time check * - fails criteria

Created: Thu Aug 26 09:55:49 2010 VOAMS2

Data File : V:\1\DATA\AUG2510\SA082502.D
Acq On : 25 Aug 2010 8:51 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09

Vial: 2
Operator:
Inst : VOAMS2
Multiplr: 1.00



Spectrum Information: Average of 11.790 to 11.809 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	1502	PASS
75	95	30	60	43.8	4271	PASS
95	95	100	100	100.0	9756	PASS
96	95	5	9	6.7	649	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.4	7262	PASS
175	174	5	9	7.8	567	PASS
176	174	95	101	95.3	6921	PASS
177	176	5	9	6.8	471	PASS

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG2510\SA082503.D Vial: 2
Acq On : 25 Aug 2010 9:38 am Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
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	58	0.00
2		1,4-dioxaneV	5.000	5.710	-14.2	75	0.00
3	S	SS Toluene-d8_MS	10.000	10.260	-2.6	60	0.00
4	S	SS 4-BFB_MS	10.000	10.664	-6.6	63	0.00

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082503.D Vial: 2
Acq On : 25 Aug 2010 9:38 am Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 09:57:06 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

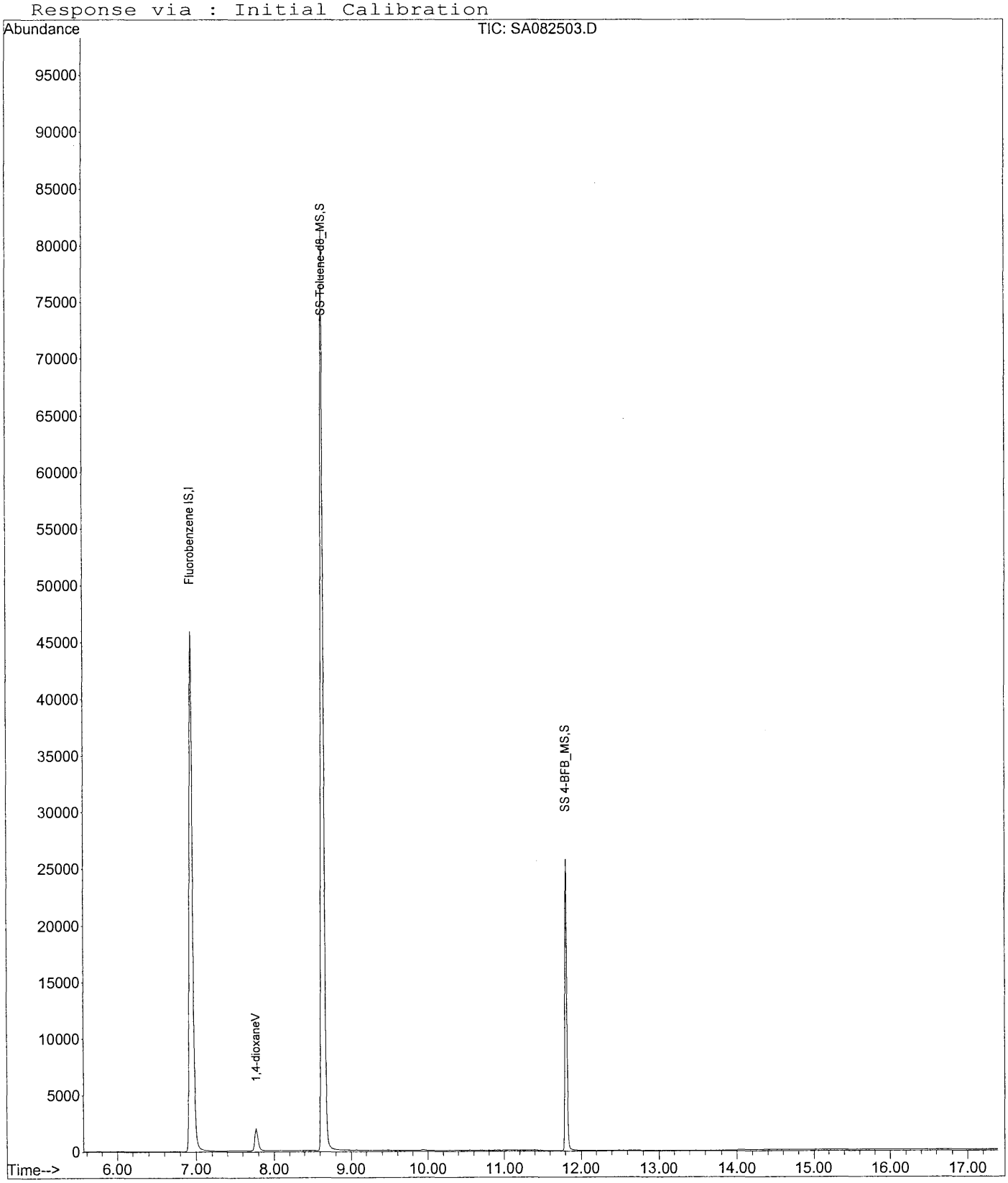
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	129826	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	137320	10.26	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.60%			
4) SS 4-BFB_MS	11.81	95	43820	10.66	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.64%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3760	5.710	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082503.D Vial: 2
Acq On : 25 Aug 2010 9:38 am Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 9:57 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082504.D Vial: 3
Acq On : 25 Aug 2010 10:25 am Operator:
Sample : BLANK Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:45:24 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

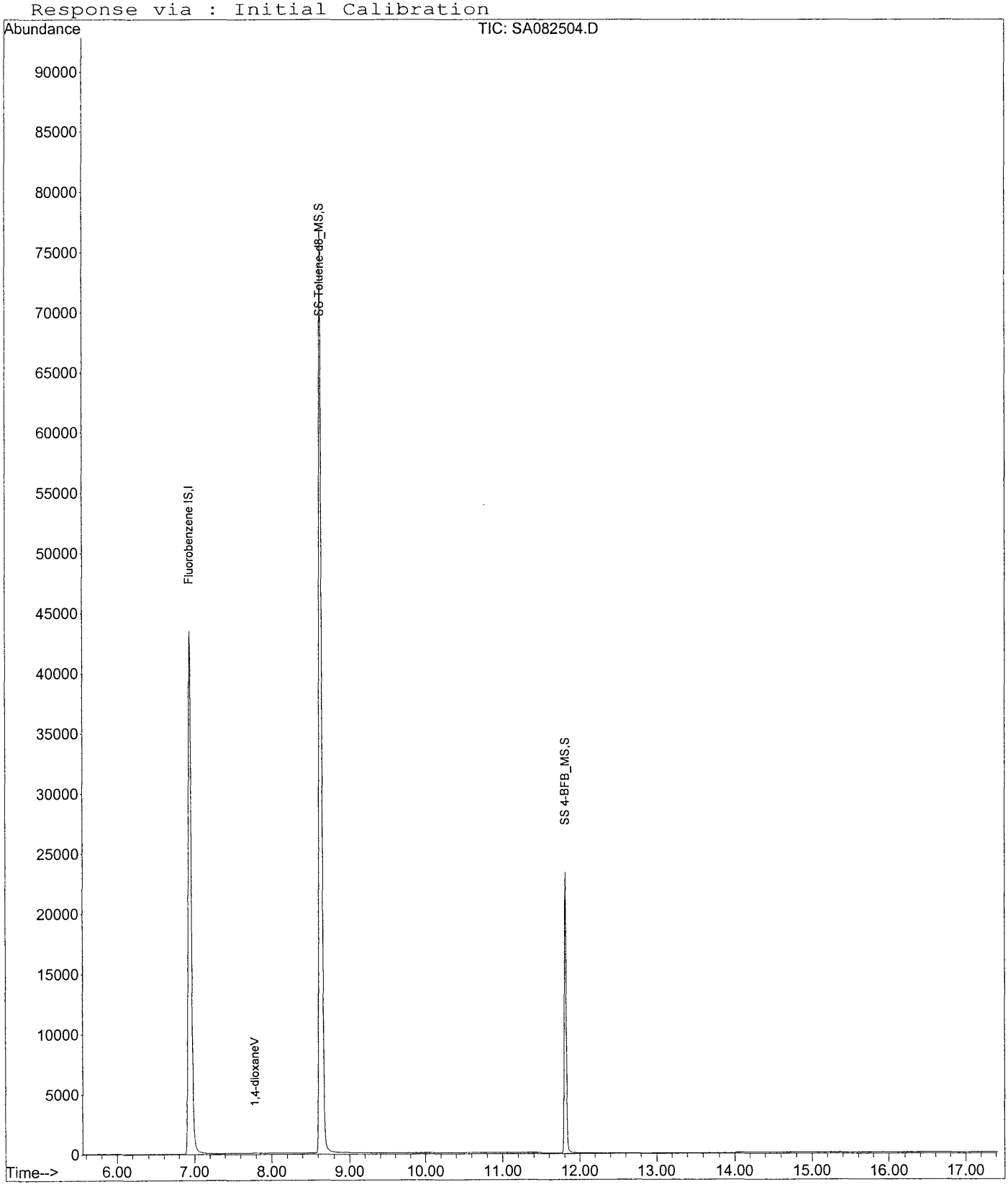
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	119903	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	126182	10.21	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.08%			
4) SS 4-BFB_MS	11.81	95	39989	10.54	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.37%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.79	88	69	0.113	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082504.D Vial: 3
Acq On : 25 Aug 2010 10:25 am Operator:
Sample : BLANK Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:45 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082505.D Vial: 4
Acq On : 25 Aug 2010 11:13 am Operator:
Sample : LCS5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:45:35 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

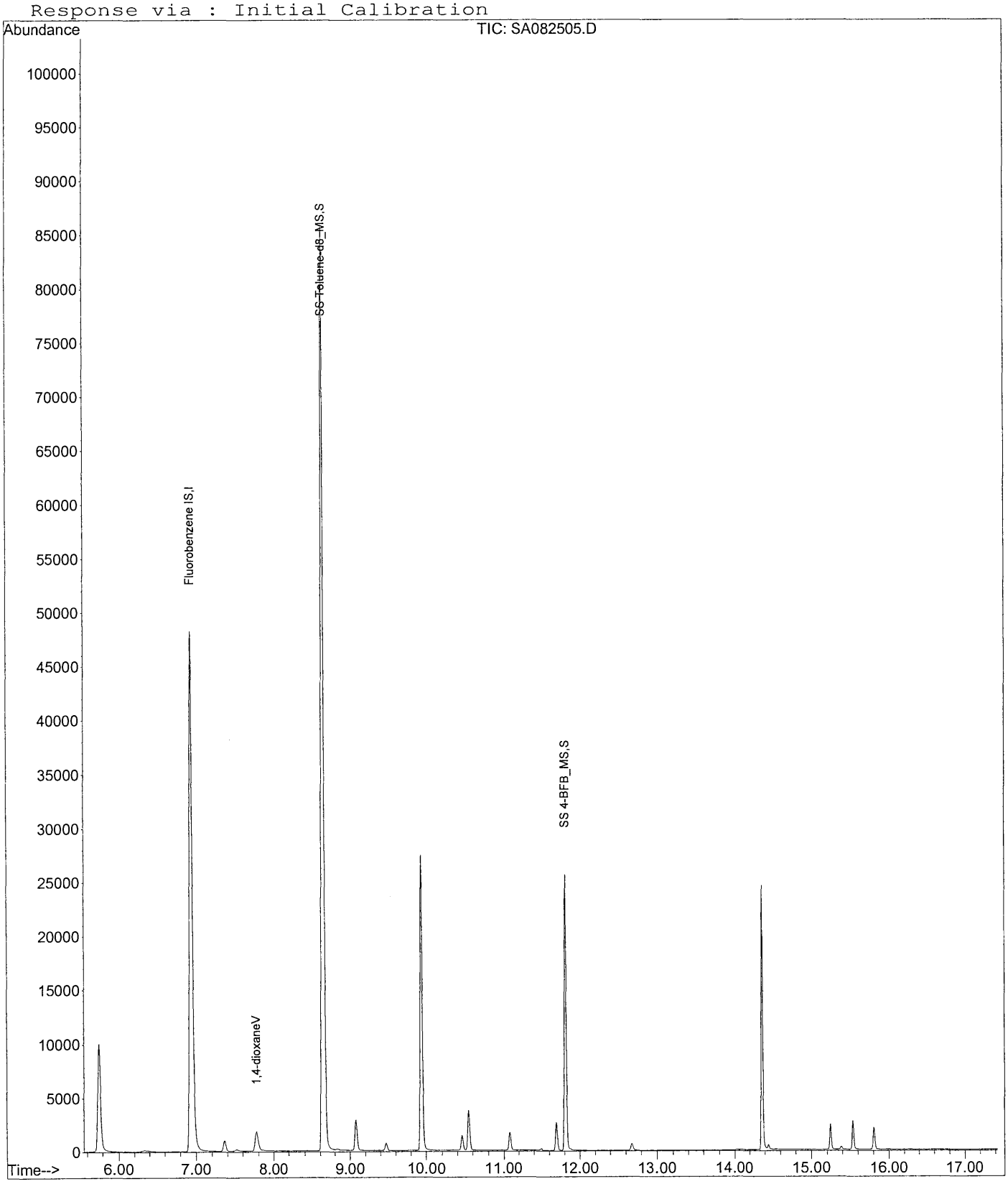
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	129615	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	137421	10.28	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.84%			
4) SS 4-BFB_MS	11.81	95	43383	10.57	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.75%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3296m	5.014	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082505.D Vial: 4
Acq On : 25 Aug 2010 11:13 am Operator:
Sample : LCS5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 10:14 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082506.D Vial: 5
Acq On : 25 Aug 2010 12:00 pm Operator:
Sample : LCSD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:45:45 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

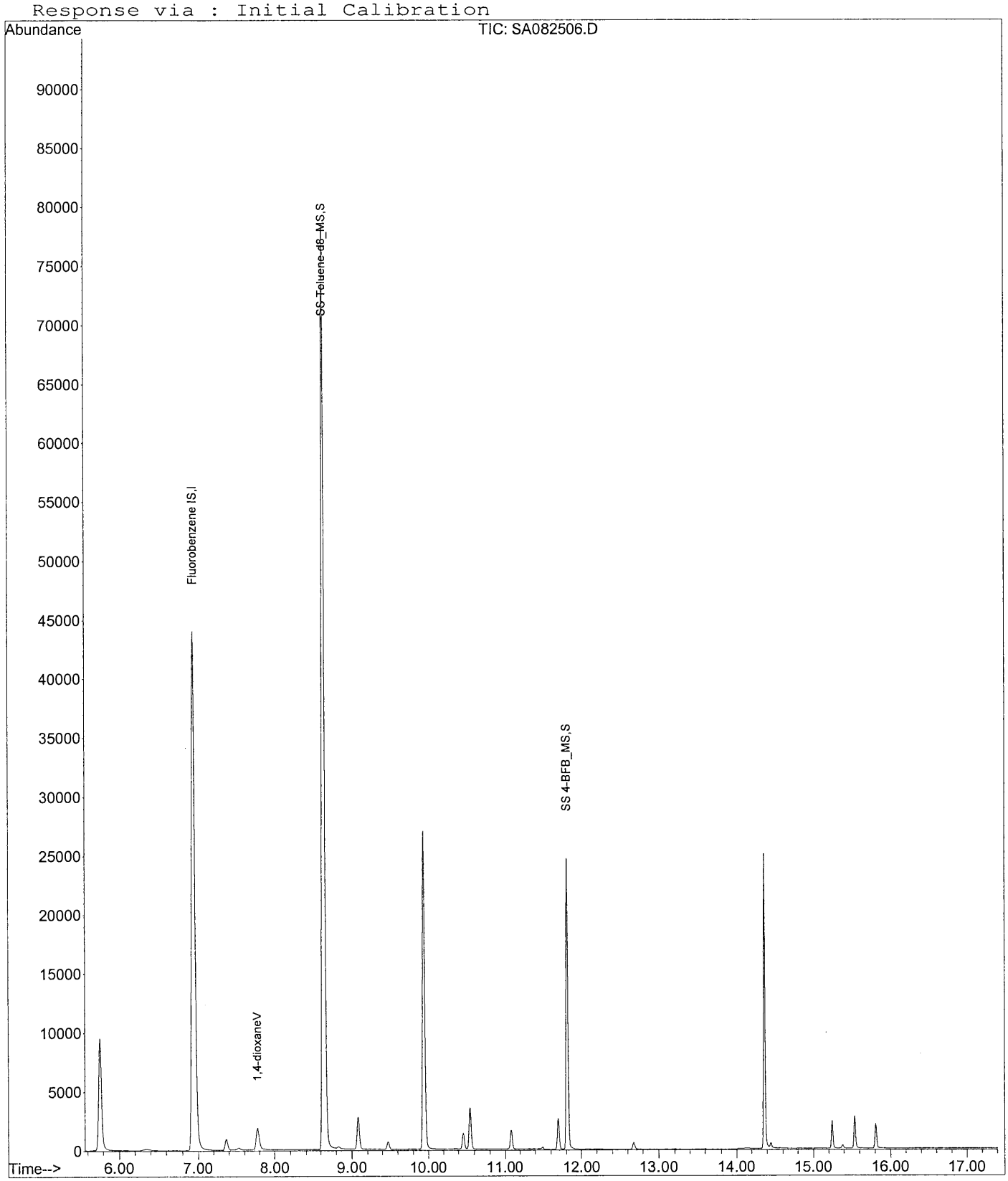
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	122482	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	130644	10.35	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.46%			
4) SS 4-BFB_MS	11.81	95	41792	10.78	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.80%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3407m	5.484	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082506.D Vial: 5
Acq On : 25 Aug 2010 12:00 pm Operator:
Sample : LCSD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 10:14 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082510.D Vial: 9
Acq On : 25 Aug 2010 3:11 pm Operator:
Sample : 92049.24 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:46:24 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	142820	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	152424	10.35	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.52%			
4) SS 4-BFB_MS	11.81	95	48217	10.67	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.67%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.79	88	411	0.567	ug/L	94

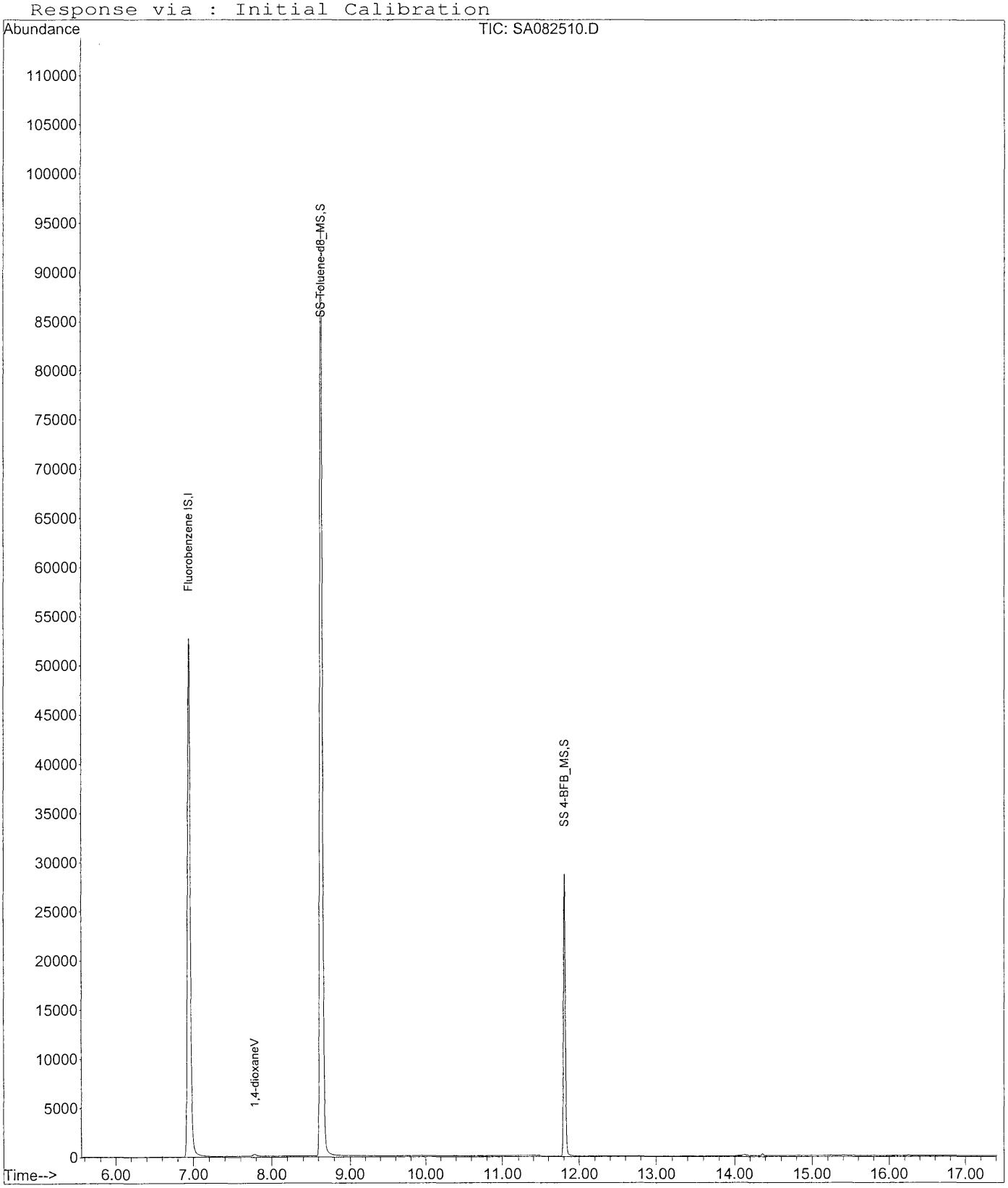
8/26/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082510.D Vial: 9
Acq On : 25 Aug 2010 3:11 pm Operator:
Sample : 92049.24 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:46 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082511.D Vial: 10
Acq On : 25 Aug 2010 3:58 pm Operator:
Sample : 92049.25 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:46:26 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	134414	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	141808	10.23	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.34%			
4) SS 4-BFB_MS	11.81	95	45199	10.62	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.24%			

Target Compounds Qvalue

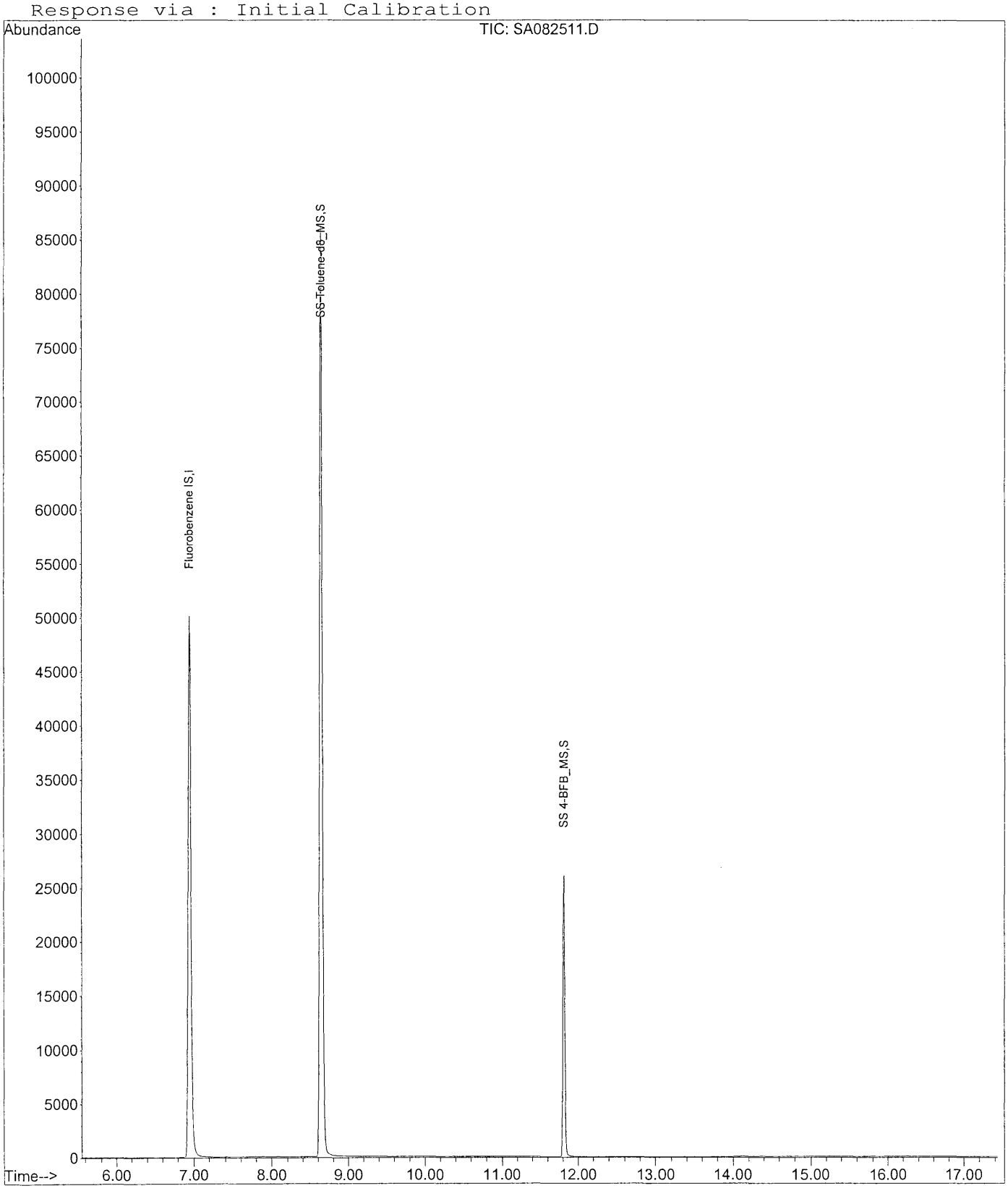
8/26/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082511.D 2SIM0525.M Thu Aug 26 09:46:26 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082511.D Vial: 10
Acq On : 25 Aug 2010 3:58 pm Operator:
Sample : 92049.25 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:46 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082512.D Vial: 11
Acq On : 25 Aug 2010 4:46 pm Operator:
Sample : 92049.27 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:46:28 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	124799	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	132407	10.29	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.91%			
4) SS 4-BFB_MS	11.81	95	42076	10.65	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.52%			

Target Compounds Qvalue

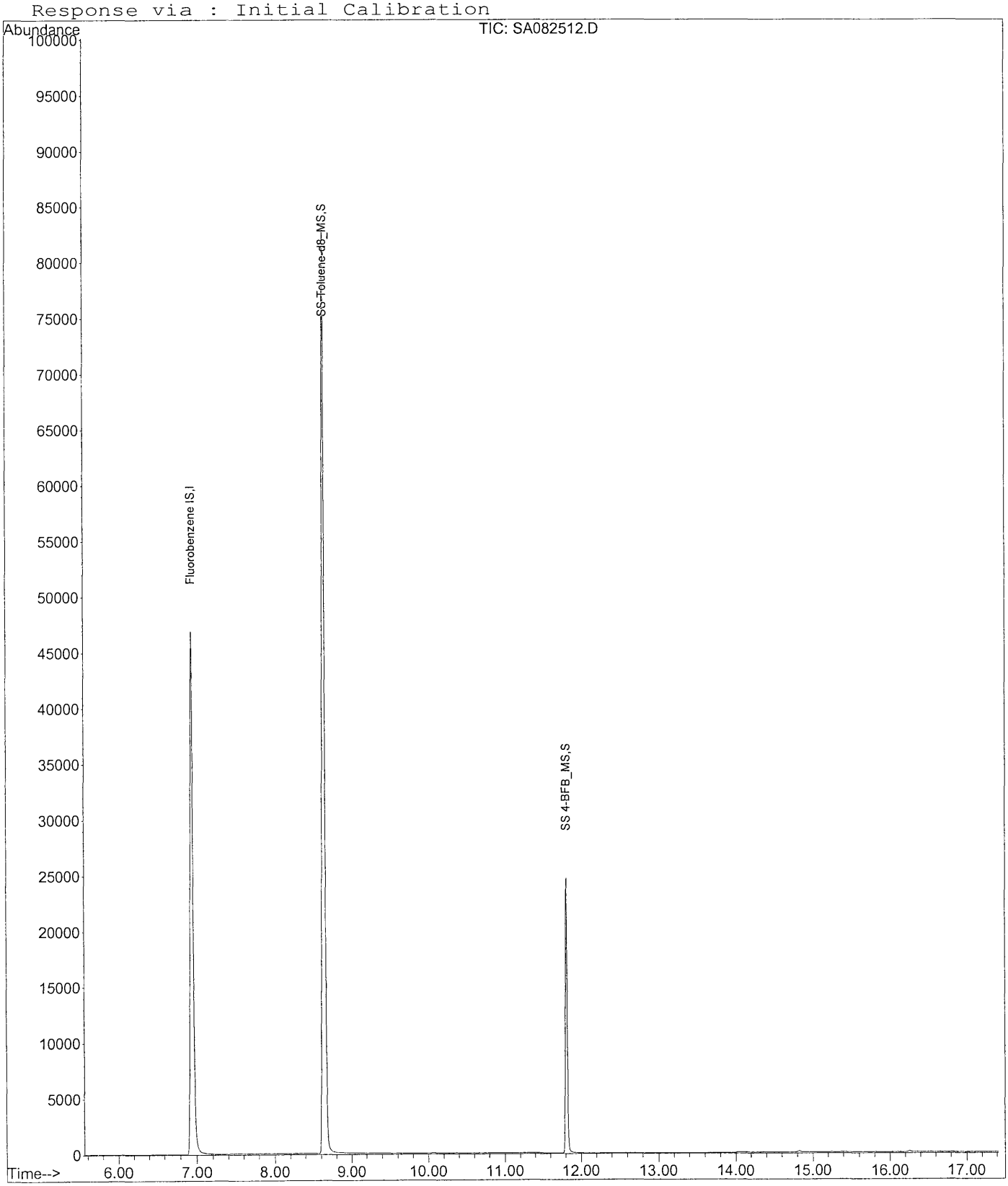
8/26/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082512.D Vial: 11
Acq On : 25 Aug 2010 4:46 pm Operator:
Sample : 92049.27 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:46 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



nQCBatch 73401561748

aQCPointers

BlnkA082710V82601
LCSaA082710V82601
LCSDA082710V82601
BlnkA082710V82601
LCSaA082710V82601

aQCBatchMembers

92049.04P
92049.08
92049.17P
92049.18
92049.21
73401561728.08P
73401561738.05
73401561738.06
73401561993.02
73401561993.03

2SIM0525
ICAL 0.5-50ppb

CV DEV
none

IS area ok
12 hr tune ok
BLK ok
QC in Control except for

MSDuA082710V82601 1,4-Dioxane RPD OOC Actual= 21 Threshold = 20
(5)RPD by %Rec

VOAMS2 Analysis Run Log

IS/SS ID= V- 3664

Standard ID= V- 3657

Analyst: VG

LCS/LCSD and/or MS/MSD Standard ID= V- 3598

Date: 8/27/10

Δ'd IS/SS

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SD082701	Blank				x1	VOC MS1			
2	2	BFB					VOC			
3	3	STD5					VOC SIM	2SIM0525		
4	4	Blank					VOC			
5	5	BFB					VOC			
6	6	STD5					VOC			
7	7	STD5					VOC			
8	8	Blank					VOC			
9	9	LCS5					VOC			
10	10	LCSD5					VOC			
11	11	92049.08					VOC			
12	12	.21					VOC			
13	13	.04				x10	VOC			
14	14	.18					VOC			
15	15	.17					VOC			
16	16	.17MS					VOC			
17	17	.17MSD					VOC			
18	18	.07 ~~.06~~				x1	VOC			
19	19	Blank					VOC			
20	20	1PPB					VOC			
							VOC			
							VOC			
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							VOC			
							VOC			

Samples removed from autosampler, order verified by ✓ ✓ ___ 8/30/10 1-20

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG2710\SA082705.D
Tune Time : 27 Aug 2010 11:34 am

Daily Calibration File : V:\1\DATA\AUG2710\SA082707.D

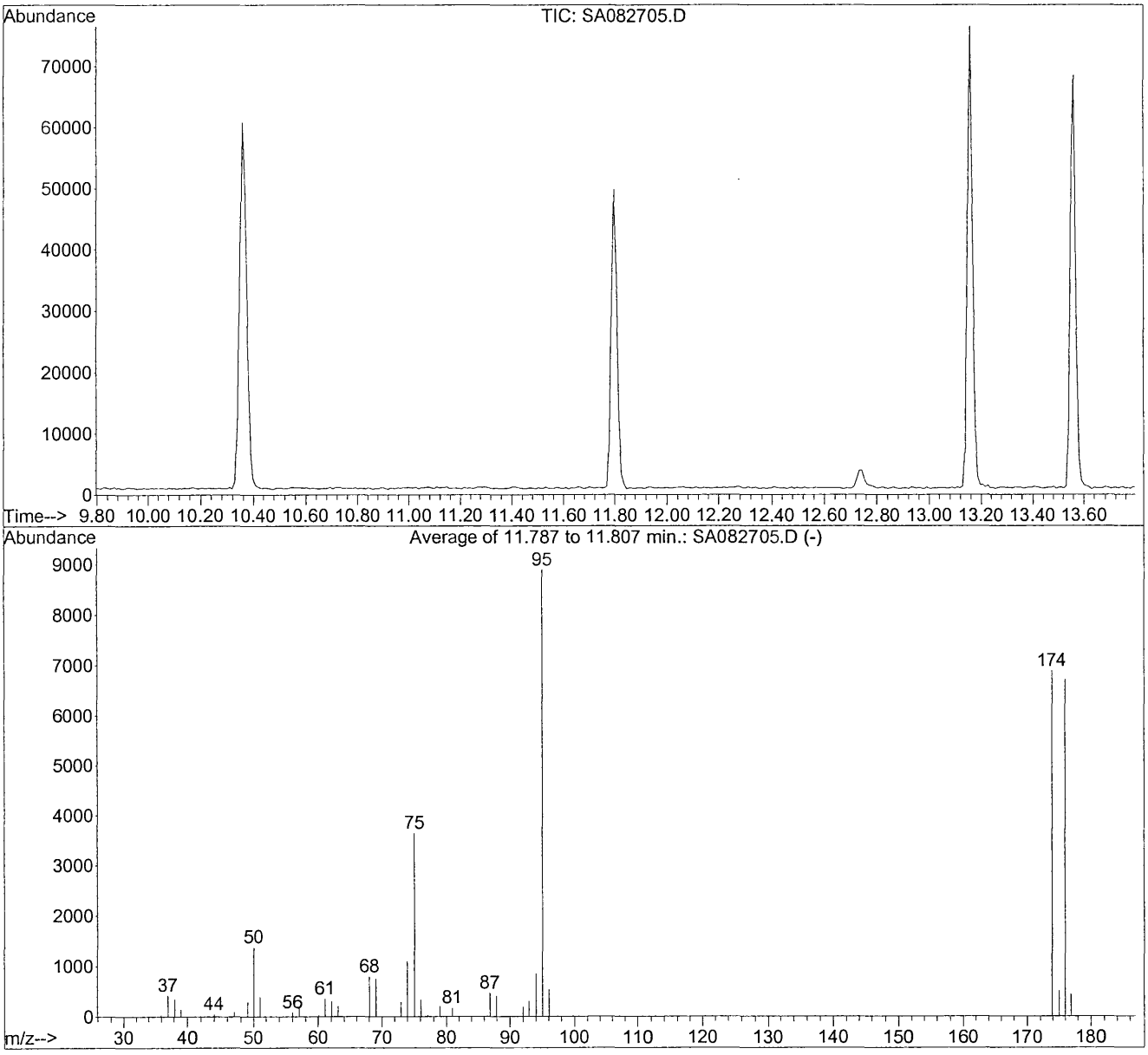
				114137
File	Sample	Surrogate Recovery %		Internal Standard Responses
SA082707.D	STD5	102	101	114137
SA082708.D	BLANK	101	102	107292
SA082709.D	LCS	100	103	109955
SA082710.D	LCSD	101	104	108459
SA082711.D	92049.08	101	101	118719
SA082712.D	92049.21	101	102	116751
SA082713.D	92049.04	103	103	109276
SA082714.D	92049.18	101	104	111123
SA082715.D	92049.17	102	103	106962
SA082716.D	92049.17	104	104	109685
SA082717.D	92049.17	103	102	113910
SA082718.D	92049.07	102	104	110863

t - fails 12hr time check * - fails criteria

Created: Mon Aug 30 10:07:50 2010 VOAMS2

Data File : V:\1\DATA\AUG2710\SA082705.D
Acq On : 27 Aug 2010 11:34 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09

Vial: 5
Operator:
Inst : VOAMS2
Multiplr: 1.00



Spectrum Information: Average of 11.787 to 11.807 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.5	1374	PASS
75	95	30	60	41.0	3645	PASS
95	95	100	100	100.0	8893	PASS
96	95	5	9	6.1	541	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.4	6880	PASS
175	174	5	9	7.3	505	PASS
176	174	95	101	97.6	6713	PASS
177	176	5	9	6.6	444	PASS

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG2710\SA082707.D Vial: 7
Acq On : 27 Aug 2010 1:07 pm Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
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	51	0.00
2		1,4-dioxaneV	5.000	5.645	-12.9	65	0.00
3	S	SS Toluene-d8_MS	10.000	10.169	-1.7	52	0.00
4	S	SS 4-BFB_MS	10.000	10.129	-1.3	53	0.00

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2710\SA082707.D Vial: 7
Acq On : 27 Aug 2010 1:07 pm Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 27 13:41:50 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

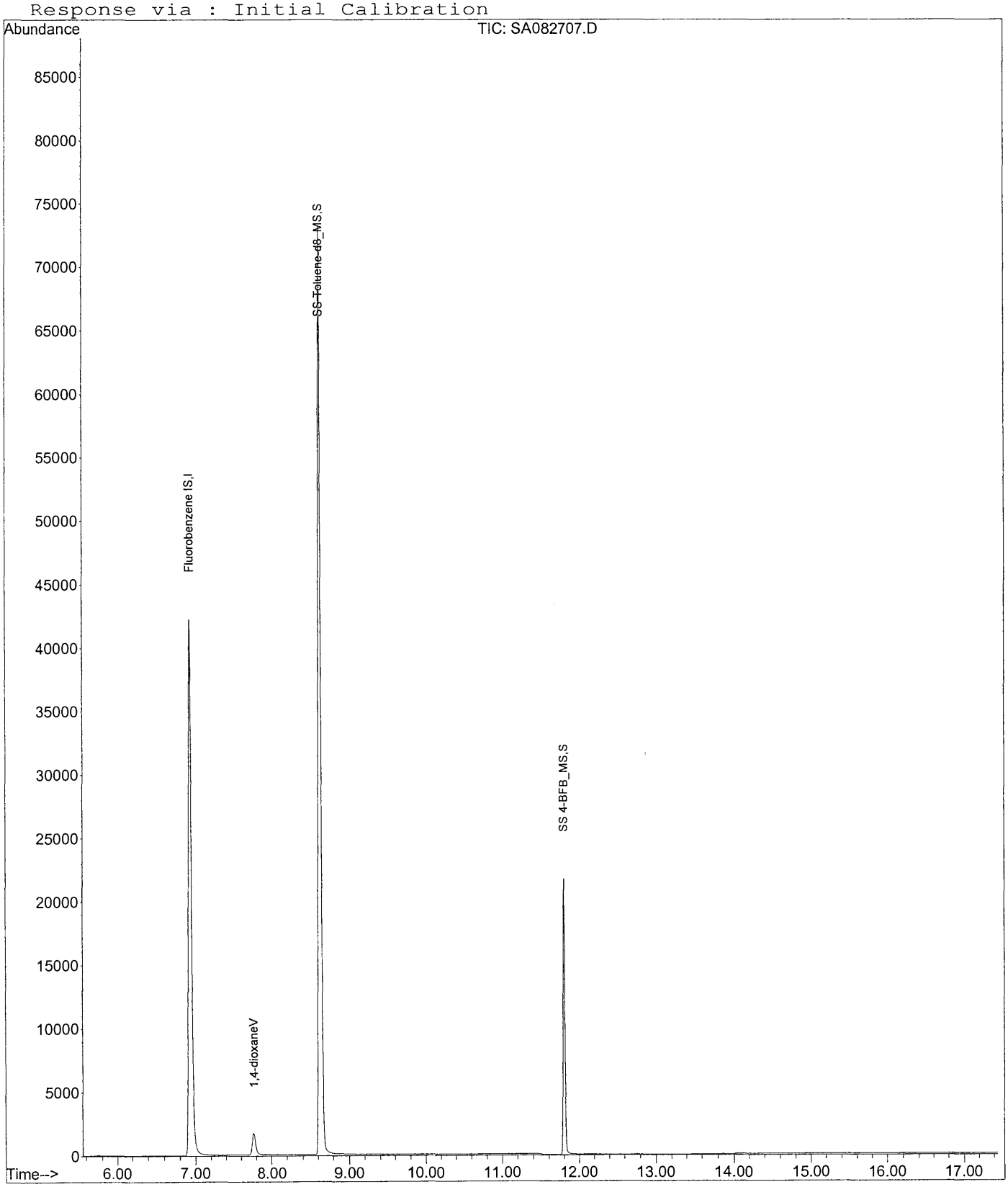
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	114137	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	119657	10.17	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.69%			
4) SS 4-BFB_MS	11.80	95	36590	10.13	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.29%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3268	5.645	ug/L	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2710\SA082707.D Vial: 7
Acq On : 27 Aug 2010 1:07 pm Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 27 13:41 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2710\SA082708.D Vial: 8
Acq On : 27 Aug 2010 1:54 pm Operator:
Sample : BLANK Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:03:49 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

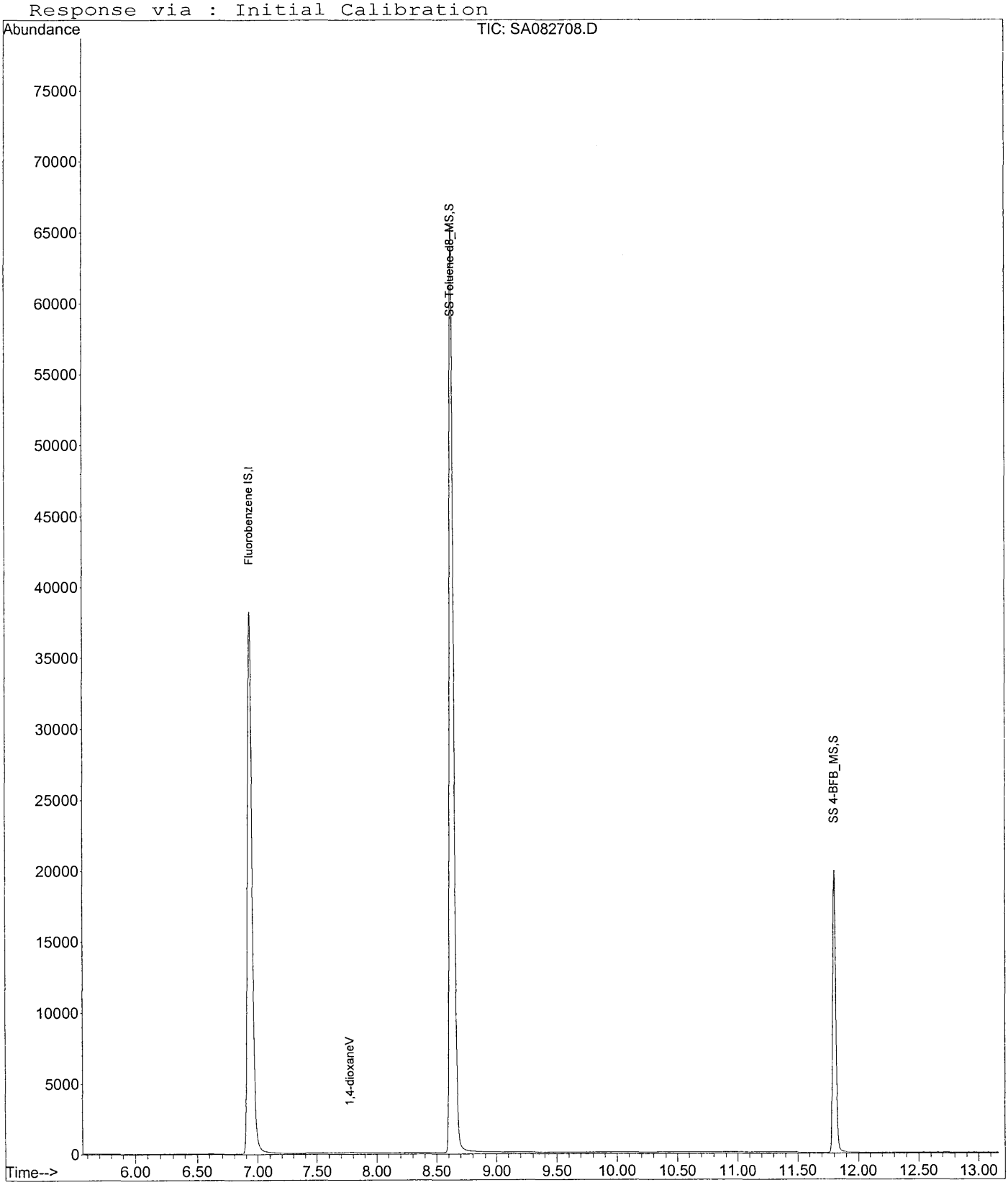
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	107292	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	111818	10.11	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.09%			
4) SS 4-BFB_MS	11.81	95	34557	10.18	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.76%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	62	0.114	ug/L	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2710\SA082708.D Vial: 8
Acq On : 27 Aug 2010 1:54 pm Operator:
Sample : BLANK Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:03 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2710\SA082709.D Vial: 9
Acq On : 27 Aug 2010 2:42 pm Operator:
Sample : LCS Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04:00 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

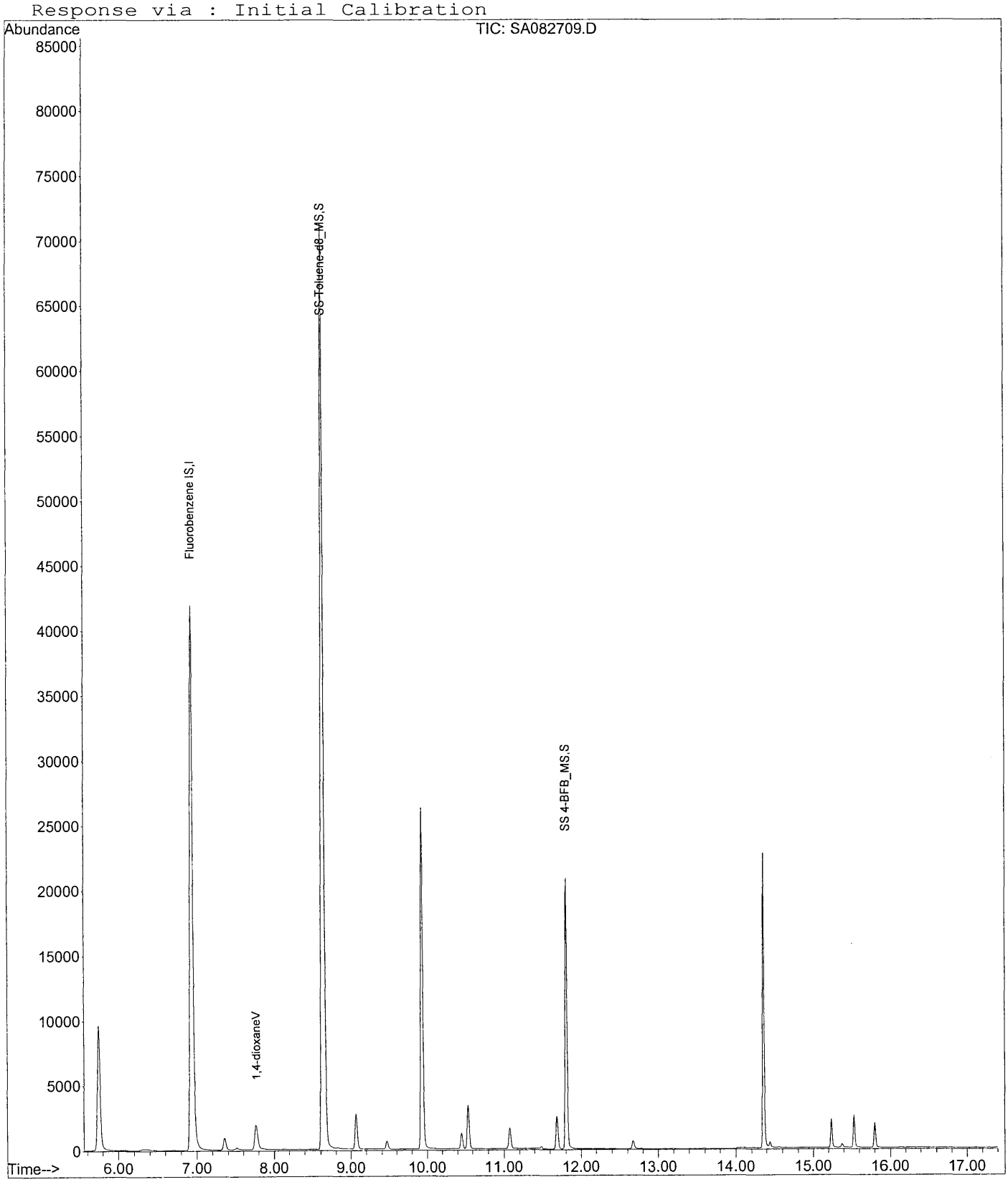
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	109955	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	113491	10.01	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.12%			
4) SS 4-BFB_MS	11.80	95	35753	10.27	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.73%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3416m	6.125	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2710\SA082709.D Vial: 9
Acq On : 27 Aug 2010 2:42 pm Operator:
Sample : LCS Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:44 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2710\SA082710.D
Acq On : 27 Aug 2010 3:30 pm
Sample : LCSD
Misc : X1;5mL
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04:10 2010

Vial: 10
Operator:
Inst : VOAMS2
Multiplr: 1.00
Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

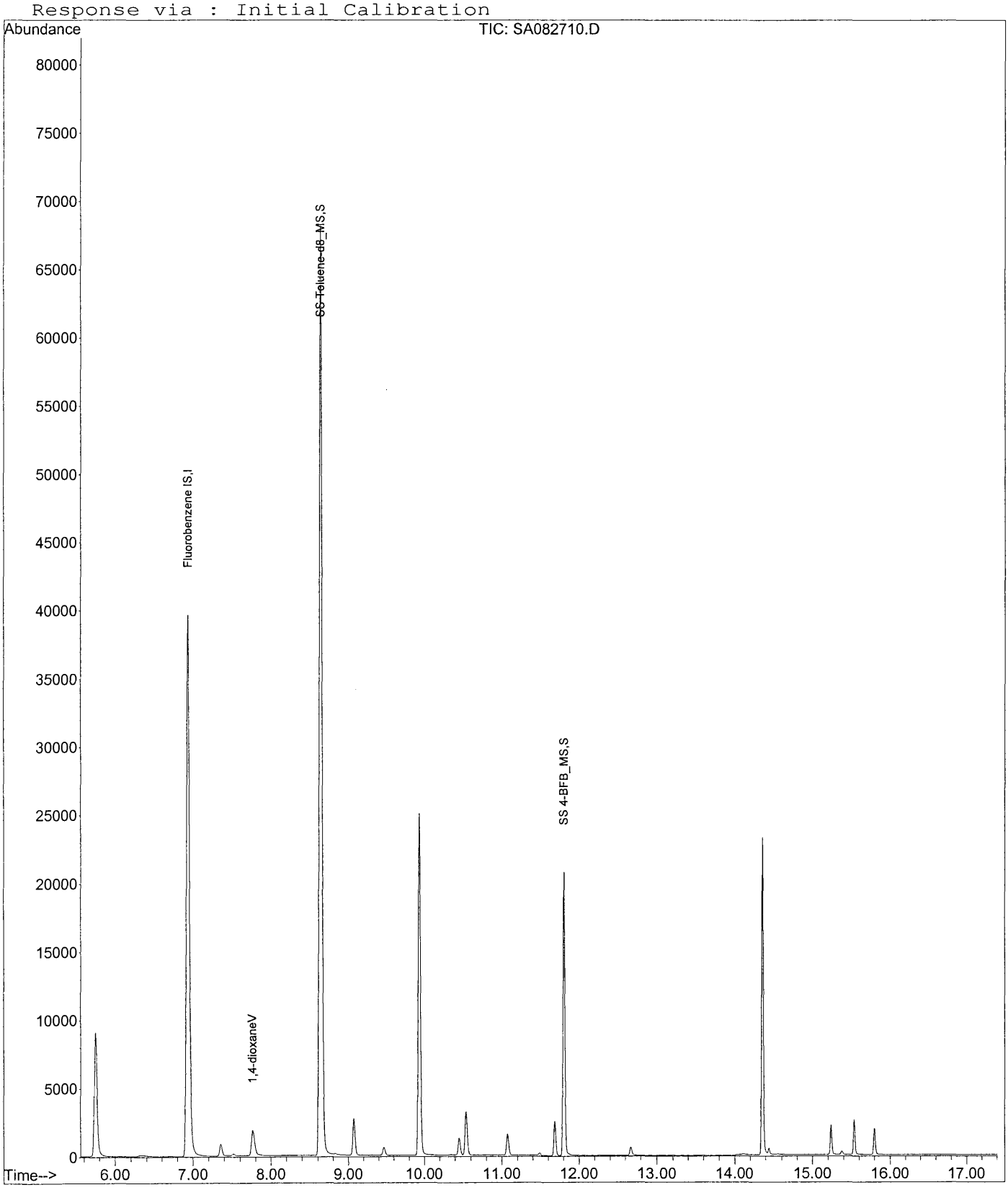
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	108459	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	112818	10.09	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.90%			
4) SS 4-BFB_MS	11.80	95	35788	10.43	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.25%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	3359m	6.106	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2710\SA082710.D Vial: 10
Acq On : 27 Aug 2010 3:30 pm Operator:
Sample : LCSD Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:44 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2710\SA082713.D Vial: 13
Acq On : 27 Aug 2010 5:52 pm Operator:
Sample : 92049.04 Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04:39 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	Qlon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	109276	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	115542	10.26	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.56%			
4) SS 4-BFB_MS	11.80	95	35619	10.30	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.98%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	6266	11.306	ug/L	89

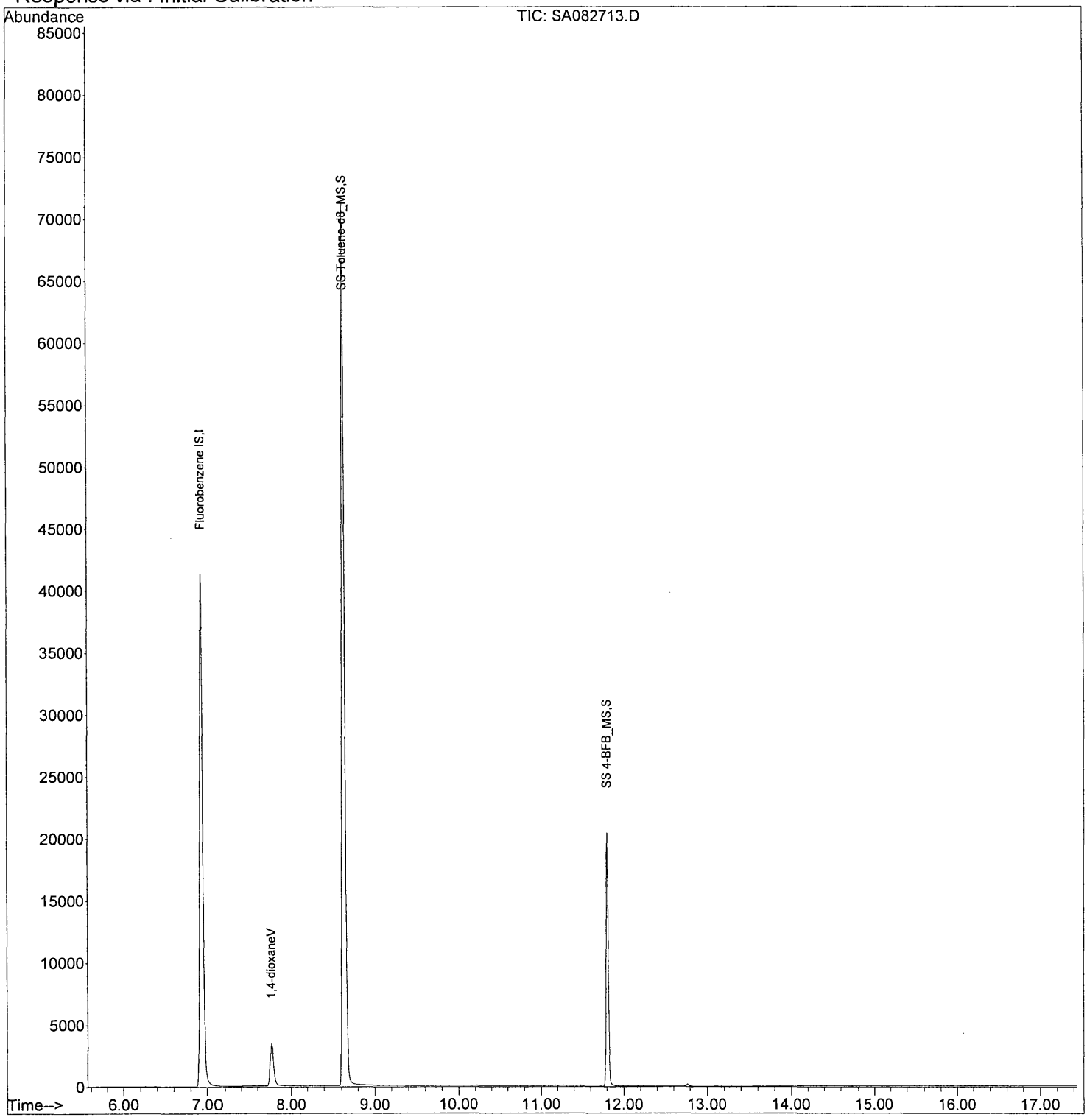
8/30/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082713.D 2SIM0525.M Mon Aug 30 10:04:40 2010

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2710\SA082713.D Vial: 13
Acq On : 27 Aug 2010 5:52 pm Operator:
Sample : 92049.04 Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082410.D Vial: 9
Acq On : 24 Aug 2010 5:01 pm Operator:
Sample : 92049.04 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:12:53 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	187297	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	198067	10.26	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.58%			
4) SS 4-BFB_MS	11.80	95	61779	10.42	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.21%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	63609	66.961	ug/L	97

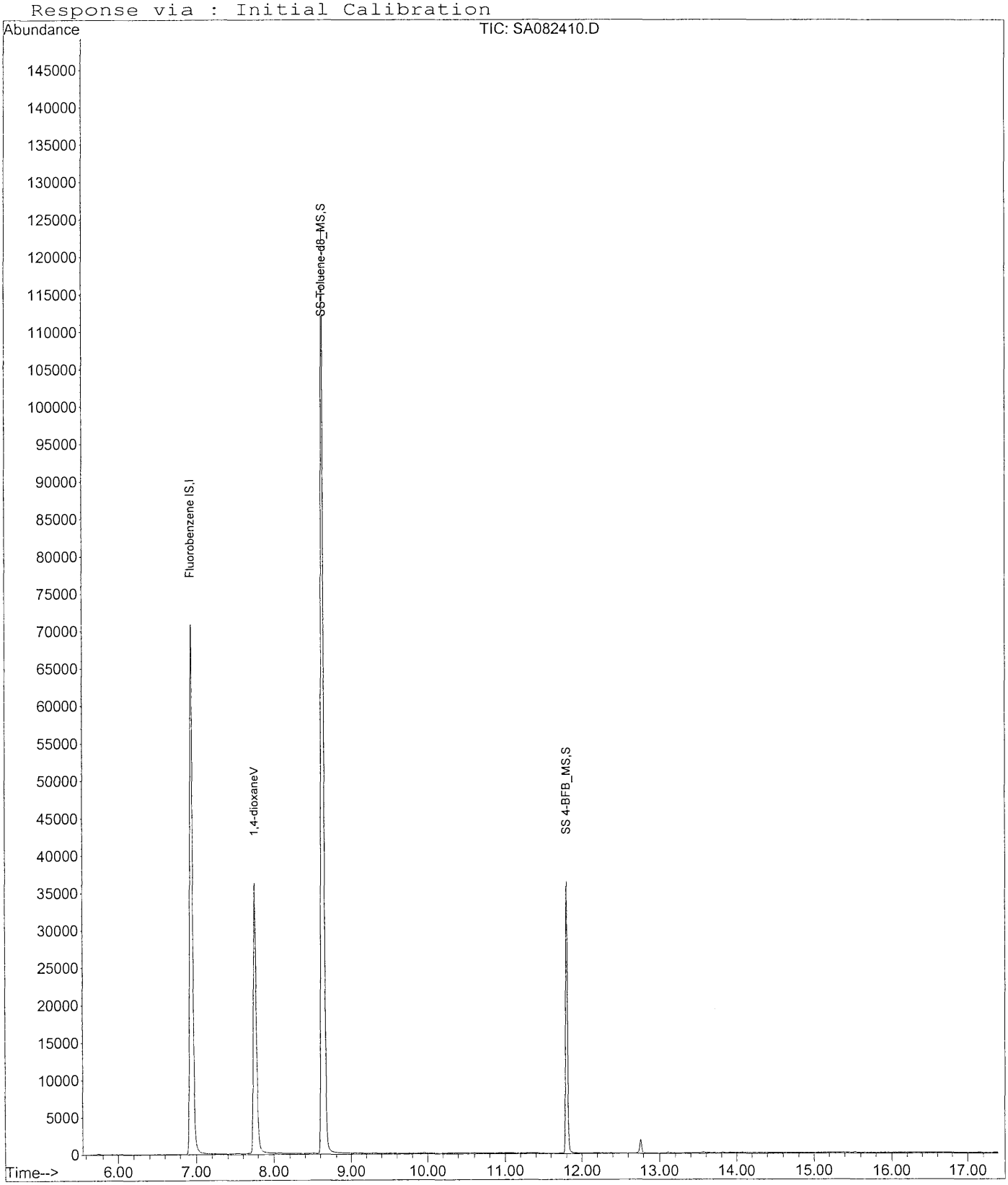
x10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082410.D Vial: 9
Acq On : 24 Aug 2010 5:01 pm Operator:
Sample : 92049.04 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:12 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2710\SA082711.D Vial: 11
Acq On : 27 Aug 2010 4:17 pm Operator:
Sample : 92049.08 Inst : VOAMS2
Misc : X1;5mL RR MultiplIr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04:30 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	Qlon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	118719	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	123019	10.05	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.51%			
4) SS 4-BFB_MS	11.80	95	37974	10.11	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.06%			
Target Compounds				Qvalue		
2) 1,4-dioxaneV	7.77	88	624	1.036	ug/L	94

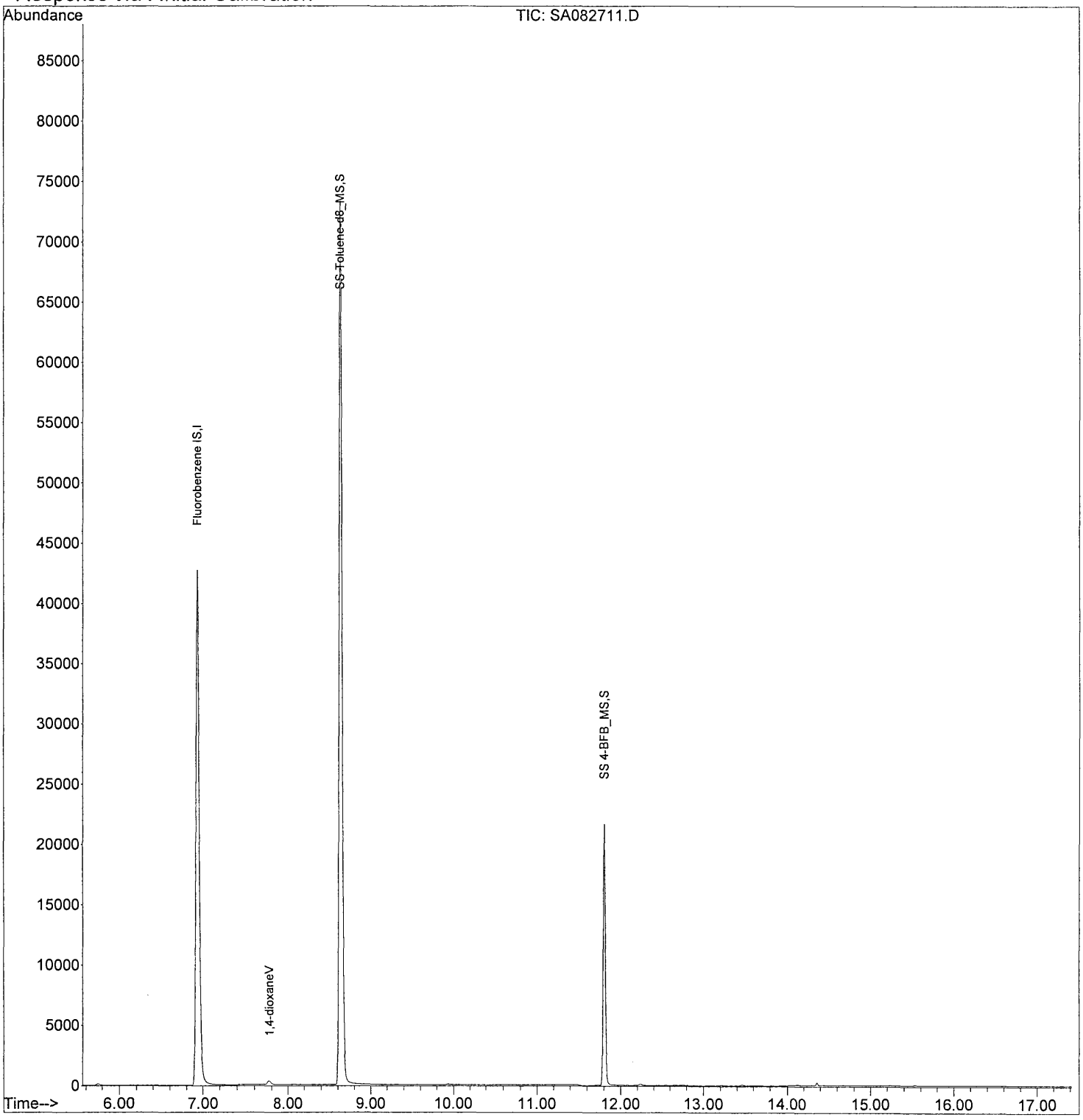
8/30/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082711.D 2SIM0525.M Mon Aug 30 10:04:32 2010

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2710\SA082711.D Vial: 11
Acq On : 27 Aug 2010 4:17 pm Operator:
Sample : 92049.08 Inst : VOAMS2
Misc : X1;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082412.D Vial: 11
Acq On : 24 Aug 2010 6:36 pm Operator:
Sample : 92049.08 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:12:57 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	167996	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	177111	10.23	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.26%			
4) SS 4-BFB_MS	11.80	95	55720	10.48	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.79%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	970	1.138	ug/L	94

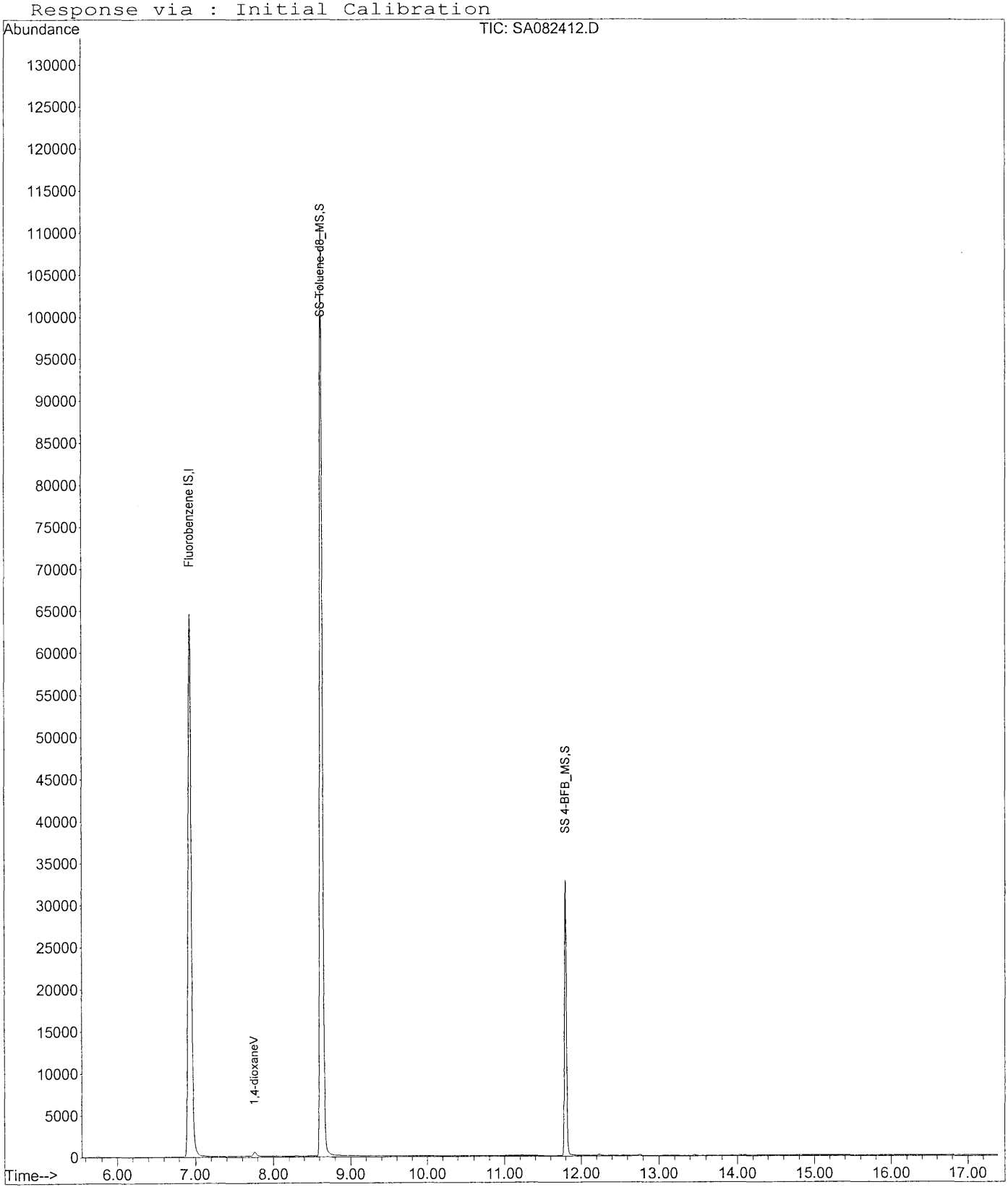
Rerun. C.O.?

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082412.D Vial: 11
Acq On : 24 Aug 2010 6:36 pm Operator:
Sample : 92049.08 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:12 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2710\SA082715.D Vial: 15
Acq On : 27 Aug 2010 7:29 pm Operator:
Sample : 92049.17 Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04:47 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

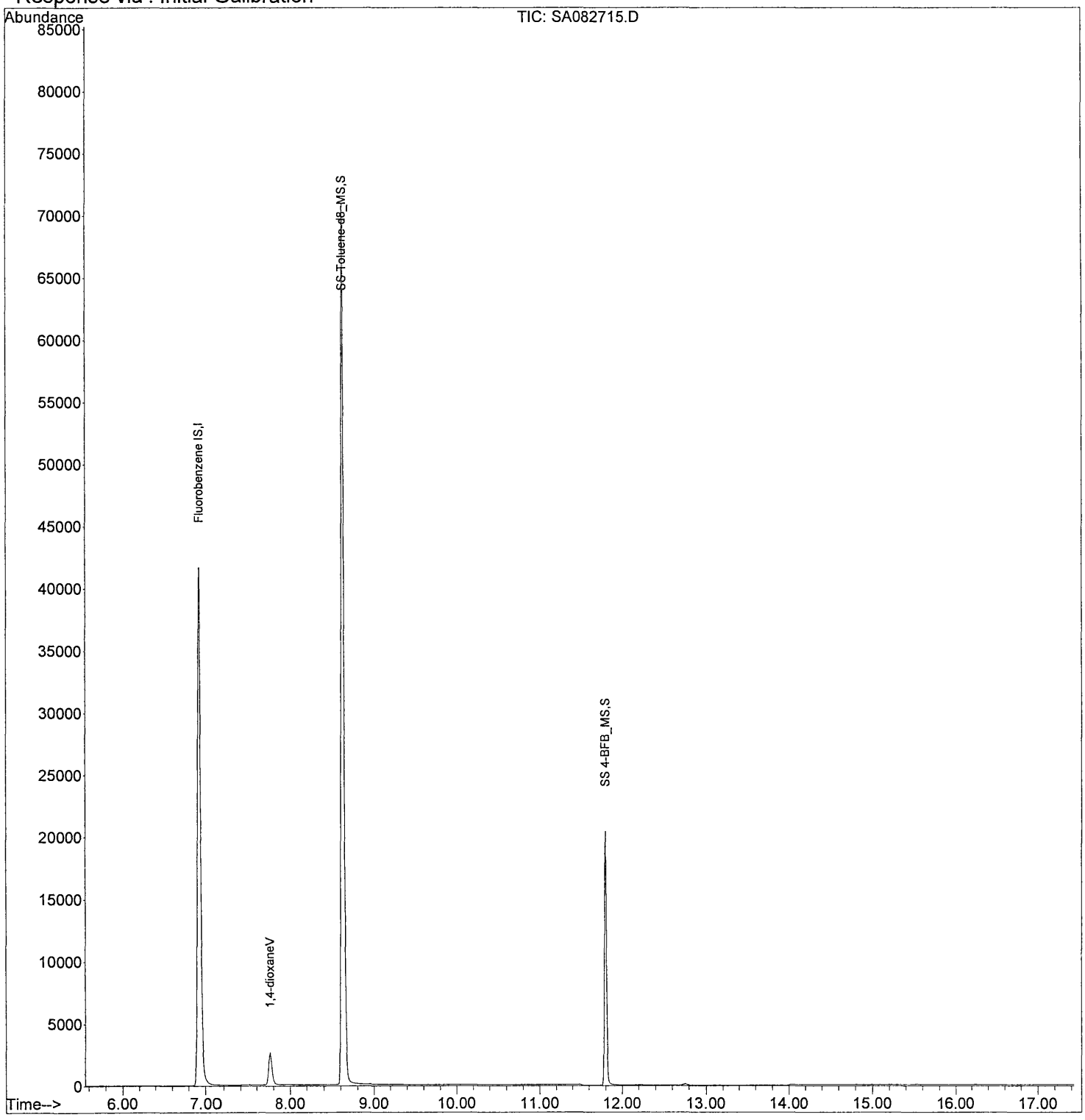
Internal Standards	R.T.	Qlon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	106962	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.62	98	112044	10.16	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.61%			
4) SS 4-BFB_MS	11.80	95	34835	10.29	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.90%			
Target Compounds				Qvalue		
2) 1,4-dioxaneV	7.76	88	4669	8.607	ug/L	98

8/30/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082715.D 2SIM0525.M Mon Aug 30 10:04:48 2010

Data File : V:\1\DATA\AUG2710\SA082715.D Vial: 15
Acq On : 27 Aug 2010 7:29 pm Operator:
Sample : 92049.17 Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082507.D Vial: 6
Acq On : 25 Aug 2010 12:48 pm Operator:
Sample : 92049.17 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:46:13 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	121377	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	128844	10.30	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.97%			
4) SS 4-BFB_MS	11.81	95	40741	10.60	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.05%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	44431	72.174	ug/L	90

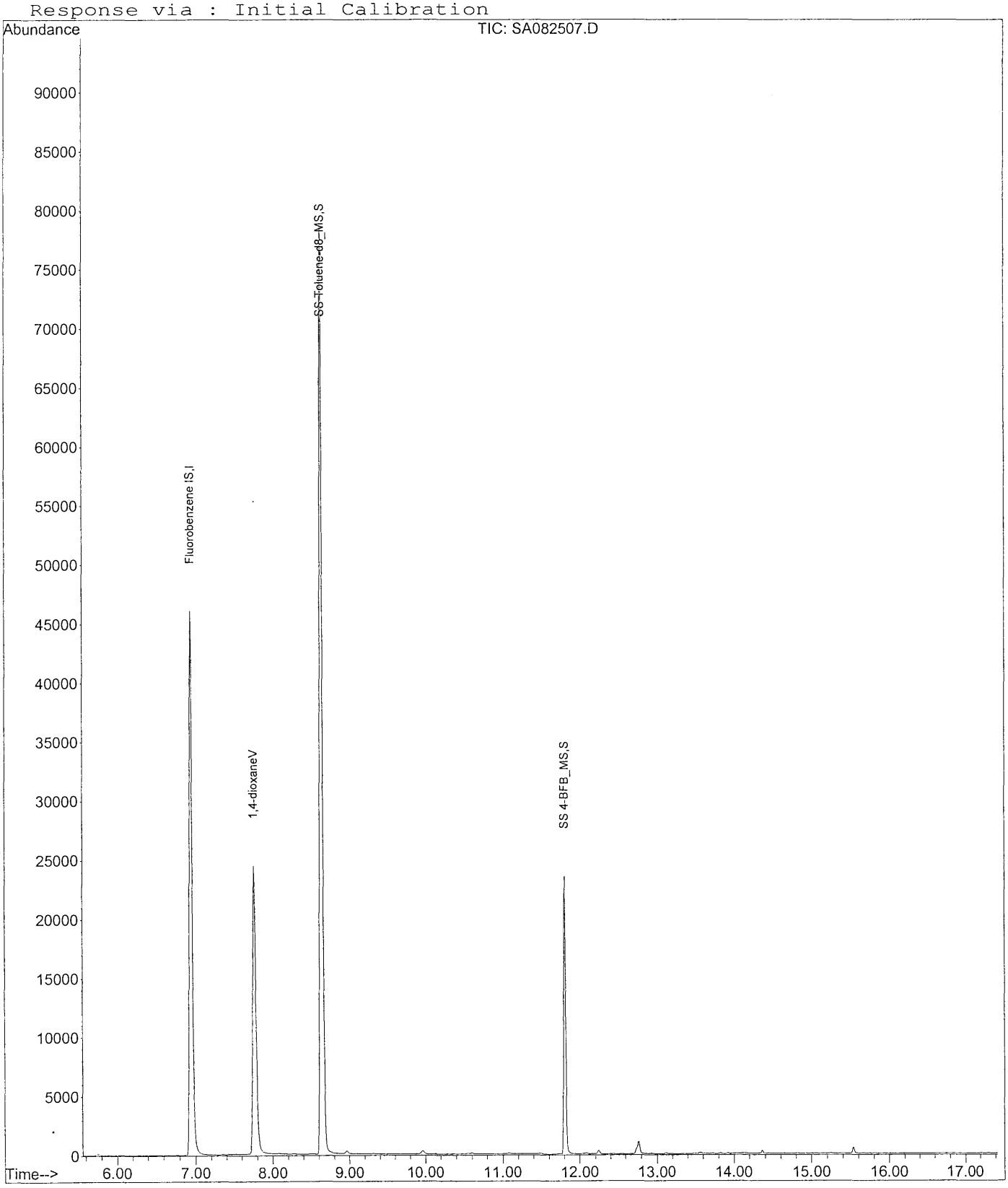
Brian XO

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082507.D 2SIM0525.M Thu Aug 26 09:46:17 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082507.D Vial: 6
Acq On : 25 Aug 2010 12:48 pm Operator:
Sample : 92049.17 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:46 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2710\SA082716.D Vial: 16
Acq On : 27 Aug 2010 8:18 pm Operator:
Sample : 92049.17MS Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04:51 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	Qlon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	109685	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.62	98	117832	10.42	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.20%			
4) SS 4-BFB_MS	11.80	95	36037	10.38	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.80%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	8404	15.107	ug/L	95

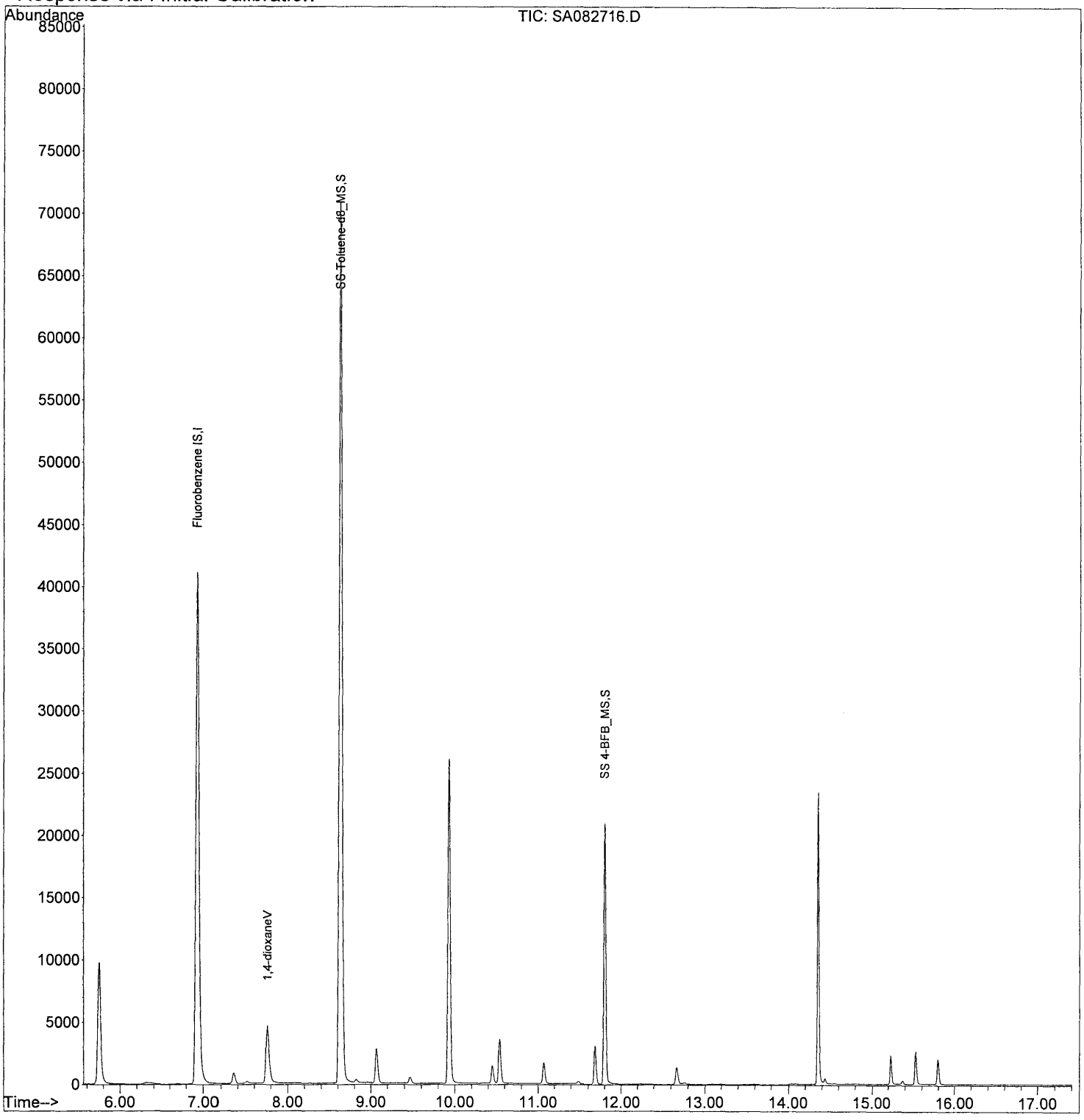
8/30/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082716.D 2SIM0525.M Mon Aug 30 10:04:52 2010

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2710\SA082716.D Vial: 16
Acq On : 27 Aug 2010 8:18 pm Operator:
Sample : 92049.17MS Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082508.D Vial: 7
Acq On : 25 Aug 2010 1:36 pm Operator:
Sample : 92049.17MS Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:46:20 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	150154	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	160525	10.37	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.70%			
4) SS 4-BFB_MS	11.81	95	51347	10.80	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.04%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	49131	64.514	ug/L	90

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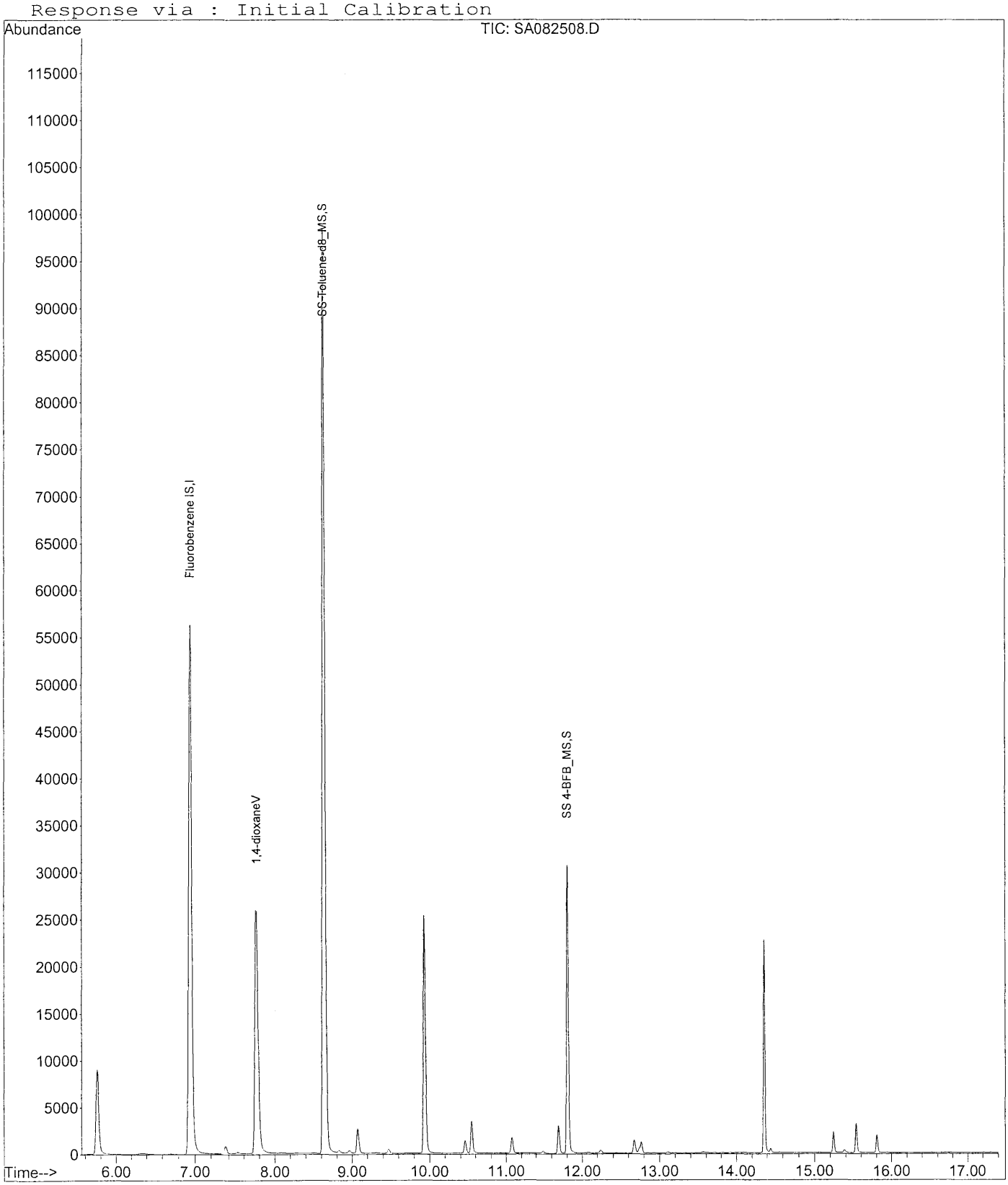
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082508.D Vial: 7
Acq On : 25 Aug 2010 1:36 pm Operator:
Sample : 92049.17MS Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:46 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2710\SA082717.D Vial: 17
Acq On : 27 Aug 2010 9:05 pm Operator:
Sample : 92049.17MSD Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04:55 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	113910	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.62	98	120475	10.26	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130			Recovery = 102.59%		
4) SS 4-BFB_MS	11.80	95	36853	10.22	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130			Recovery = 102.22%		
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	8007	13.859	ug/L	94

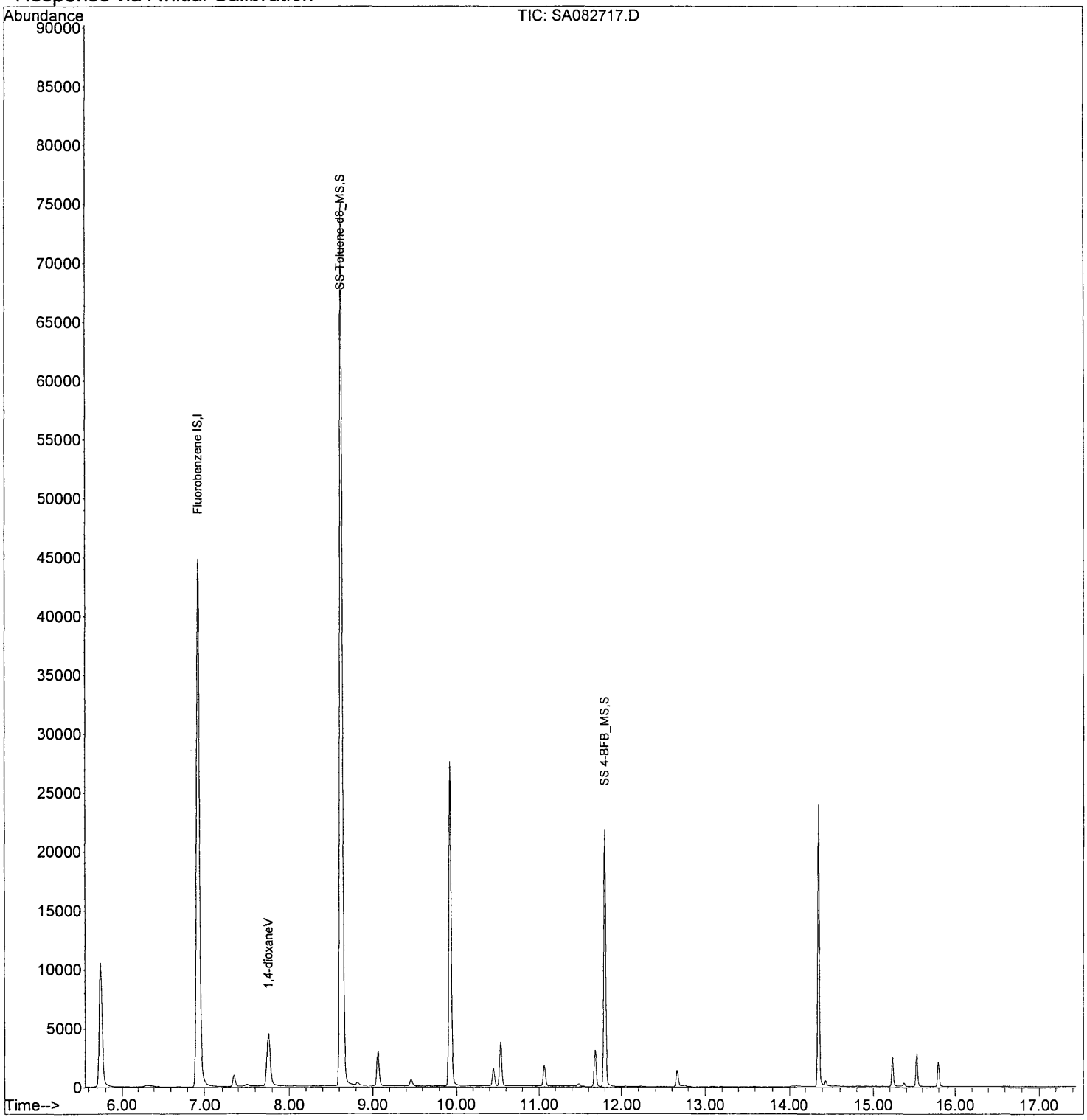
8/30/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082717.D 2SIM0525.M Mon Aug 30 10:04:56 2010

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2710\SA082717.D Vial: 17
Acq On : 27 Aug 2010 9:05 pm Operator:
Sample : 92049.17MSD Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082509.D Vial: 8
Acq On : 25 Aug 2010 2:23 pm Operator:
Sample : 92049.17MSD Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:46:22 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	159101	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	171875	10.48	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.79%			
4) SS 4-BFB_MS	11.81	95	54983	10.92	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.19%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	50499	62.581	ug/L	91

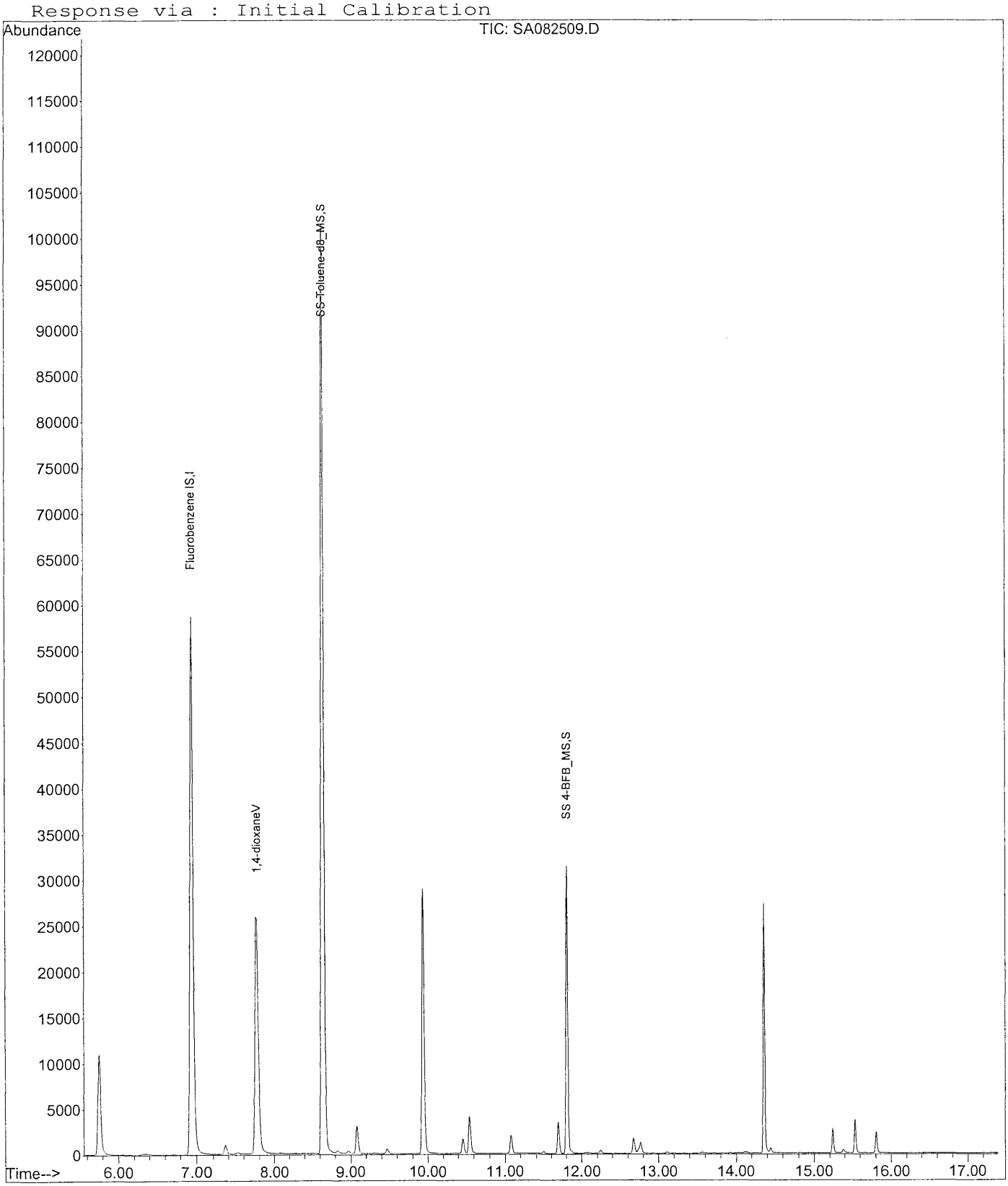
Rerun X10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082509.D Vial: 8
Acq On : 25 Aug 2010 2:23 pm Operator:
Sample : 92049.17MSD Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:46 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2710\SA082714.D Vial: 14
Acq On : 27 Aug 2010 6:40 pm Operator:
Sample : 92049.18 Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04:43 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

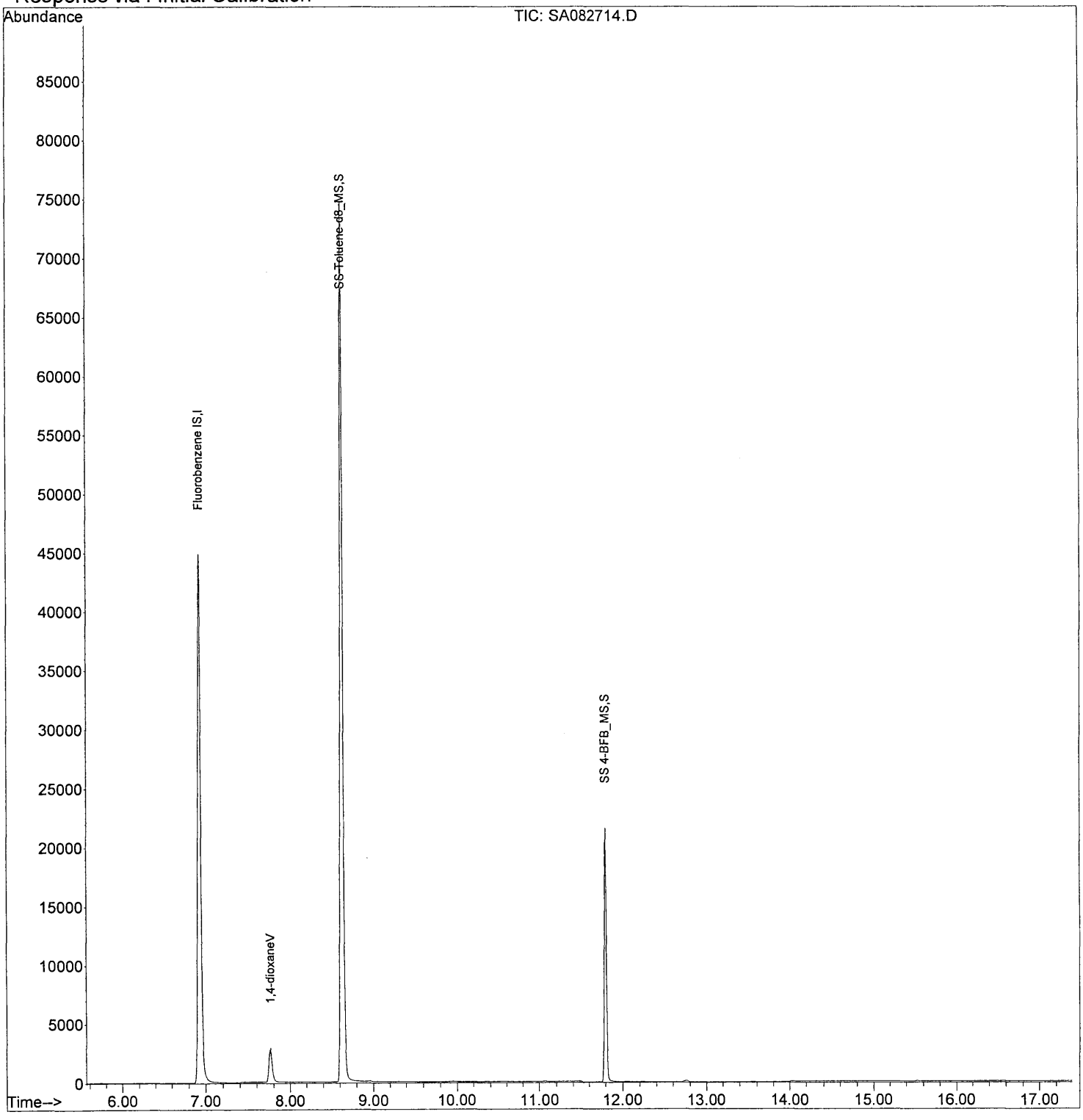
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	111123	10.000	ug/L	-0.02
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.62	98	115949	10.12	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.21%			
4) SS 4-BFB_MS	11.80	95	36554	10.39	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.93%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	5022	~~8.911~~	ug/L	95

8/30/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082714.D 2SIM0525.M Mon Aug 30 10:04:44 2010

Data File : V:\1\DATA\AUG2710\SA082714.D Vial: 14
Acq On : 27 Aug 2010 6:40 pm Operator:
Sample : 92049.18 Inst : VOAMS2
Misc : X10;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082415.D Vial: 14
Acq On : 24 Aug 2010 9:03 pm Operator:
Sample : 92049.18 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:13:03 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	155675	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.62	98	166498	10.37	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.74%			
4) SS 4-BFB_MS	11.80	95	52034	10.56	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.60%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	42975	54.429	ug/L	94

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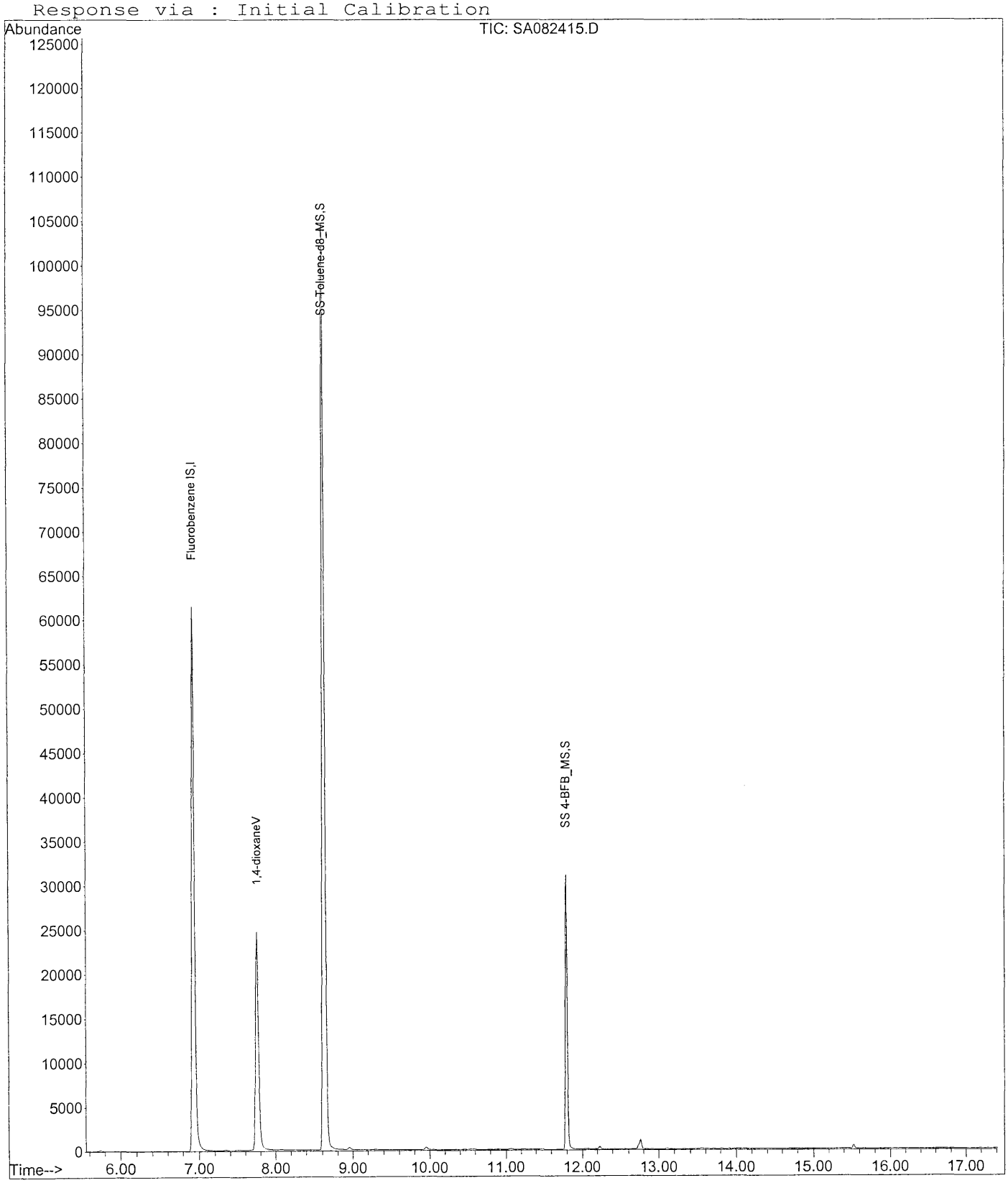
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082415.D Vial: 14
Acq On : 24 Aug 2010 9:03 pm Operator:
Sample : 92049.18 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:12 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2710\SA082712.D Vial: 12
Acq On : 27 Aug 2010 5:04 pm Operator:
Sample : 92049.21 Inst : VOAMS2
Misc : X1;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04:35 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

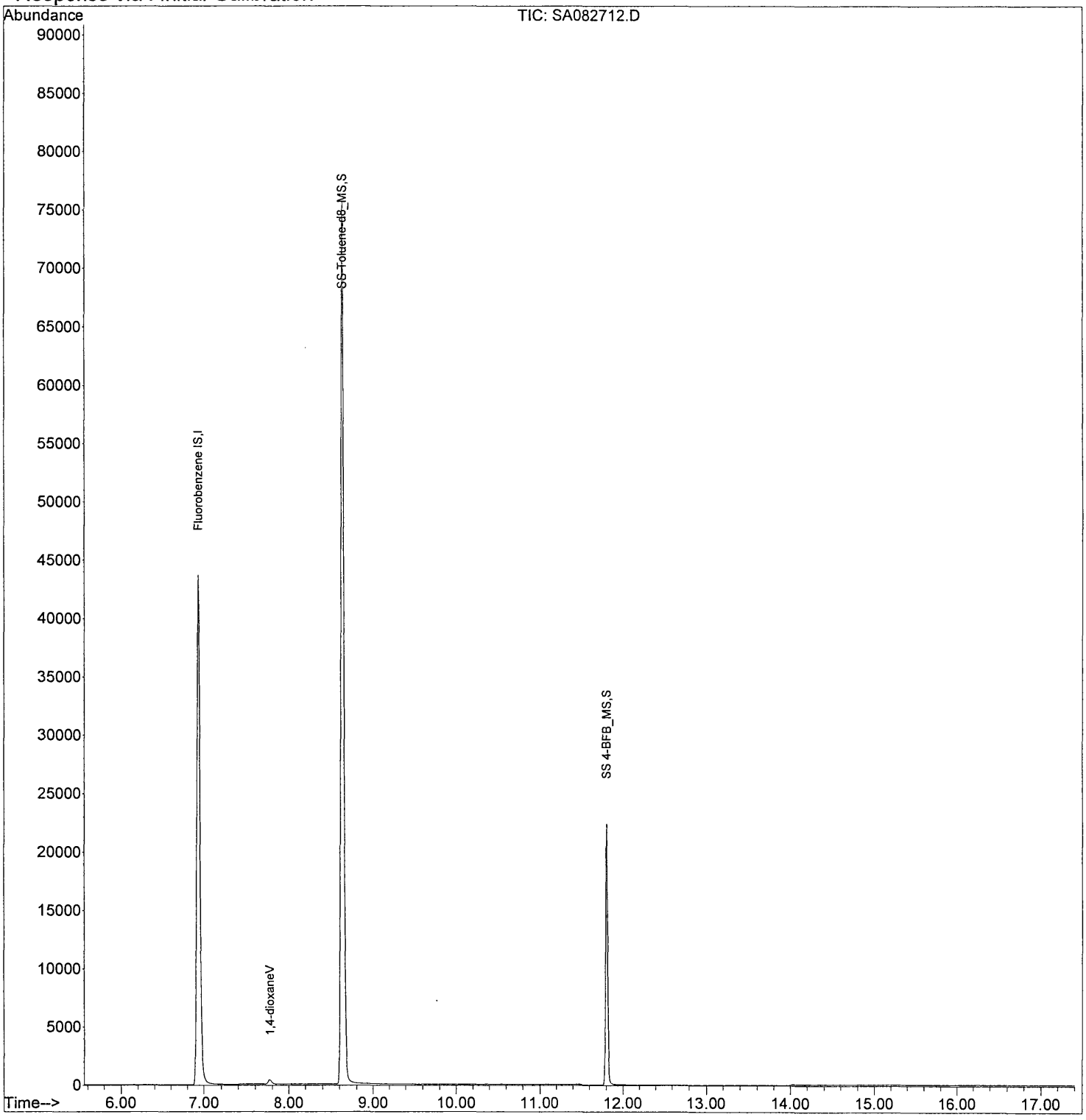
Internal Standards	R.T.	Qlon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	116751	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	121773	10.12	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.17%			
4) SS 4-BFB_MS	11.80	95	37834	10.24	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.38%			
Target Compounds				Qvalue		
2) 1,4-dioxaneV	7.77	88	746	1.260	ug/L	91

8/30/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082712.D 2SIM0525.M Mon Aug 30 10:04:36 2010

Data File : V:\1\DATA\AUG2710\SA082712.D Vial: 12
Acq On : 27 Aug 2010 5:04 pm Operator:
Sample : 92049.21 Inst : VOAMS2
Misc : X1;5mL RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 10:04 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082416.D Vial: 15
Acq On : 24 Aug 2010 9:50 pm Operator:
Sample : 92049.21 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 08:13:04 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	154251	10.000	ug/L	-0.02
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.62	98	162059	10.19	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.91%			
4) SS 4-BFB_MS	11.80	95	50894	10.42	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.24%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	1119	1.430	ug/L	99

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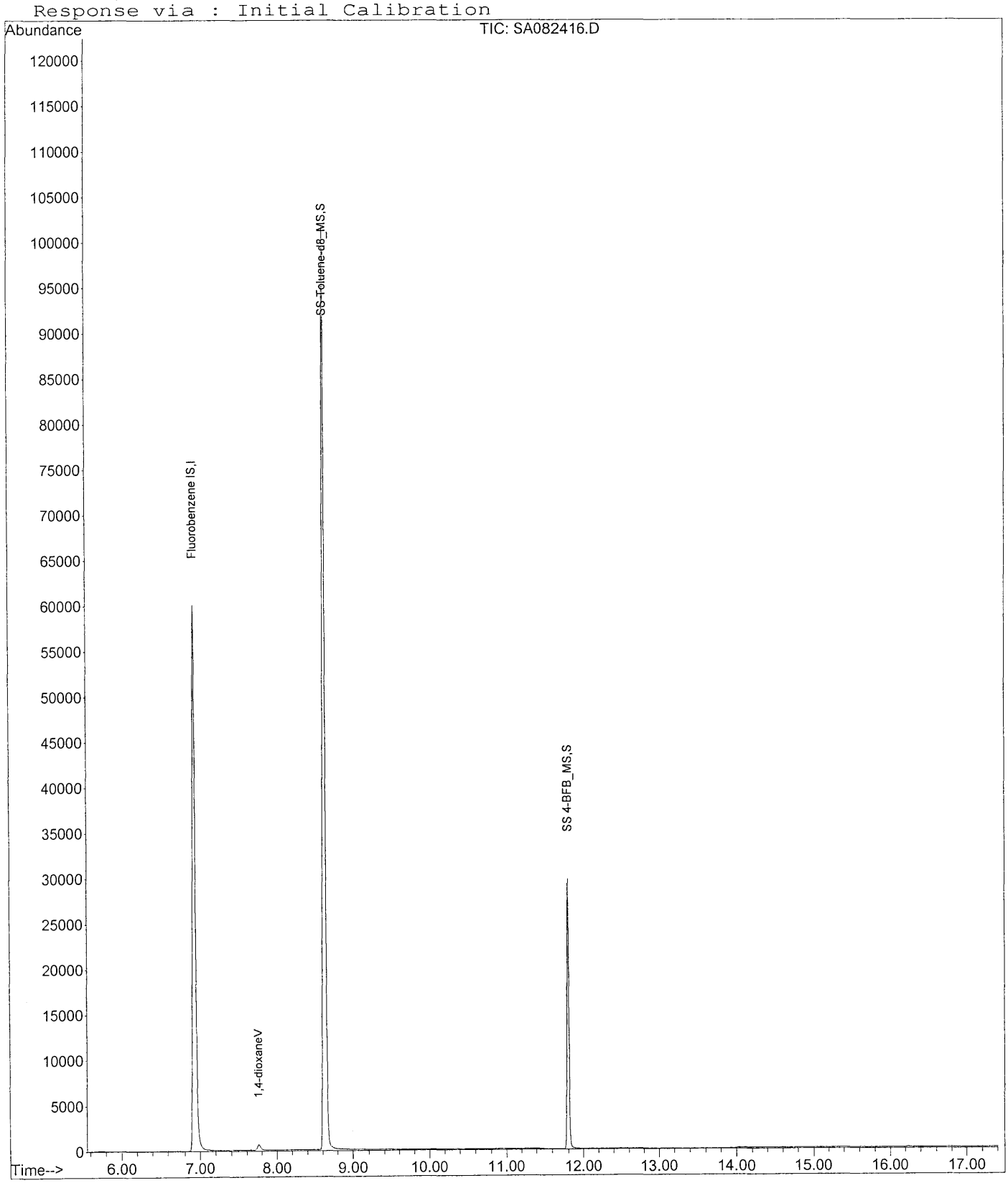
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2410\SA082416.D Vial: 15
Acq On : 24 Aug 2010 9:50 pm Operator:
Sample : 92049.21 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 8:12 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



504/8011

Initial Calibration

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

EDB/DBCP PrepLog (EPA 504/8011)

Batch ID: A081910EDB1 Start Time/Date: 8:00 8/19/10 Stop Time/Date: 8:00 8/20/10

Matrix: Aqueous Prep Type: Micro-extraction

#	Sample ID:	Sample Volume (mL)	Vol of Surrogate(A) (uL)	Vol of MDL Spike(B) (uL)	Vol of LFB Spike(C) (uL)	Vol of Calibration(D) (uL)	Hexane Final Volume (mL)	Sample Prep/Sample Extract Notes	LIMS (√)	Date	Analyst
1	LCSa A081910EDB1	35	5	-	14	-	2			8/19/10	
2	LCSD			-	14	-					
3	MBLa			35	-	-					
4	BLNK			-	-	-					
5	EDB 0.01 ug/L		-	-	-	35					
6	0.02		-	-	-						
7	0.05		-	-	-						
8	0.075		-	-	-						
9	0.1		-	-	-						
10	0.25		-	-	-						
11	91932.01	35	5	-	-	-	2			8/19/10	
12	.03			-	-	-					
13	91943.07			-	-	-					
14	.09			-	-	-					
15	91964.01			-	-	-					
16	.02			-	-	-					
17	91995.01			-	-	-					
18	.03			-	-	-					
19	92028.01	35	5	-	-	-	2			8/20/10	
20	.02			-	-	-					
21	.03			-	-	-					
22	.04			-	-	-					
23											
24											
25								8/20/10			
26											
27											
28											
29											
30											

A Surrogate Lot#: 5377 Expiration Date: 9-18-10
B MDL Spike Lot#: 20046 Expiration Date: 4-1-12
C LFB Spike Lot#: 19963 Expiration Date: 5-21-12
D Calibration Lot#: 5383 Expiration Date: 9-18-10

Hexane Lot#: 50083
Salt Lot#: 20060

EDB/HAA Instrument Run Log

Date: 8/19/10 Analyst: [signature] Data Folder: 081910

Vial	Sample Name	Dilution	Quant Method	Comments	Data File
100	HEXANE				8V12058-6C
1	EDB 0.01 ug/L		EDB08190.M	✓	61
2	0.02			✓	62
3	0.05			✓	63
4	0.075			✓	64
5	0.1			✓	65
6	0.25			✓	66
7	LCSaA081910EDB1			✓	67
8	LCSD			✓	68
9	MBLA			✓	69
10	BLNK			✓	70
11	91932.01			✓	71
12	91932.03			✓	72
13	91943.07			✓	73
14	.09			✓	74
15	91964.01			✓	75
16	.02			✓	76
17	91995.01			✓	77
18	.03			✓	78
1	EDB 0.1 ug/L			✓	79
100	HEXANE				80
1	EDB 0.1 ug/L			✓	81
2	92028.01			✓	82
3	.02			✓	83
4	.03			✓	84
5	.04 .06 8/20/10			✓	85
1	EDB 0.1 ug/L			✓	86

8/20/10

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12061.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12061.D\ECD2B.CH
Acq On : 19 Aug 2010 7:52 am Operator:
Sample : EDB 0.01 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:41 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:41:19 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.59	1392	1753	0.010	0.012
Spiked Amount 0.100	Range 65 - 135		Recovery =		10.00%#	12.00%#
Target Compounds						
1) TM EDB	1.90	2.31	990	781	0.012m	0.010
3) TM DBCP	3.93	4.36	1044	915	0.011	0.011m

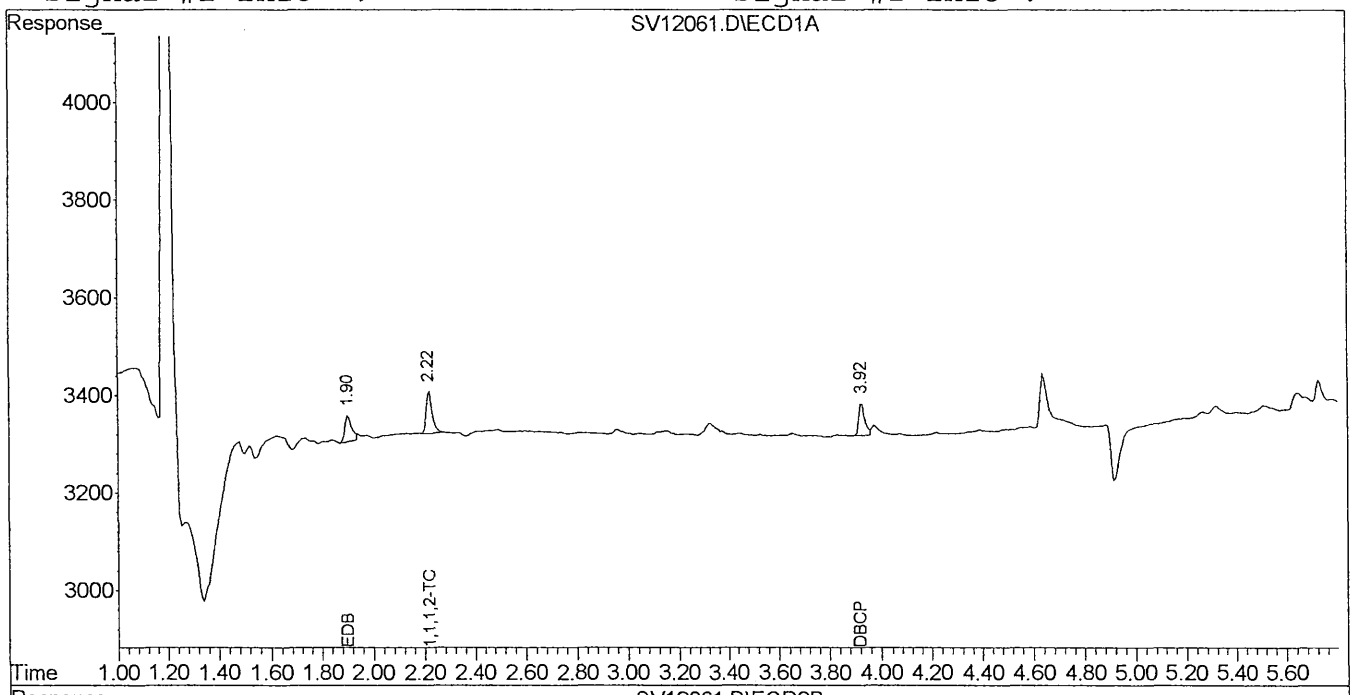
08/24/10

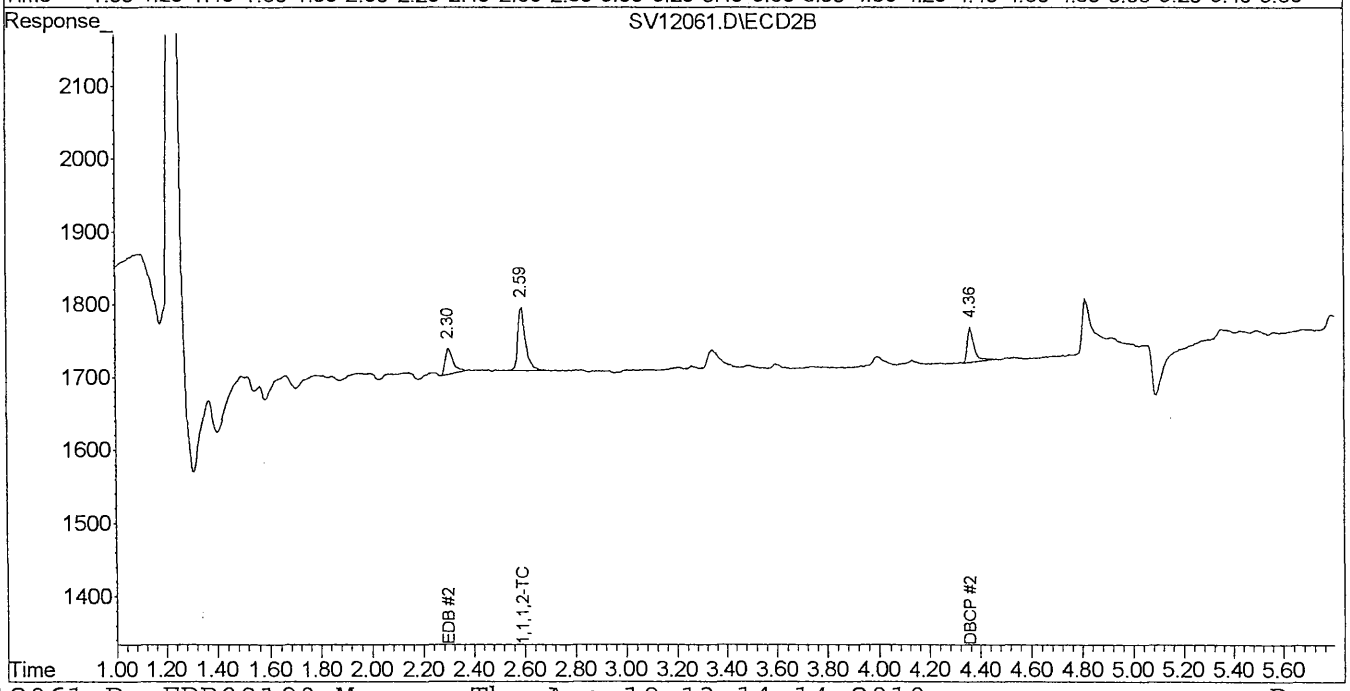
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12061.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12061.D\ECD2B.CH
Acq On : 19 Aug 2010 7:52 am Operator:
Sample : EDB 0.01 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:41 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:41:19 2010
Response via : Single Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12062.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12062.D\ECD2B.CH
Acq On : 19 Aug 2010 8:07 am Operator:
Sample : EDB 0.02 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:42 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:42:23 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

8/20/10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	3006	3295	0.022	0.021
Spiked Amount 0.100	Range 65 - 135		Recovery =		22.00%#	21.00%#
Target Compounds						
1) TM EDB	1.90	2.31	1796	1624	0.021m	0.021m
3) TM DBCP	3.93	4.36	2078	1887	0.021	0.022m

08/24/10

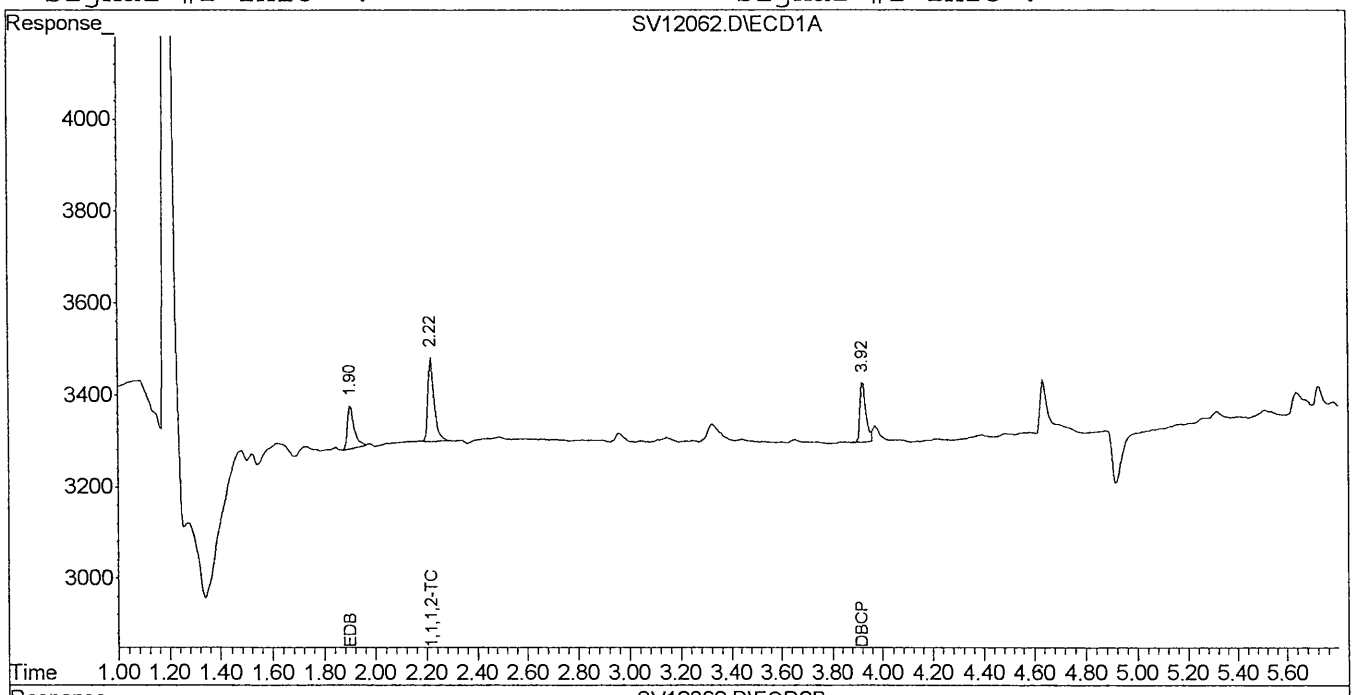
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

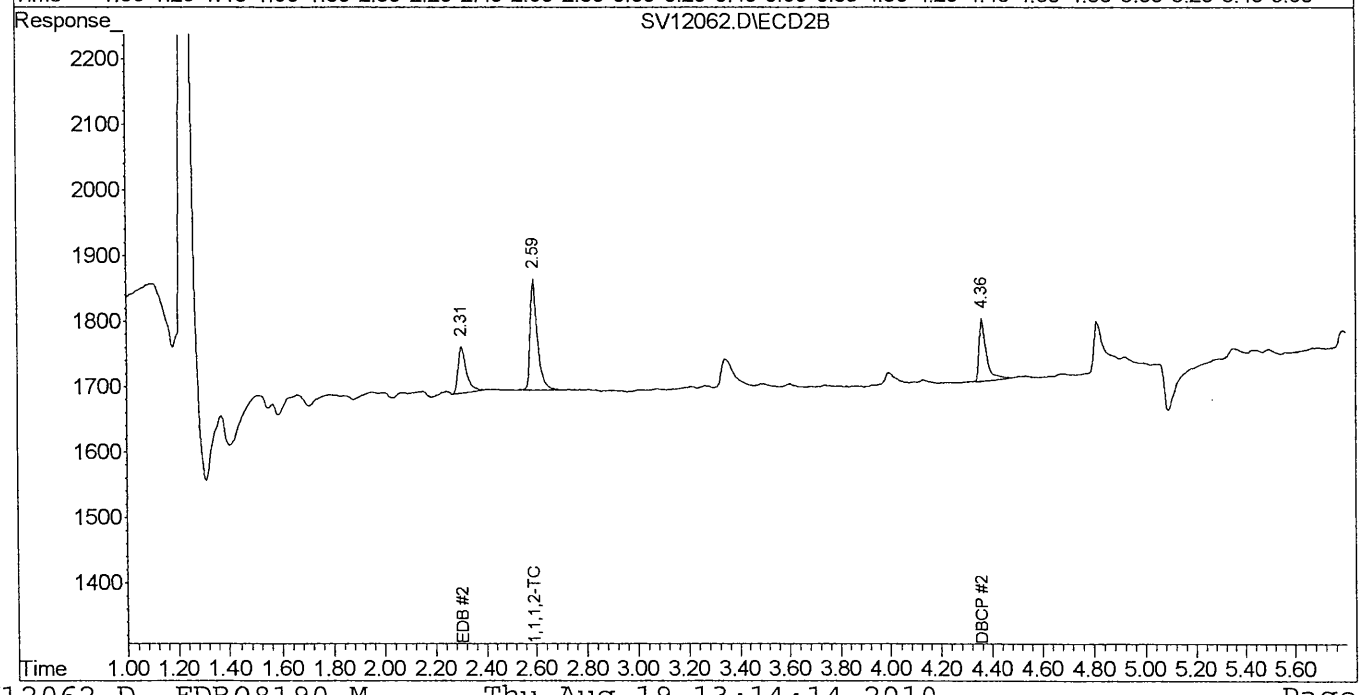
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12062.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12062.D\ECD2B.CH
Acq On : 19 Aug 2010 8:07 am Operator:
Sample : EDB 0.02 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:42 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:42:23 2010
Response via : Single Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12063.D\ECD1A.CH Vial: 3
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12063.D\ECD2B.CH
Acq On : 19 Aug 2010 8:22 am Operator:
Sample : EDB 0.05 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:43 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:43:13 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	6885	7540	0.050	0.050
Spiked Amount 0.100	Range 65 - 135		Recovery =		50.00%#	50.00%#
Target Compounds						
1) TM EDB	1.91	2.31	4030	3845	0.050	0.050
3) TM DBCP	3.93	4.36	4717	4211	0.050	0.050

08241D

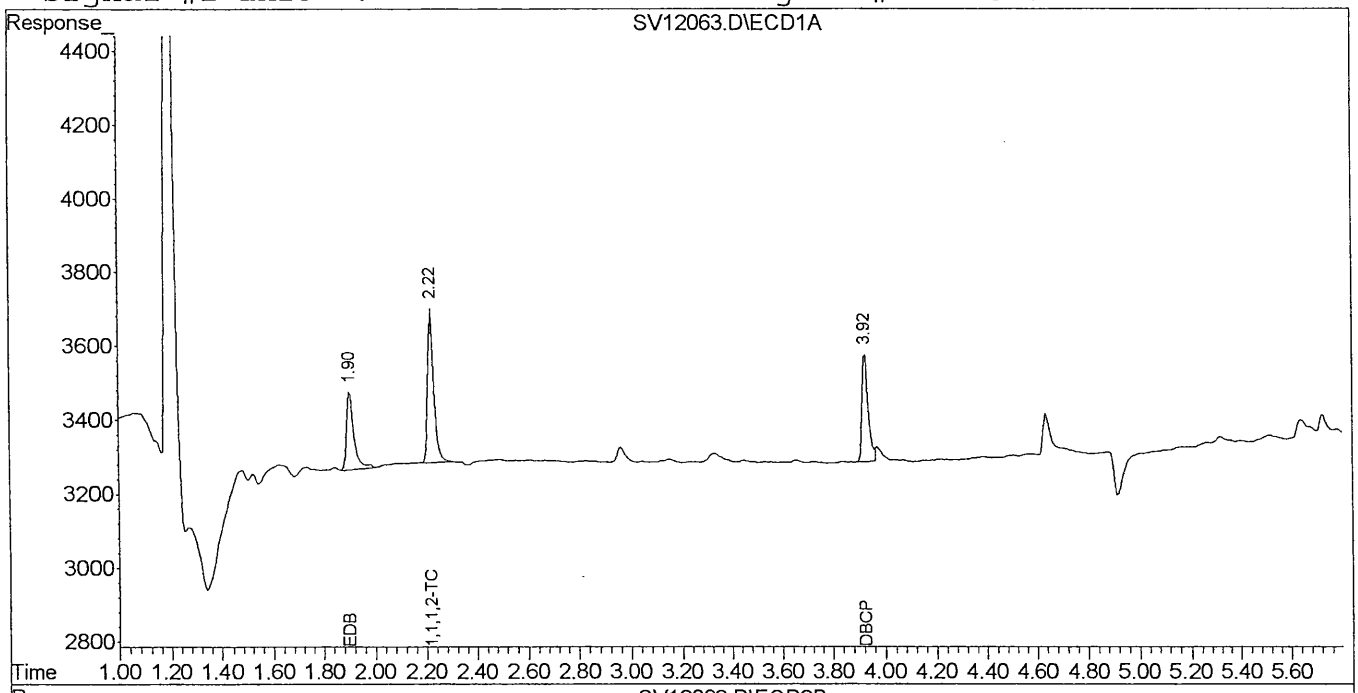
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

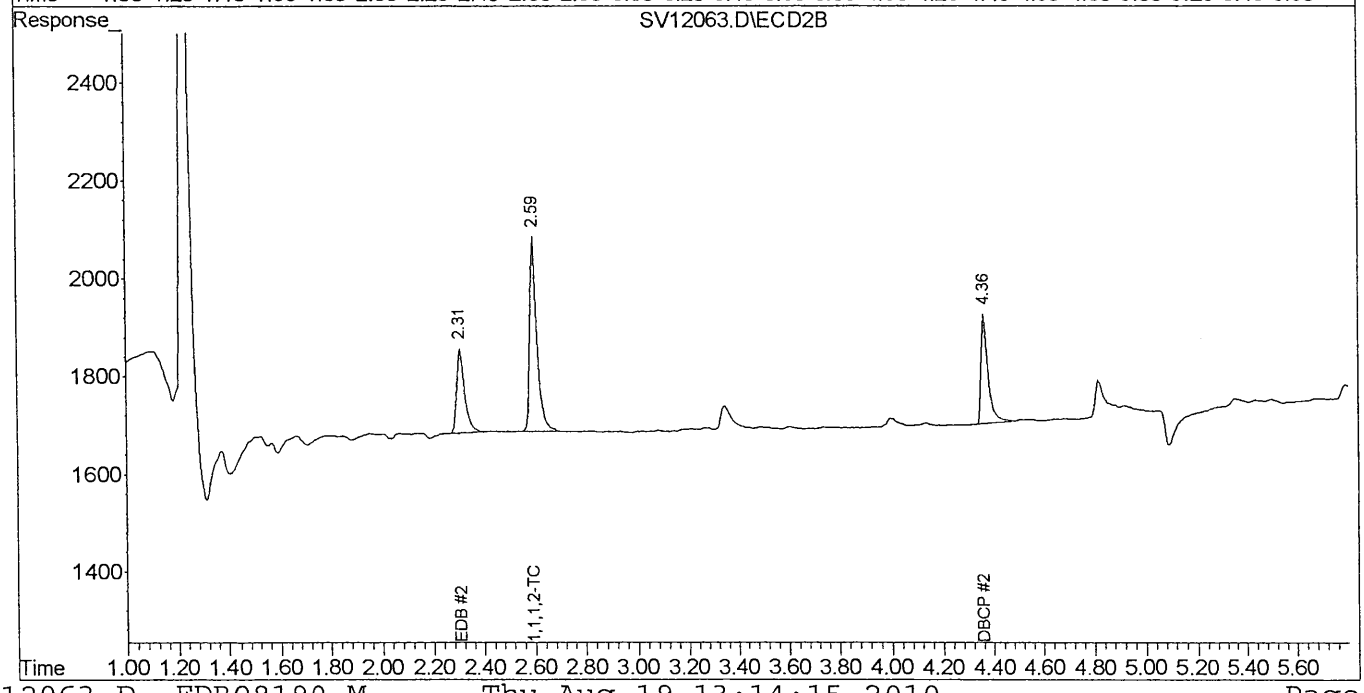
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12063.D\ECD1A.CH Vial: 3
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12063.D\ECD2B.CH
Acq On : 19 Aug 2010 8:22 am Operator:
Sample : EDB 0.05 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:43 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:43:13 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12064.D\ECD1A.CH Vial: 4
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12064.D\ECD2B.CH
Acq On : 19 Aug 2010 8:37 am Operator:
Sample : EDB 0.075 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:44 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:43:47 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	9932	11089	0.072	0.075
Spiked Amount 0.100	Range 65 - 135		Recovery =		72.00%	75.00%
Target Compounds						
1) TM EDB	1.91	2.31	5474	5671	0.069	0.074
3) TM DBCP	3.92	4.37	6860	6179	0.073m	0.074

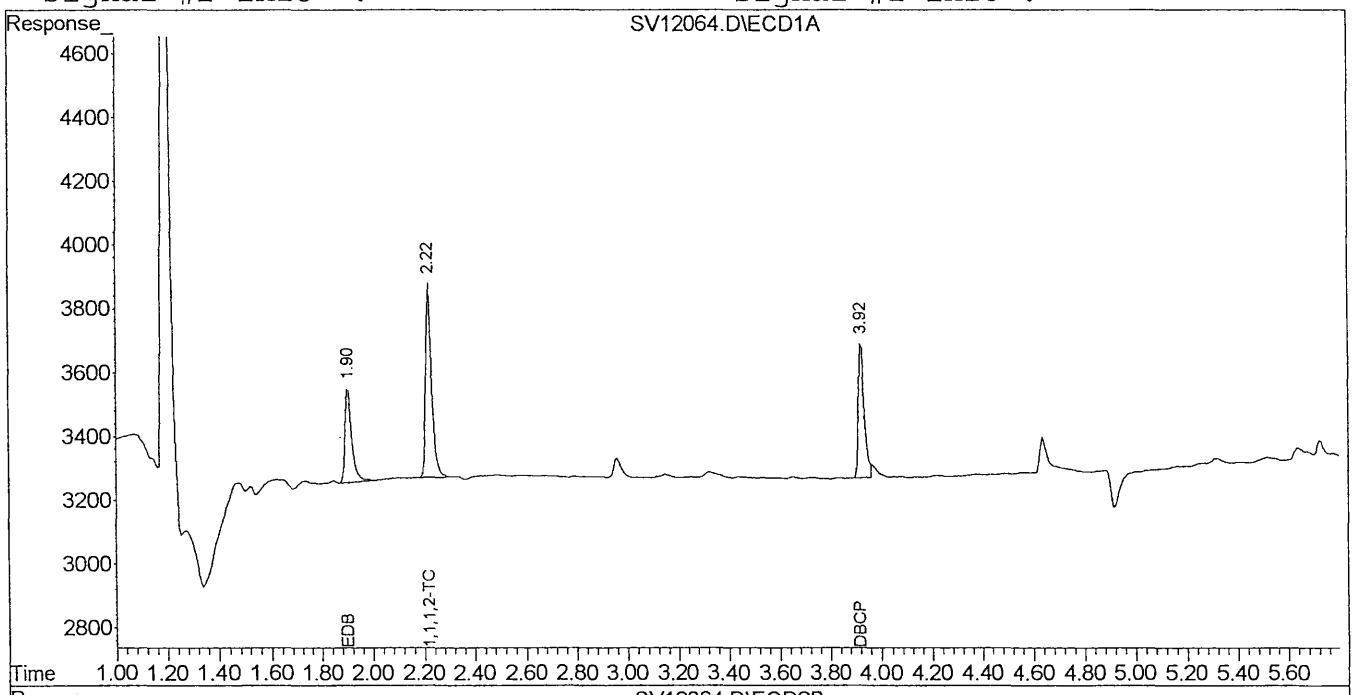
08245

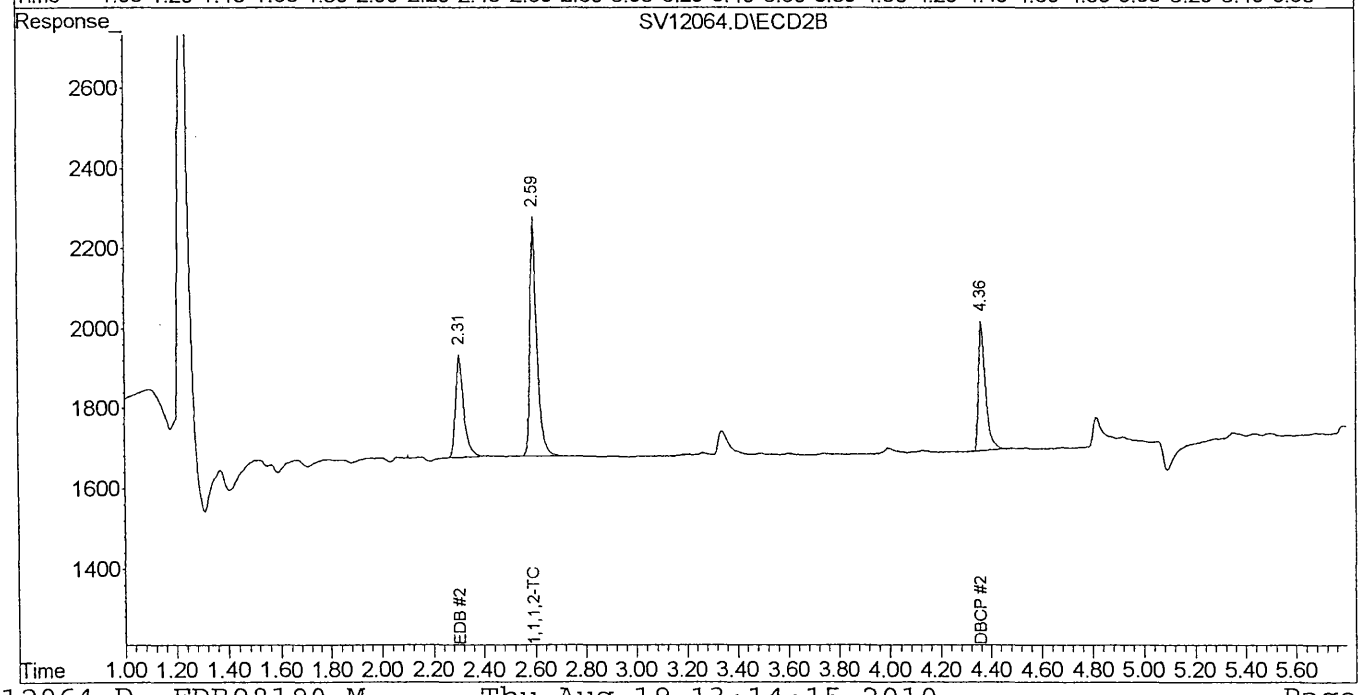
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12064.D\ECD1A.CH Vial: 4
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12064.D\ECD2B.CH
Acq On : 19 Aug 2010 8:37 am Operator:
Sample : EDB 0.075 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:44 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:43:47 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12065.D\ECD1A.CH Vial: 5
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12065.D\ECD2B.CH
Acq On : 19 Aug 2010 8:59 am Operator:
Sample : EDB 0.1 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:57 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:44:23 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	13460	15257	0.101	0.104
Spiked Amount 0.100	Range 65 - 135		Recovery =		101.00%	104.00%
Target Compounds						
1) TM EDB	1.91	2.31	7156	7908	0.098	0.105
3) TM DBCP	3.92	4.37	9117	8297	0.100m	0.101

OP 8/24/10

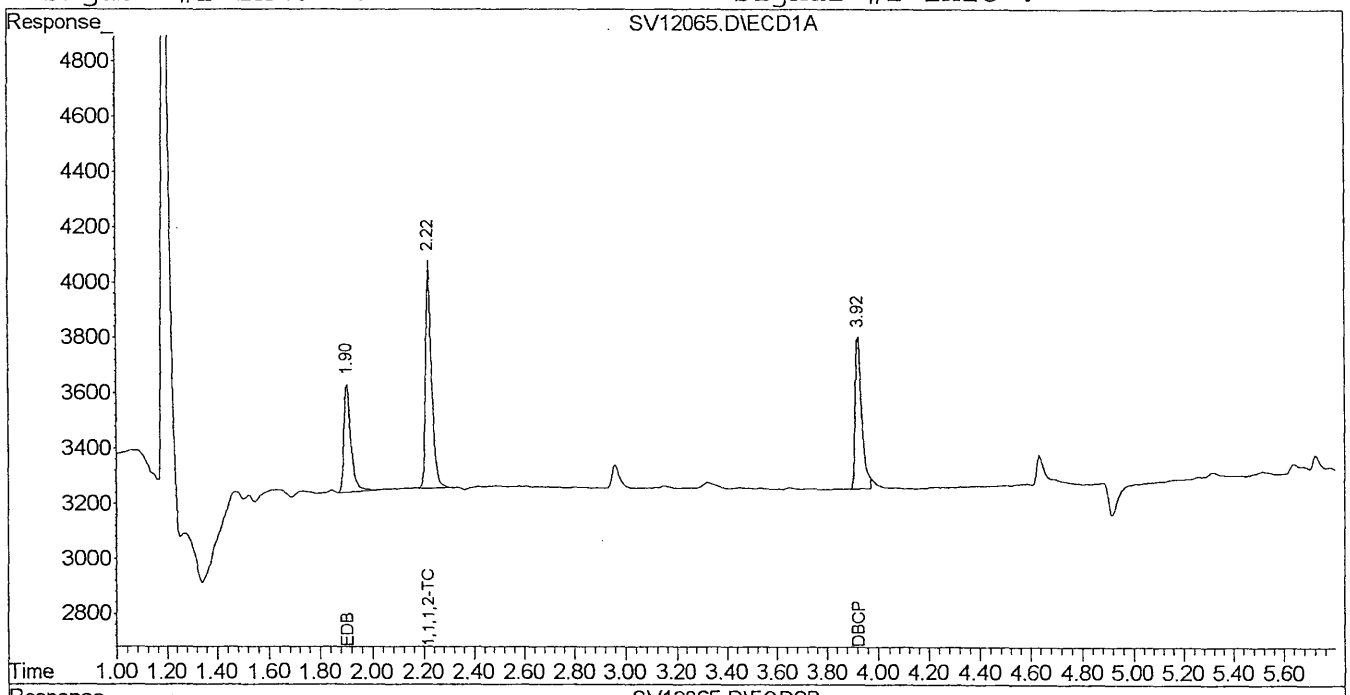
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

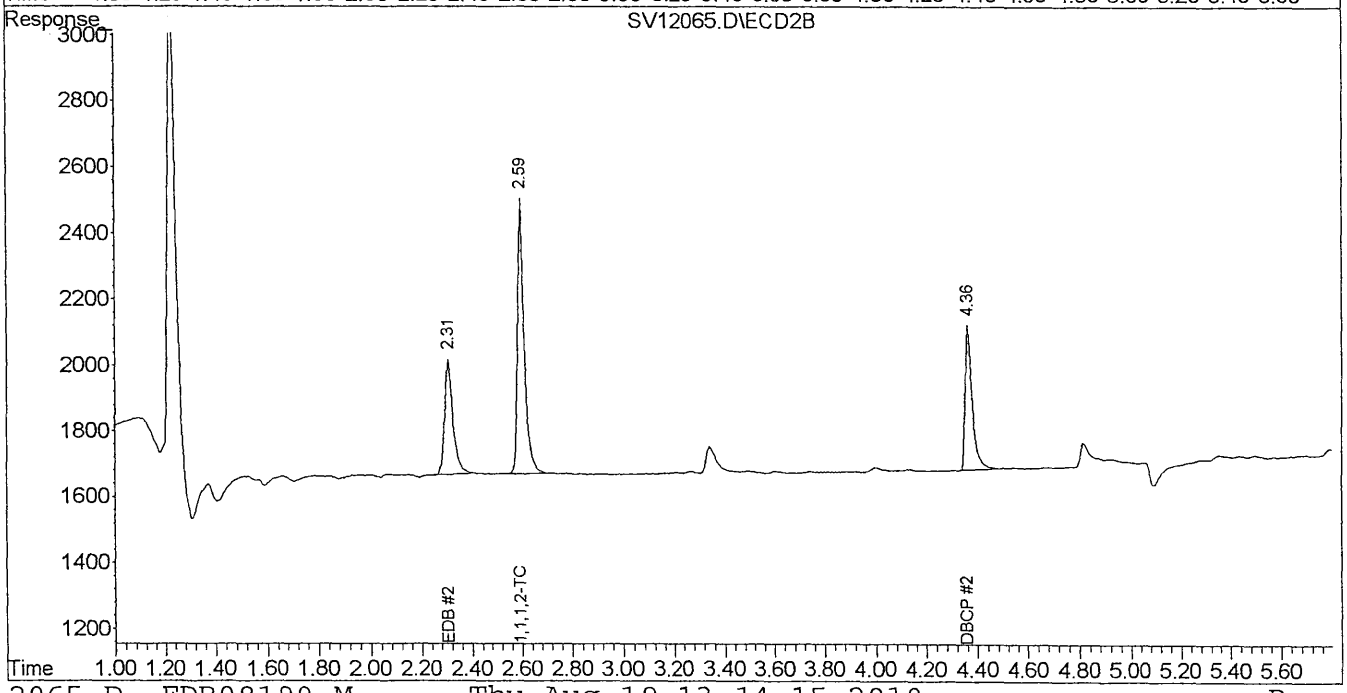
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12065.D\ECD1A.CH Vial: 5
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12065.D\ECD2B.CH
Acq On : 19 Aug 2010 8:59 am Operator:
Sample : EDB 0.1 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 8:57 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:44:23 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12066.D\ECD1A.CH Vial: 6
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12066.D\ECD2B.CH
Acq On : 19 Aug 2010 9:14 am Operator:
Sample : EDB 0.25 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 9:14 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:57:25 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	29124	36076	0.219	0.242
Spiked Amount 0.100	Range 65 - 135			Recovery =	219.00%#	242.00%#
Target Compounds						
1) TM EDB	1.90	2.31	15534	18187	0.222m	0.234
3) TM DBCP	3.93	4.36	20484	19544	0.228	0.239m

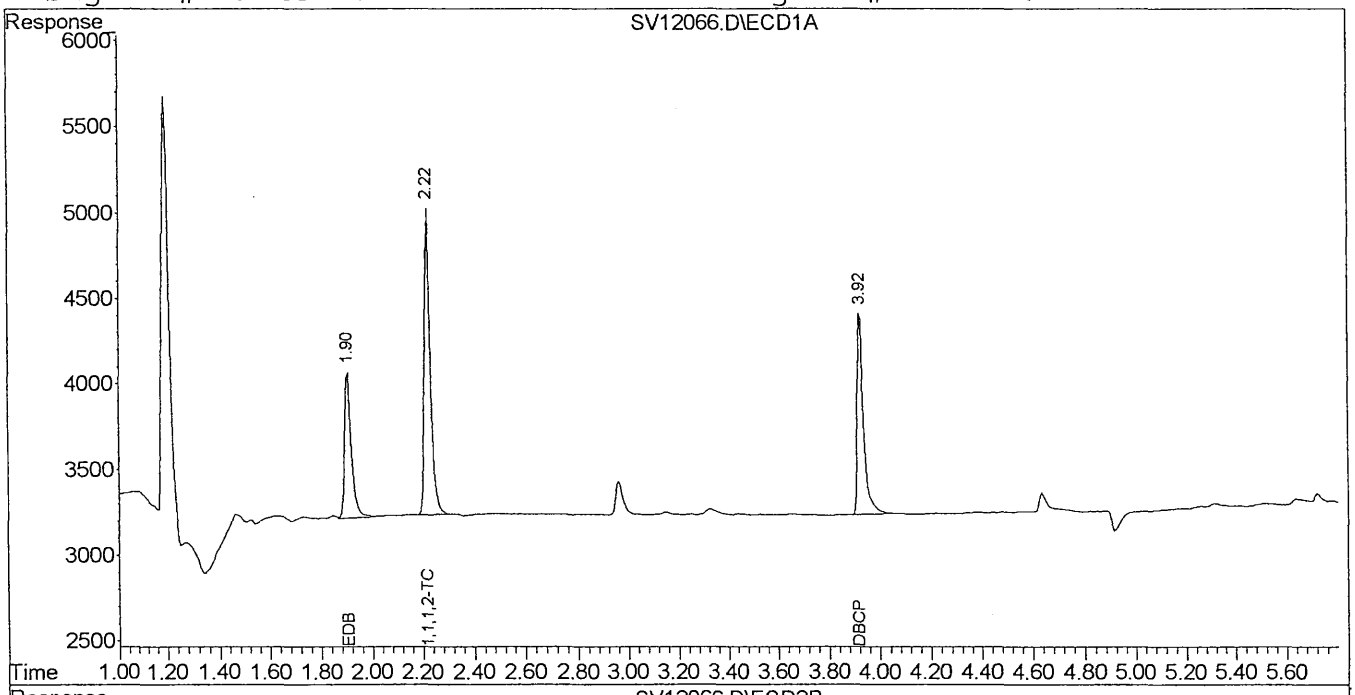
08/19/10

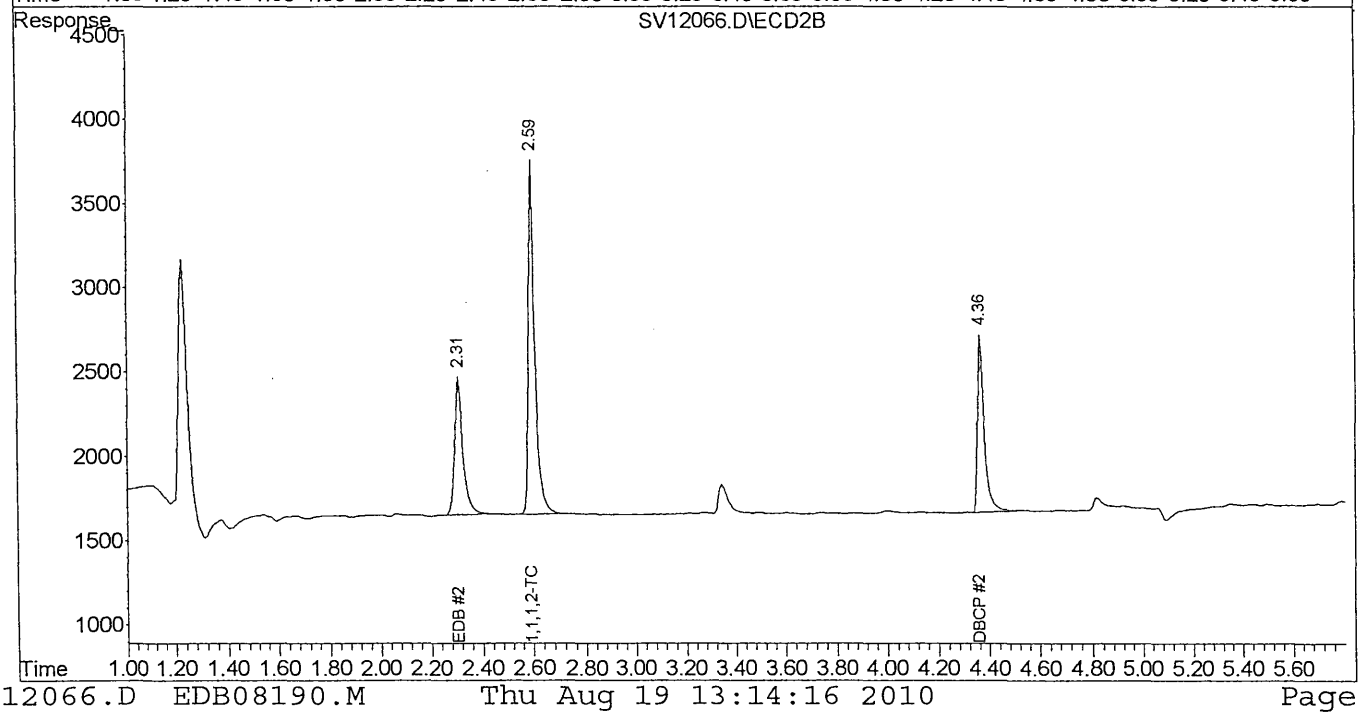
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

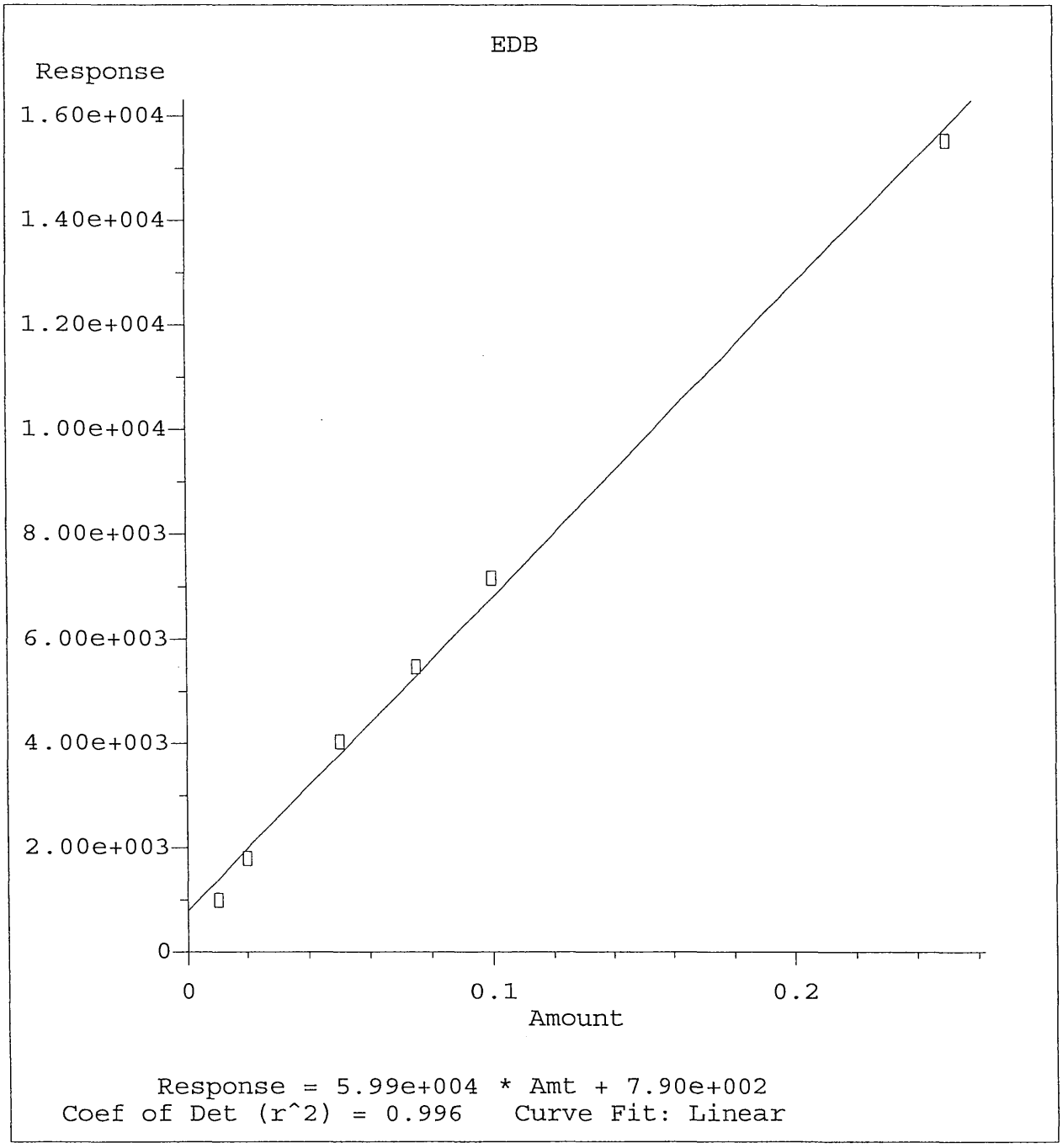
Signal #1 : D:\HPCHEM\1\DATA\081910\SV12066.D\ECD1A.CH Vial: 6
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12066.D\ECD2B.CH
Acq On : 19 Aug 2010 9:14 am Operator:
Sample : EDB 0.25 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 9:14 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 08:57:25 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

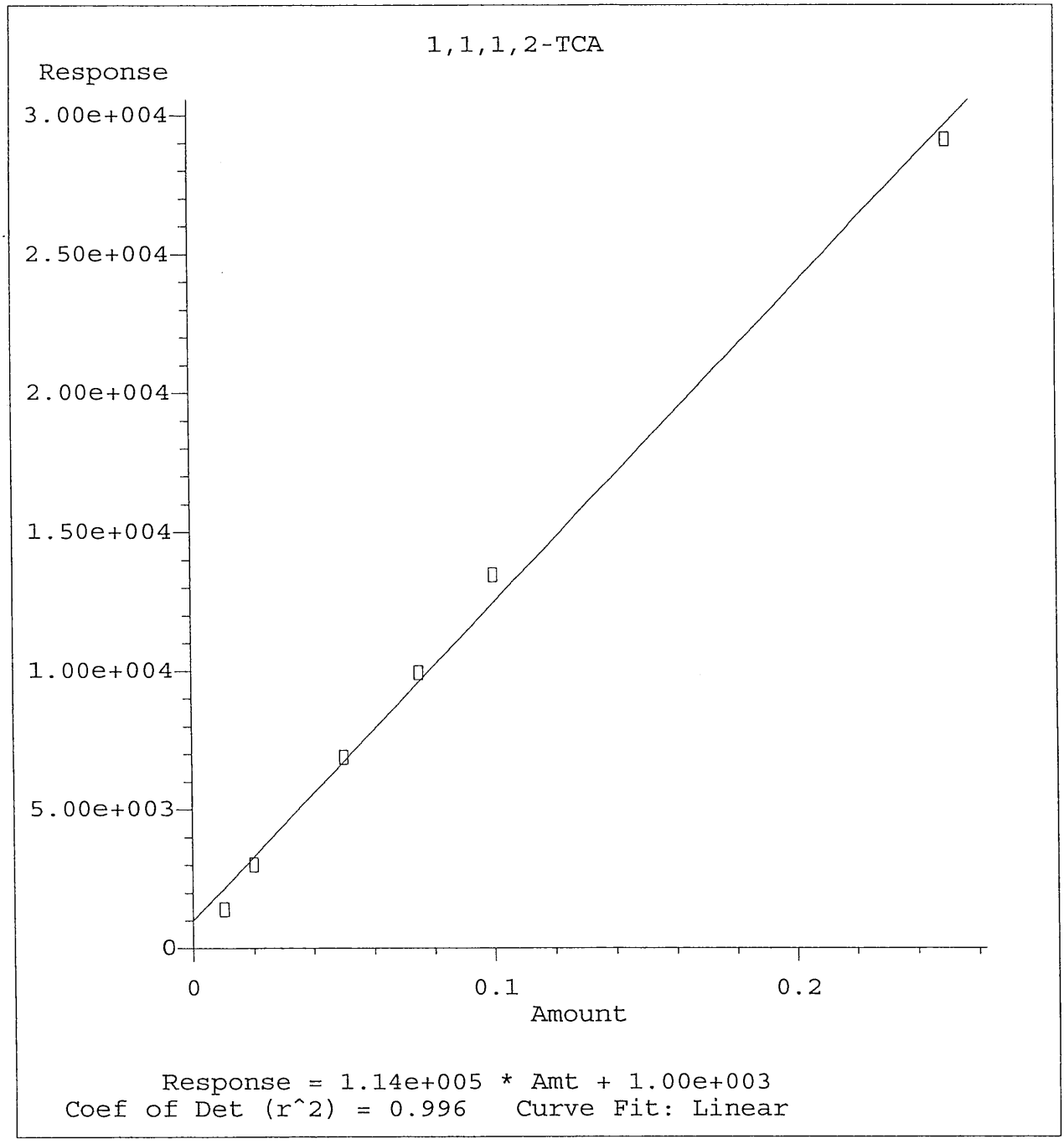
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



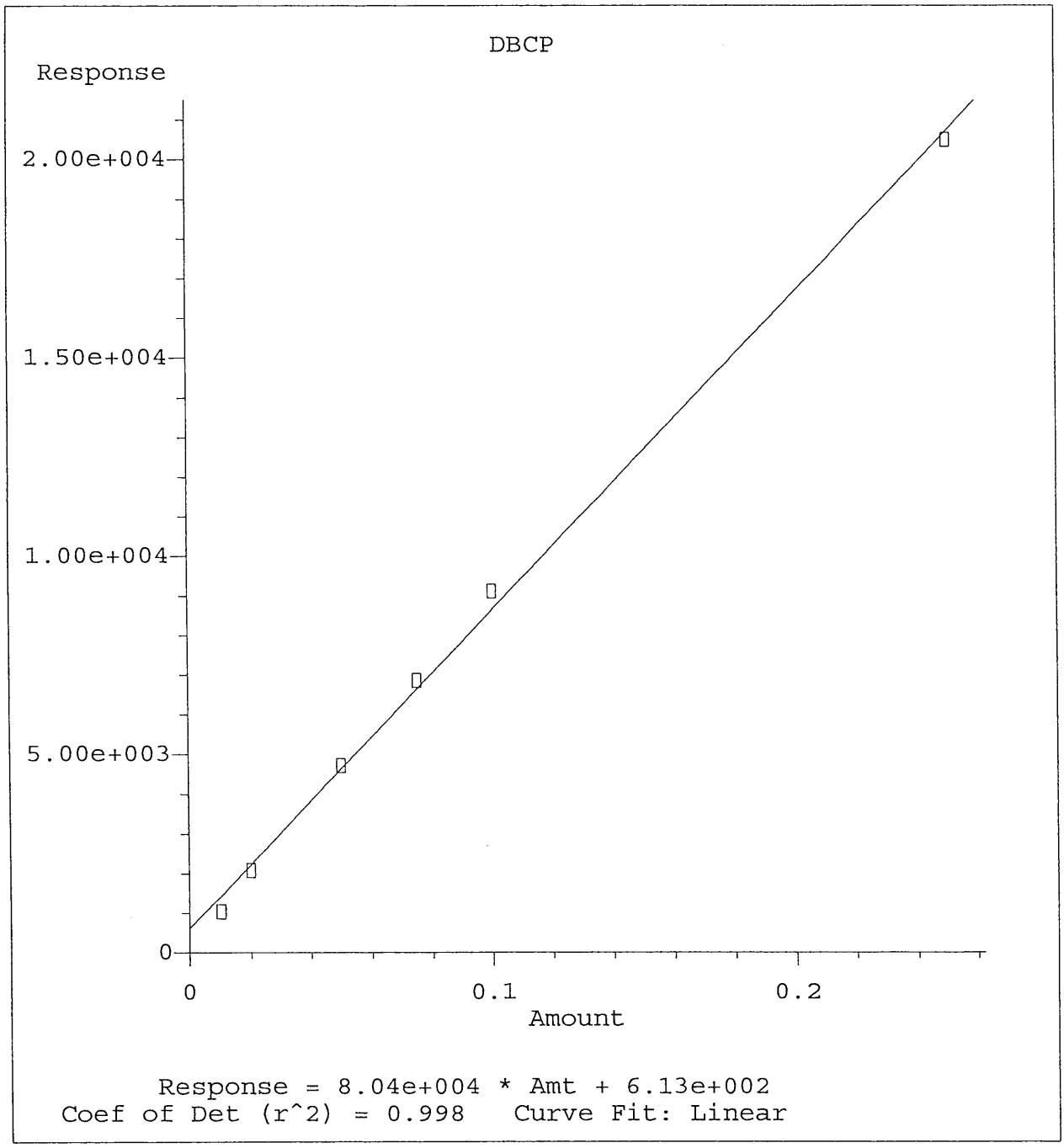




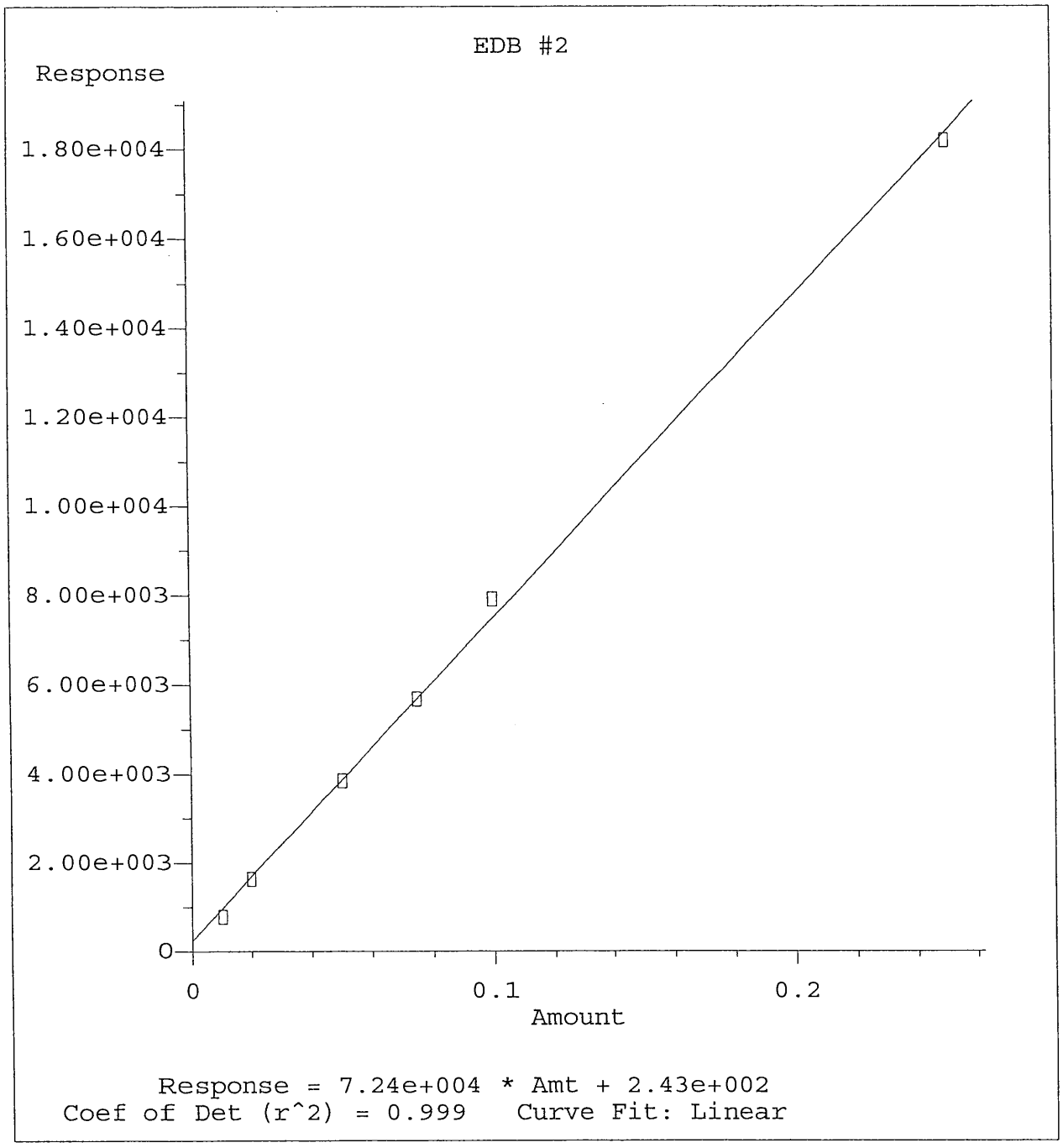
Method Name: D:\HPCHEM\1\METHODS\EDB08190.M
Calibration Table Last Updated: Thu Aug 19 10:20:12 2010



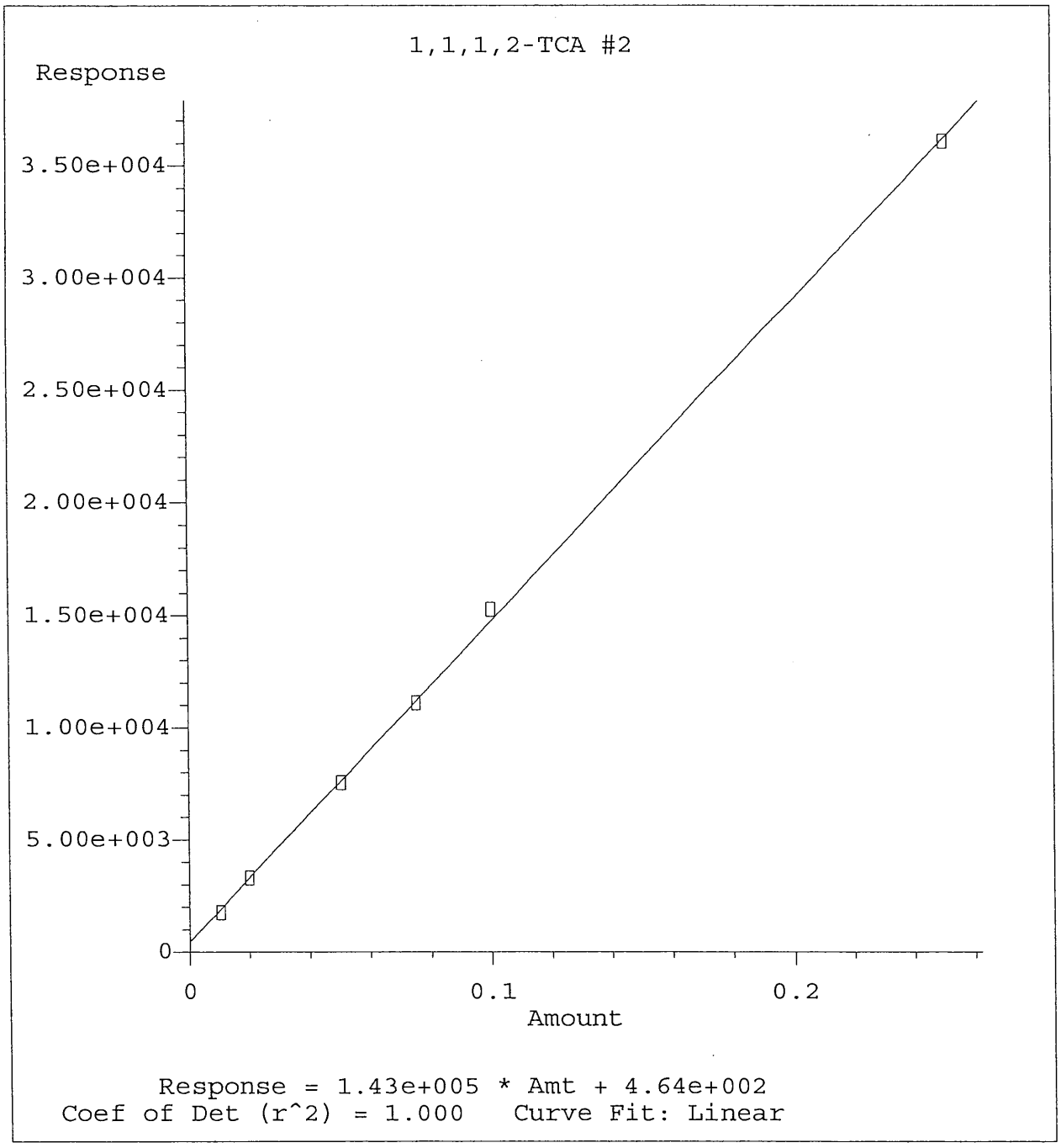
Method Name: D:\HPCHEM\1\METHODS\EDB08190.M
Calibration Table Last Updated: Thu Aug 19 10:20:12 2010



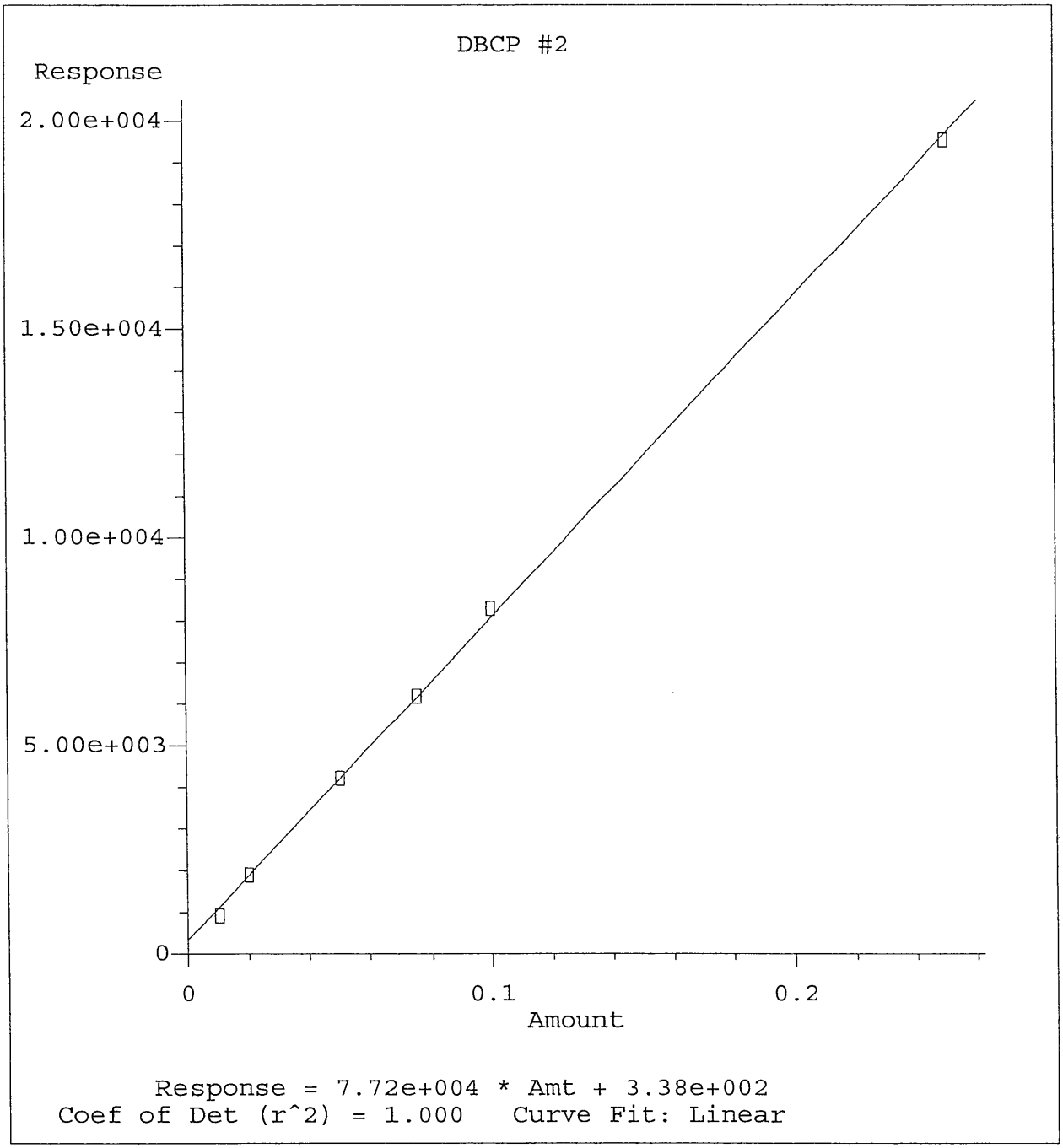
Method Name: D:\HPCHEM\1\METHODS\EDB08190.M
Calibration Table Last Updated: Thu Aug 19 10:20:12 2010



Method Name: D:\HPCHEM\1\METHODS\EDB08190.M
Calibration Table Last Updated: Thu Aug 19 10:20:12 2010



Method Name: D:\HPCHEM\1\METHODS\EDB08190.M
Calibration Table Last Updated: Thu Aug 19 10:20:12 2010



Method Name: D:\HPCHEM\1\METHODS\EDB08190.M
Calibration Table Last Updated: Thu Aug 19 10:20:12 2010

Spike Recovery and RPD Summary Report - WATER

Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Initial Calibration

Non-Spiked Sample: SV12070B.D

8/20/10

	Spike Sample	Spike Duplicate Sample
File ID :	SV12067Q.D	SV12068Q.D
Sample :	LCSaA081910EDB1	LCSDA081910EDB1
Acq Time:	19 Aug 2010 9:28 am	19 Aug 2010 9:43 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
EDB	0.0	0	0	0	113	117	3	20	70-130
DBCP	0.0	0	0	0	117	123	5	20	70-130
EDB #2	0.0	0	0	0	112	115	3	20	70-130
DBCP #2	0.0	0	0	0	107	111	3	20	70-130

- Fails Limit Check

EDB08190.M Thu Aug 19 13:13:51 2010

08240

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12067Q.D\ECD1A.CH Vial: 7
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12067Q.D\ECD2B.CH
Acq On : 19 Aug 2010 9:28 am Operator:
Sample : LCSaA081910EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	12239	13849	0.098	0.094
Spiked Amount 0.100	Range 65 - 135		Recovery =		98.00%	94.00%
Target Compounds						
1) TM EDB	1.91	2.31	7584	8340	0.113	0.112
3) TM DBCP	3.93	4.37	10032	8620	0.117	0.107

08/20/10

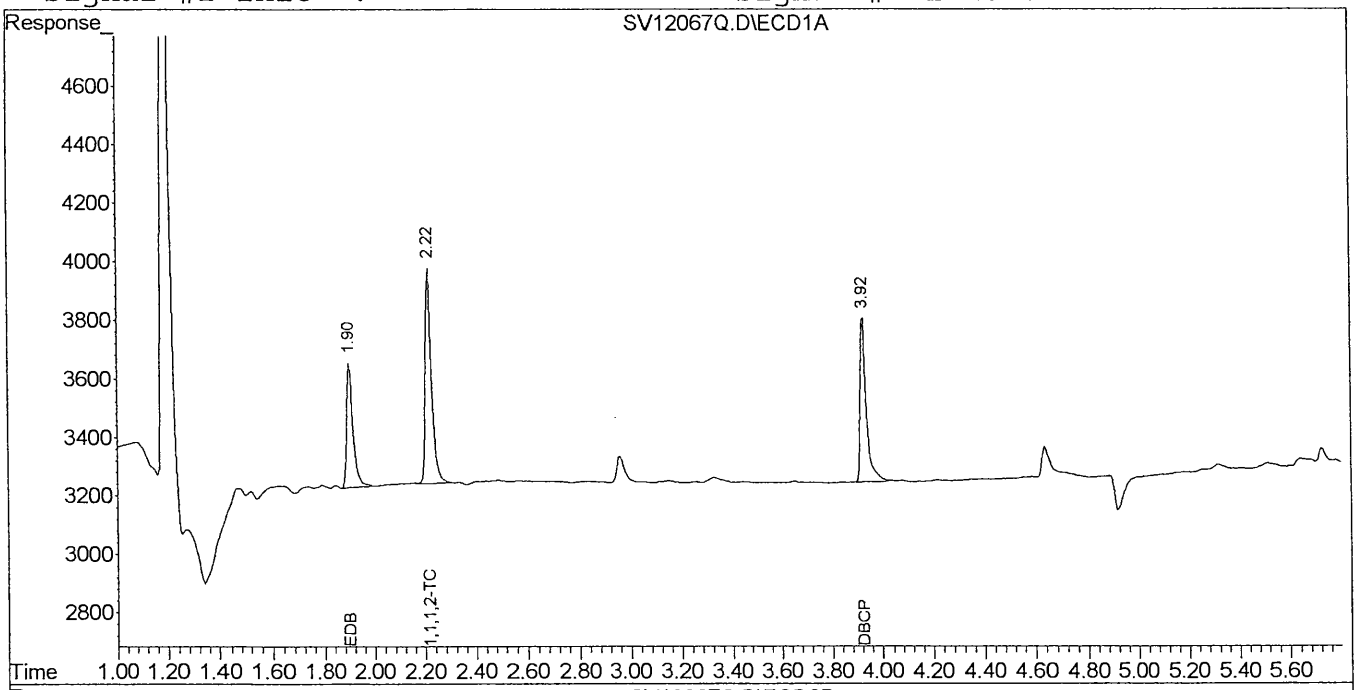
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

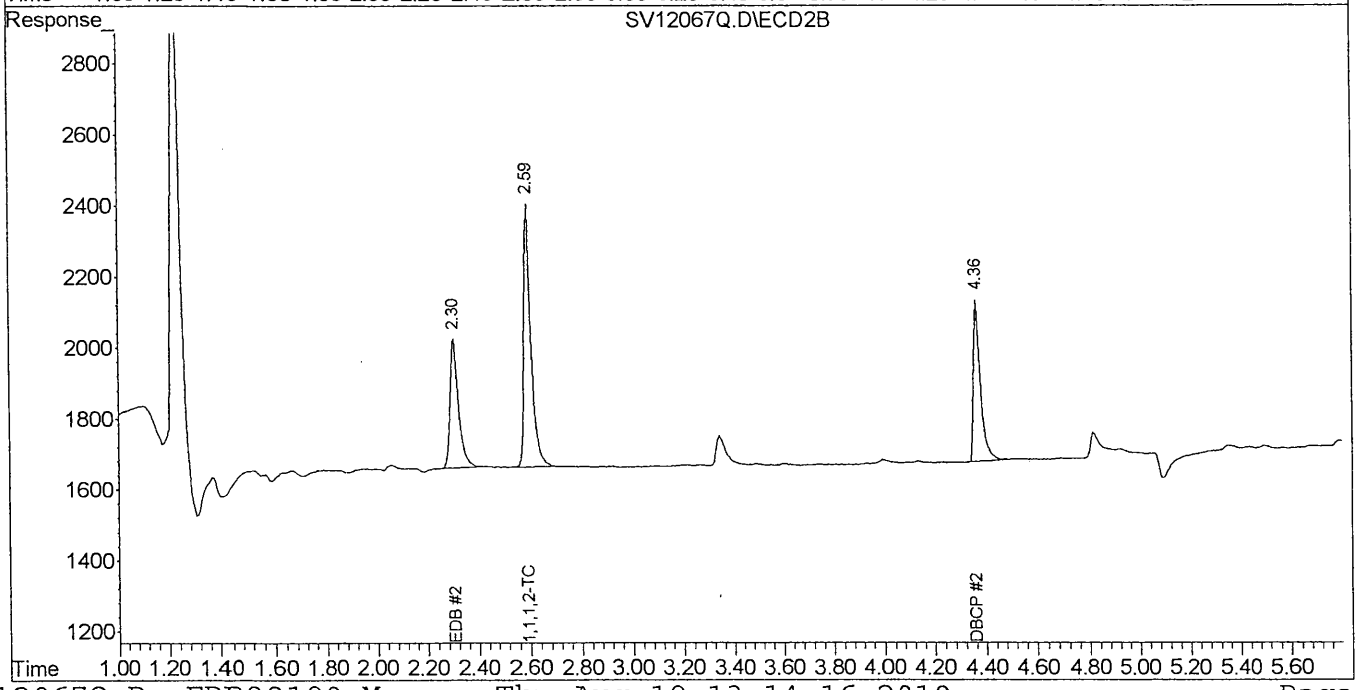
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12067Q.D\ECD1A.CH Vial: 7
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12067Q.D\ECD2B.CH
Acq On : 19 Aug 2010 9:28 am Operator:
Sample : LCSaA081910EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12068Q.D\ECD1A.CH Vial: 8
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12068Q.D\ECD2B.CH
Acq On : 19 Aug 2010 9:43 am Operator:
Sample : LCSDA081910EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.60	13281	15070	0.107	0.102
Spiked Amount 0.100	Range 65 - 135		Recovery =		107.00%	102.00%
Target Compounds						
1) TM EDB	1.91	2.31	7769	8588	0.117	0.115
3) TM DBCP	3.93	4.36	10511	8896	0.123	0.111

08240

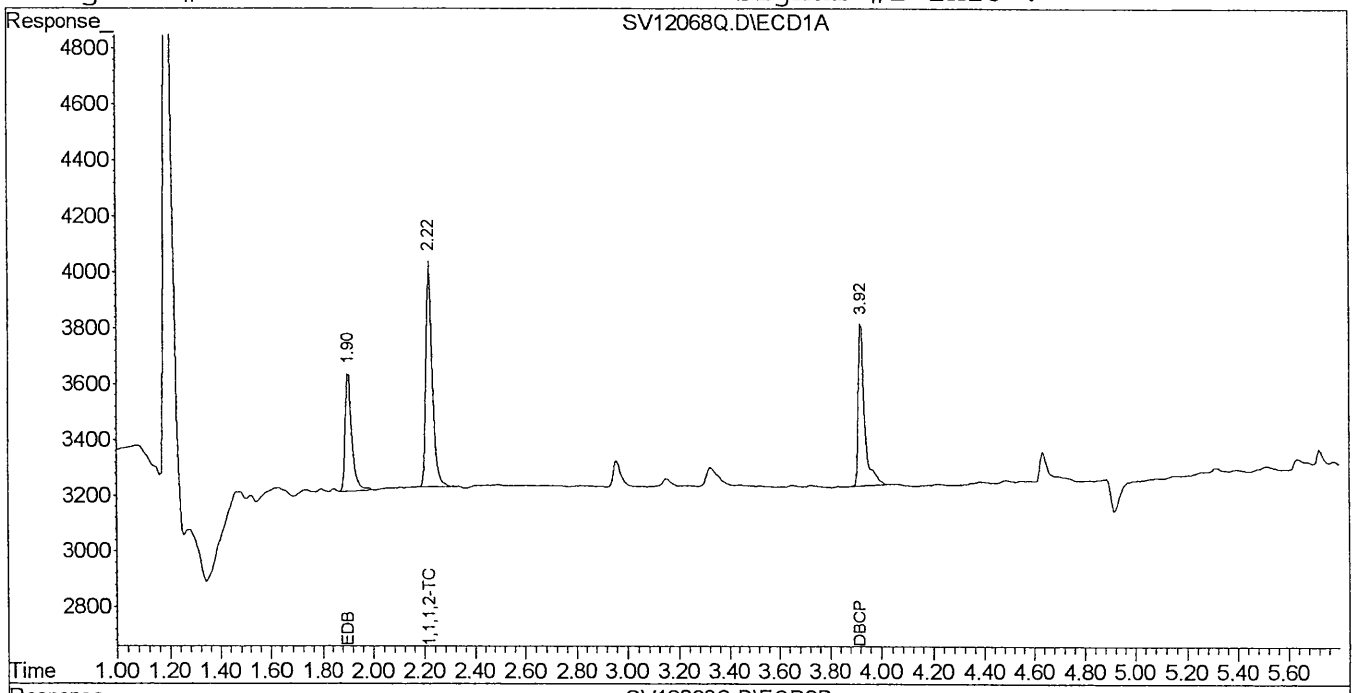
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

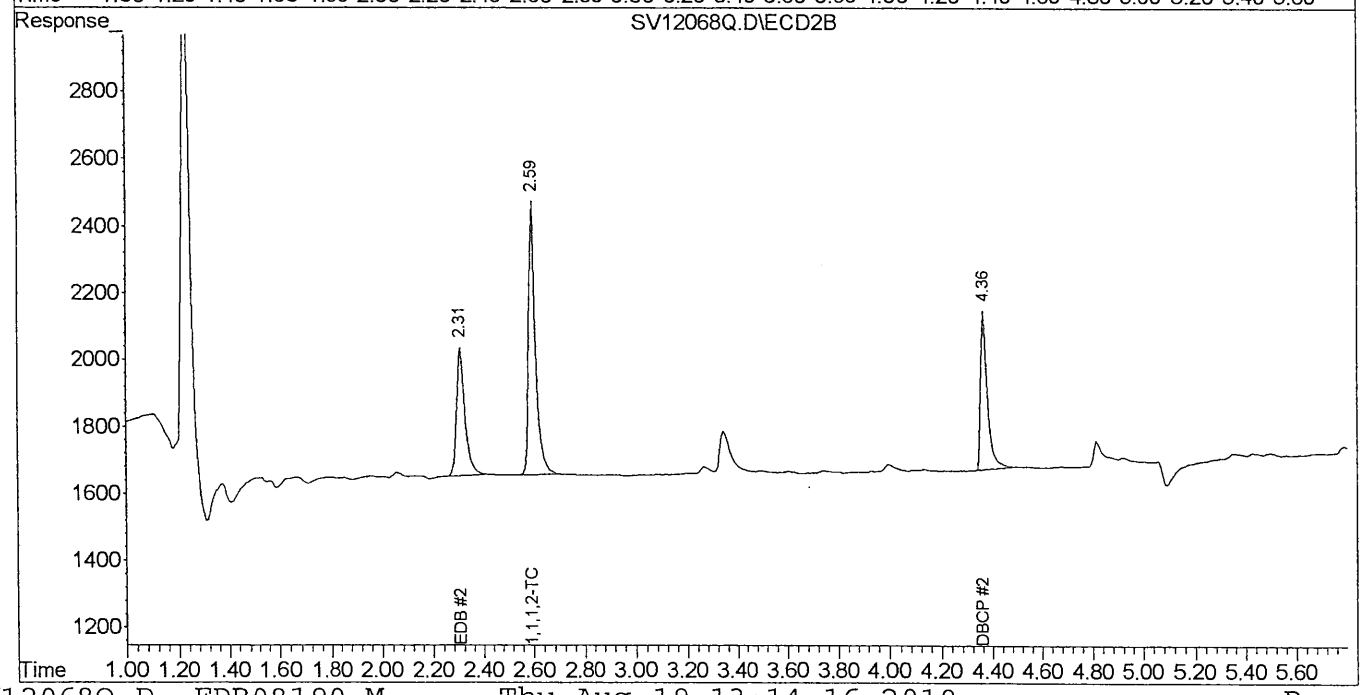
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\081910\SV12068Q.D\ECD1A.CH Vial: 8
Signal #2 : D:\HPCHEM\1\DATA\081910\SV12068Q.D\ECD2B.CH
Acq On : 19 Aug 2010 9:43 am Operator:
Sample : LCSDA081910EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 19 13:11 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Thu Aug 19 10:20:12 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





504/8011

Batch QC & Sample Data

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

EDB/DBCP PrepLog (EPA 504/8011)

Batch ID: A082010EDB1 Start Time/Date: 8/20/10 13:20 Stop Time/Date: 8/21/10 13:20

Matrix: Aqueous Prep Type: Micro-extraction

#	Sample ID:	Sample Volume (mL)	Vol of Surrogate(A) (uL)	Vol of MDL Spike(B) (uL)	Vol of LFB Spike(C) (uL)	Vol of Calibration(D) (uL)	Hexane Final Volume (mL)	Sample Prep/Sample Extract Notes	LIMS (√)	Date	Analyst
1	LCS-A082010EDB1	35	5	–	14	2	2			8/20/10	JW
2	LCSD	"	"	–	14	–	"			"	"
3	MDLa	"	"	35	–	–	"			"	"
4	Blnk	"	"	–	–	–	"			"	"
5	92049.01	"	"	–	–	–	"			"	"
6	.02	"	"	–	–	–	"			"	"
7	.03	"	"	–	–	–	"			"	"
8	.04	"	"	–	–	–	"			"	"
9	.07	"	"	–	–	–	"			"	"
10	.08	"	"	–	–	–	"			"	"
11	.09	"	"	–	–	–	"			"	"
12	.15	"	"	–	–	–	"			"	"
13	.17	"	"	–	–	–	"			"	"
14	.18	"	"	–	–	–	"			"	"
15	.21	"	"	–	–	–	"			"	"
16	.24	"	"	–	–	–	"			"	"
17	.25	"	"	–	–	–	"			"	"
18	Mspik (92049.17)	"	"	–	14	–	"			"	"
19	MSD (92049.17)	"	"	–	14	–	"			"	"
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

8/23/10

A Surrogate Lot#: 5377 Expiration Date: 9/18/10 Hexane Lot#: 50083
B MDL Spike Lot#: 20046 Expiration Date: 4/1/12 Salt Lot#: 20060
C LFB Spike Lot#: 19463 Expiration Date: 5/21/12
D Calibration Lot#: Expiration Date:

EDB/HAA Instrument Run Log

Date: 8/20/10 Analyst: JW/SW Data Folder: 082010

Vial	Sample Name	Dilution	Quant Method	Comments	Data File
100	Hexane				SV12087
1	LCS-A082010EDB1			✓	88 /88V
2	LCSD			✓	89 ✓
3	MDLa			✓	90
4	Blnk			✓	91
5	92049.01			✓	92
6	.02			✓	93
7	.03			✓	94
8	.04			✓	95
9	.07			✓	96
10	.08			✓	97
11	.09			✓	98
12	.15			✓	99
1	LCS-A082010EDB1			✓	100
2	~~92049.07~~ LCSDA082010EDB1			✓	1
13	92049.17			✓	2
14	Mspk (049.17) A082010EDB1			✓	3
15	MSD 1			✓	4
16	92049.18			✓	5
17	.21			✓	6
18	.24			✓	7
19	.25			✓	8
1	LCS-A082010EDB1			✓	9
2	LCSD 1			✓	SV12110

8/23/10

Spike Recovery and RPD Summary Report - WATER

Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration

8/23/16

Non-Spiked Sample: SV12091B.D

	Spike Sample	Spike Duplicate Sample
File ID :	SV12088.D	SV12089V.D
Sample :	LCSaA082010EDB1	LCSDA082010EDB1
Acq Time:	20 Aug 2010 2:24 pm	20 Aug 2010 2:07 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
EDB	0.0	0	0	0	108	111	2	20	70-130
DBCP	0.0	0	0	0	111	104	7	20	70-130
EDB #2	0.0	0	0	0	85	87	2	20	70-130
DBCP #2	0.0	0	0	0	83	83	0	20	70-130

- Fails Limit Check

EDB08190.M Mon Aug 23 08:56:50 2010

08/24/10

EDB/DBCP CV REPORT

Sample Name LCSaA082010EDB1 CV Amount (ug/L) 0.100
Data File Name SV12088.D
Date Acquired 8/20/2010 2:24

8/23/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (70-130%)
1,1,1,2-TCA					0.087	87%	Pass
EDB	1.900	1.894	0.0200	Pass	0.108	108%	Pass
DBCP	3.925	3.922	0.0200	Pass	0.111	111%	Pass
1,1,1,2-TCA #2					0.070	70%	Pass
EDB #2	2.301	2.296	0.0100	Pass	0.085	85%	Pass
DBCP #2	4.364	4.362	0.0100	Pass	0.083	83%	Pass

082410

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12088.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12088.D\ECD2B.CH
Acq On : 20 Aug 2010 2:24 pm Operator:
Sample : LCSaA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.59	10965	10508	0.087	0.070
Spiked Amount 0.100	Range 65 - 135		Recovery =		87.00%	70.00%
Target Compounds						
1) TM EDB	1.90	2.30	7267	6376	0.108	0.085
3) TM DBCP	3.92	4.36	9543	6716	0.111	0.083 #

08/24/10

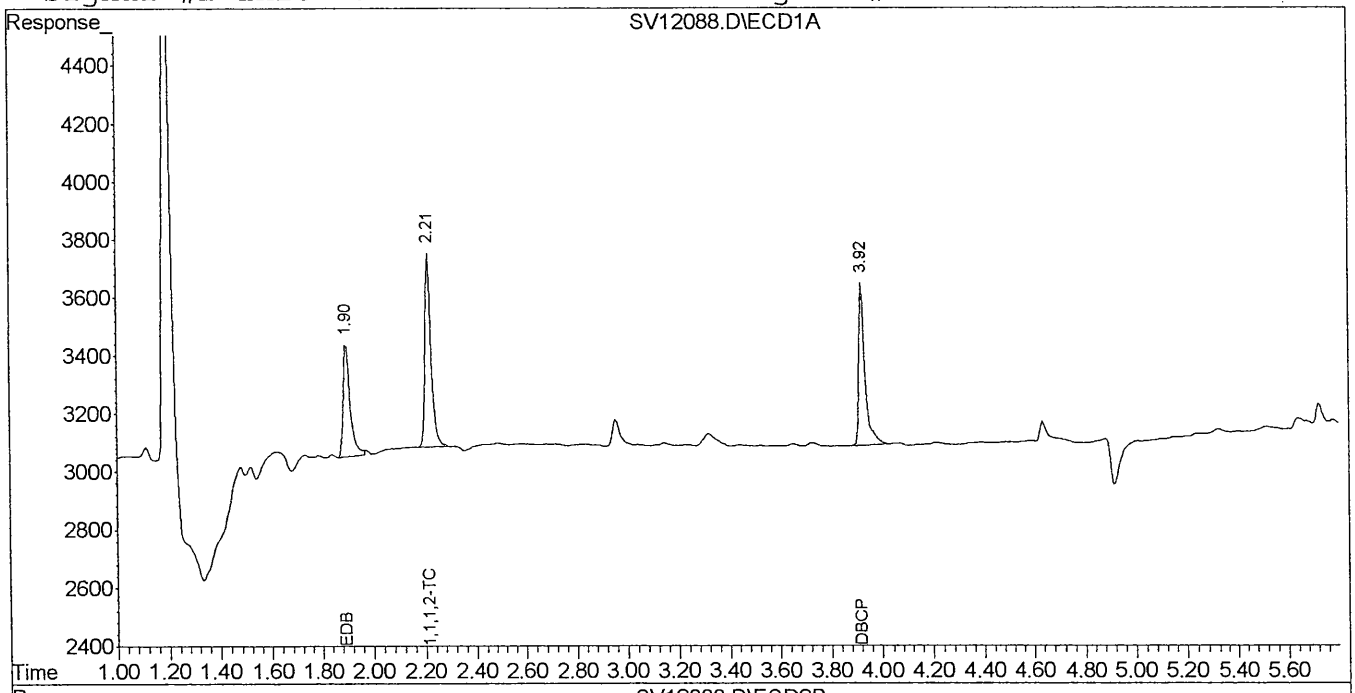
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

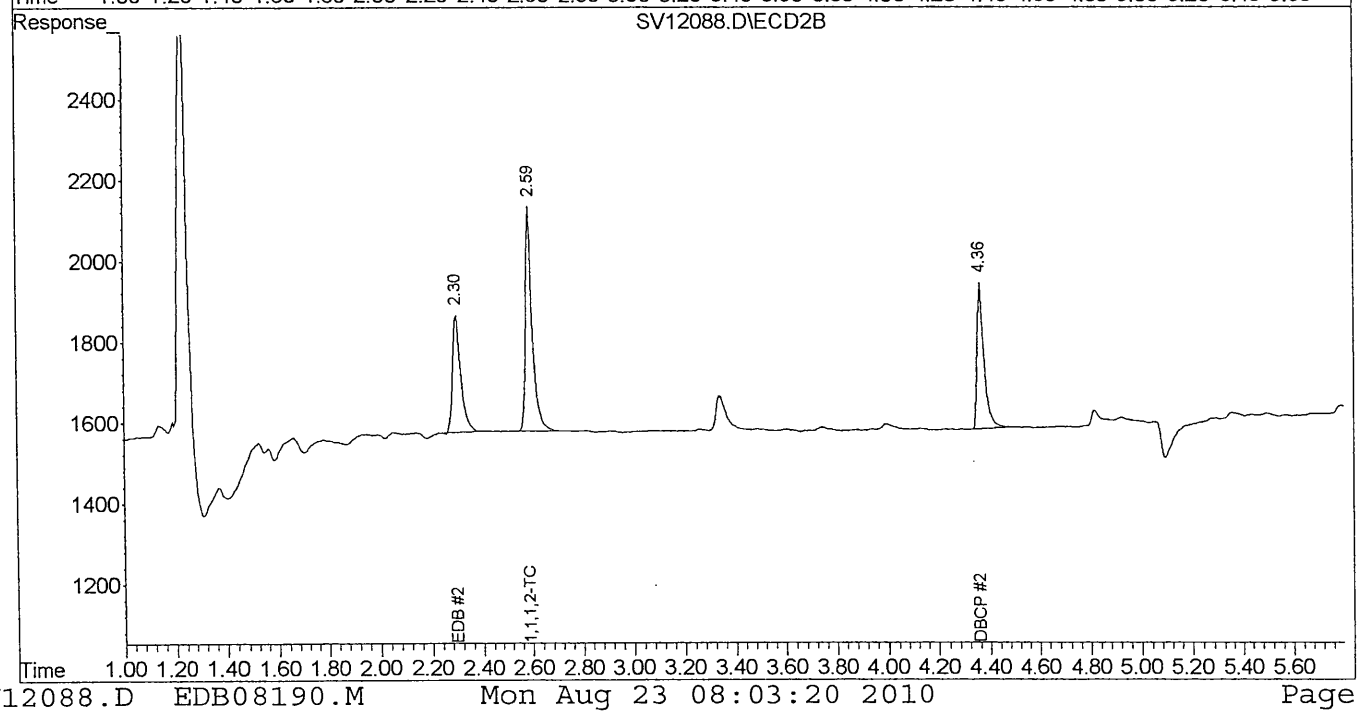
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12088.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12088.D\ECD2B.CH
Acq On : 20 Aug 2010 2:24 pm Operator:
Sample : LCSaA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP CV REPORT

Sample Name LCSDA082010EDB1 CV Amount (ug/L) 0.100
Data File Name SV12089V.D
Date Acquired 8/20/2010 2:07

8/23/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (70-130%)
1,1,1,2-TCA					0.087	87%	Pass
EDB	1.904	1.894	0.0200	Pass	0.111	111%	Pass
DBCP	3.927	3.922	0.0200	Pass	0.104	104%	Pass
1,1,1,2-TCA #2					0.079	79%	Pass
EDB #2	2.306	2.296	0.0100	Pass	0.087	87%	Pass
DBCP #2	4.365	4.362	0.0100	Pass	0.083	83%	Pass

082410

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12089V.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12089V.D\ECD2B.CH
Acq On : 20 Aug 2010 2:07 pm Operator:
Sample : LCSDA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.59	11005	11775	0.087	0.079
Spiked Amount 0.100	Range 65 - 135		Recovery =		87.00%	79.00%
Target Compounds						
1) TM EDB	1.90	2.31	7421	6523	0.111	0.087
3) TM DBCP	3.93	4.37	8951	6743	0.104	0.083

08240

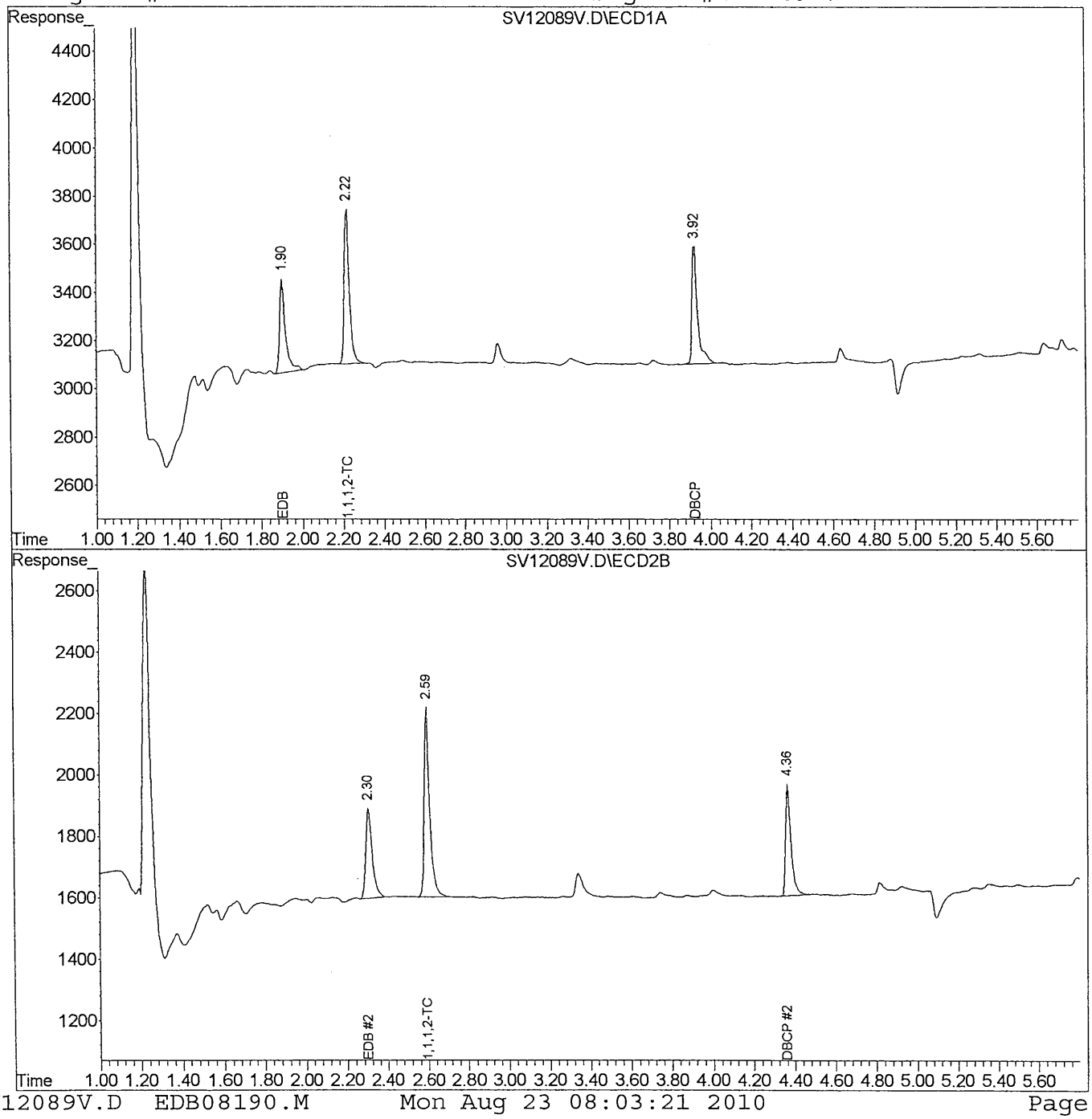
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12089V.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12089V.D\ECD2B.CH
Acq On : 20 Aug 2010 2:07 pm Operator:
Sample : LCSDA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



EDB/DBCP MDL CHECK REPORT

Sample Name MDLaA082010EDB1
Data File Name SV12090.D
Date Acquired 8/20/2010 2:50

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (60-140%)
1,1,1,2-TCA					0.102	102%	Pass
EDB	1.895	1.894	0.0200	Pass	0.024	120%	Pass
DBCP	3.920	3.922	0.0200	Pass	0.027	133%	Pass
1,1,1,2-TCA #2					0.082	82%	Pass
EDB #2	2.299	2.296	0.0100	Pass	0.015	77%	Pass
DBCP #2	4.362	4.362	0.0100	Pass	0.017	84%	Pass

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12090.D\ECD1A.CH Vial: 3
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12090.D\ECD2B.CH
Acq On : 20 Aug 2010 2:50 pm Operator:
Sample : MDLaA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:01 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	12700	12133	0.102	0.082
Spiked Amount 0.100	Range 65 - 135		Recovery =		102.00%	82.00%
Target Compounds						
1) TM EDB	1.89	2.30	2223	1353	0.024m	0.015 #
3) TM DBCP	3.92	4.36	2759	1633	0.027m	0.017 #

0824ID
JL

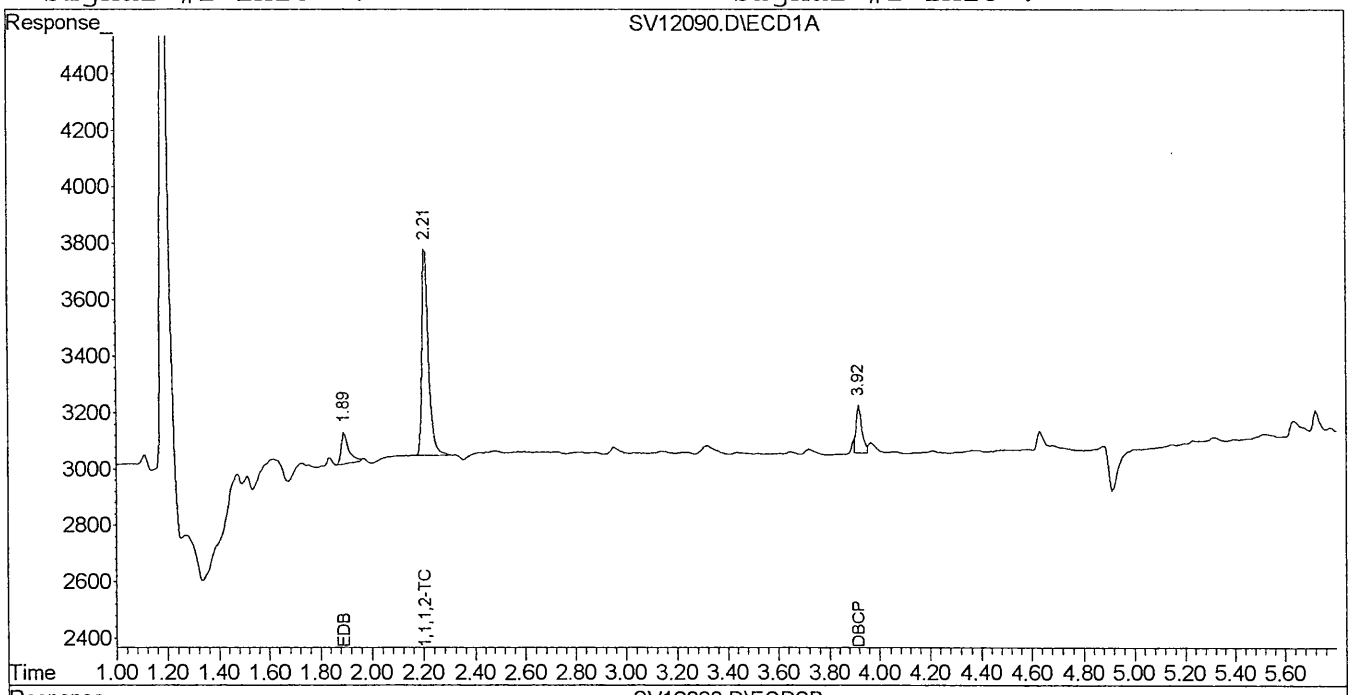
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

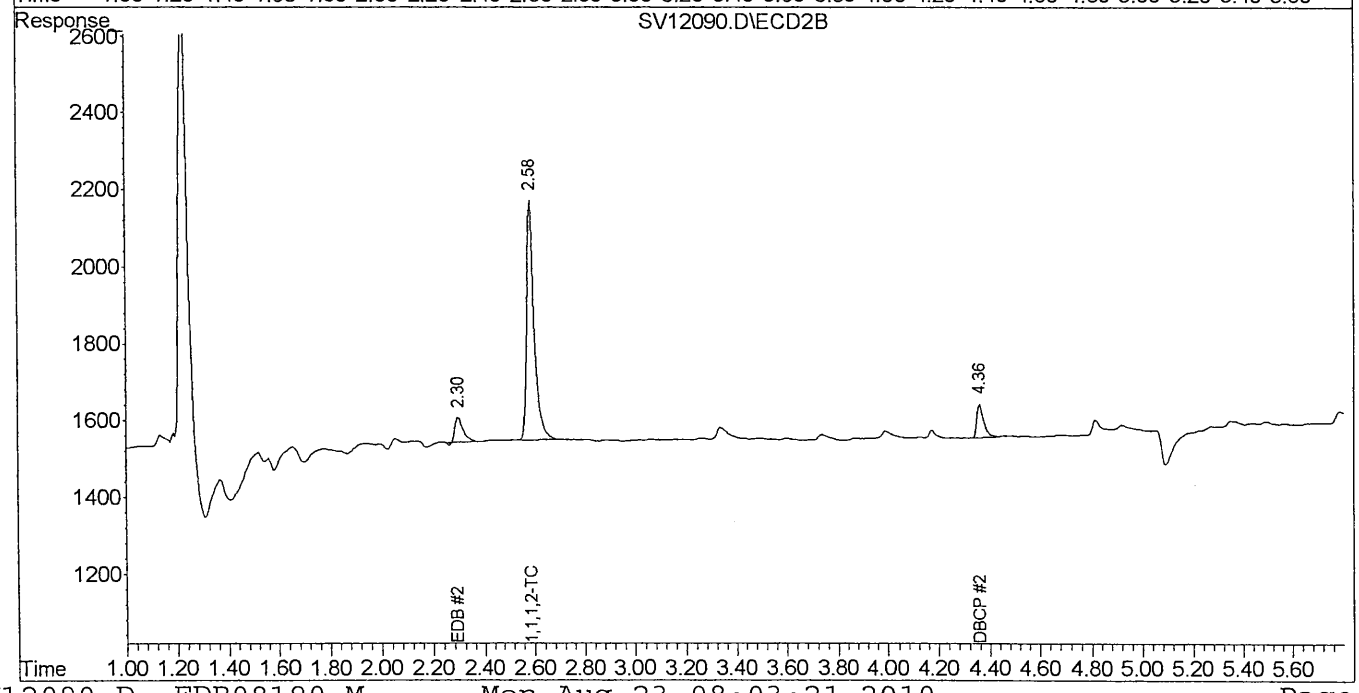
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12090.D\ECD1A.CH Vial: 3
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12090.D\ECD2B.CH
Acq On : 20 Aug 2010 2:50 pm Operator:
Sample : MDLaA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:01 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

8/23/10

Sample Name BLNKA082010EDB1
Data File Name SV12091B.D
Date Acquired 8/20/2010 3:05

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.108**	**108%**	**Pass**				
EDB	1.9370	1.8943	0.0200	**FAIL**	**0.000**			0.02			
DBCP	3.9757	3.9224	0.0200	**FAIL**	**-0.001**			0.02			
1,1,1,2-TCA #2					**0.085**	**85%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

NB

082010

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12091B.D\ECD1A.CH Vial: 4
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12091B.D\ECD2B.CH
Acq On : 20 Aug 2010 3:05 pm Operator:
Sample : BLNKA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.22	2.59	13409	12609	0.108	0.085
Spiked Amount 0.100	Range 65 - 135		Recovery =		108.00%	85.00%
Target Compounds						
1) TM EDB	1.94	0.00	807	0	0.000	N.D. #
3) TM DBCP	3.98	0.00	538	0	N.D.	N.D.

OSMD

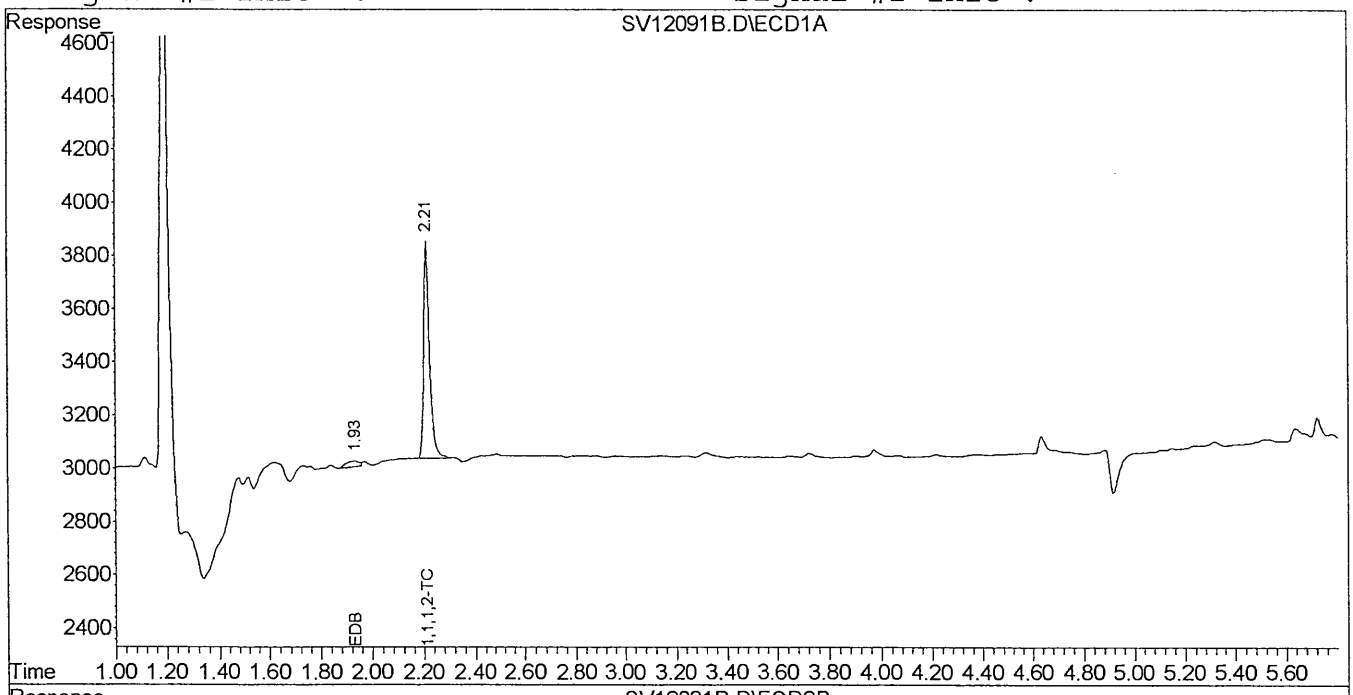
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

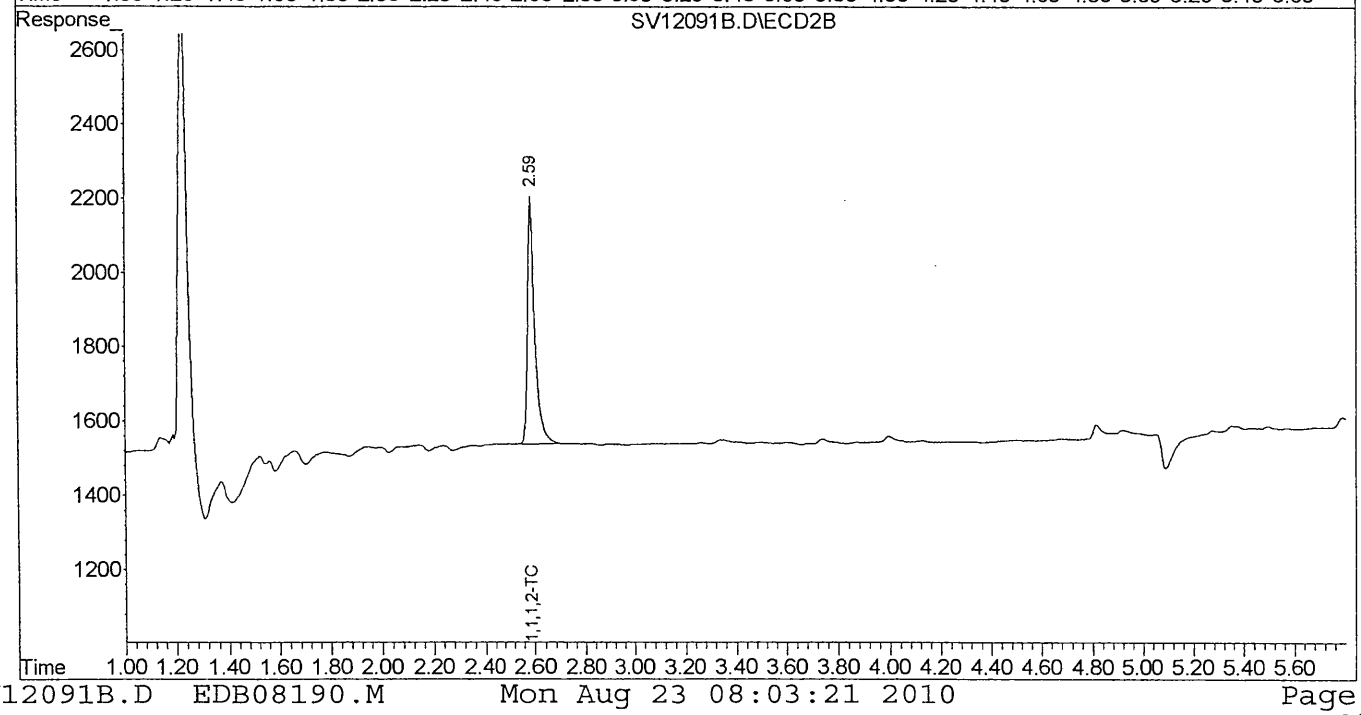
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12091B.D\ECD1A.CH Vial: 4
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12091B.D\ECD2B.CH
Acq On : 20 Aug 2010 3:05 pm Operator:
Sample : BLNKA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP CV REPORT

Sample Name LCSaA082010EDB1 CV Amount (ug/L) 0.100
Data File Name SV12100V.D
Date Acquired 8/20/2010 5:36

8/23/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (70-130%)
1,1,1,2-TCA					0.086	86%	Pass
EDB	1.896	1.894	0.0200	Pass	0.113	113%	Pass
DBCP	3.920	3.922	0.0200	Pass	0.102	102%	Pass
1,1,1,2-TCA #2					0.065	65%	Pass
EDB #2	2.297	2.296	0.0100	Pass	0.079	79%	Pass
DBCP #2	4.362	4.362	0.0100	Pass	0.081	81%	Pass

082410

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12100V.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12100V.D\ECD2B.CH
Acq On : 20 Aug 2010 5:36 pm Operator:
Sample : LCSaA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:01 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	10836	9769	0.086	0.065
Spiked Amount 0.100	Range 65 - 135		Recovery =		86.00%	65.00%
Target Compounds						
1) TM EDB	1.90	2.30	7539	5935	0.113	0.079 #
3) TM DBCP	3.92	4.36	8785	6563	0.102m	0.081

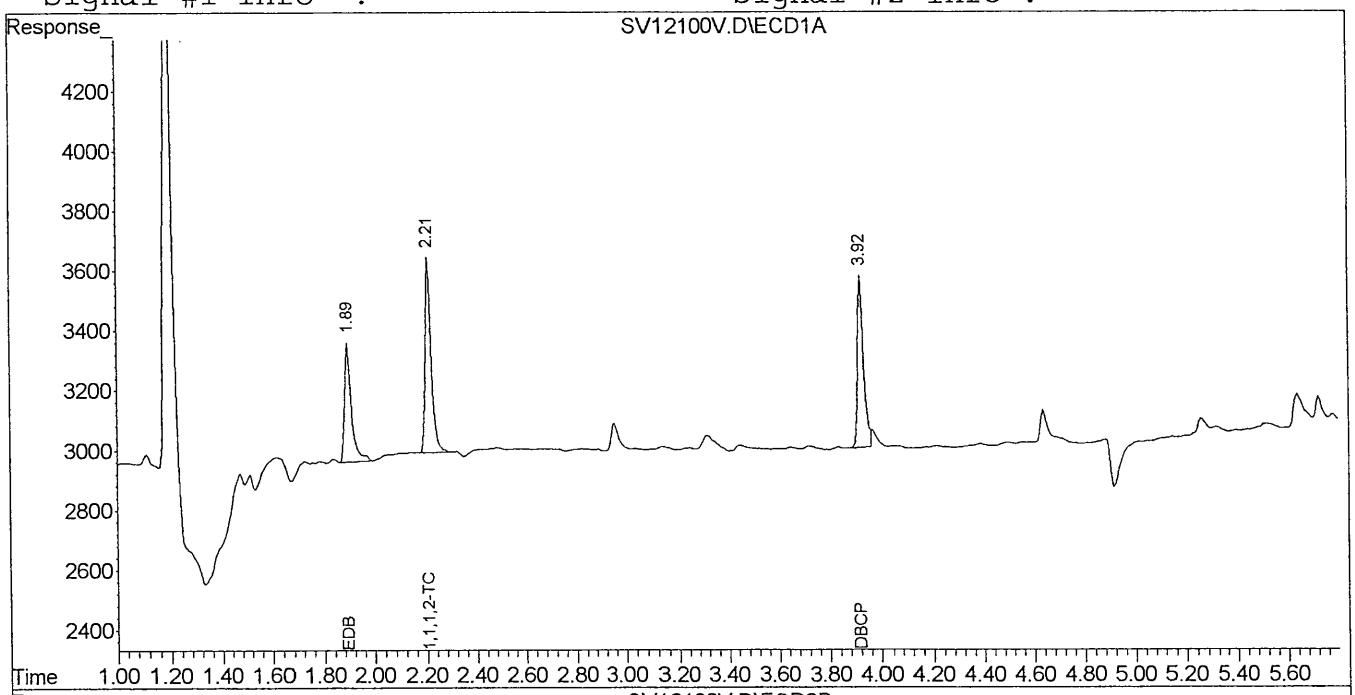
082410

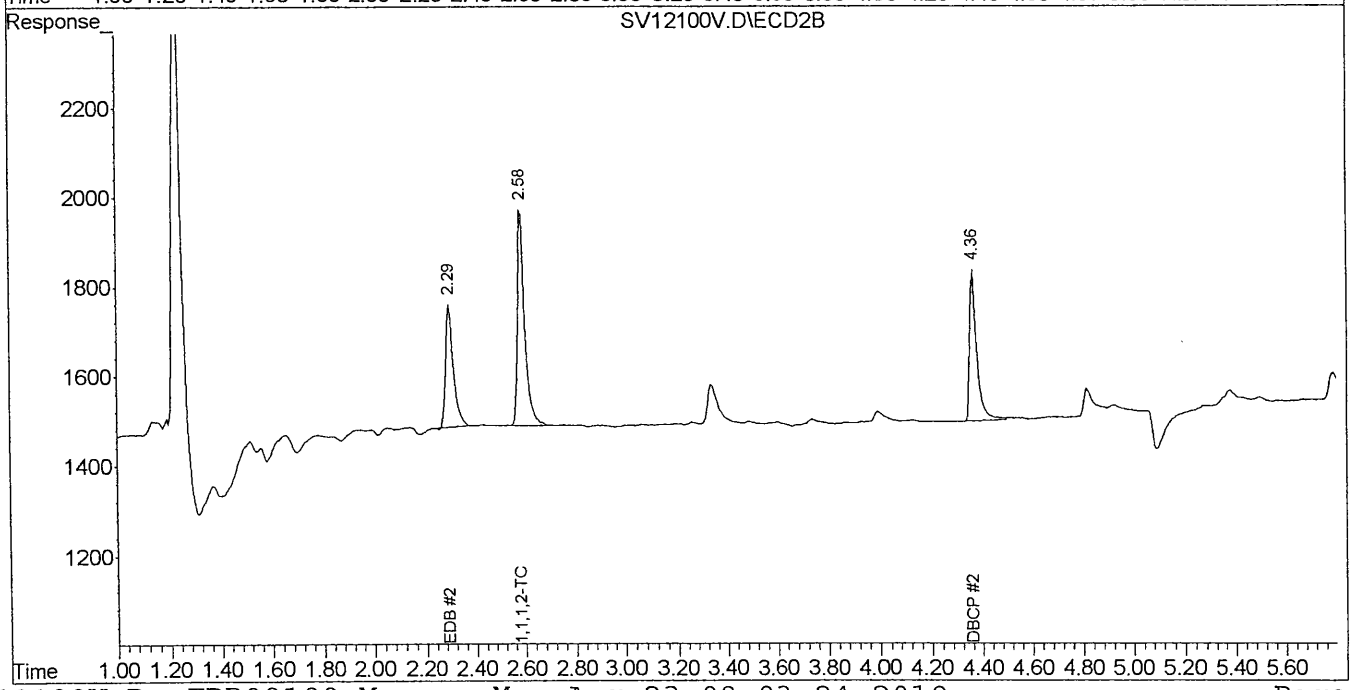
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12100V.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12100V.D\ECD2B.CH
Acq On : 20 Aug 2010 5:36 pm Operator:
Sample : LCSaA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:01 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP CV REPORT

Sample Name LCSDA082010EDB1 CV Amount (ug/L) 0.100
Data File Name SV12101V.D
Date Acquired 8/20/2010 5:51

8/23/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (70-130%)
1,1,1,2-TCA					0.101	101%	Pass
EDB	1.891	1.894	0.0200	Pass	0.112	112%	Pass
DBCP	3.919	3.922	0.0200	Pass	0.115	115%	Pass
1,1,1,2-TCA #2					0.076	76%	Pass
EDB #2	2.296	2.296	0.0100	Pass	0.085	85%	Pass
DBCP #2	4.362	4.362	0.0100	Pass	0.087	87%	Pass

082410

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12101V.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12101V.D\ECD2B.CH
Acq On : 20 Aug 2010 5:51 pm Operator:
Sample : LCSDA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:01 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	12527	11269	0.101	0.076
Spiked Amount 0.100	Range 65 - 135		Recovery =		101.00%	76.00%
Target Compounds						
1) TM EDB	1.89	2.30	7468	6393	0.112m	0.085
3) TM DBCP	3.92	4.36	9857	7095	0.115m	0.087

08240
JW

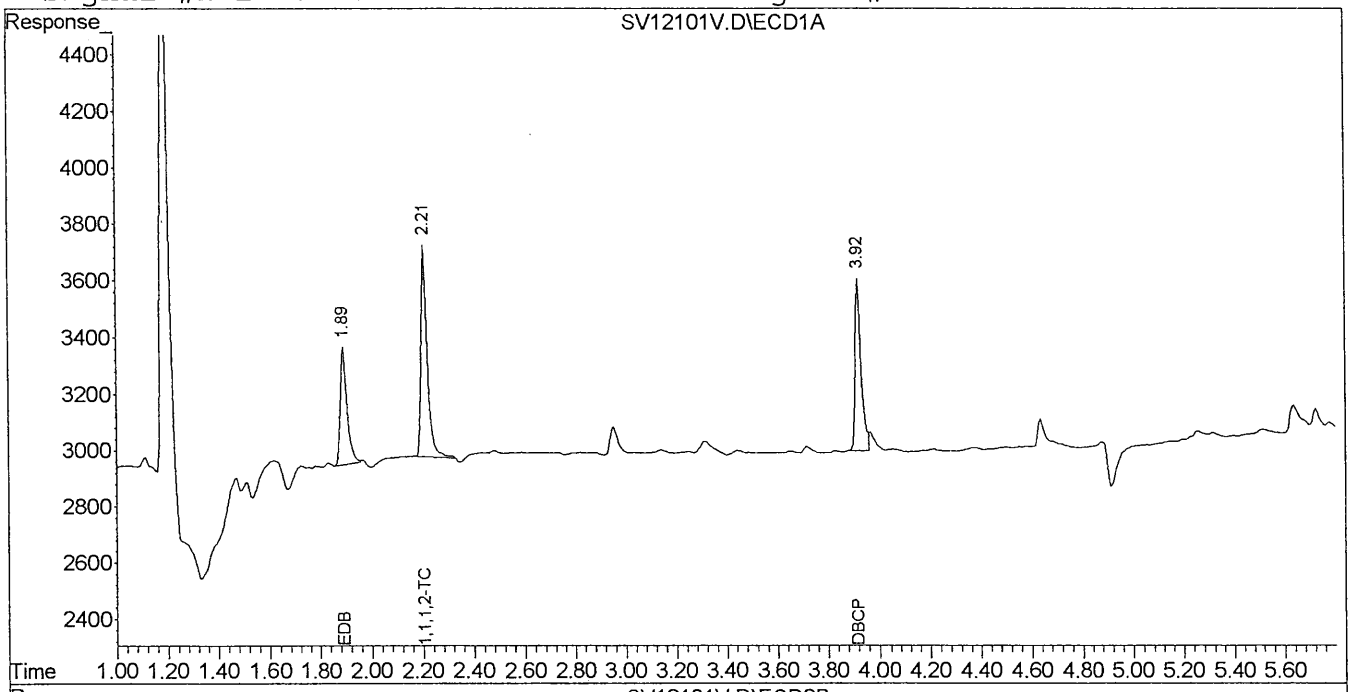
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

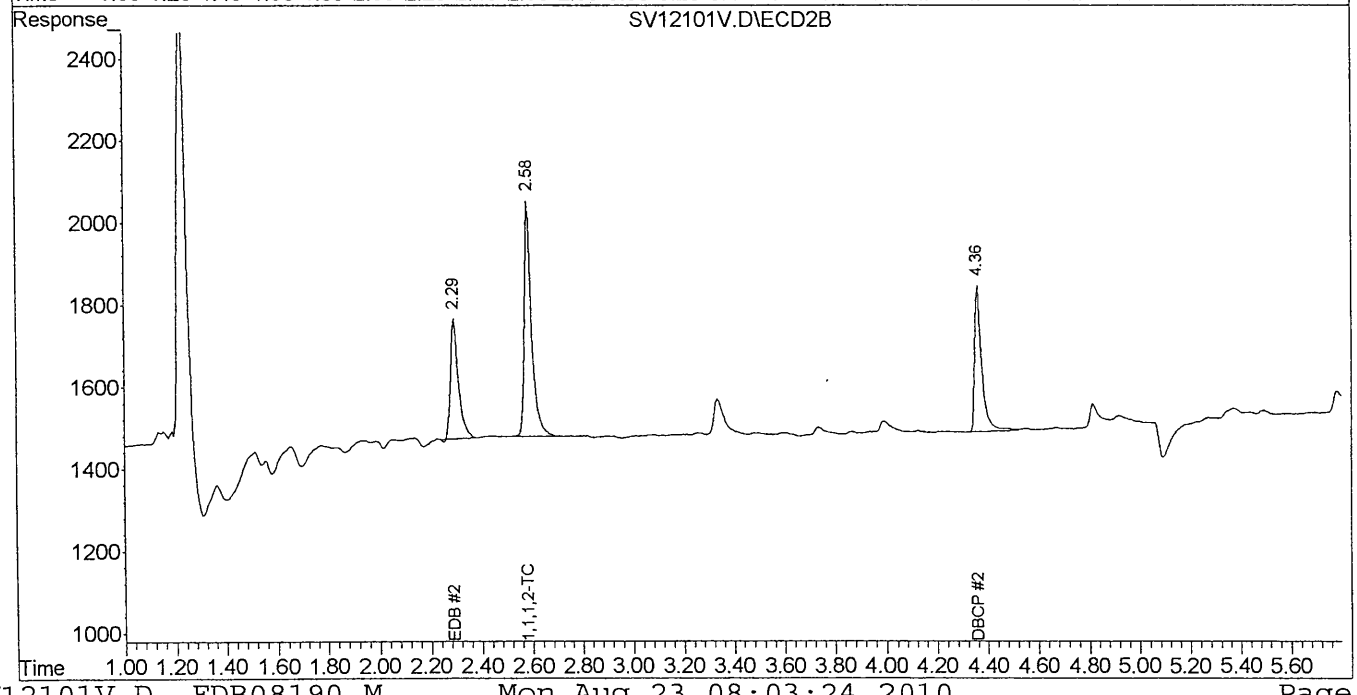
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12101V.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12101V.D\ECD2B.CH
Acq On : 20 Aug 2010 5:51 pm Operator:
Sample : LCSDA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:01 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Spike Recovery and RPD Summary Report - WATER

Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration

Non-Spiked Sample: SV12102.D

	Spike Sample	Spike Duplicate Sample
File ID :	SV12103M.D	SV12104M.D
Sample :	MSpkA082010EDB1	MSDA082010EDB1
Acq Time:	20 Aug 2010 6:21 pm	20 Aug 2010 6:36 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
EDB	0.0	0	0	0	103	105	2	20	70-130
DBCP	0.0	0	0	0	94	103	10	20	70-130
EDB #2	0.0	0	0	0	74	74	0	20	70-130
DBCP #2	0.0	0	0	0	91	78	15	20	70-130

- Fails Limit Check

EDB08190.M Mon Aug 23 08:14:11 2010

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12103M.D\ECD1A.CH Vial: 14
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12103M.D\ECD2B.CH
Acq On : 20 Aug 2010 6:21 pm Operator:
Sample : MSpkA082010EDB1 Inst : ECD
Misc : 92049.17 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:13 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	14321	10501	0.116	0.070 #
Spiked Amount 0.100	Range 65 - 135			Recovery =	116.00%	70.00%
Target Compounds						
1) TM EDB	1.90	2.29	6954	5581	0.103	0.074m#
3) TM DBCP	3.92	4.36	8137	7338	0.094	0.091

08240
JW

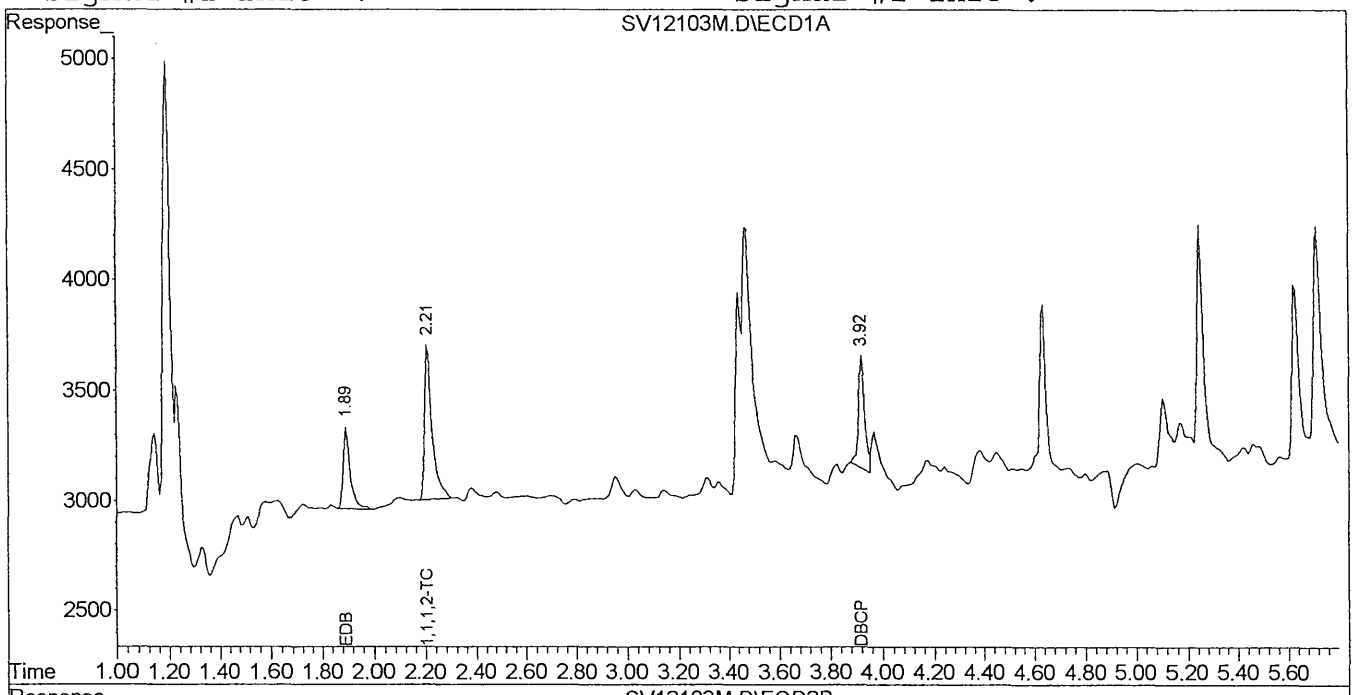
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

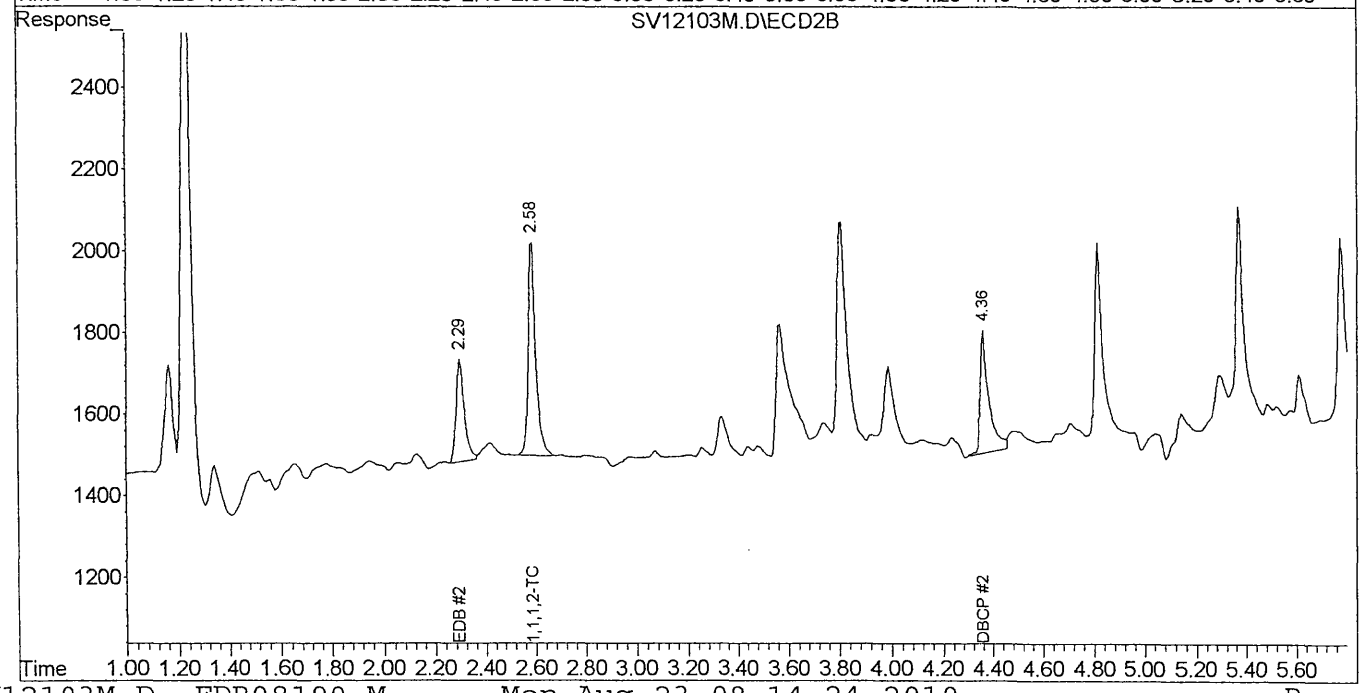
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12103M.D\ECD1A.CH Vial: 14
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12103M.D\ECD2B.CH
Acq On : 20 Aug 2010 6:21 pm Operator:
Sample : MSpkA082010EDB1 Inst : ECD
Misc : 92049.17 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:13 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12104M.D\ECD1A.CH Vial: 15
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12104M.D\ECD2B.CH
Acq On : 20 Aug 2010 6:36 pm Operator:
Sample : MSDA082010EDB1 Inst : ECD
Misc : 92049.17 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	10047	8583	~~0.079~~	0.057 #
Spiked Amount 0.100	Range 65 - 135			Recovery =	79.00%	57.00%#
Target Compounds						
1) TM EDB	1.89	2.29	7097	5599	0.105	0.074 #
3) TM DBCP	3.92	4.36	8937	6376	0.103	0.078

08241D

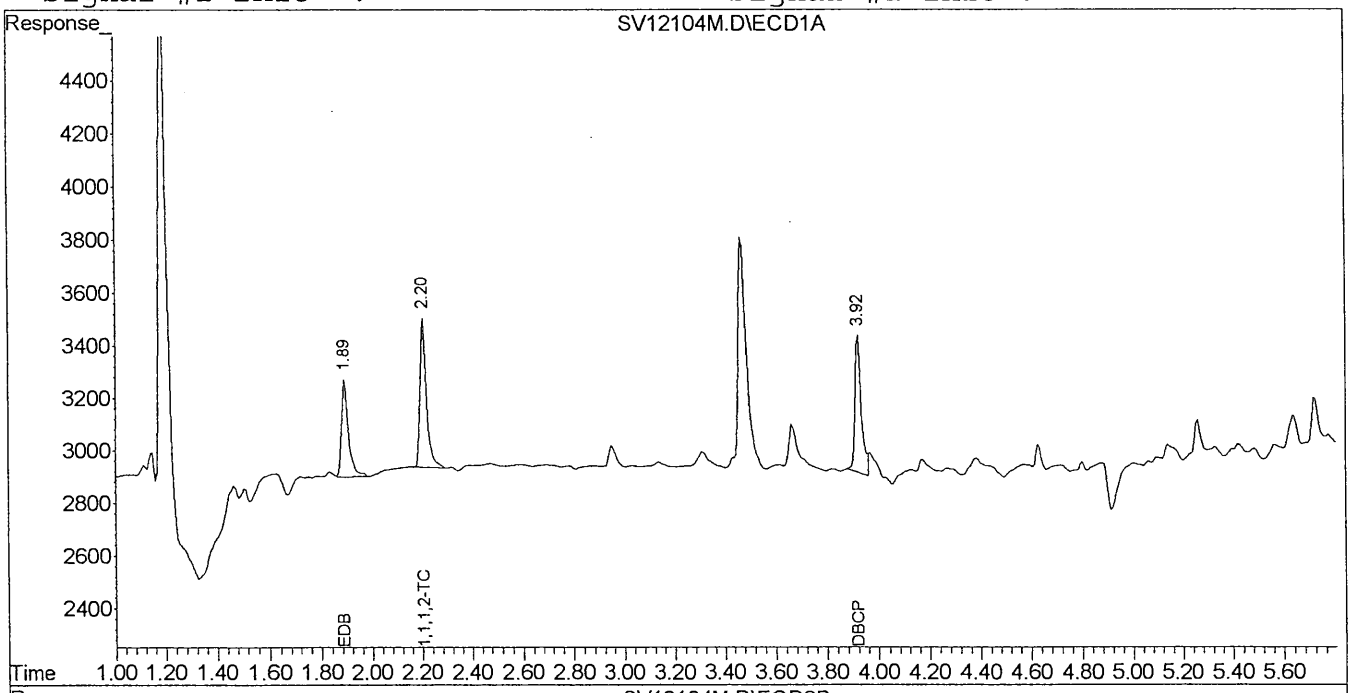
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

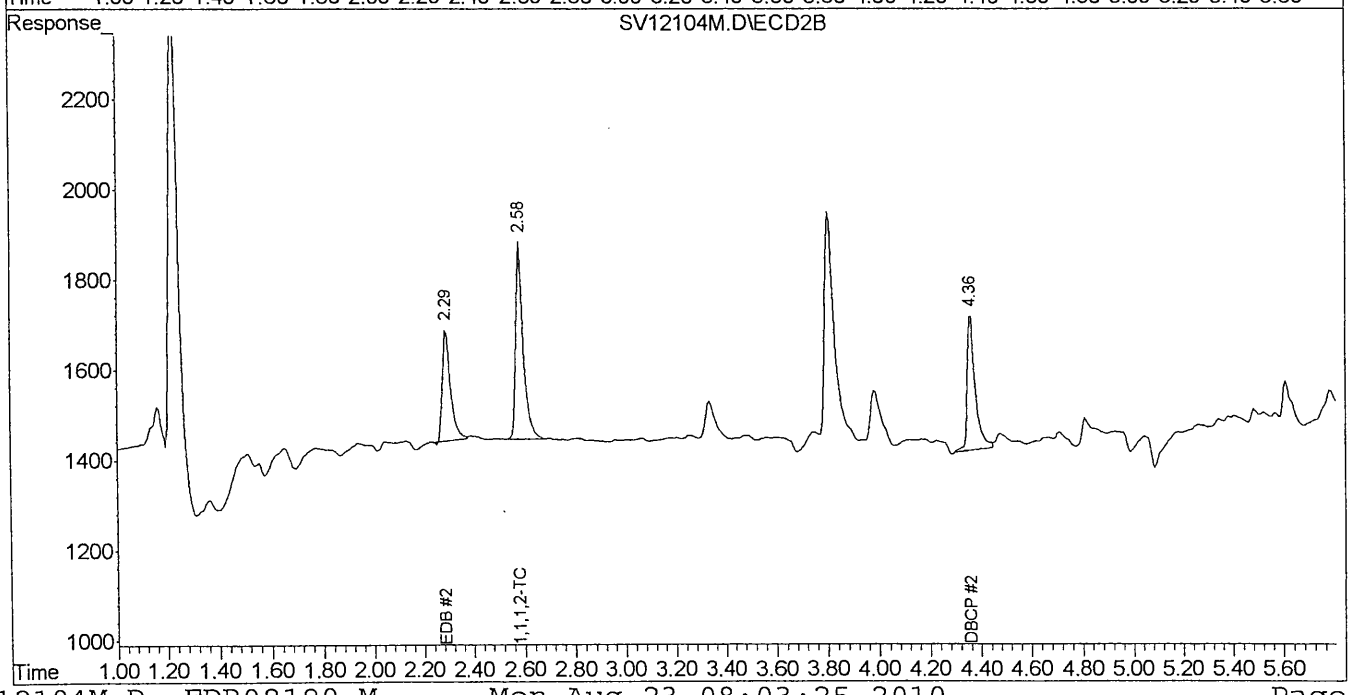
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12104M.D\ECD1A.CH Vial: 15
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12104M.D\ECD2B.CH
Acq On : 20 Aug 2010 6:36 pm Operator:
Sample : MSDA082010EDB1 Inst : ECD
Misc : 92049.17 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP CV REPORT

Sample Name LCSaA082010EDB1 CV Amount (ug/L) 0.100
Data File Name SV12109V.D
Date Acquired 8/20/2010 7:51

8/23/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (70-130%)
1,1,1,2-TCA					0.083	83%	Pass
EDB	1.889	1.894	0.0200	Pass	0.114	114%	Pass
DBCP	3.918	3.922	0.0200	Pass	0.098	98%	Pass
1,1,1,2-TCA #2					0.060	60%	**FAIL**
EDB #2	2.290	2.296	0.0100	Pass	0.074	74%	Pass
DBCP #2	4.361	4.362	0.0100	Pass	0.075	75%	Pass

#1

08/24/10

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12109V.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12109V.D\ECD2B.CH
Acq On : 20 Aug 2010 7:51 pm Operator:
Sample : LCSaA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:02 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.20	2.58	10530	9030	0.083	0.060 #
Spiked Amount 0.100	Range 65 - 135		Recovery =		83.00%	60.00%#
Target Compounds						
1) TM EDB	1.89	2.29	7628	5590	0.114	0.074 #
3) TM DBCP	3.92	4.36	8514	6150	0.098m	0.075

08/24/10
JL

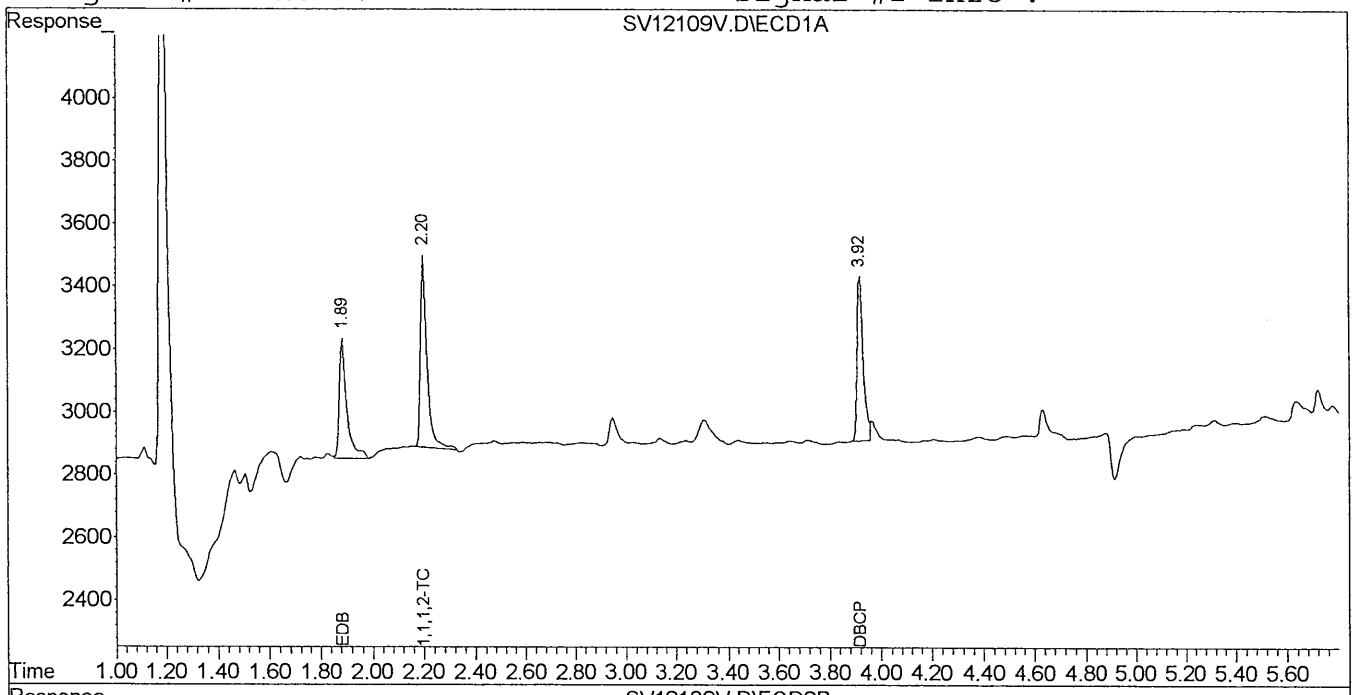
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

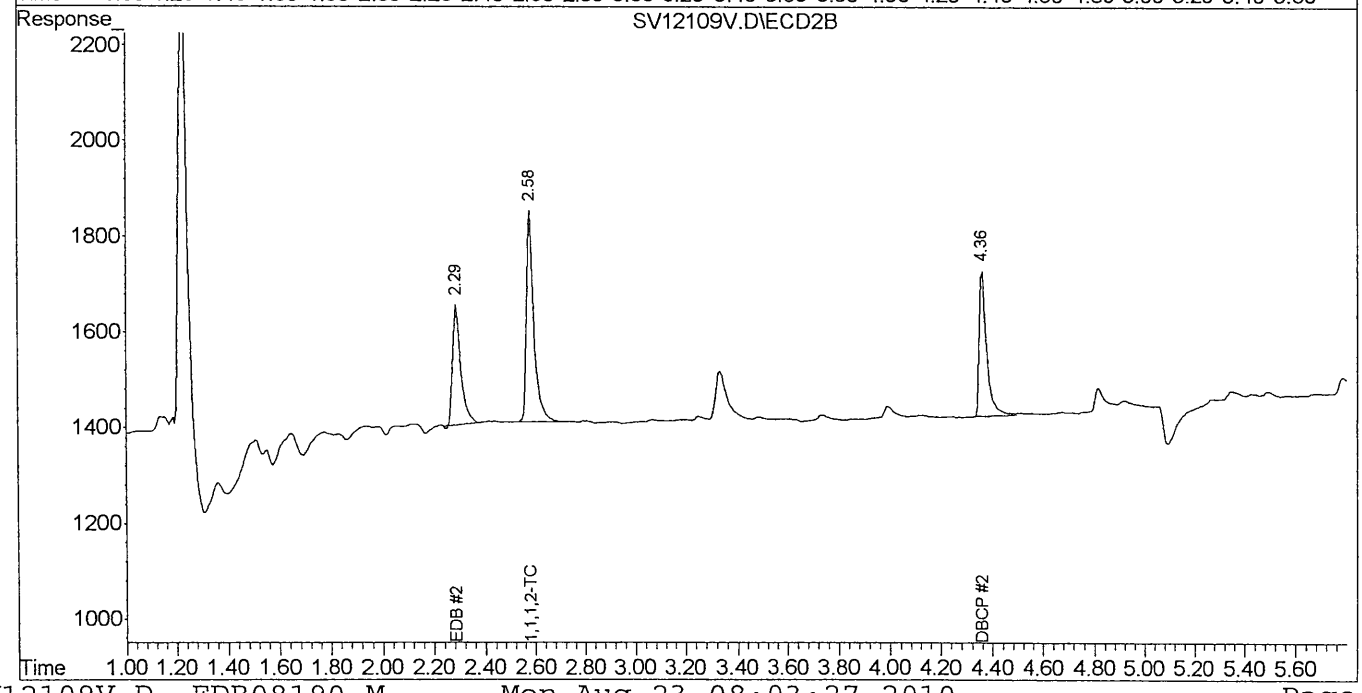
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12109V.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12109V.D\ECD2B.CH
Acq On : 20 Aug 2010 7:51 pm Operator:
Sample : LCSaA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:02 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP CV REPORT

Sample Name LCSDA082010EDB1 CV Amount (ug/L) 0.100
Data File Name SV12110V.D
Date Acquired 8/20/2010 8:22

8/23/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (70-130%)
1,1,1,2-TCA					0.097	97%	Pass
EDB	1.886	1.894	0.0200	Pass	0.105	105%	Pass
DBCP	3.918	3.922	0.0200	Pass	0.106	106%	Pass
1,1,1,2-TCA #2					0.070	70%	Pass
EDB #2	2.289	2.296	0.0100	Pass	0.079	79%	Pass
DBCP #2	4.360	4.362	0.0100	Pass	0.079	79%	Pass

08/24/10

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12110V.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12110V.D\ECD2B.CH
Acq On : 20 Aug 2010 8:22 pm Operator:
Sample : LCSDA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:02 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.20	2.58	12136	10494	0.097	0.070 #
Spiked Amount 0.100	Range 65 - 135		Recovery =		97.00%	70.00%
Target Compounds						
1) TM EDB	1.89	2.29	7055	5956	0.105m	0.079
3) TM DBCP	3.92	4.36	9107	6451	0.106m	0.079 #

08/24/10
JJ

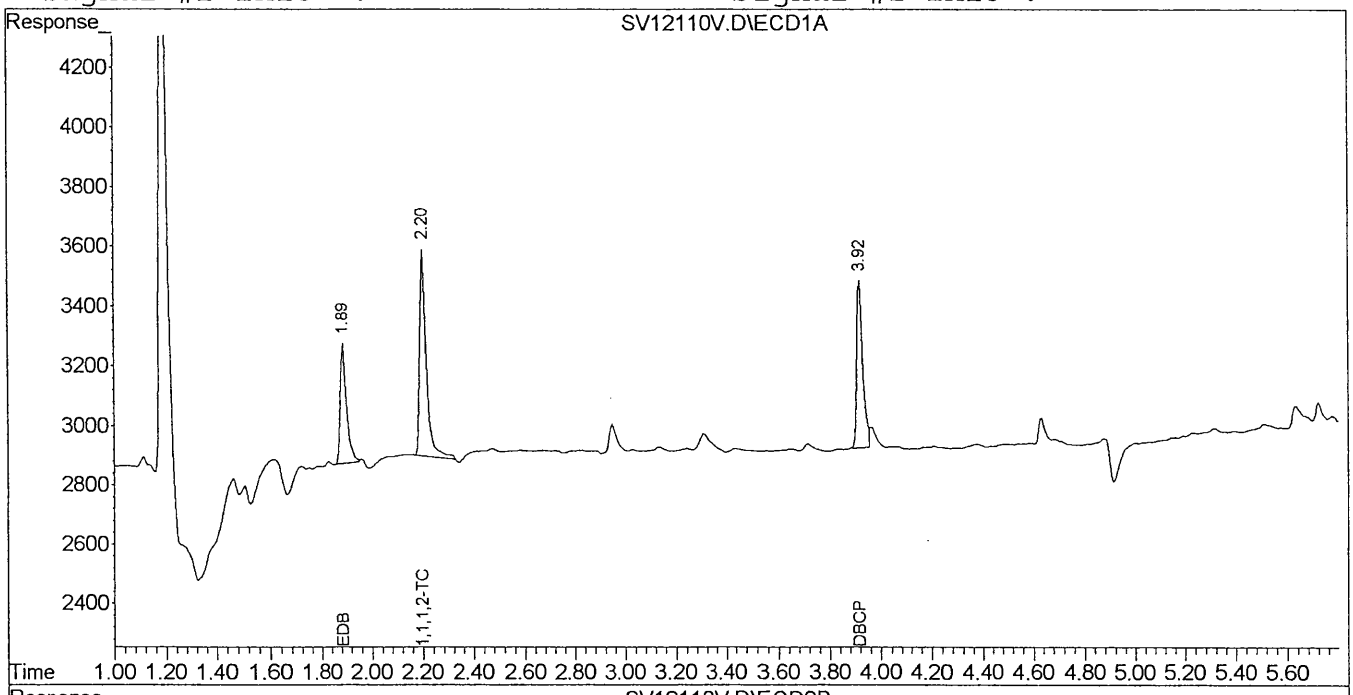
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

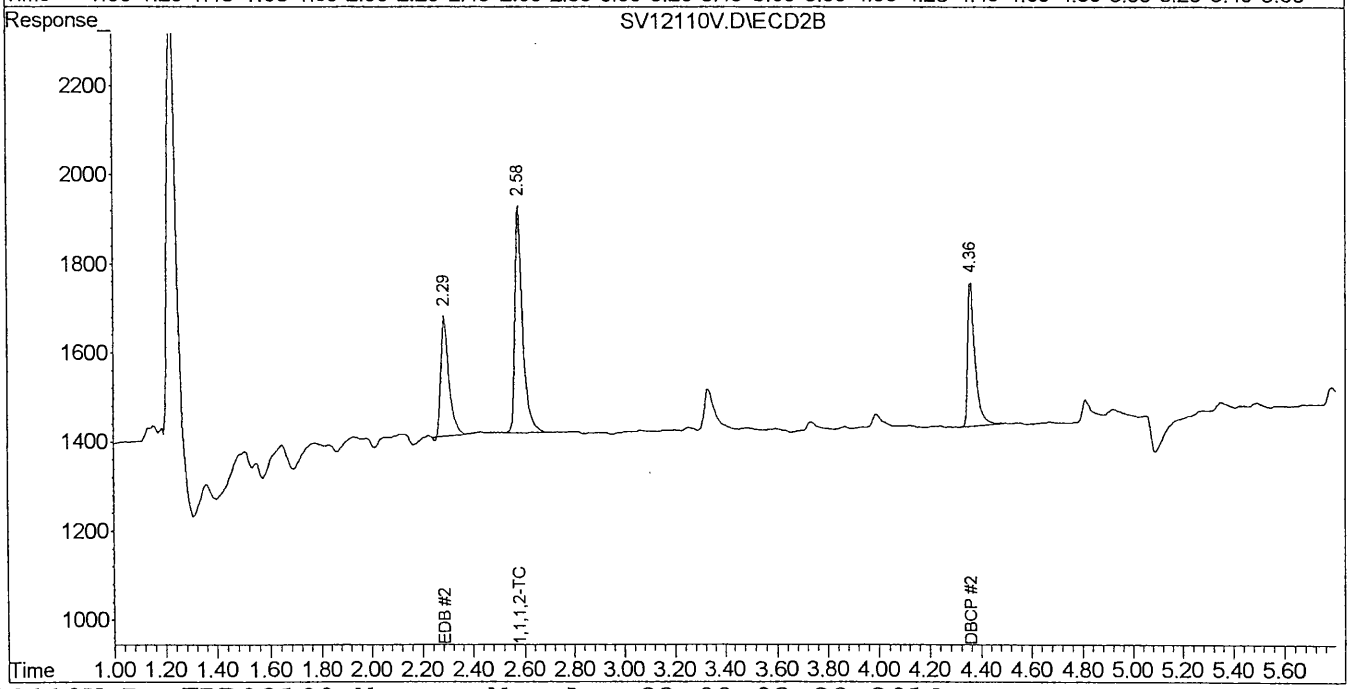
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12110V.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12110V.D\ECD2B.CH
Acq On : 20 Aug 2010 8:22 pm Operator:
Sample : LCSDA082010EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:02 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

8/23/10

Sample Name 92049.01
Data File Name SV12092.D
Date Acquired 8/20/2010 3:20

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.079**	**79%**	**Pass**				
EDB	1.9324	1.8943	0.0200	**FAIL**	**0.009**			0.02			
DBCP	3.9752	3.9224	0.0200	**FAIL**	**-0.002**			0.02			
1,1,1,2-TCA #2					**0.062**	**62%**	**FAIL**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

NB

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Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12092.D\ECD1A.CH Vial: 5
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12092.D\ECD2B.CH
Acq On : 20 Aug 2010 3:20 pm Operator:
Sample : 92049.01 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	10046	9286	0.079	0.062
Spiked Amount 0.100	Range 65 - 135		Recovery =		79.00%	62.00%#
Target Compounds						
1) TM EDB	1.93	0.00	1335	0	0.009	N.D. #
3) TM DBCP	3.98	0.00	430	0	N.D.	N.D.

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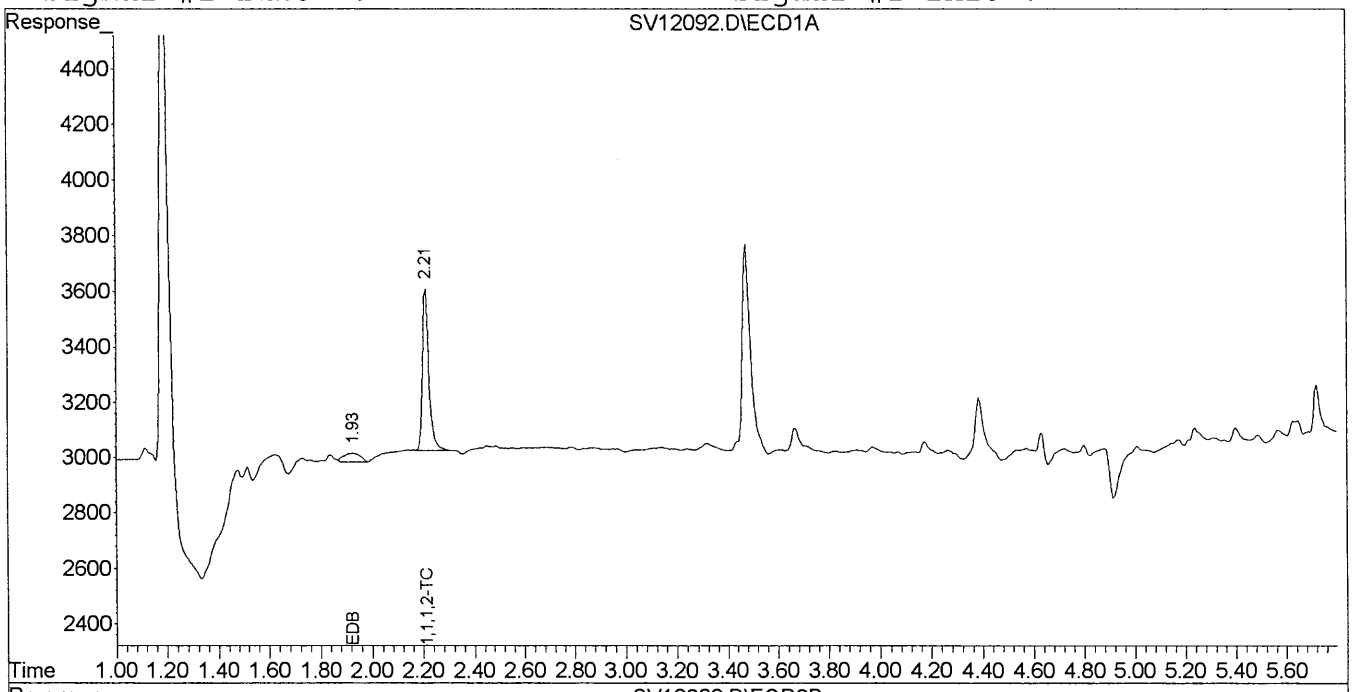
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

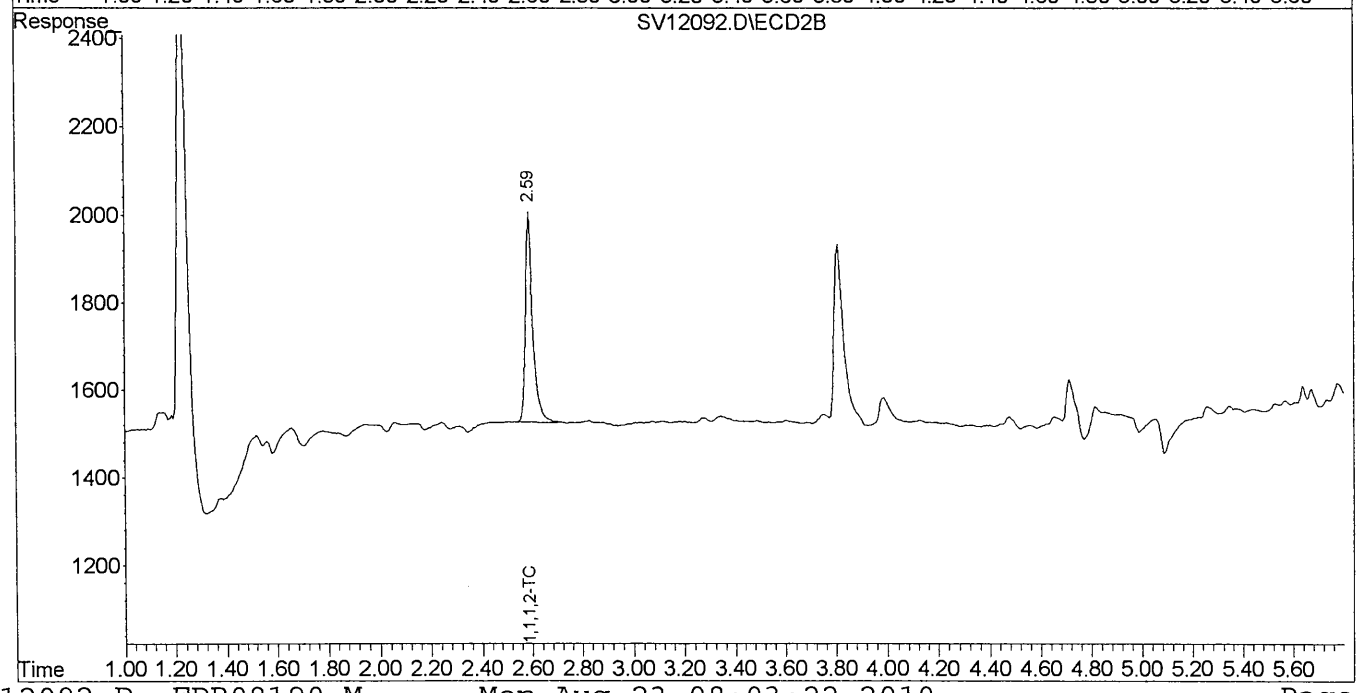
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12092.D\ECD1A.CH Vial: 5
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12092.D\ECD2B.CH
Acq On : 20 Aug 2010 3:20 pm Operator:
Sample : 92049.01 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92049.02
Data File Name SV12093.D
Date Acquired 8/20/2010 3:35

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.099**	**99%**	**Pass**				
EDB	1.9306	1.8943	0.0200	**FAIL**	**0.002**			0.02			
DBCP	3.9730	3.9224	0.0200	**FAIL**	**0.015**			0.02			
1,1,1,2-TCA #2					**0.073**	**73%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12093.D\ECD1A.CH Vial: 6
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12093.D\ECD2B.CH
Acq On : 20 Aug 2010 3:35 pm Operator:
Sample : 92049.02 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
2) S 1,1,1,2-TCA	2.21	2.59	12281	10858	0.099	0.073	#
Spiked Amount 0.100	Range 65 - 135		Recovery =		99.00%	73.00%	
Target Compounds							
1) TM EDB	1.93	0.00	695	0	N.D.	N.D.	
3) TM DBCP	3.97	0.00	1804	0	0.015	N.D.	#

8/24/10

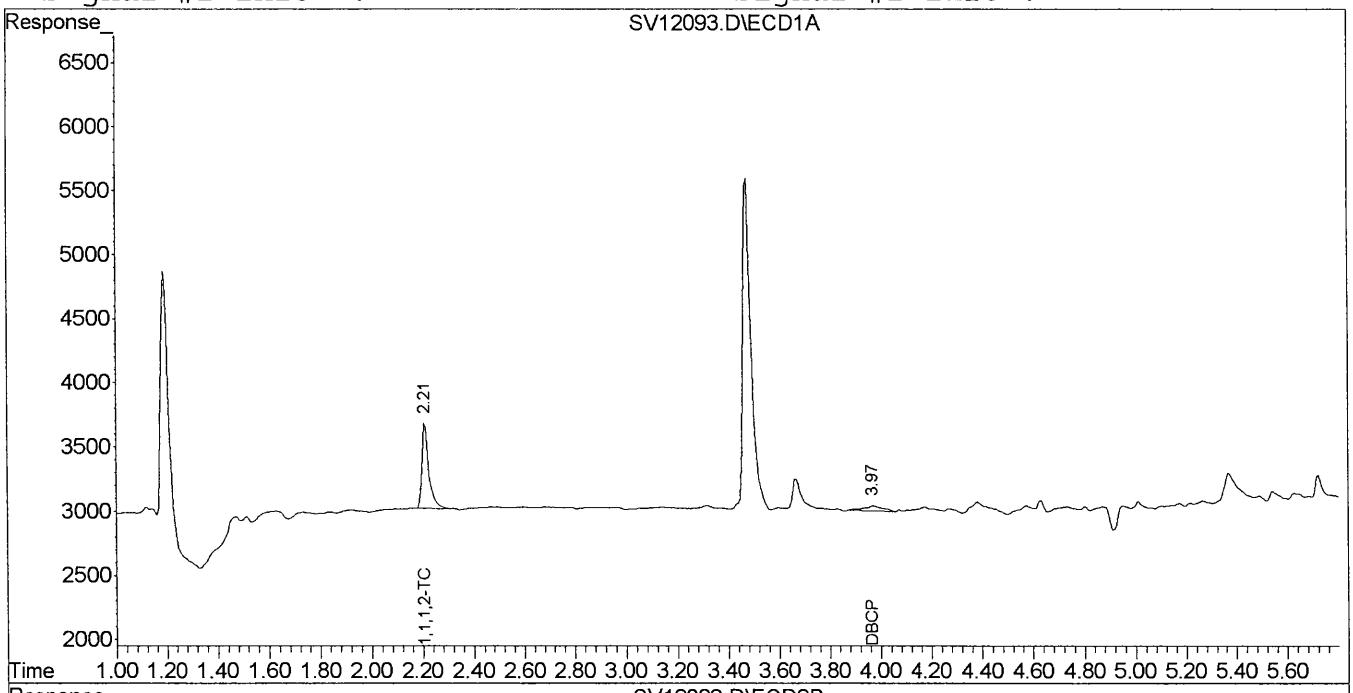
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

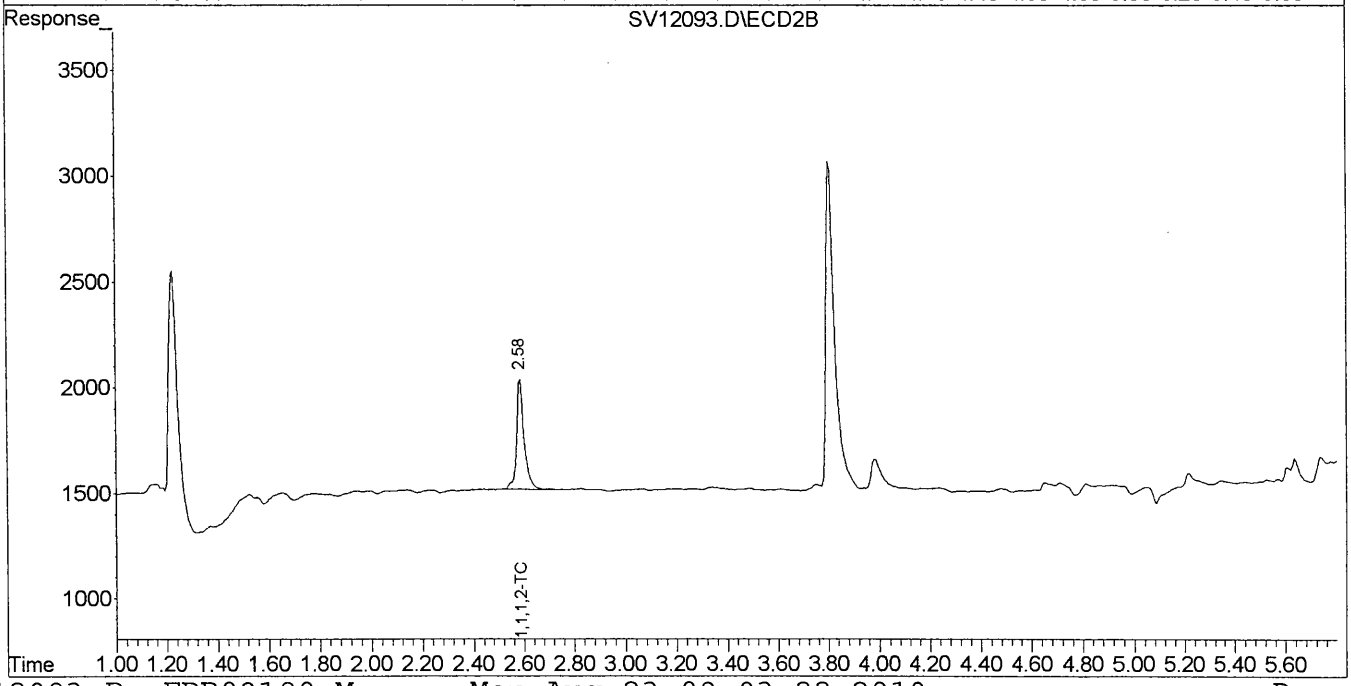
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12093.D\ECD1A.CH Vial: 6
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12093.D\ECD2B.CH
Acq On : 20 Aug 2010 3:35 pm Operator:
Sample : 92049.02 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

8/23/10

Sample Name 92049.03
Data File Name SV12094.D
Date Acquired 8/20/2010 3:50

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.098**	**98%**	**Pass**				
EDB	1.9296	1.8943	0.0200	**FAIL**	**0.006**			0.02			
DBCP	3.9716	3.9224	0.0200	**FAIL**	**0.012**			0.02			
1,1,1,2-TCA #2					**0.075**	**75%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

NB

8/24/10

C:\HPCHEM\CUSTRPT\EDB_SAMPLE.CRT

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12094.D\ECD1A.CH Vial: 7
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12094.D\ECD2B.CH
Acq On : 20 Aug 2010 3:50 pm Operator:
Sample : 92049.03 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	12240	11152	0.098	0.075
Spiked Amount 0.100	Range 65 - 135		Recovery =		98.00%	75.00%
Target Compounds						
1) TM EDB	1.93	0.00	1143	0	0.006	N.D. #
3) TM DBCP	3.97	0.00	1543	0	0.012	N.D. #

8/24/10

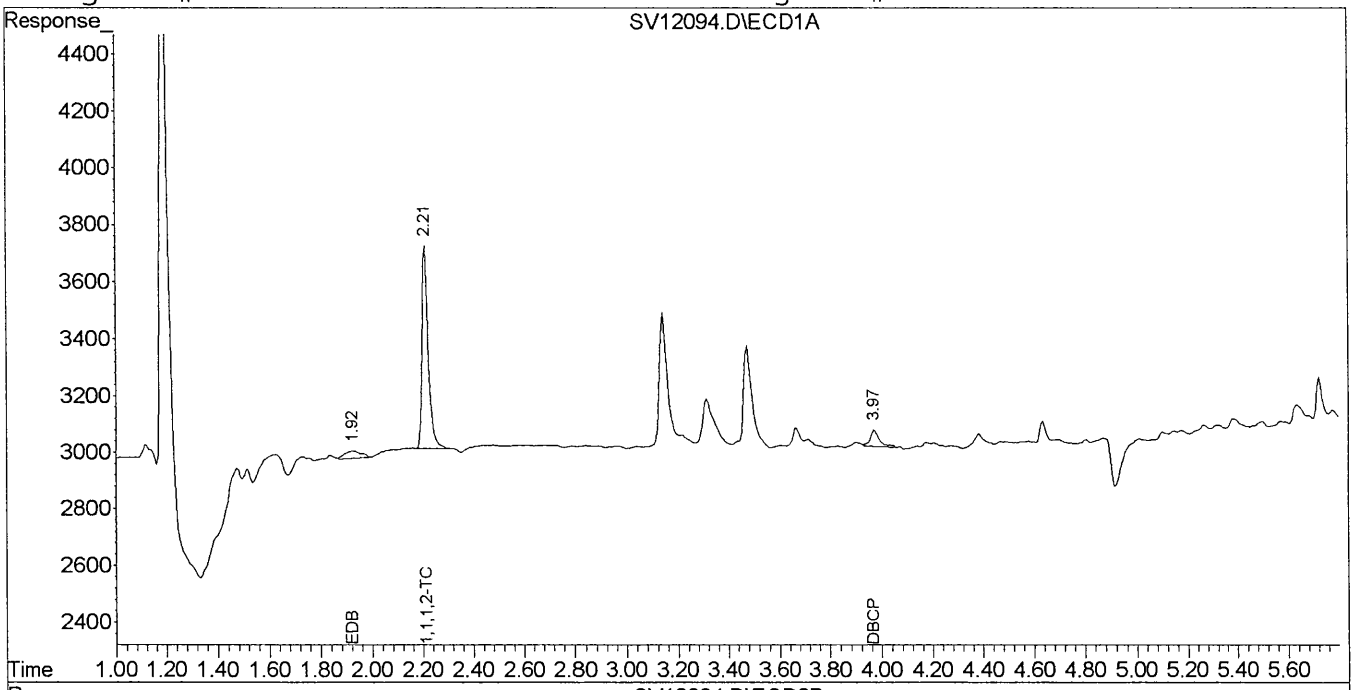
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

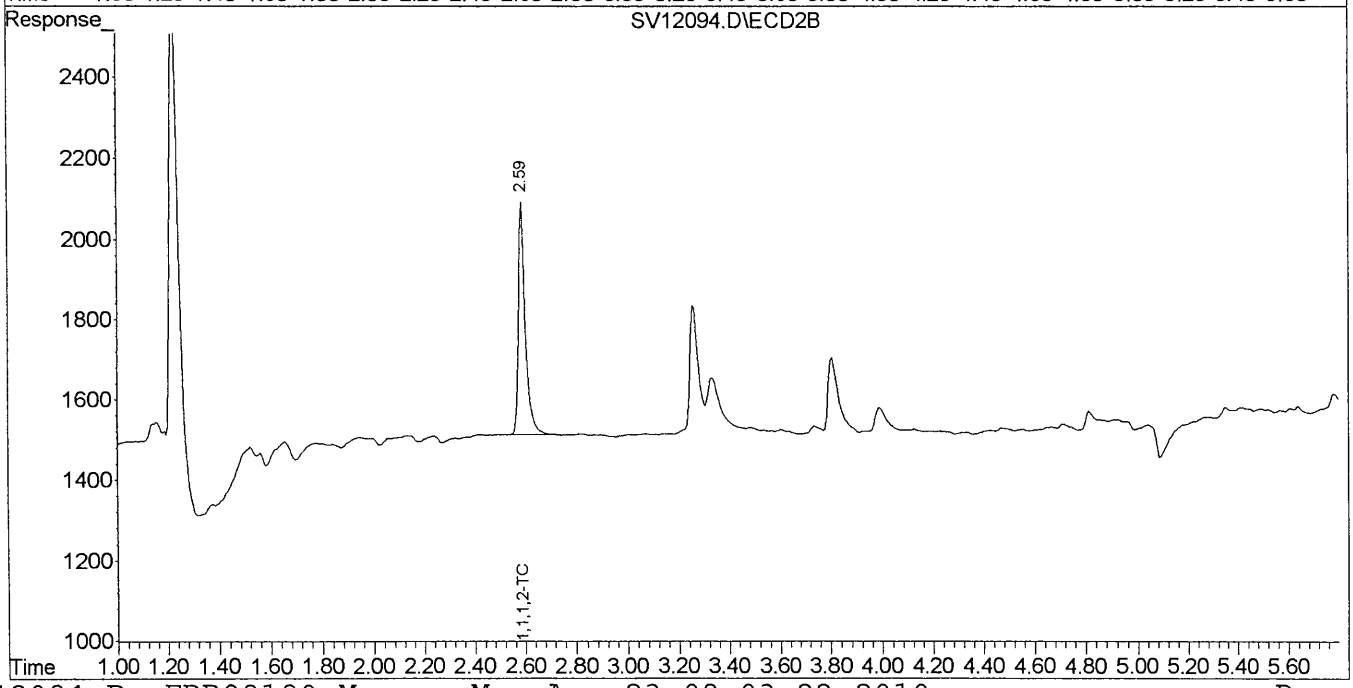
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12094.D\ECD1A.CH Vial: 7
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12094.D\ECD2B.CH
Acq On : 20 Aug 2010 3:50 pm Operator:
Sample : 92049.03 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92049.04
Data File Name SV12095.D
Date Acquired 8/20/2010 4:05

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.095**	**95%**	**Pass**				
EDB	1.9296	1.8943	0.0200	**FAIL**	**0.014**			0.02			
DBCP	3.9733	3.9224	0.0200	**FAIL**	**0.012**			0.02			
1,1,1,2-TCA #2					**0.073**	**73%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12095.D\ECD1A.CH Vial: 8
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12095.D\ECD2B.CH
Acq On : 20 Aug 2010 4:05 pm Operator:
Sample : 92049.04 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	11849	10896	0.095	0.073
Spiked Amount 0.100	Range 65 - 135		Recovery =		95.00%	73.00%
Target Compounds						
1) TM EDB	1.93	0.00	1655	0	0.014	N.D. #
3) TM DBCP	3.97	0.00	1601	0	0.012	N.D. #

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JN

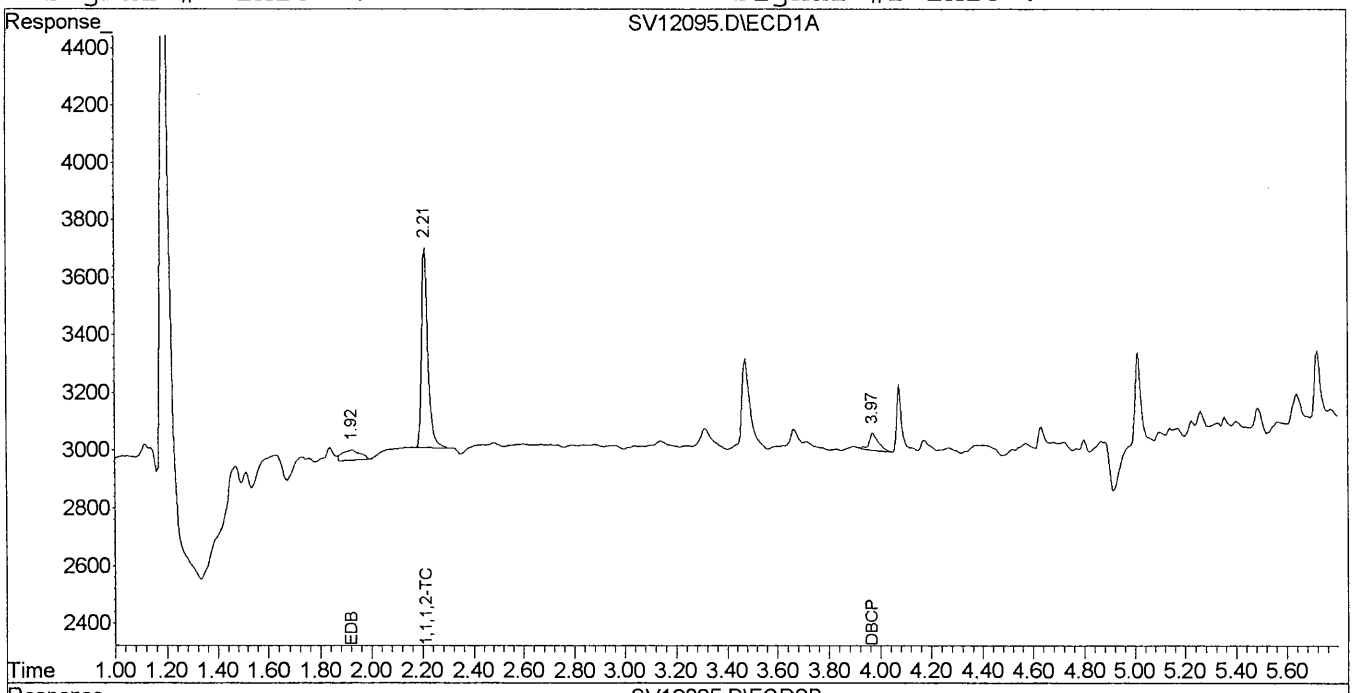
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

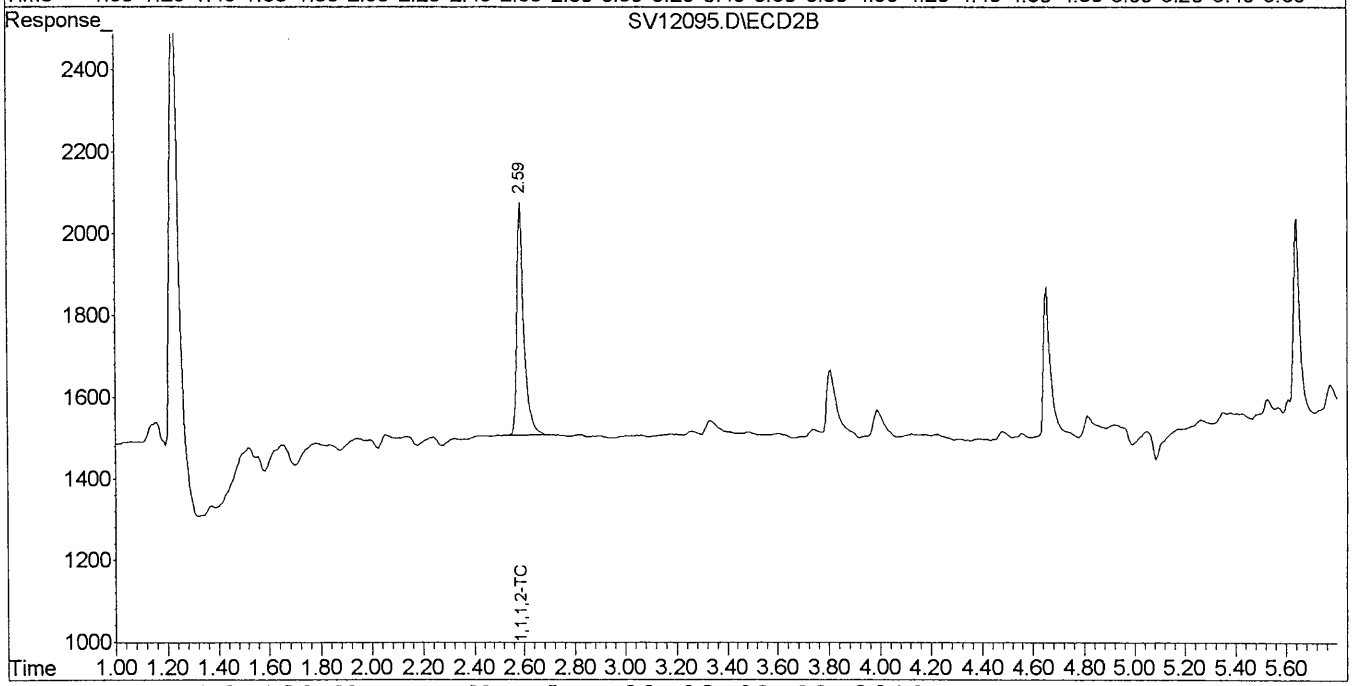
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12095.D\ECD1A.CH Vial: 8
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12095.D\ECD2B.CH
Acq On : 20 Aug 2010 4:05 pm Operator:
Sample : 92049.04 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92049.07
Data File Name SV12096.D
Date Acquired 8/20/2010 4:20

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.097**	**97%**	**Pass**				
EDB	1.9241	1.8943	0.0200	**FAIL**	**0.000**			0.02			
DBCP	3.9070	3.9224	0.0200	Pass	**0.000**			0.02			
1,1,1,2-TCA #2					**0.074**	**74%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	4.2717	4.3624	0.0100	**FAIL**	**0.004**			0.02			

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12096.D\ECD1A.CH Vial: 9
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12096.D\ECD2B.CH
Acq On : 20 Aug 2010 4:20 pm Operator:
Sample : 92049.07 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	12086	11111	0.097	0.074
Spiked Amount 0.100	Range 65 - 135		Recovery =		97.00%	74.00%
Target Compounds						
1) TM EDB	1.92	0.00	807	0	0.000	N.D. #
3) TM DBCP	3.91	4.27	635	628	0.000	0.004 #

✓
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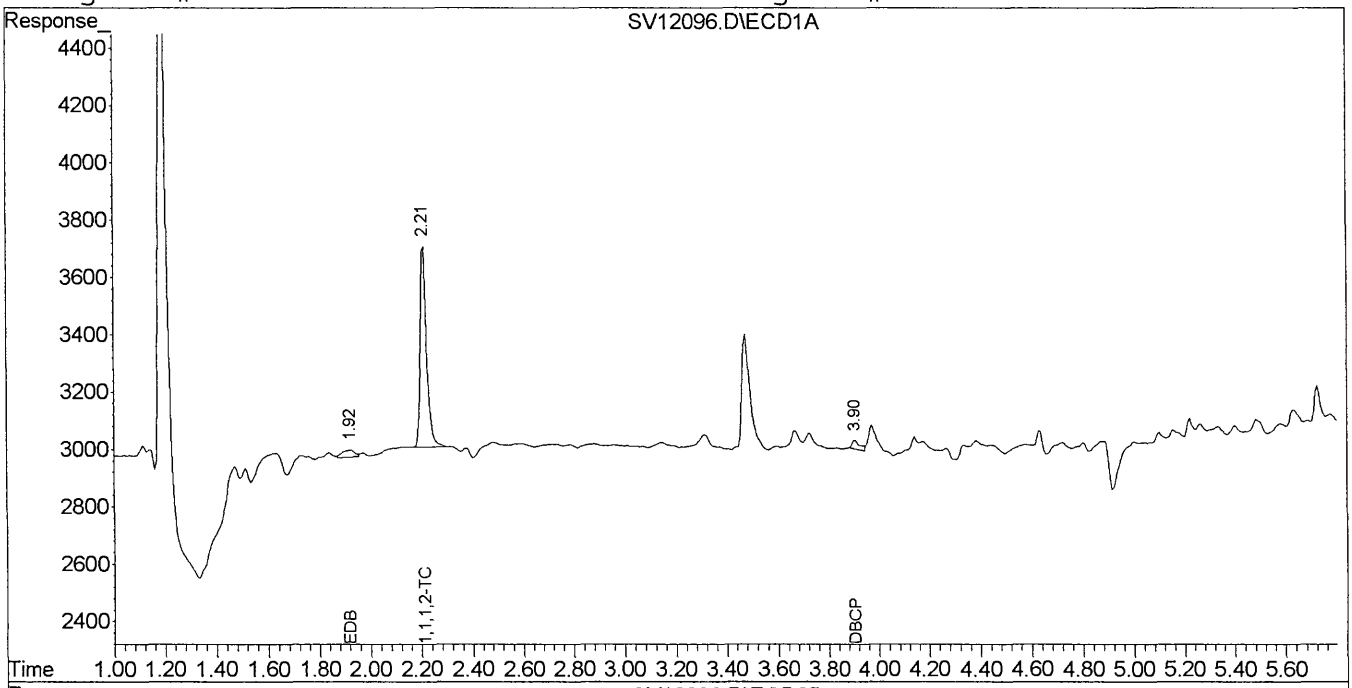
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

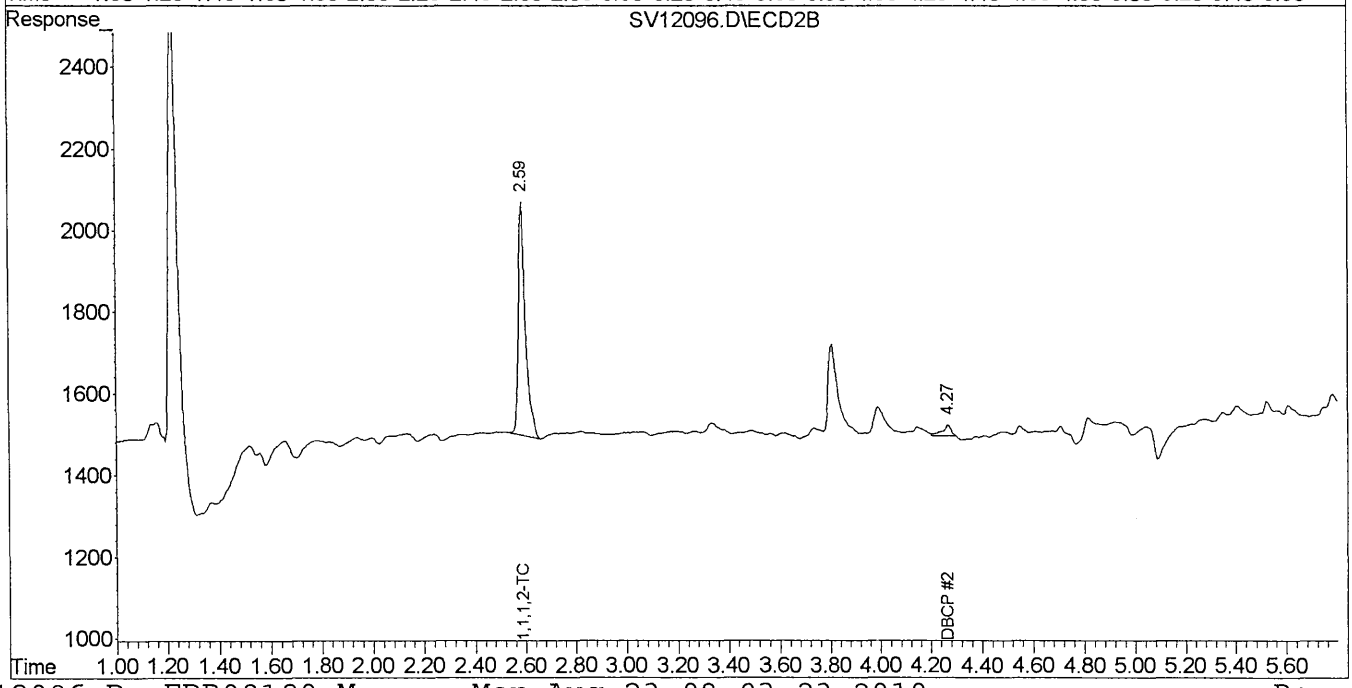
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12096.D\ECD1A.CH Vial: 9
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12096.D\ECD2B.CH
Acq On : 20 Aug 2010 4:20 pm Operator:
Sample : 92049.07 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92049.08
Data File Name SV12097.D
Date Acquired 8/20/2010 4:35

Dilution (1:X) 1

8/23/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.102**	**102%**	**Pass**				
EDB	1.9315	1.8943	0.0200	**FAIL**	**0.004**			0.02			
DBCP	3.9744	3.9224	0.0200	**FAIL**	**0.003**			0.02			
1,1,1,2-TCA #2					**0.076**	**76%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

NB

0824/10

C:\HPCHEM\CUSTRPT\EDB_SAMPLE.CRT

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12097.D\ECD1A.CH Vial: 10
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12097.D\ECD2B.CH
Acq On : 20 Aug 2010 4:35 pm Operator:
Sample : 92049.08 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	12649	11315	0.102	0.076 #
Spiked Amount 0.100	Range 65 - 135		Recovery =		102.00%	76.00%
Target Compounds						
1) TM EDB	1.93	0.00	1006	0	0.004	N.D. #
3) TM DBCP	3.97	0.00	862	0	0.003	N.D. #

✓ 8/24/10

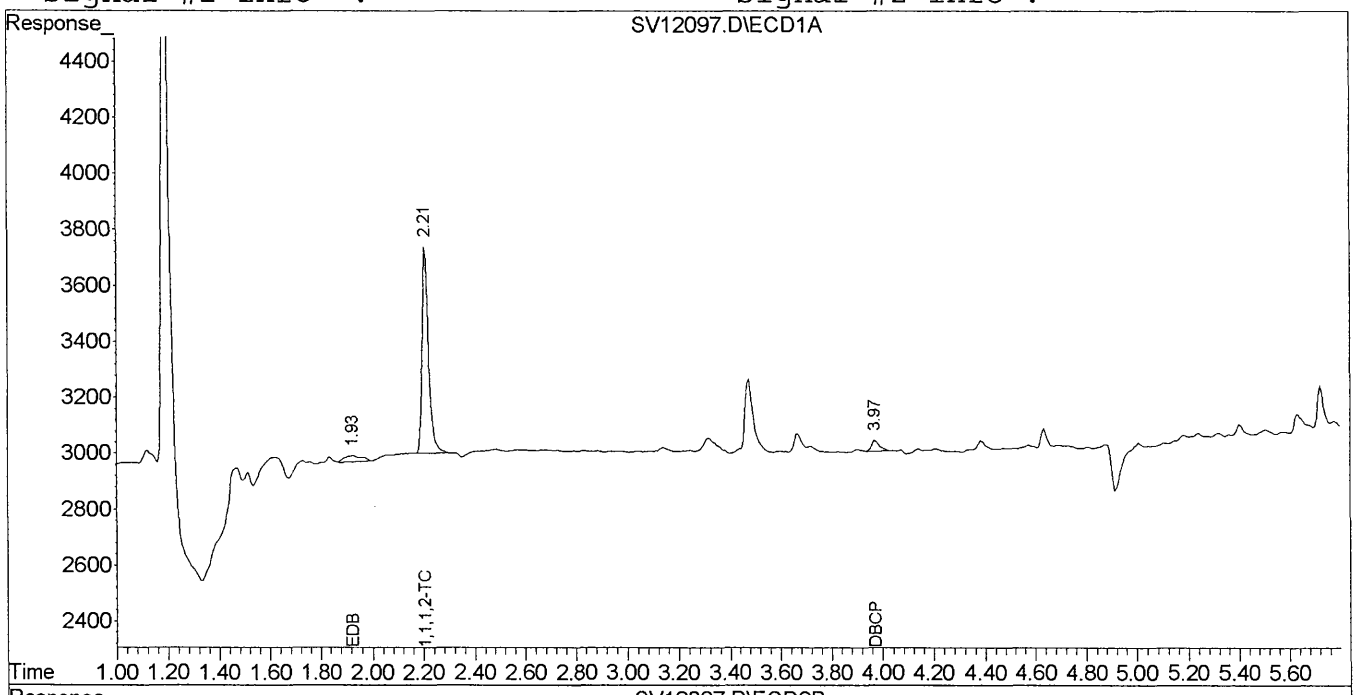
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

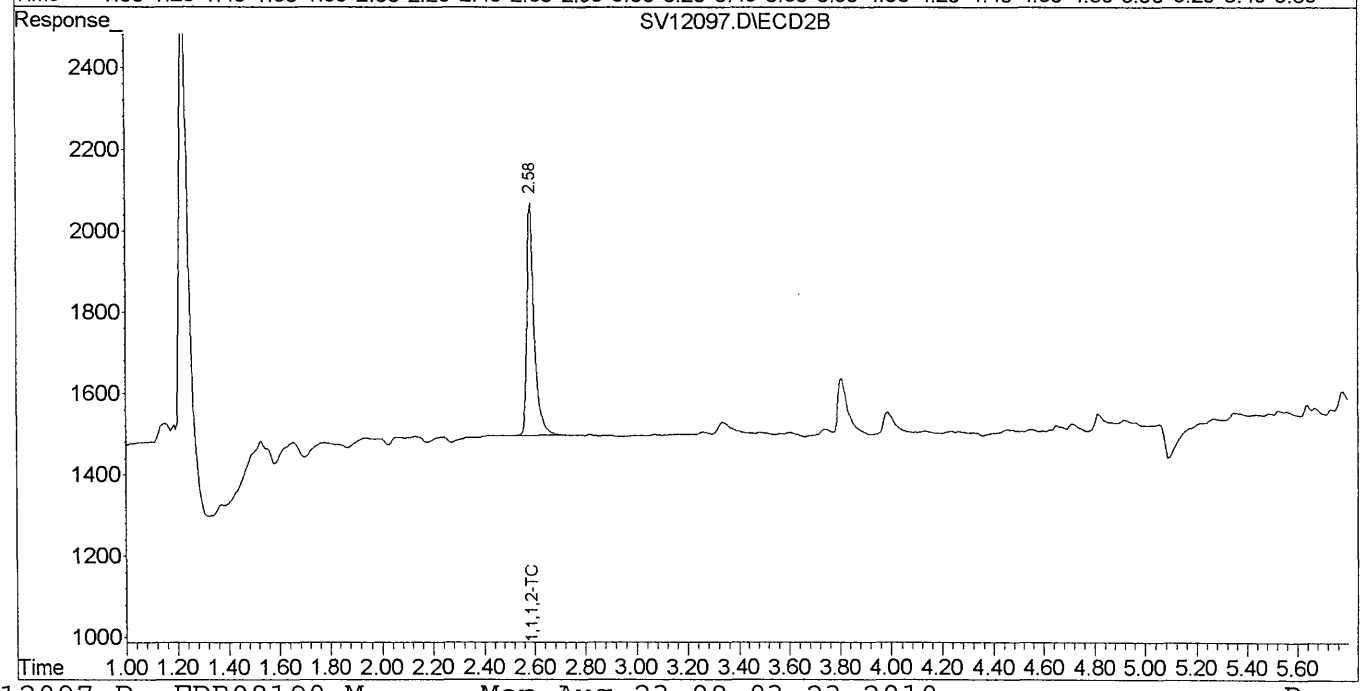
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12097.D\ECD1A.CH Vial: 10
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12097.D\ECD2B.CH
Acq On : 20 Aug 2010 4:35 pm Operator:
Sample : 92049.08 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92049.09
Data File Name SV12098.D
Date Acquired 8/20/2010 4:50

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.101**	**101%**	**Pass**				
EDB	1.9324	1.8943	0.0200	**FAIL**	**-0.005**			0.02			
DBCP	3.9734	3.9224	0.0200	**FAIL**	**-0.002**			0.02			
1,1,1,2-TCA #2					**0.076**	**76%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

NB

082410 JW

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12098.D\ECD1A.CH Vial: 11
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12098.D\ECD2B.CH
Acq On : 20 Aug 2010 4:50 pm Operator:
Sample : 92049.09 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	12587	11331	0.101	0.076
Spiked Amount 0.100	Range 65 - 135		Recovery =		101.00%	76.00%
Target Compounds						
1) TM EDB	1.93	0.00	518	0	N.D.	N.D.
3) TM DBCP	3.97	0.00	440	0	N.D.	N.D.

1
08.24.10

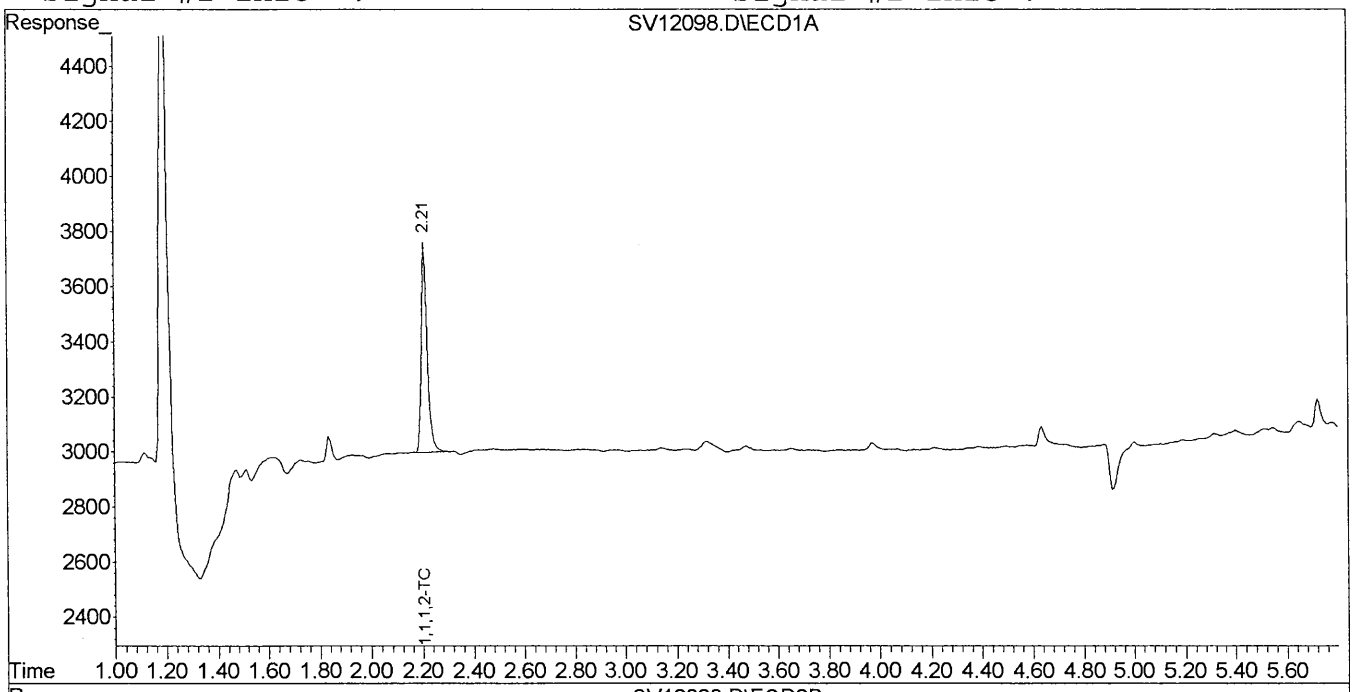
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

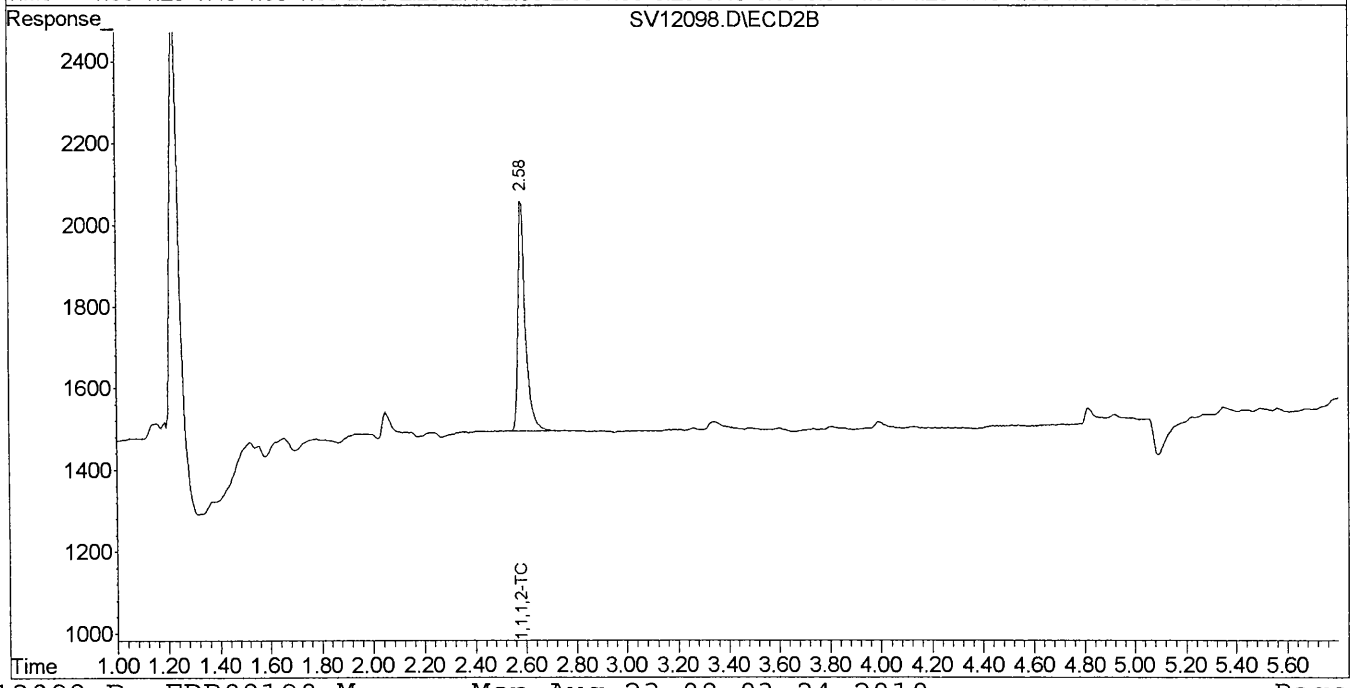
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12098.D\ECD1A.CH Vial: 11
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12098.D\ECD2B.CH
Acq On : 20 Aug 2010 4:50 pm Operator:
Sample : 92049.09 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92049.15
Data File Name SV12099.D
Date Acquired 8/20/2010 5:21

Dilution (1:X) 1

8/23/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.092**	**92%**	**Pass**				
EDB	1.9310	1.8943	0.0200	**FAIL**	**-0.004**			0.02			
DBCP	3.9757	3.9224	0.0200	**FAIL**	**-0.002**			0.02			
1,1,1,2-TCA #2					**0.069**	**69%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

NB

082410

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12099.D\ECD1A.CH Vial: 12
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12099.D\ECD2B.CH
Acq On : 20 Aug 2010 5:21 pm Operator:
Sample : 92049.15 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	11516	10263	0.092	0.069 #
Spiked Amount 0.100	Range 65 - 135		Recovery =		92.00%	69.00%
Target Compounds						
1) TM EDB	1.93	0.00	523	0	N.D.	N.D.
3) TM DBCP	3.98	0.00	423	0	N.D.	N.D.

082410

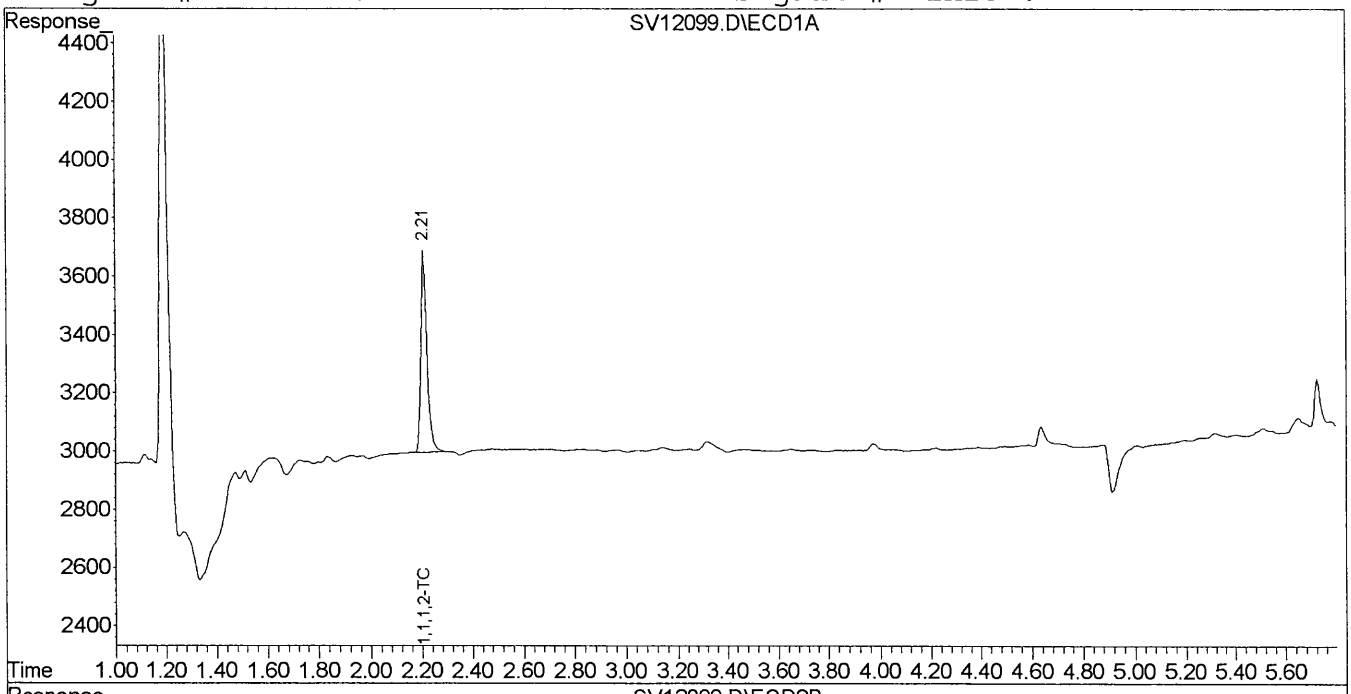
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

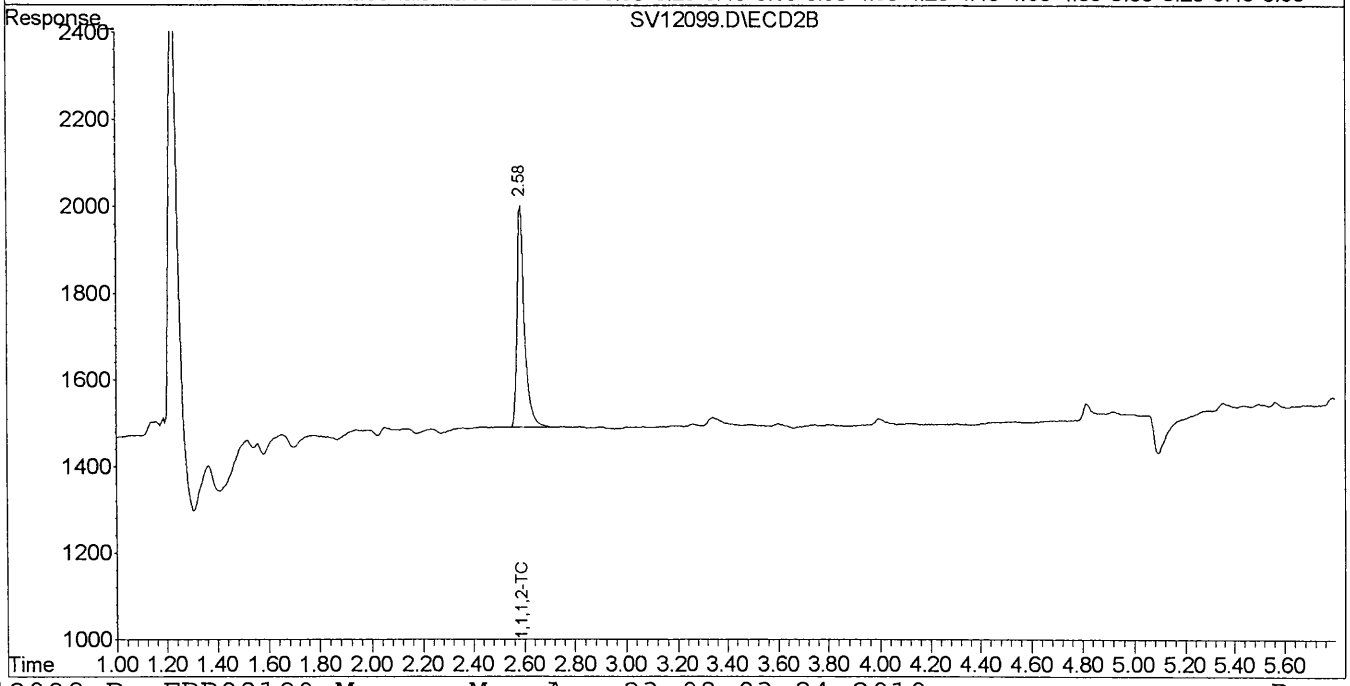
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12099.D\ECD1A.CH Vial: 12
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12099.D\ECD2B.CH
Acq On : 20 Aug 2010 5:21 pm Operator:
Sample : 92049.15 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

8/23/10

Sample Name 92049.17
Data File Name SV12102.D
Date Acquired 8/20/2010 6:06

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.093**	**93%**	**Pass**				
EDB	1.9241	1.8943	0.0200	**FAIL**	**-0.001**			0.02			
DBCP	3.9376	3.9224	0.0200	Pass	**-0.002**			0.02			
1,1,1,2-TCA #2					**0.068**	**68%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	4.3920	4.3624	0.0100	**FAIL**	**0.005**			0.02			

NB

✓ 082410
JW

C:\HPCHEM\CUSTRPT\EDB_SAMPLE.CRT

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12102.D\ECD1A.CH Vial: 13
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12102.D\ECD2B.CH
Acq On : 20 Aug 2010 6:06 pm Operator:
Sample : 92049.17 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	11673	10221	0.093	0.068 #
Spiked Amount 0.100	Range 65 - 135		Recovery =		93.00%	68.00%
Target Compounds						
1) TM EDB	1.92	0.00	725	0	N.D.	N.D.
3) TM DBCP	3.94	4.39	461	725	N.D.	0.005

✓ 082410 SW

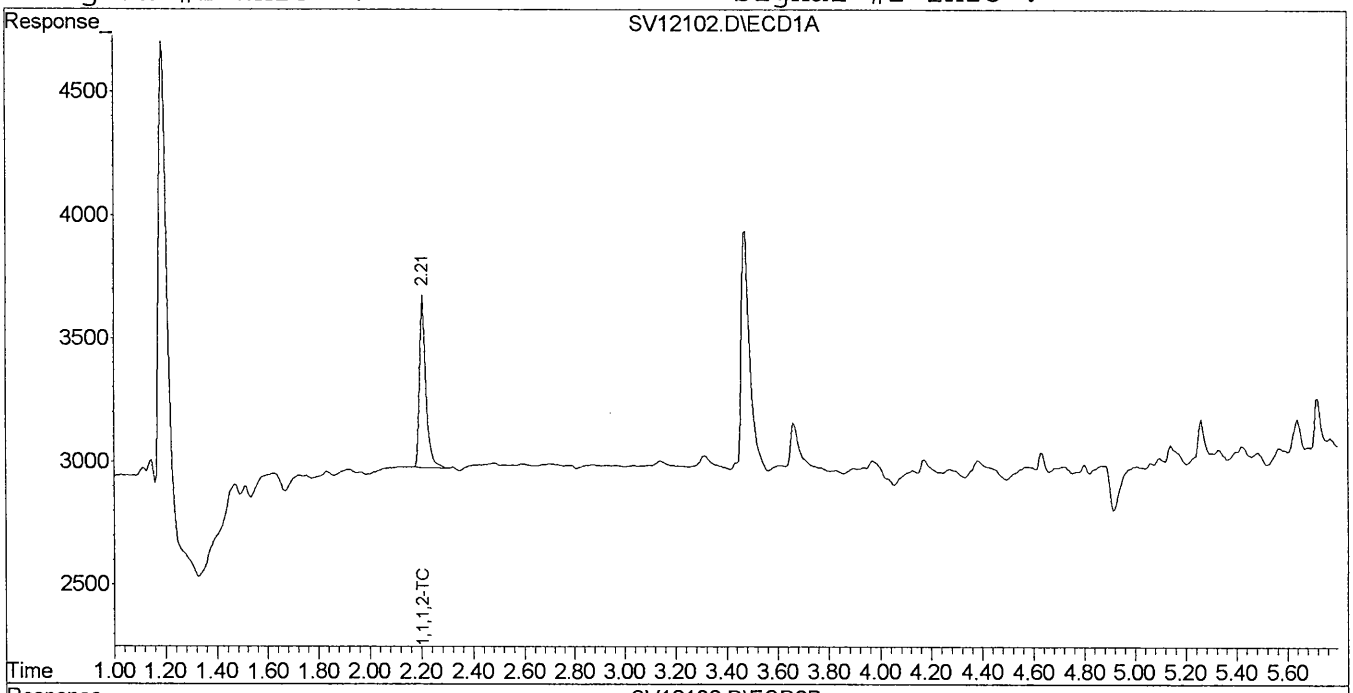
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

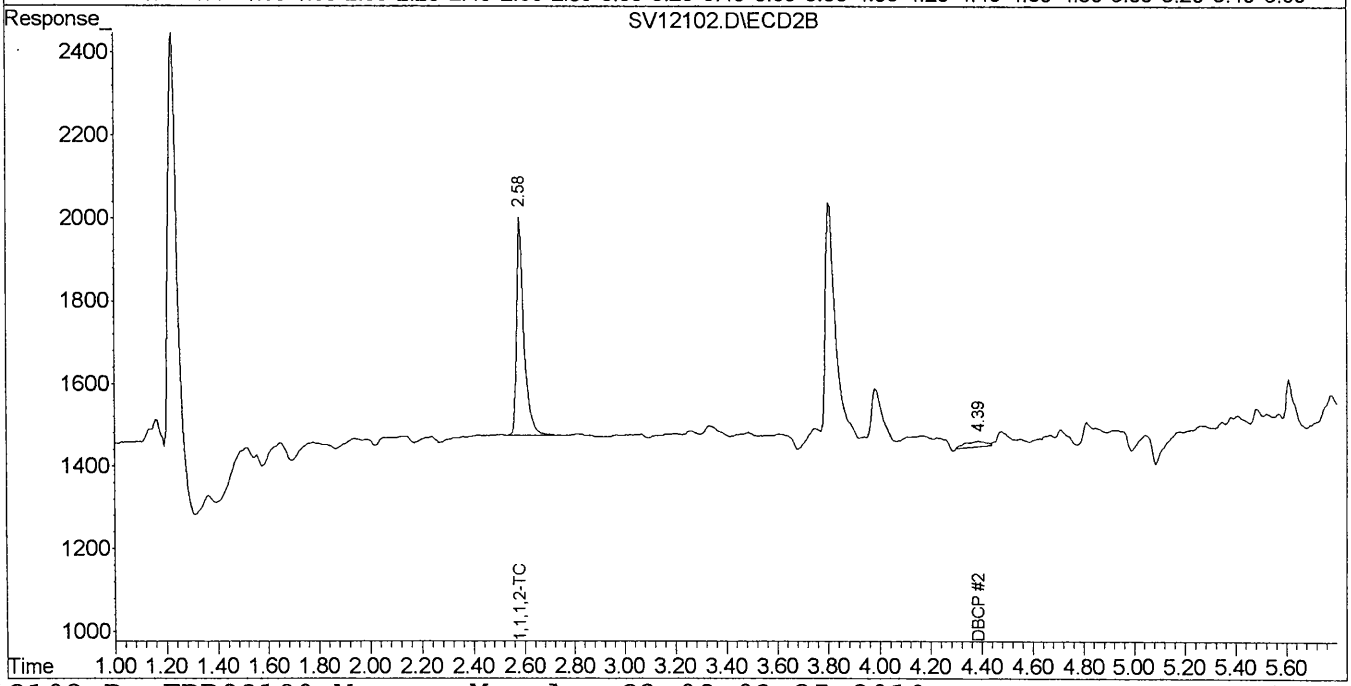
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12102.D\ECD1A.CH Vial: 13
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12102.D\ECD2B.CH
Acq On : 20 Aug 2010 6:06 pm Operator:
Sample : 92049.17 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92049.18
Data File Name SV12105.D
Date Acquired 8/20/2010 6:51

Dilution (1:X) 1

8/23/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.097**	**97%**	**Pass**				
EDB	1.9171	1.8943	0.0200	**FAIL**	**0.003**			0.02			
DBCP	3.9365	3.9224	0.0200	Pass	**-0.002**			0.02			
1,1,1,2-TCA #2					**0.069**	**69%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	4.3938	4.3624	0.0100	**FAIL**	**0.003**			0.02			

NB

D8240

C:\HPCHEM\CUSTRPT\EDB_SAMPLE.CRT

8/23/10 8:09 AM

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12105.D\ECD1A.CH Vial: 16
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12105.D\ECD2B.CH
Acq On : 20 Aug 2010 6:51 pm Operator:
Sample : 92049.18 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	12084	10365	0.097	0.069 #
Spiked Amount 0.100	Range 65 - 135		Recovery =		97.00%	69.00%
Target Compounds						
1) TM EDB	1.92	0.00	960	0	0.003	N.D. #
3) TM DBCP	3.94	4.39	455	574	N.D.	0.003

✓
DB2410
GV

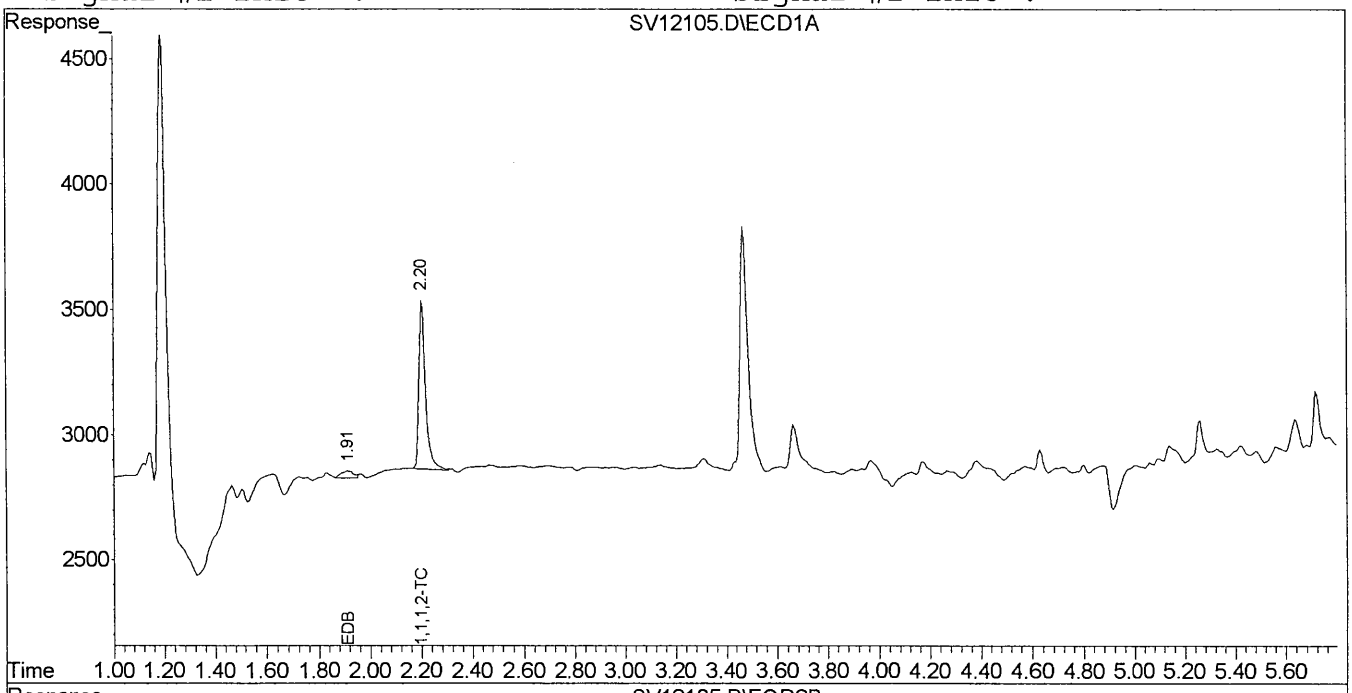
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

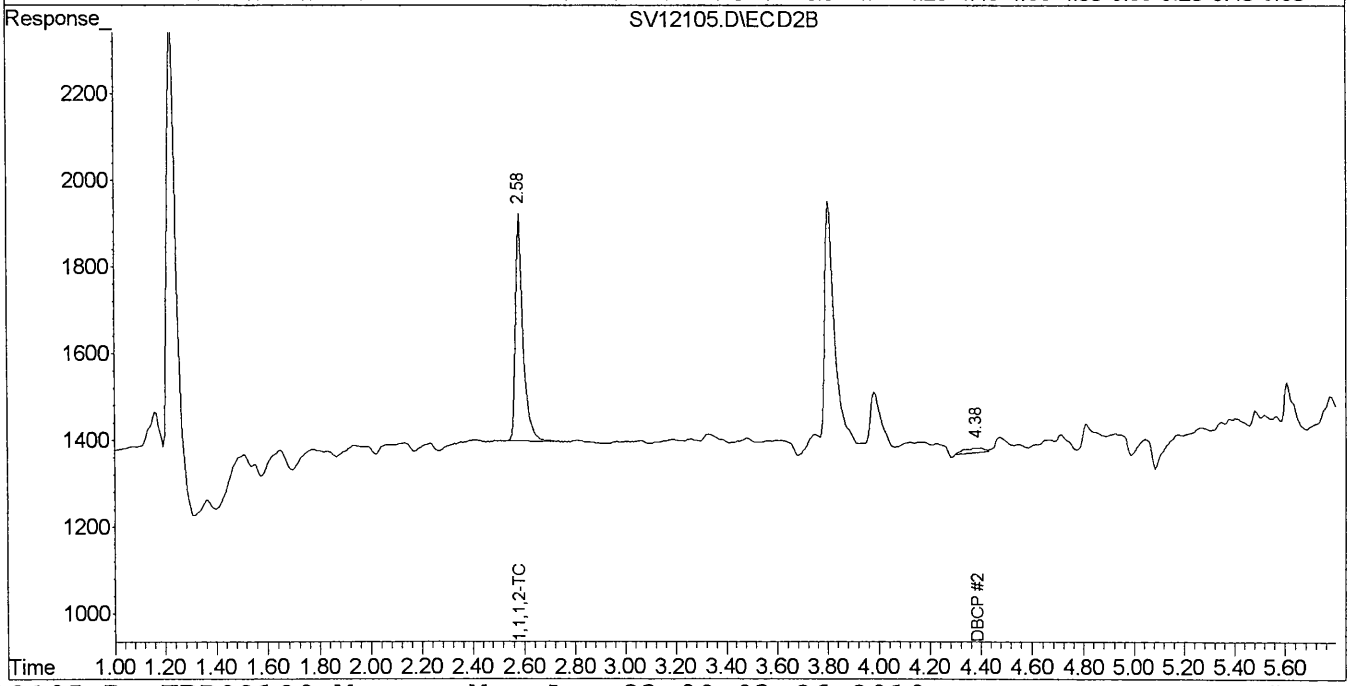
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12105.D\ECD1A.CH Vial: 16
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12105.D\ECD2B.CH
Acq On : 20 Aug 2010 6:51 pm Operator:
Sample : 92049.18 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92049.21
Data File Name SV12106.D
Date Acquired 8/20/2010 7:06

Dilution (1:X) 1

8/23/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.095**	**95%**	**Pass**				
EDB	1.9222	1.8943	0.0200	**FAIL**	**0.002**			0.02			
DBCP	3.9714	3.9224	0.0200	**FAIL**	**-0.001**			0.02			
1,1,1,2-TCA #2					**0.068**	**68%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

NB

68241D

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12106.D\ECD1A.CH Vial: 17
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12106.D\ECD2B.CH
Acq On : 20 Aug 2010 7:06 pm Operator:
Sample : 92049.21 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
2) S 1,1,1,2-TCA	2.21	2.58	11846	10234	0.095	0.068	#
Spiked Amount 0.100	Range 65 - 135		Recovery =		95.00%	68.00%	
Target Compounds							
1) TM EDB	1.92	0.00	889	0	0.002	N.D.	#
3) TM DBCP	3.97	0.00	504	0	N.D.	N.D.	

✓
08240
JW

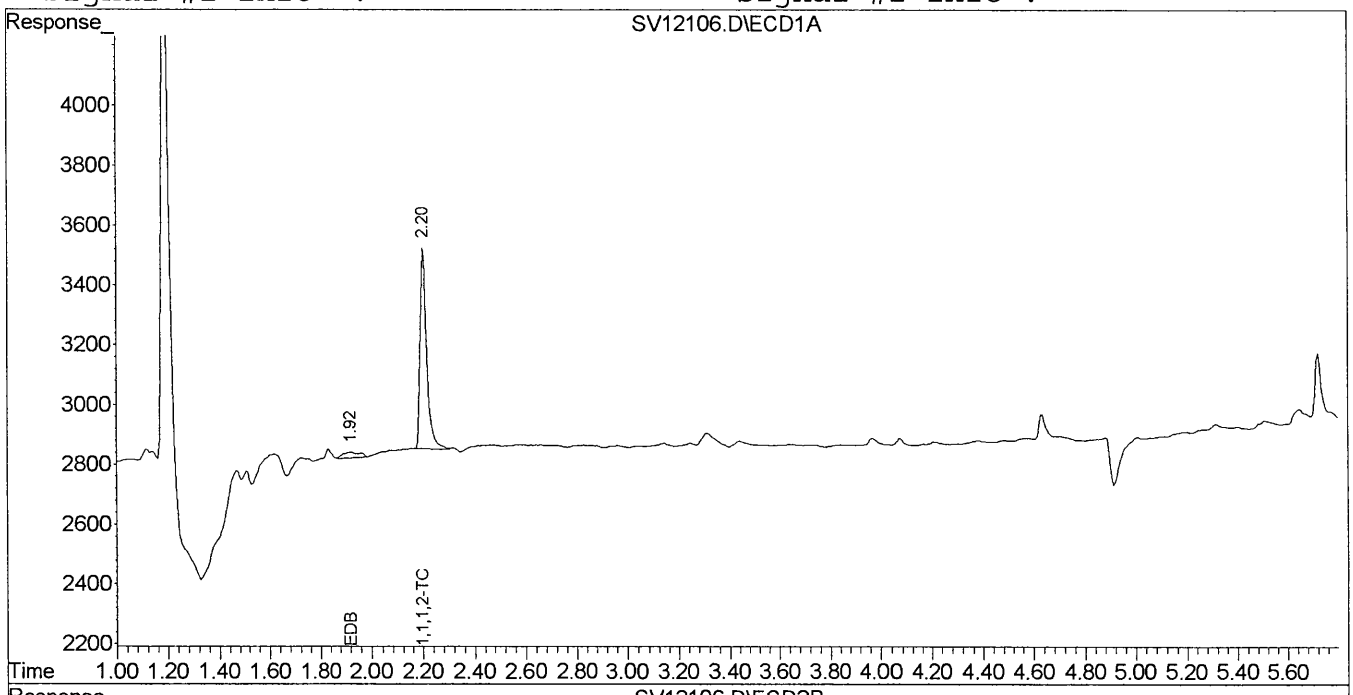
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

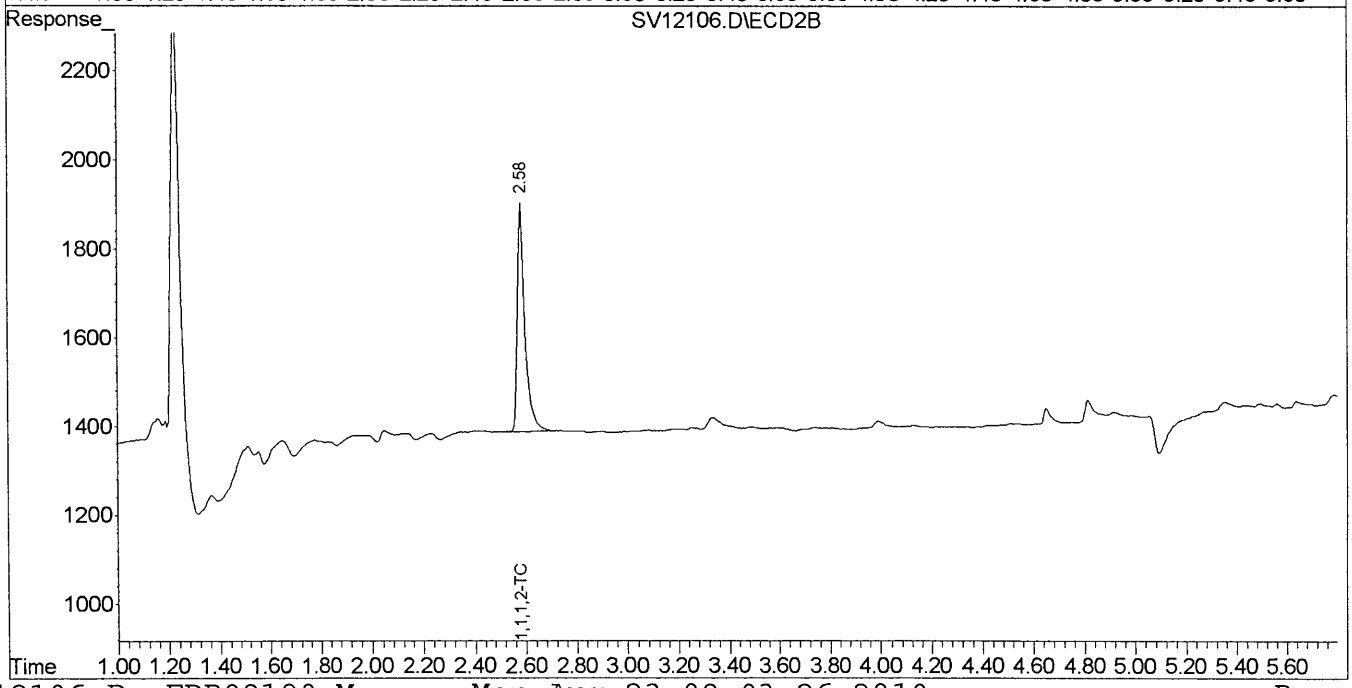
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12106.D\ECD1A.CH Vial: 17
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12106.D\ECD2B.CH
Acq On : 20 Aug 2010 7:06 pm Operator:
Sample : 92049.21 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92049.24
Data File Name SV12107.D
Date Acquired 8/20/2010 7:21

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.101**	**101%**	**Pass**				
EDB	1.9222	1.8943	0.0200	**FAIL**	**-0.004**			0.02			
DBCP	0.0000	3.9224	0.0200	**FAIL**	**0.000**			0.02			
1,1,1,2-TCA #2					**0.073**	**73%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

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Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12107.D\ECD1A.CH Vial: 18
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12107.D\ECD2B.CH
Acq On : 20 Aug 2010 7:21 pm Operator:
Sample : 92049.24 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.20	2.58	12511	10851	0.101	0.073 #
Spiked Amount 0.100	Range 65 - 135		Recovery =		101.00%	73.00%
Target Compounds						
1) TM EDB	1.92	0.00	536	0	N.D.	N.D.
3) TM DBCP	0.00	0.00	0	0	N.D.	N.D.

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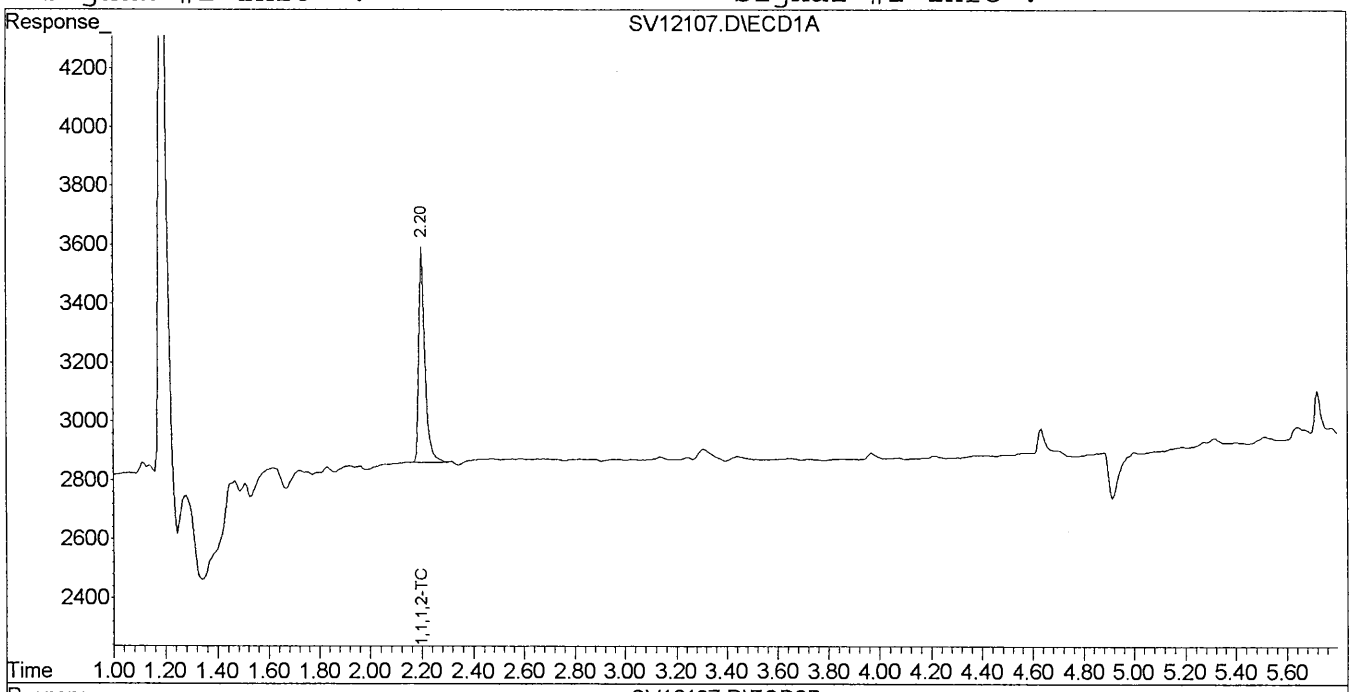
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

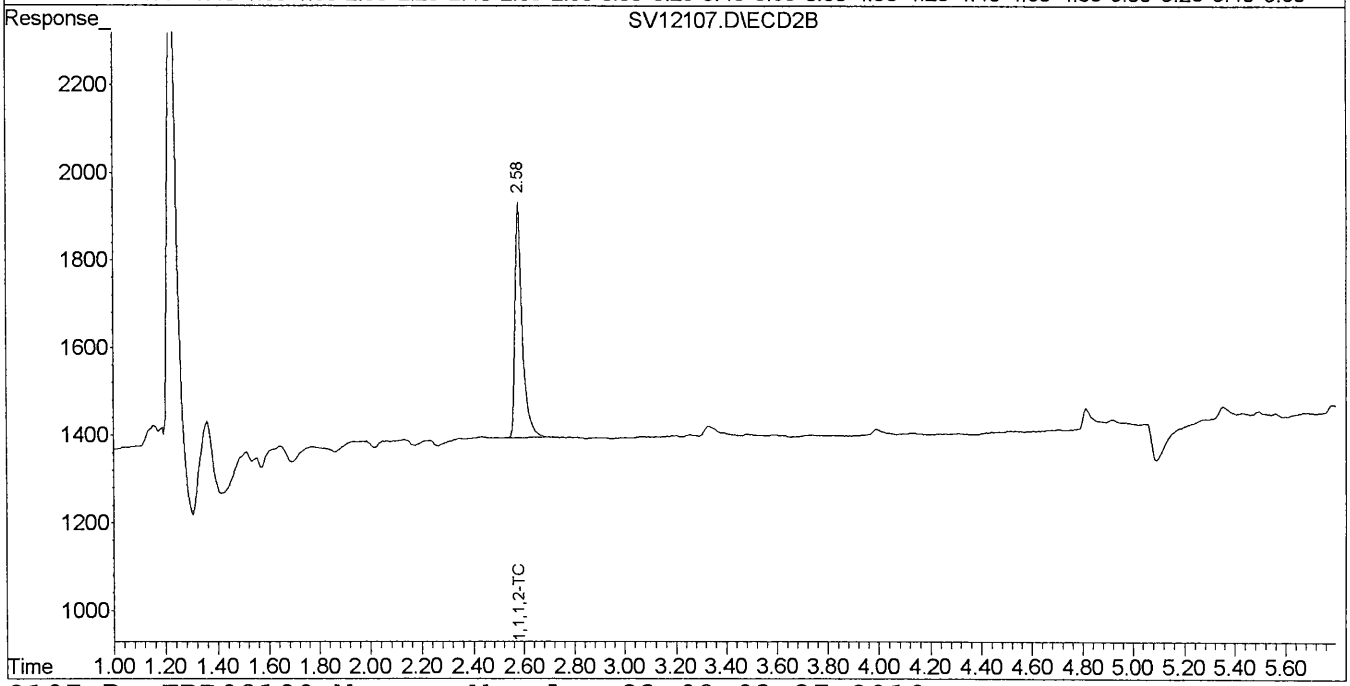
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12107.D\ECD1A.CH Vial: 18
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12107.D\ECD2B.CH
Acq On : 20 Aug 2010 7:21 pm Operator:
Sample : 92049.24 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92049.25
Data File Name SV12108.D
Date Acquired 8/20/2010 7:36

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.100**	**100%**	**Pass**				
EDB	1.9222	1.8943	0.0200	**FAIL**	**-0.001**			0.02			
DBCP	3.9720	3.9224	0.0200	**FAIL**	**0.001**			0.02			
1,1,1,2-TCA #2					**0.072**	**72%**	**Pass**				
EDB #2	0.0000	2.2956	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

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Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12108.D\ECD1A.CH Vial: 19
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12108.D\ECD2B.CH
Acq On : 20 Aug 2010 7:36 pm Operator:
Sample : 92049.25 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
2) S 1,1,1,2-TCA	2.20	2.58	12402	10766	0.100	0.072	#
Spiked Amount 0.100	Range 65 - 135		Recovery =		100.00%	72.00%	
Target Compounds							
1) TM EDB	1.92	0.00	746	0	N.D.	N.D.	
3) TM DBCP	3.97	0.00	730	0	0.001	N.D.	#

✓ D82410 JV

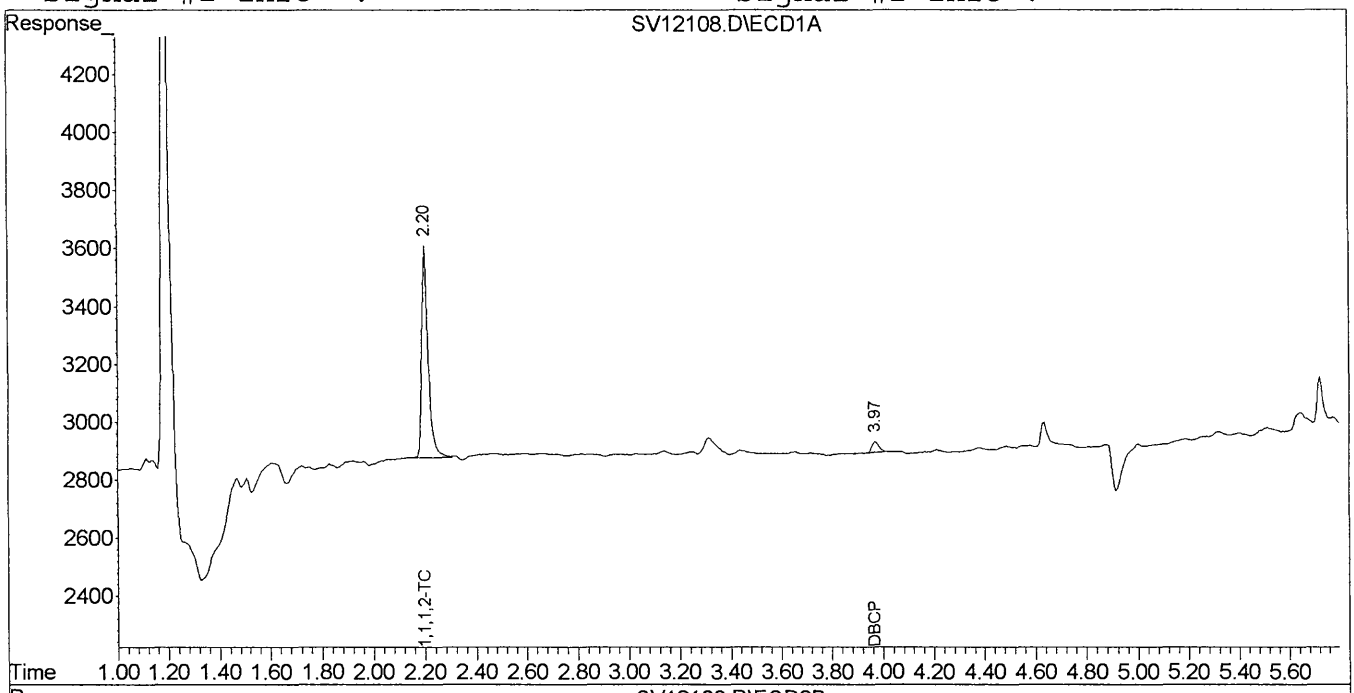
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

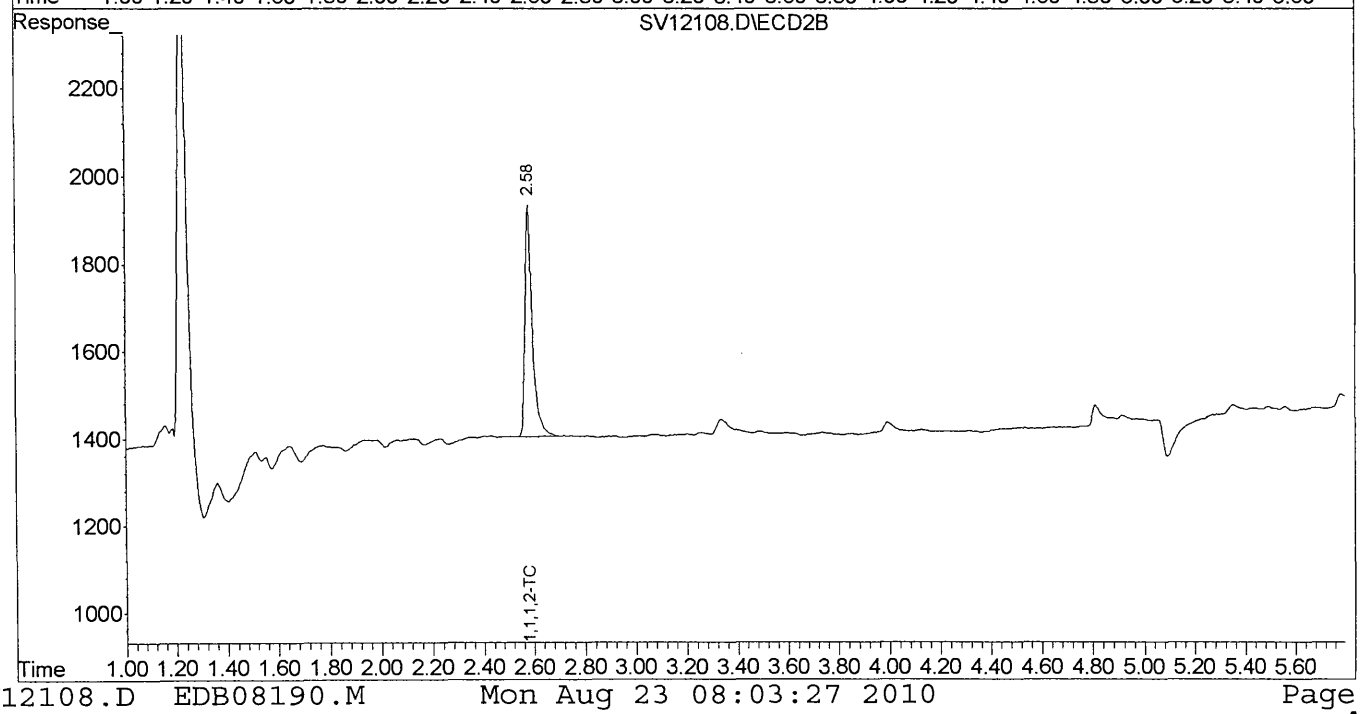
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082010\SV12108.D\ECD1A.CH Vial: 19
Signal #2 : D:\HPCHEM\1\DATA\082010\SV12108.D\ECD2B.CH
Acq On : 20 Aug 2010 7:36 pm Operator:
Sample : 92049.25 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 8:00 2010 Quant Results File: EDB08190.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08190.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 07:57:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Metals

Summary Tables

Sample/Batch Report

User Name: ICPMS1
Computer Name: ICPMS1
Sample File: C:\elandata\Sample\AQUIRE_August242010.1HCl.sam
Report Date/Time: Wednesday, September 08, 2010 11:22:43

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
		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	6/23 A	Sample					
29		BLK	6/23 B	Sample					
30		BLK	6/24 A	Sample					
31		Ag LCS	6/23 A	Sample					
32		Ag LCS	6/23 B	Sample					
33		Ag LCS	6/24 A	Sample					
34		LCS	6/23 A	Sample					
35		LCS	6/23 B	Sample					
36		LCS	6/24 A	Sample					
37		flush		Sample					
38		flush		Sample					
39		flush		Sample					
40		92120.01		Sample					
41		92120.02		Sample					
42		92049.01	AqTot	Sample					
43		92049.02	AqTot	Sample					
44		92049.03	AqTot	Sample					
45		92049.04	AqTot	Sample					
46		92049.05	AqTot	Sample					
47		92049.06	AqTot	Sample					
48		92049.07	AqTot	Sample					
49		92049.07 MS	AqTot	Sample					

50	92049.07 MSI	AqTot	Sample
51	flush		Sample
52	flush		Sample
53	flush		Sample
54	92049.08	AqTot	Sample
55	92049.09	AqTot	Sample
56	92049.10	AqTot	Sample
57	92049.11	AqTot	Sample
58	92049.12	AqTot	Sample
59	92049.13	AqTot	Sample
60	92049.14	AqTot	Sample
61	92049.15	AqTot	Sample
62	92049.16	AqTot	Sample
63	92049.17	AqTot	Sample
64	92049.17 MS	AqTot pre	Sample
65	92049.17 MSI	AqTot pre	Sample
66	flush		Sample
67	92049.17 MS	AqTot post	Sample
68	92049.17 MSI	AqTot post	Sample
69	flush		Sample
70	flush		Sample
71	flush		Sample
72	92049.18	AqTot	Sample
73	92049.19	AqTot	Sample
74	92049.20	AqTot	Sample
75	92049.21	AqTot	Sample
76	92049.24	AqTot	Sample
77	92049.25	AqTot	Sample
78	92079.01	AqTot	Sample
79	92079.02	AqTot	Sample
80	92079.03	AqTot	Sample
81	92079.03 MS	AqTot pre	Sample
82	92079.03 MSI	AqTot pre	Sample
83	flush		Sample
84	92079.03 MS	AqTot post	Sample
85	92079.03 MSI	AqTot post	Sample
86	flush		Sample
87	flush		Sample
88	flush		Sample
89	92079.04	AqTot	Sample
90	92079.05	AqTot	Sample
91	92079.06	AqTot	Sample
92	92079.07	AqTot	Sample
93	92049.01	AqDis	Sample
94	92049.02	AqDis	Sample
95	92049.03	AqDis	Sample
96	92049.04	AqDis	Sample
97	92049.04 MS	AqDis	Sample
98	92049.04 MSI	AqDis	Sample
99	flush		Sample
100	flush		Sample
101	flush		Sample
102	92049.05	AqDis	Sample
103	92049.08	AqDis	Sample
104	92049.09	AqDis	Sample
105	92049.10	AqDis	Sample
106	92049.11	AqDis	Sample
107	92049.12	AqDis	Sample
108	92049.16	AqDis	Sample
109	92049.17	AqDis	Sample

110	92049.17 MS	AqDis	Sample
111	92049.17 MSl	AqDis	Sample
112	flush		Sample
113	flush		Sample
114	flush		Sample
115	92049.18	AqDis	Sample
116	92049.19	AqDis	Sample
117	92049.20	AqDis	Sample
118	92049.21	AqDis	Sample
119	92049.24	AqDis	Sample
120	92049.25	AqDis	Sample
121	92079.02	AqDis	Sample
122	92079.03	AqDis	Sample
123	92079.03 MS	AqDis	Sample
124	92079.03 MSl	AqDis	Sample
125	flush		Sample
126	flush		Sample
127	flush		Sample
128	92079.04	AqDis	Sample
129	92079.05	AqDis	Sample
130	92079.06	AqDis	Sample
131	92079.07	AqDis	Sample
132	92049.04	AqTot 1:10	Sample
133	92049.07	AqTot 1:10	Sample
134	92049.13	AqTot 1:10	Sample
135	92049.14	AqTot 1:10	Sample
136	92049.16	AqTot 1:10	Sample
137	92049.17	AqTot 1:10	Sample
138	92049.18	AqTot 1:10	Sample
139	92049.19	AqTot 1:10	Sample
140	92049.20	AqTot 1:10	Sample
141	92079.01	AqTot 1:10	Sample
142	92049.17 MS	AqTot 1:10	Sample
143	92049.17 MSl	AqTot 1:10	Sample
144	flush		Sample
145	92049.01	AqTot 1:1	Sample
146	92049.02	AqTot 1:1	Sample
147	92049.06	AqTot 1:1	Sample
148	92049.08	AqTot 1:1	Sample
149	92079.02	AqTot 1:1	Sample
150	92079.03	AqTot 1:1	Sample
151	92079.04	AqTot 1:1	Sample
152	92079.03 MS	AqTot 1:10	Sample
153	92079.03 MSl	AqTot 1:10	Sample
154	flush		Sample
155	flush		Sample
156	92079.05	Ag Check	Sample
157	92079.06	Ag Check	Sample
158	92079.07	Ag Check	Sample
159			Sample
160			Sample

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Tuesday, August 24, 2010 12:00:37
Sample Description:
Method File: C:\Elandata\Method\EPA200 DAILY.mth
Dataset File: C:\Elandata\Dataset\daily performance\Sample.001
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	64364.9	64364.876	467.923	0.7
	Rh	102.9	353462.2	353462.158	1299.185	0.4
	In	114.9	442433.2	442433.205	1368.874	0.3
	Pb	208.0	227214.4	227214.396	1880.269	0.8
⌈>	Ba	137.9	365639.6	365639.611	1063.994	0.3
⌊	Ba++	69.0	4590.2	0.013	0.000	1.9
⌈>	Ce	139.9	435953.4	435953.376	1753.438	0.4
⌊	CeO	155.9	12653.3	0.029	0.000	1.1
	Bkgd	220.0	5.2	5.201	2.864	55.1

Current Optimization File Data

Current Value	Description
1.01	Nebulizer Gas Flow
6.50	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	13	5.5	5271.0
Co	59	13	6.0	159352.0
In	115	13	6.5	442306.9

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	604	2087	0.607	
Mg	23.985	24.028	5739	2024	0.617	
Rh	102.905	102.928	25068	1900	0.642	
Ce	139.905	139.879	34042	1961	0.644	
Pb	207.977	207.977	50458	2247	0.594	

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Blank Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID:	QC Std 1	Sample ID:	QC Std 1
Sample Date/Time:	Tuesday, August 24, 2010 13:20:53	Sample Date/Time:	Tuesday, August 24, 2010 15:01:27
Sample Description:	CCB	Sample Description:	CCB

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	99.663
Hg	< 0.2	ug/L	
Ho		ug/L	99.196
In		ug/L	99.088
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	99.948
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Concentration Results			Int Std
Analyte	RL	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	101.686
Hg	< 0.2	ug/L	
Ho		ug/L	100.452
In		ug/L	99.429
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	104.115
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Sample ID:	QC Std 1		
Sample Date/Time:	Tuesday, August 24, 2010 15:29:42		
Sample Description:	CCB		

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	102.23
Hg	< 0.2	ug/L	
Ho		ug/L	99.869
In		ug/L	99.778
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	103.194
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

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Blank Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID:	QC Std 1	Sample ID:	QC Std 1
Sample Date/Time:	Tuesday, August 24, 2010 17:21:23	Sample Date/Time:	Tuesday, August 24, 2010 18:54:30
Sample Description:	CCB	Sample Description:	CCB

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	95.453
Hg	< 0.2	ug/L	
Ho		ug/L	98.689
In		ug/L	98.498
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	98.226
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	96.495
Hg	< 0.2	ug/L	
Ho		ug/L	95.461
In		ug/L	95.619
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	96.393
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Sample ID:	QC Std 1		
Sample Date/Time:	Tuesday, August 24, 2010 20:27:56		
Sample Description:	CCB		

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	100.209
Hg	< 0.2	ug/L	
Ho		ug/L	100.639
In		ug/L	97.97
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	99.108
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

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Blank Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID:	QC Std 1			Sample ID:	QC Std 1			Sample ID:	QC Std 1		
Sample Date/Time:	Tuesday, August 24, 2010 22:01:54			Sample Date/Time:	Tuesday, August 24, 2010 23:35:47			Sample Date/Time:	Wednesday, August 25, 2010 01:09:48		
Sample Description:	CCB			Sample Description:	CCB			Sample Description:	CCB		
Concentration Results			Int Std								
Analyte	Conc.	Unit	% R								
Ag	< 1	ug/L		Ag	< 1	ug/L		Ag	< 1	ug/L	
Al	< 50	ug/L		Al	< 50	ug/L		Al	< 50	ug/L	
As	< 1	ug/L		As	< 1	ug/L		As	< 1	ug/L	
Ba	< 1	ug/L		Ba	< 1	ug/L		Ba	< 1	ug/L	
Be	< 1	ug/L		Be	< 1	ug/L		Be	< 1	ug/L	
Ca	< 50	ug/L		Ca	< 50	ug/L		Ca	< 50	ug/L	
Cd	< 1	ug/L		Cd	< 1	ug/L		Cd	< 1	ug/L	
Co	< 1	ug/L		Co	< 1	ug/L		Co	< 1	ug/L	
Cr	< 1	ug/L		Cr	< 1	ug/L		Cr	< 1	ug/L	
Cu	< 1	ug/L		Cu	< 1	ug/L		Cu	< 1	ug/L	
Fe	< 50	ug/L		Fe	< 50	ug/L		Fe	< 50	ug/L	
Ge		ug/L	89.321	Ge		ug/L	89.173	Ge		ug/L	82.65
Hg	< 0.2	ug/L		Hg	< 0.2	ug/L		Hg	< 0.2	ug/L	
Ho		ug/L	95.107	Ho		ug/L	94.71	Ho		ug/L	90.653
In		ug/L	91.879	In		ug/L	90.825	In		ug/L	85.47
K	< 50	ug/L		K	< 50	ug/L		K	< 50	ug/L	
Mg	< 50	ug/L		Mg	< 50	ug/L		Mg	< 50	ug/L	
Mn	< 5	ug/L		Mn	< 5	ug/L		Mn	< 5	ug/L	
Na	< 5000	ug/L		Na	< 5000	ug/L		Na	< 5000	ug/L	
Ni	< 1	ug/L		Ni	< 1	ug/L		Ni	< 1	ug/L	
Pb	< 1	ug/L		Pb	< 1	ug/L		Pb	< 1	ug/L	
Sb	< 1	ug/L		Sb	< 1	ug/L		Sb	< 1	ug/L	
Sc		ug/L	89.12	Sc		ug/L	89.851	Sc		ug/L	81.516
Se	< 1	ug/L		Se	< 1	ug/L		Se	< 1	ug/L	
Tl	< 1	ug/L		Tl	< 1	ug/L		Tl	< 1	ug/L	
V	< 1	ug/L		V	< 1	ug/L		V	< 1	ug/L	
Zn	< 5	ug/L		Zn	< 5	ug/L		Zn	< 5	ug/L	

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Blank Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID:	QC Std 1			Sample ID:	QC Std 1			Sample ID:	QC Std 1		
Sample Date/Time:	Wednesday, August 25, 2010 02:43:32			Sample Date/Time:	Wednesday, August 25, 2010 04:17:18			Sample Date/Time:	Wednesday, August 25, 2010 05:51:12		
Sample Description:	CCB			Sample Description:	CCB			Sample Description:	CCB		
Ag	< 1	ug/L		Ag	< 1	ug/L		Ag	< 1	ug/L	
Al	< 50	ug/L		Al	< 50	ug/L		Al	< 50	ug/L	
As	< 1	ug/L		As	< 1	ug/L		As	< 1	ug/L	
Ba	< 1	ug/L		Ba	< 1	ug/L		Ba	< 1	ug/L	
Be	< 1	ug/L		Be	< 1	ug/L		Be	< 1	ug/L	
Ca	< 50	ug/L		Ca	< 50	ug/L		Ca	< 50	ug/L	
Cd	< 1	ug/L		Cd	< 1	ug/L		Cd	< 1	ug/L	
Co	< 1	ug/L		Co	< 1	ug/L		Co	< 1	ug/L	
Cr	< 1	ug/L		Cr	< 1	ug/L		Cr	< 1	ug/L	
Cu	< 1	ug/L		Cu	< 1	ug/L		Cu	< 1	ug/L	
Fe	< 50	ug/L		Fe	< 50	ug/L		Fe	< 50	ug/L	
Ge		ug/L	86.205	Ge		ug/L	90.112	Ge		ug/L	84.153
Hg	< 0.2	ug/L		Hg	< 0.2	ug/L		Hg	< 0.2	ug/L	
Ho		ug/L	91.87	Ho		ug/L	96.085	Ho		ug/L	92.13
In		ug/L	88.316	In		ug/L	91.244	In		ug/L	86.801
K	< 50	ug/L		K	< 50	ug/L		K	< 50	ug/L	
Mg	< 50	ug/L		Mg	< 50	ug/L		Mg	< 50	ug/L	
Mn	< 5	ug/L		Mn	< 5	ug/L		Mn	< 5	ug/L	
Na	< 5000	ug/L		Na	< 5000	ug/L		Na	< 5000	ug/L	
Ni	< 1	ug/L		Ni	< 1	ug/L		Ni	< 1	ug/L	
Pb	< 1	ug/L		Pb	< 1	ug/L		Pb	< 1	ug/L	
Sb	< 1	ug/L		Sb	< 1	ug/L		Sb	< 1	ug/L	
Sc		ug/L	86.248	Sc		ug/L	90.246	Sc		ug/L	83.605
Se	< 1	ug/L		Se	< 1	ug/L		Se	< 1	ug/L	
Tl	< 1	ug/L		Tl	< 1	ug/L		Tl	< 1	ug/L	
V	< 1	ug/L		V	< 1	ug/L		V	< 1	ug/L	
Zn	< 5	ug/L		Zn	< 5	ug/L		Zn	< 5	ug/L	

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Blank Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID:	QC Std 1		Sample ID:	QC Std 1		Sample ID:	QC Std 1	
Sample Date/Time:	Wednesday, August 25, 2010 07:24:46		Sample Date/Time:	Wednesday, August 25, 2010 08:19:22		Sample Date/Time:	Wednesday, August 25, 2010 10:01:31	
Sample Description:	CCB		Sample Description:	CCB		Sample Description:	CCB	
Ag	< 1	ug/L	Ag	< 1	ug/L	Ag	< 1	ug/L
Al	< 50	ug/L	Al	< 50	ug/L	Al	< 50	ug/L
As	< 1	ug/L	As	< 1	ug/L	As	< 1	ug/L
Ba	< 1	ug/L	Ba	< 1	ug/L	Ba	< 1	ug/L
Be	< 1	ug/L	Be	< 1	ug/L	Be	< 1	ug/L
Ca	< 50	ug/L	Ca	< 50	ug/L	Ca	< 50	ug/L
Cd	< 1	ug/L	Cd	< 1	ug/L	Cd	< 1	ug/L
Co	< 1	ug/L	Co	< 1	ug/L	Co	< 1	ug/L
Cr	< 1	ug/L	Cr	< 1	ug/L	Cr	< 1	ug/L
Cu	< 1	ug/L	Cu	< 1	ug/L	Cu	< 1	ug/L
Fe	< 50	ug/L	Fe	< 50	ug/L	Fe	< 50	ug/L
Ge		ug/L 84.514	Ge		ug/L 85.35	Ge		ug/L 85.429
Hg	< 0.2	ug/L	Hg	< 0.2	ug/L	Hg	< 0.2	ug/L
Ho		ug/L 91.915	Ho		ug/L 92.727	Ho		ug/L 93.431
In		ug/L 86.652	In		ug/L 87.551	In		ug/L 88.346
K	< 50	ug/L	K	< 50	ug/L	K	< 50	ug/L
Mg	< 50	ug/L	Mg	< 50	ug/L	Mg	< 50	ug/L
Mn	< 5	ug/L	Mn	< 5	ug/L	Mn	< 5	ug/L
Na	< 5000	ug/L	Na	< 5000	ug/L	Na	< 5000	ug/L
Ni	< 1	ug/L	Ni	< 1	ug/L	Ni	< 1	ug/L
Pb	< 1	ug/L	Pb	< 1	ug/L	Pb	< 1	ug/L
Sb	< 1	ug/L	Sb	< 1	ug/L	Sb	< 1	ug/L
Sc		ug/L 84.864	Sc		ug/L 85.279	Sc		ug/L 86.322
Se	< 1	ug/L	Se	< 1	ug/L	Se	< 1	ug/L
Tl	< 1	ug/L	Tl	< 1	ug/L	Tl	< 1	ug/L
V	< 1	ug/L	V	< 1	ug/L	V	< 1	ug/L
Zn	< 5	ug/L	Zn	< 5	ug/L	Zn	< 5	ug/L

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Blank Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID:	QC Std 1		Sample ID:	QC Std 1		Sample ID:	QC Std 1	
Sample Date/Time:	Wednesday, August 25, 2010 11:54:43		Sample Date/Time:	Wednesday, August 25, 2010 12:29:11		Sample Date/Time:	Wednesday, August 25, 2010 13:23:40	
Sample Description:	CCB		Sample Description:	CCB		Sample Description:	CCB	
Ag	< 1	ug/L	Ag	< 1	ug/L	Ag	< 1	ug/L
Al	< 50	ug/L	Al	< 50	ug/L	Al	< 50	ug/L
As	< 1	ug/L	As	< 1	ug/L	As	< 1	ug/L
Ba	< 1	ug/L	Ba	< 1	ug/L	Ba	< 1	ug/L
Be	< 1	ug/L	Be	< 1	ug/L	Be	< 1	ug/L
Ca	< 50	ug/L	Ca	< 50	ug/L	Ca	< 50	ug/L
Cd	< 1	ug/L	Cd	< 1	ug/L	Cd	< 1	ug/L
Co	< 1	ug/L	Co	< 1	ug/L	Co	< 1	ug/L
Cr	< 1	ug/L	Cr	< 1	ug/L	Cr	< 1	ug/L
Cu	< 1	ug/L	Cu	< 1	ug/L	Cu	< 1	ug/L
Fe	< 50	ug/L	Fe	< 50	ug/L	Fe	< 50	ug/L
Ge		ug/L 85.965	Ge		ug/L 86.598	Ge		ug/L 84.141
Hg	< 0.2	ug/L	Hg	< 0.2	ug/L	Hg	< 0.2	ug/L
Ho		ug/L 94.123	Ho		ug/L 94.077	Ho		ug/L 93.549
In		ug/L 88.188	In		ug/L 88.186	In		ug/L 87.37
K	< 50	ug/L	K	< 50	ug/L	K	< 50	ug/L
Mg	< 50	ug/L	Mg	< 50	ug/L	Mg	< 50	ug/L
Mn	< 5	ug/L	Mn	< 5	ug/L	Mn	< 5	ug/L
Na	< 5000	ug/L	Na	< 5000	ug/L	Na	< 5000	ug/L
Ni	< 1	ug/L	Ni	< 1	ug/L	Ni	< 1	ug/L
Pb	< 1	ug/L	Pb	< 1	ug/L	Pb	< 1	ug/L
Sb	< 1	ug/L	Sb	< 1	ug/L	Sb	< 1	ug/L
Sc		ug/L 86.165	Sc		ug/L 87.027	Sc		ug/L 84.739
Se	< 1	ug/L	Se	< 1	ug/L	Se	< 1	ug/L
Tl	< 1	ug/L	Tl	< 1	ug/L	Tl	< 1	ug/L
V	< 1	ug/L	V	< 1	ug/L	V	< 1	ug/L
Zn	< 5	ug/L	Zn	< 5	ug/L	Zn	< 5	ug/L

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 24, 2010 13:27:55
Sample Description: CV-Trace Metals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	109.907443	ug/L	110.79	
As	100	105.544301	ug/L	106.08	
Ba	100	102.611509	ug/L	103.23	
Be	100	99.04433	ug/L	99.74	
Ca	100	114.329226	ug/L	114.79	
Cd	100	102.347534	ug/L	102.66	
Co	100	100.72916	ug/L	101.44	
Cr	100	100.690437	ug/L	100.99	
Cu	100	100.45876	ug/L	101.17	
Fe	100	102.465298	ug/L	102.77	
Ge			ug/L		101.11
Hg	1	0.996715	ug/L	99.67	
Ho			ug/L		99.40
In			ug/L		98.68
K	1000	1035.03273	ug/L	103.50	
Mg	100	109.617354	ug/L	109.40	
Mn	100	97.987702	ug/L	98.78	
Na	100	107.729934	ug/L	108.27	
Ni	100	101.023926	ug/L	101.94	
Pb	100	101.147513	ug/L	101.15	
Sb	100	100.300392	ug/L	100.91	
Sc			ug/L		100.49
Se	100	98.947645	ug/L	99.65	
Tl	100	99.296059	ug/L	100.20	
V	100	100.551774	ug/L	100.96	
Zn	100	98.946557	ug/L	99.34	

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 24, 2010 15:36:44
Sample Description: CV-Trace Metals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	108.618267	ug/L	109.49	
As	100	105.731247	ug/L	106.26	
Ba	100	102.15911	ug/L	102.78	
Be	100	100.26607	ug/L	100.97	
Ca	100	114.22885	ug/L	114.69	
Cd	100	102.837201	ug/L	103.15	
Co	100	101.011083	ug/L	101.72	
Cr	100	100.471289	ug/L	100.77	
Cu	100	101.114928	ug/L	101.83	
Fe	100	106.88629	ug/L	107.21	
Ge			ug/L		102.11
Hg	1	1.013113	ug/L	101.31	
Ho			ug/L		100.39
In			ug/L		98.88
K	1000	1036.49354	ug/L	103.65	
Mg	100	107.794841	ug/L	107.58	
Mn	100	97.94442	ug/L	98.73	
Na	100	107.979988	ug/L	108.52	
Ni	100	101.634732	ug/L	102.56	
Pb	100	101.116609	ug/L	101.12	
Sb	100	99.683644	ug/L	100.29	
Sc			ug/L		101.98
Se	100	98.492624	ug/L	99.19	
Tl	100	100.694973	ug/L	101.61	
V	100	99.888726	ug/L	100.29	
Zn	100	100.009121	ug/L	100.41	

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 13:41:58
Sample Description: CV - Ag
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	43.345823	ug/L	102.72	
Ge			ug/L		100.17
Ho			ug/L		100.85
In			ug/L		100.16
Sc			ug/L		100.75

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 15:43:47
Sample Description: CV - Ag
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	44.788472	ug/L	106.13	
Ge			ug/L		100.63
Ho			ug/L		98.96
In			ug/L		100.39
Sc			ug/L		103.05

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 13:49:03
Sample Description: CV - Minerals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10383.376	ug/L	103.83	
Ca	1000	10285.4942	ug/L	102.86	
Fe	1000	10471.7122	ug/L	104.72	
Ge			ug/L		101.35
Ho			ug/L		98.43
In			ug/L		96.76
K	1000	10431.6558	ug/L	104.32	
Mg	1000	10267.8205	ug/L	102.68	
Na	1000	10247.0719	ug/L	102.47	
P	1000	10153.5181	ug/L	101.54	
Sc			ug/L		99.25

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 15:50:51
Sample Description: CV - Minerals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10172.3177	ug/L	101.72	
Ca	1000	10221.8354	ug/L	102.22	
Fe	1000	10321.498	ug/L	103.22	
Ge			ug/L		101.71
Ho			ug/L		99.06
In			ug/L		98.59
K	1000	10253.8131	ug/L	102.54	
Mg	1000	10209.3677	ug/L	102.09	
Na	1000	10113.9395	ug/L	101.14	
P	1000	10115.6047	ug/L	101.16	
Sc			ug/L		101.85

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 24, 2010 17:28:25
Sample Description: CV-Trace Metals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	109.499958	ug/L	110.38	
As	100	106.371245	ug/L	106.91	
Ba	100	101.421936	ug/L	102.03	
Be	100	100.383027	ug/L	101.09	
Ca	100	109.83591	ug/L	110.28	
Cd	100	101.981255	ug/L	102.29	
Co	100	99.659625	ug/L	100.36	
Cr	100	99.07377	ug/L	99.37	
Cu	100	99.811514	ug/L	100.52	
Fe	100	93.732615	ug/L	94.02	
Ge			ug/L		94.43
Hg	1	1.007145	ug/L	100.71	
Ho			ug/L		95.97
In			ug/L		95.76
K	1000	1031.36872	ug/L	103.14	
Mg	100	109.269788	ug/L	109.05	
Mn	100	97.24868	ug/L	98.03	
Na	100	109.661697	ug/L	110.21	
Ni	100	99.384973	ug/L	100.29	
Pb	100	102.62602	ug/L	102.63	
Sb	100	99.009639	ug/L	99.61	
Sc			ug/L		97.24
Se	100	100.959019	ug/L	101.67	
Tl	100	101.893164	ug/L	102.82	
V	100	97.775417	ug/L	98.17	
Zn	100	97.952478	ug/L	98.35	

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 24, 2010 19:01:32
Sample Description: CV-Trace Metals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	109.267519	ug/L	110.15	
As	100	106.315048	ug/L	106.85	
Ba	100	100.706327	ug/L	101.31	
Be	100	98.985963	ug/L	99.68	
Ca	100	109.212515	ug/L	109.65	
Cd	100	101.305367	ug/L	101.61	
Co	100	100.346668	ug/L	101.05	
Cr	100	100.396781	ug/L	100.70	
Cu	100	99.216882	ug/L	99.92	
Fe	100	108.249105	ug/L	108.58	
Ge			ug/L		95.57
Hg	1	1.016966	ug/L	101.70	
Ho			ug/L		96.33
In			ug/L		97.04
K	1000	1043.08944	ug/L	104.31	
Mg	100	110.373547	ug/L	110.15	
Mn	100	98.912379	ug/L	99.71	
Na	100	112.801648	ug/L	113.37	
Ni	100	99.761644	ug/L	100.67	
Pb	100	100.909586	ug/L	100.91	
Sb	100	98.870529	ug/L	99.47	
Sc			ug/L		97.64
Se	100	101.758383	ug/L	102.48	
Tl	100	100.07638	ug/L	100.99	
V	100	99.847515	ug/L	100.25	
Zn	100	98.026795	ug/L	98.42	

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 17:35:28
Sample Description: CV - Ag
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	44.322051	ug/L	105.03	
Ge			ug/L		95.20
Ho			ug/L		96.49
In			ug/L		96.12
Sc			ug/L		98.10

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 19:08:35
Sample Description: CV - Ag
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	43.851477	ug/L	103.91	
Ge			ug/L		96.82
Ho			ug/L		97.78
In			ug/L		97.09
Sc			ug/L		97.56

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 17:42:32
Sample Description: CV - Minerals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10145.0184	ug/L	101.45	
Ca	1000	10254.8455	ug/L	102.55	
Fe	1000	10010.1456	ug/L	100.10	
Ge			ug/L		97.46
Ho			ug/L		96.14
In			ug/L		96.07
K	1000	10192.7346	ug/L	101.93	
Mg	1000	10223.1496	ug/L	102.23	
Na	1000	10288.0547	ug/L	102.88	
P	1000	10122.1791	ug/L	101.22	
Sc			ug/L		98.83

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 19:15:39
Sample Description: CV - Minerals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10951.6491	ug/L	109.52	
Ca	1000	10785.5425	ug/L	107.86	
Fe	1000	10986.6874	ug/L	109.87	
Ge			ug/L		95.96
Ho			ug/L		94.50
In			ug/L		93.31
K	1000	10732.2675	ug/L	107.32	
Mg	1000	10939.4954	ug/L	109.40	
Na	1000	10912.3969	ug/L	109.12	
P	1000	10781.5583	ug/L	107.82	
Sc			ug/L		93.73

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2 QC Std 2
Sample Dat Tuesday, A **Tuesday, August 24, 2010 20:34:58**
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	106.217522	ug/L	107.07	
As	100	102.074621	ug/L	102.59	
Ba	100	96.898329	ug/L	97.48	
Be	100	97.862223	ug/L	98.55	
Ca	100	107.921432	ug/L	108.36	
Cd	100	97.113929	ug/L	97.41	
Co	100	97.082012	ug/L	97.77	
Cr	100	96.698495	ug/L	96.99	
Cu	100	96.521277	ug/L	97.20	
Fe	100	93.06367	ug/L	93.34	
Ge			ug/L		100.34
Hg	1	0.970825	ug/L	97.08	
Ho			ug/L		102.04
In			ug/L		100.85
K	1000	1009.52527	ug/L	100.95	
Mg	100	106.263014	ug/L	106.05	
Mn	100	95.700764	ug/L	96.47	
Na	100	109.471469	ug/L	110.02	
Ni	100	97.043698	ug/L	97.93	
Pb	100	97.507789	ug/L	97.51	
Sb	100	94.599111	ug/L	95.17	
Sc			ug/L		99.91
Se	100	96.202165	ug/L	96.88	
Tl	100	97.280131	ug/L	98.16	
V	100	96.195042	ug/L	96.58	
Zn	100	96.770078	ug/L	97.16	

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 24, 2010 22:08:56
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	115.506903	ug/L	116.44	
As	100	105.255308	ug/L	105.78	
Ba	100	101.638806	ug/L	102.25	
Be	100	100.467729	ug/L	101.18	
Ca	100	112.588983	ug/L	113.04	
Cd	100	99.774541	ug/L	100.08	
Co	100	101.131883	ug/L	101.85	
Cr	100	100.715972	ug/L	101.02	
Cu	100	101.682317	ug/L	102.40	
Fe	100	110.4422	ug/L	110.78	
Ge			ug/L		89.05
Hg	1	0.997174	ug/L	99.72	
Ho			ug/L		93.03
In			ug/L		91.65
K	1000	1061.49152	ug/L	106.15	
Mg	100	114.932482	ug/L	114.70	
Mn	100	100.546081	ug/L	101.36	
Na	100	120.93269	ug/L	121.54	
Ni	100	102.232401	ug/L	103.16	
Pb	100	100.278798	ug/L	100.28	
Sb	100	98.977087	ug/L	99.58	
Sc			ug/L		88.15
Se	100	100.035661	ug/L	100.74	
Tl	100	100.285756	ug/L	101.20	
V	100	100.033223	ug/L	100.44	
Zn	100	99.851832	ug/L	100.25	

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 20:42:01
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	42.344087	ug/L	100.34	
Ge			ug/L		99.88
Ho			ug/L		100.97
In			ug/L		100.18
Sc			ug/L		100.35

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 22:16:00
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	42.917261	ug/L	101.70	
Ge			ug/L		89.91
Ho			ug/L		94.66
In			ug/L		92.19
Sc			ug/L		89.00

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 20:49:05
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10712.1661	ug/L	107.12	
Ca	1000	10696.8545	ug/L	106.97	
Fe	1000	10653.6975	ug/L	106.54	
Ge			ug/L		96.30
Ho			ug/L		95.22
In			ug/L		93.96
K	1000	10578.3099	ug/L	105.78	
Mg	1000	10658.2237	ug/L	106.58	
Na	1000	10567.7912	ug/L	105.68	
P	1000	10477.1004	ug/L	104.77	
Sc			ug/L		95.31

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 22:23:04
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10981.3113	ug/L	109.81	
Ca	1000	10585.0564	ug/L	105.85	
Fe	1000	10580.1169	ug/L	105.80	
Ge			ug/L		89.40
Ho			ug/L		93.10
In			ug/L		89.51
K	1000	10595.6476	ug/L	105.96	
Mg	1000	10923.3975	ug/L	109.23	
Na	1000	10989.794	ug/L	109.90	
P	1000	10663.5996	ug/L	106.64	
Sc			ug/L		88.39

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 24, 2010 23:42:49
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	113.835764	ug/L	114.75	
As	100	106.464998	ug/L	107.00	
Ba	100	100.587278	ug/L	101.19	
Be	100	98.582157	ug/L	99.28	
Ca	100	109.665125	ug/L	110.11	
Cd	100	98.912178	ug/L	99.21	
Co	100	99.225429	ug/L	99.93	
Cr	100	98.609362	ug/L	98.91	
Cu	100	99.888453	ug/L	100.59	
Fe	100	109.045078	ug/L	109.37	
Ge			ug/L		89.00
Hg	1	0.950573	ug/L	95.06	
Ho			ug/L		94.91
In			ug/L		91.81
K	1000	1048.65762	ug/L	104.87	
Mg	100	113.929979	ug/L	113.70	
Mn	100	98.361648	ug/L	99.16	
Na	100	118.025197	ug/L	118.62	
Ni	100	100.27838	ug/L	101.19	
Pb	100	97.534141	ug/L	97.53	
Sb	100	97.310902	ug/L	97.90	
Sc			ug/L		89.58
Se	100	100.065938	ug/L	100.77	
Tl	100	97.487036	ug/L	98.37	
V	100	98.296836	ug/L	98.69	
Zn	100	97.694066	ug/L	98.09	

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 01:16:50
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	115.724895	ug/L	116.66	
As	100	106.466185	ug/L	107.00	
Ba	100	103.217811	ug/L	103.84	
Be	100	98.990163	ug/L	99.69	
Ca	100	108.809067	ug/L	109.25	
Cd	100	98.434506	ug/L	98.73	
Co	100	101.311366	ug/L	102.03	
Cr	100	100.116087	ug/L	100.42	
Cu	100	101.668314	ug/L	102.39	
Fe	100	113.586679	ug/L	113.93	
Ge			ug/L		83.59
Hg	1	0.978148	ug/L	97.81	
Ho			ug/L		90.31
In			ug/L		86.70
K	1000	1057.02003	ug/L	105.70	
Mg	100	117.135467	ug/L	116.90	
Mn	100	98.950434	ug/L	99.75	
Na	100	123.014069	ug/L	123.63	
Ni	100	102.099409	ug/L	103.03	
Pb	100	100.049229	ug/L	100.05	
Sb	100	98.647555	ug/L	99.24	
Sc			ug/L		82.58
Se	100	99.870076	ug/L	100.57	
Tl	100	99.225452	ug/L	100.13	
V	100	99.377456	ug/L	99.78	
Zn	100	98.565075	ug/L	98.96	

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 23:49:52
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	42.474545	ug/L	100.65	
Ge			ug/L		89.98
Ho			ug/L		94.30
In			ug/L		92.42
Sc			ug/L		90.37

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 01:23:53
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	43.775412	ug/L	103.73	
Ge			ug/L		84.32
Ho			ug/L		92.26
In			ug/L		86.18
Sc			ug/L		82.86

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 23:56:56
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10680.375	ug/L	106.80	
Ca	1000	10359.1264	ug/L	103.59	
Fe	1000	10429.9408	ug/L	104.30	
Ge			ug/L		91.26
Ho			ug/L		94.09
In			ug/L		90.20
K	1000	10406.4945	ug/L	104.07	
Mg	1000	10644.6444	ug/L	106.45	
Na	1000	10732.8229	ug/L	107.33	
P	1000	10419.6033	ug/L	104.20	
Sc			ug/L		89.31

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 01:30:57
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10892.6196	ug/L	108.93	
Ca	1000	10274.7241	ug/L	102.75	
Fe	1000	10270.391	ug/L	102.70	
Ge			ug/L		84.66
Ho			ug/L		90.20
In			ug/L		85.75
K	1000	10325.8192	ug/L	103.26	
Mg	1000	10901.8457	ug/L	109.02	
Na	1000	10770.7942	ug/L	107.71	
P	1000	10671.9434	ug/L	106.72	
Sc			ug/L		83.48

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 02:50:35
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	114.488182	ug/L	115.41	
As	100	106.020343	ug/L	106.55	
Ba	100	101.401984	ug/L	102.01	
Be	100	100.275793	ug/L	100.98	
Ca	100	108.754401	ug/L	109.19	
Cd	100	98.309567	ug/L	98.61	
Co	100	101.132971	ug/L	101.85	
Cr	100	100.332748	ug/L	100.64	
Cu	100	101.972229	ug/L	102.69	
Fe	100	119.512495	ug/L	119.87	
Ge			ug/L		85.48
Hg	1	0.948863	ug/L	94.89	
Ho			ug/L		92.67
In			ug/L		88.42
K	1000	1047.80044	ug/L	104.78	
Mg	100	114.87881	ug/L	114.65	
Mn	100	99.836851	ug/L	100.64	
Na	100	123.627694	ug/L	124.25	
Ni	100	102.439042	ug/L	103.37	
Pb	100	99.357677	ug/L	99.36	
Sb	100	98.63367	ug/L	99.23	
Sc			ug/L		84.63
Se	100	99.921638	ug/L	100.63	
Tl	100	98.180311	ug/L	99.07	
V	100	98.357442	ug/L	98.75	
Zn	100	98.303648	ug/L	98.70	

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 04:24:20
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	111.9303	ug/L	112.83	
As	100	104.488269	ug/L	105.01	
Ba	100	101.012776	ug/L	101.62	
Be	100	101.519636	ug/L	102.24	
Ca	100	105.830395	ug/L	106.26	
Cd	100	98.385116	ug/L	98.68	
Co	100	100.326057	ug/L	101.03	
Cr	100	97.732872	ug/L	98.03	
Cu	100	100.361858	ug/L	101.07	
Fe	100	101.18532	ug/L	101.49	
Ge			ug/L		90.58
Hg	1	0.965032	ug/L	96.50	
Ho			ug/L		95.79
In			ug/L		90.95
K	1000	1015.56194	ug/L	101.56	
Mg	100	110.770605	ug/L	110.55	
Mn	100	98.397396	ug/L	99.19	
Na	100	115.133614	ug/L	115.71	
Ni	100	100.588835	ug/L	101.50	
Pb	100	98.986818	ug/L	98.99	
Sb	100	97.274291	ug/L	97.86	
Sc			ug/L		89.28
Se	100	98.080503	ug/L	98.77	
Tl	100	98.65514	ug/L	99.55	
V	100	96.517803	ug/L	96.91	
Zn	100	98.983064	ug/L	99.38	

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 02:57:38
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	42.886238	ug/L	101.63	
Ge			ug/L		86.08
Ho			ug/L		92.39
In			ug/L		88.03
Sc			ug/L		83.96

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 04:31:23
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	42.03351	ug/L	99.61	
Ge			ug/L		89.79
Ho			ug/L		95.89
In			ug/L		91.49
Sc			ug/L		90.04

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 03:04:42
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10927.897	ug/L	109.28	
Ca	1000	10408.4157	ug/L	104.08	
Fe	1000	10405.3007	ug/L	104.05	
Ge			ug/L		85.76
Ho			ug/L		91.31
In			ug/L		85.84
K	1000	10545.0552	ug/L	105.45	
Mg	1000	11006.2125	ug/L	110.06	
Na	1000	10900.9217	ug/L	109.01	
P	1000	10669.9628	ug/L	106.70	
Sc			ug/L		83.42

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 04:38:27
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10686.8934	ug/L	106.87	
Ca	1000	10301.489	ug/L	103.02	
Fe	1000	10395.8867	ug/L	103.96	
Ge			ug/L		88.59
Ho			ug/L		93.17
In			ug/L		87.70
K	1000	10304.0534	ug/L	103.04	
Mg	1000	10675.9434	ug/L	106.76	
Na	1000	10591.335	ug/L	105.91	
P	1000	10297.2771	ug/L	102.97	
Sc			ug/L		87.22

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 05:58:14
Sample Description: CV-Trace Metals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	113.339536	ug/L	114.25	
As	100	105.328204	ug/L	105.86	
Ba	100	100.589164	ug/L	101.20	
Be	100	99.684094	ug/L	100.39	
Ca	100	103.093892	ug/L	103.51	
Cd	100	97.052225	ug/L	97.34	
Co	100	99.707219	ug/L	100.41	
Cr	100	98.228164	ug/L	98.52	
Cu	100	100.680471	ug/L	101.39	
Fe	100	113.30737	ug/L	113.65	
Ge			ug/L		83.75
Hg	1	0.943117	ug/L	94.31	
Ho			ug/L		91.78
In			ug/L		87.01
K	1000	1030.26597	ug/L	103.03	
Mg	100	114.270264	ug/L	114.04	
Mn	100	97.359559	ug/L	98.15	
Na	100	123.049868	ug/L	123.67	
Ni	100	101.27956	ug/L	102.20	
Pb	100	99.405789	ug/L	99.41	
Sb	100	96.090176	ug/L	96.67	
Sc			ug/L		83.22
Se	100	98.732239	ug/L	99.43	
Tl	100	97.646888	ug/L	98.53	
V	100	97.091195	ug/L	97.48	
Zn	100	97.166815	ug/L	97.56	

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 07:31:48
Sample Description: CV-Trace Metals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	111.599961	ug/L	112.50	
As	100	104.259288	ug/L	104.78	
Ba	100	99.993803	ug/L	100.60	
Be	100	99.405931	ug/L	100.11	
Ca	100	102.389228	ug/L	102.80	
Cd	100	97.020697	ug/L	97.31	
Co	100	99.408628	ug/L	100.11	
Cr	100	96.200642	ug/L	96.49	
Cu	100	99.651047	ug/L	100.35	
Fe	100	104.041085	ug/L	104.35	
Ge			ug/L		83.88
Hg	1	0.93038	ug/L	93.04	
Ho			ug/L		91.25
In			ug/L		86.82
K	1000	1015.89622	ug/L	101.59	
Mg	100	111.627819	ug/L	111.41	
Mn	100	96.991772	ug/L	97.77	
Na	100	118.549814	ug/L	119.15	
Ni	100	99.516567	ug/L	100.42	
Pb	100	100.006979	ug/L	100.01	
Sb	100	95.939329	ug/L	96.52	
Sc			ug/L		84.53
Se	100	97.719752	ug/L	98.41	
Tl	100	98.147851	ug/L	99.04	
V	100	94.520772	ug/L	94.90	
Zn	100	96.253139	ug/L	96.64	

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 06:05:17
Sample Description: CV - Ag
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	41.633135	ug/L	98.66	
Ge			ug/L		85.14
Ho			ug/L		93.07
In			ug/L		87.62
Sc			ug/L		83.60

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 07:38:51
Sample Description: CV - Ag
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	41.755744	ug/L	98.95	
Ge			ug/L		82.68
Ho			ug/L		91.77
In			ug/L		87.24
Sc			ug/L		83.79

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 06:12:21
Sample Description: CV - Minerals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10466.0611	ug/L	104.66	
Ca	1000	9962.4165	ug/L	99.62	
Fe	1000	9905.70081	ug/L	99.06	
Ge			ug/L		84.81
Ho			ug/L		92.56
In			ug/L		86.09
K	1000	10032.8898	ug/L	100.33	
Mg	1000	10522.7069	ug/L	105.23	
Na	1000	10369.3374	ug/L	103.69	
P	1000	10225.4224	ug/L	102.25	
Sc			ug/L		85.41

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 07:45:55
Sample Description: CV - Minerals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10611.77	ug/L	106.12	
Ca	1000	10104.2436	ug/L	101.04	
Fe	1000	10125.9964	ug/L	101.26	
Ge			ug/L		84.08
Ho			ug/L		91.46
In			ug/L		84.75
K	1000	10127.4029	ug/L	101.27	
Mg	1000	10551.7213	ug/L	105.52	
Na	1000	10538.9395	ug/L	105.39	
P	1000	10244.8691	ug/L	102.45	
Sc			ug/L		83.91

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 08:26:24
Sample Description: CV-Trace Metals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	112.196277	ug/L	113.10	
As	100	105.253259	ug/L	105.78	
Ba	100	101.830937	ug/L	102.45	
Be	100	102.62445	ug/L	103.35	
Ca	100	106.097953	ug/L	106.52	
Cd	100	98.550705	ug/L	98.85	
Co	100	100.522879	ug/L	101.23	
Cr	100	97.348828	ug/L	97.64	
Cu	100	101.05942	ug/L	101.77	
Fe	100	108.904701	ug/L	109.23	
Ge			ug/L		85.00
Hg	1	0.937593	ug/L	93.76	
Ho			ug/L		92.70
In			ug/L		86.44
K	1000	1019.91825	ug/L	101.99	
Mg	100	113.143624	ug/L	112.92	
Mn	100	98.255015	ug/L	99.05	
Na	100	118.302006	ug/L	118.90	
Ni	100	100.811534	ug/L	101.73	
Pb	100	99.368286	ug/L	99.37	
Sb	100	97.543038	ug/L	98.13	
Sc			ug/L		85.06
Se	100	98.620657	ug/L	99.32	
Tl	100	97.18078	ug/L	98.06	
V	100	96.722835	ug/L	97.11	
Zn	100	98.660318	ug/L	99.06	

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 12:01:45
Sample Description: CV-Trace Metals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	102.90718	ug/L	103.74	
As	100	98.241964	ug/L	98.74	
Ba	100	94.567969	ug/L	95.14	
Be	100	93.440208	ug/L	94.10	
Ca	100	103.97082	ug/L	104.39	
Cd	100	93.663057	ug/L	93.95	
Co	100	92.975041	ug/L	93.63	
Cr	100	90.411574	ug/L	90.68	
Cu	100	93.881212	ug/L	94.54	
Fe	100	184.703047	ug/L	185.26	
Ge			ug/L		62.49
Hg	1	0.901957	ug/L	90.20	
Ho			ug/L		64.70
In			ug/L		60.93
K	1000	968.499484	ug/L	96.85	
Mg	100	103.739154	ug/L	103.53	
Mn	100	90.539039	ug/L	91.27	
Na	100	108.412971	ug/L	108.96	
Ni	100	95.072609	ug/L	95.94	
Pb	100	93.907009	ug/L	93.91	
Sb	100	89.48384	ug/L	90.02	
Sc			ug/L		62.18
Se	100	89.720041	ug/L	90.35	
Tl	100	90.793156	ug/L	91.62	
V	100	89.075944	ug/L	89.43	
Zn	100	89.761299	ug/L	90.12	

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 08:33:27
Sample Description: CV - Ag
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	42.443612	ug/L	100.58	
Ge			ug/L		84.55
Ho			ug/L		91.02
In			ug/L		86.31
Sc			ug/L		85.85

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 10:15:37
Sample Description: CV - Ag
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	41.066718	ug/L	97.31	
Ge			ug/L		85.82
Ho			ug/L		94.31
In			ug/L		89.46
Sc			ug/L		88.00

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 08:40:31
Sample Description: CV - Minerals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10547.4627	ug/L	105.48	
Ca	1000	10215.1483	ug/L	102.15	
Fe	1000	10129.3332	ug/L	101.29	
Ge			ug/L		86.25
Ho			ug/L		92.06
In			ug/L		85.76
K	1000	10221.952	ug/L	102.22	
Mg	1000	10560.1651	ug/L	105.60	
Na	1000	10492.5744	ug/L	104.93	
P	1000	10158.9344	ug/L	101.59	
Sc			ug/L		85.27

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 10:22:41
Sample Description: CV - Minerals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10439.6722	ug/L	104.40	
Ca	1000	10138.056	ug/L	101.38	
Fe	1000	10152.5504	ug/L	101.53	
Ge			ug/L		85.96
Ho			ug/L		93.48
In			ug/L		85.72
K	1000	10163.4122	ug/L	101.63	
Mg	1000	10494.521	ug/L	104.95	
Na	1000	10389.4267	ug/L	103.89	
P	1000	10149.9151	ug/L	101.50	
Sc			ug/L		85.16

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 12:36:14
Sample Description: CV-Trace Metals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	108.316266	ug/L	109.19	
As	100	103.861562	ug/L	104.38	
Ba	100	97.617388	ug/L	98.21	
Be	100	100.082573	ug/L	100.79	
Ca	100	101.591505	ug/L	102.00	
Cd	100	95.789444	ug/L	96.08	
Co	100	98.965908	ug/L	99.66	
Cr	100	95.999443	ug/L	96.29	
Cu	100	100.273449	ug/L	100.98	
Fe	100	94.606581	ug/L	94.89	
Ge			ug/L		86.93
Hg	1	0.951735	ug/L	95.17	
Ho			ug/L		94.46
In			ug/L		89.67
K	1000	985.267793	ug/L	98.53	
Mg	100	108.740514	ug/L	108.52	
Mn	100	96.674935	ug/L	97.46	
Na	100	111.682376	ug/L	112.24	
Ni	100	100.103864	ug/L	101.01	
Pb	100	98.277013	ug/L	98.28	
Sb	100	93.976505	ug/L	94.54	
Sc			ug/L		87.20
Se	100	98.751603	ug/L	99.45	
Tl	100	96.756932	ug/L	97.64	
V	100	95.326683	ug/L	95.71	
Zn	100	97.724129	ug/L	98.12	

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 13:30:43
Sample Description: CV-Trace Metals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	111.157646	ug/L	112.05	
As	100	105.263808	ug/L	105.79	
Ba	100	99.679026	ug/L	100.28	
Be	100	104.656297	ug/L	105.39	
Ca	100	104.383661	ug/L	104.80	
Cd	100	97.7526	ug/L	98.05	
Co	100	101.151715	ug/L	101.87	
Cr	100	97.426464	ug/L	97.72	
Cu	100	102.036459	ug/L	102.76	
Fe	100	97.173789	ug/L	97.47	
Ge			ug/L		84.02
Hg	1	0.985675	ug/L	98.5675	
Ho			ug/L		93.04
In			ug/L		87.81
K	1000	1000.37623	ug/L	100.04	
Mg	100	112.295217	ug/L	112.07	
Mn	100	97.598239	ug/L	98.39	
Na	100	112.559871	ug/L	113.13	
Ni	100	102.499617	ug/L	103.43	
Pb	100	101.018463	ug/L	101.02	
Sb	100	96.203152	ug/L	96.78	
Sc			ug/L		85.36
Se	100	100.998778	ug/L	101.71	
Tl	100	100.404575	ug/L	101.32	
V	100	96.08506	ug/L	96.47	
Zn	100	98.054452	ug/L	98.45	

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 12:43:17
Sample Description: CV - Ag
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	41.004931	ug/L	97.17	
Ge			ug/L		86.00
Ho			ug/L		93.64
In			ug/L		89.63
Sc			ug/L		87.69

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 13:37:46
Sample Description: CV - Ag
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	42.346505	ug/L	100.347	
Ge			ug/L		83.666
Ho			ug/L		92.275
In			ug/L		86.618
Sc			ug/L		84.536

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 12:50:21
Sample Description: CV - Minerals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10466.6986	ug/L	104.67	
Ca	1000	10136.9773	ug/L	101.37	
Fe	1000	10154.3204	ug/L	101.54	
Ge			ug/L		84.99
Ho			ug/L		91.93
In			ug/L		85.07
K	1000	10094.2248	ug/L	100.94	
Mg	1000	10443.1482	ug/L	104.43	
Na	1000	10335.2809	ug/L	103.35	
P	1000	10100.3257	ug/L	101.00	
Sc			ug/L		84.42

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 13:44:50
Sample Description: CV - Minerals
Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10616.1254	ug/L	106.16	
Ca	1000	10280.6087	ug/L	102.81	
Fe	1000	10269.9601	ug/L	102.70	
Ge			ug/L		83.54
Ho			ug/L		91.23
In			ug/L		85.56
K	1000	10183.6731	ug/L	101.84	
Mg	1000	10589.6597	ug/L	105.90	
Na	1000	10525.2778	ug/L	105.25	
P	1000	10205.8101	ug/L	102.06	
Sc			ug/L		83.54

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Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 1	Tuesday, August 24, 2010 13:20:53	100	100	99	99
QC Std 2	Tuesday, August 24, 2010 13:27:55	100	101	99	99
QC Std 3	Tuesday, August 24, 2010 13:34:57	100	100	99	99
QC Std 5	Tuesday, August 24, 2010 13:41:58	101	100	100	101
QC Std 6	Tuesday, August 24, 2010 13:49:03	99	101	97	98
LLCS	Tuesday, August 24, 2010 14:15:46	100	100	99	99
ICSA	Tuesday, August 24, 2010 14:22:19	96	104	94	97
ICSAB	Tuesday, August 24, 2010 14:28:52	97	103	94	98
QC Std 1	Tuesday, August 24, 2010 15:01:27	104	102	99	100
QC Std 2	Tuesday, August 24, 2010 15:08:29	104	103	101	101
ICSAB	Tuesday, August 24, 2010 15:16:35	95	101	92	95
QC Std 1	Tuesday, August 24, 2010 15:29:42	103	102	100	100
QC Std 2	Tuesday, August 24, 2010 15:36:44	102	102	99	100
QC Std 5	Tuesday, August 24, 2010 15:43:47	103	101	100	99
QC Std 6	Tuesday, August 24, 2010 15:50:51	102	102	99	99
BLK	Tuesday, August 24, 2010 16:16:11	107	105	105	103
BLK	Tuesday, August 24, 2010 16:22:40	104	103	102	102
BLK	Tuesday, August 24, 2010 16:29:10	107	106	104	105
Ag LCS	Tuesday, August 24, 2010 16:35:40	102	103	101	99
Ag LCS	Tuesday, August 24, 2010 16:42:10	106	103	102	101
Ag LCS	Tuesday, August 24, 2010 16:48:41	106	103	103	101
LCS	Tuesday, August 24, 2010 16:55:13	100	101	98	100
LCS	Tuesday, August 24, 2010 17:01:45	97	97	95	99
LCS	Tuesday, August 24, 2010 17:08:17	92	92	92	97
QC Std 1	Tuesday, August 24, 2010 17:21:23	98	95	98	99
QC Std 2	Tuesday, August 24, 2010 17:28:25	97	94	96	96
QC Std 5	Tuesday, August 24, 2010 17:35:28	98	95	96	96
QC Std 6	Tuesday, August 24, 2010 17:42:32	99	97	96	96
92120.01	Tuesday, August 24, 2010 18:02:40	108	95	95	95
92120.02	Tuesday, August 24, 2010 18:09:07	109	94	96	96
92049.01	Tuesday, August 24, 2010 18:15:35	121	94	90	90
92049.02	Tuesday, August 24, 2010 18:22:03	112	102	88	91
92049.03	Tuesday, August 24, 2010 18:28:31	117	98	92	93
92049.04	Tuesday, August 24, 2010 18:35:00	117	90	88	91
92049.05	Tuesday, August 24, 2010 18:41:30	109	93	91	94
92049.06	Tuesday, August 24, 2010 18:47:59	102	96	87	89
QC Std 1	Tuesday, August 24, 2010 18:54:30	96	96	96	95
QC Std 2	Tuesday, August 24, 2010 19:01:32	98	96	97	96
QC Std 5	Tuesday, August 24, 2010 19:08:35	98	97	97	98
QC Std 6	Tuesday, August 24, 2010 19:15:39	94	96	93	95
92049.07	Tuesday, August 24, 2010 19:22:42	113	97	92	95
92049.07 MS	Tuesday, August 24, 2010 19:29:13	111	98	91	93
92049.07 MSD	Tuesday, August 24, 2010 19:35:44	106	93	87	90
92049.08	Tuesday, August 24, 2010 20:01:54	131	106	95	97
92049.09	Tuesday, August 24, 2010 20:08:24	117	102	97	100

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Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
92049.1	Tuesday, August 24, 2010 20:14:55	117	100	97	101
92049.11	Tuesday, August 24, 2010 20:21:27	117	96	94	98
QC Std 1	Tuesday, August 24, 2010 20:27:56	99	100	98	101
QC Std 2	Tuesday, August 24, 2010 20:34:58	100	100	101	102
QC Std 5	Tuesday, August 24, 2010 20:42:01	100	100	100	101
QC Std 6	Tuesday, August 24, 2010 20:49:05	95	96	94	95
92049.12	Tuesday, August 24, 2010 20:56:11	109	97	95	98
92049.13	Tuesday, August 24, 2010 21:02:44	114	90	87	91
92049.14	Tuesday, August 24, 2010 21:09:17	105	88	87	91
92049.15	Tuesday, August 24, 2010 21:15:51	123	96	94	95
92049.16	Tuesday, August 24, 2010 21:22:25	110	85	85	89
92049.17	Tuesday, August 24, 2010 21:28:59	108	92	90	94
92049.17 MS	Tuesday, August 24, 2010 21:35:35	105	94	88	92
92049.17 MSD	Tuesday, August 24, 2010 21:42:10	100	90	84	88
92049.17 MS	Tuesday, August 24, 2010 21:55:23	98	87	84	88
QC Std 1	Tuesday, August 24, 2010 22:01:54	89	89	92	95
QC Std 2	Tuesday, August 24, 2010 22:08:56	88	89	92	93
QC Std 5	Tuesday, August 24, 2010 22:16:00	89	90	92	95
QC Std 6	Tuesday, August 24, 2010 22:23:04	88	89	90	93
92049.17 MSD	Tuesday, August 24, 2010 22:30:12	97	87	82	88
92049.18	Tuesday, August 24, 2010 22:56:34	98	84	82	88
92049.19	Tuesday, August 24, 2010 23:03:05	95	82	83	90
92049.2	Tuesday, August 24, 2010 23:09:37	99	85	85	91
92049.21	Tuesday, August 24, 2010 23:16:10	96	87	89	92
92049.24	Tuesday, August 24, 2010 23:22:43	89	89	92	94
92049.25	Tuesday, August 24, 2010 23:29:17	87	88	91	95
QC Std 1	Tuesday, August 24, 2010 23:35:47	90	89	91	95
QC Std 2	Tuesday, August 24, 2010 23:42:49	90	89	92	95
QC Std 5	Tuesday, August 24, 2010 23:49:52	90	90	92	94
QC Std 6	Tuesday, August 24, 2010 23:56:56	89	91	90	94
92079.01	Wednesday, August 25, 2010 00:04:04	102	86	84	89
92079.02	Wednesday, August 25, 2010 00:10:38	105	86	83	89
92079.03	Wednesday, August 25, 2010 00:17:13	102	84	83	90
92079.03 MS	Wednesday, August 25, 2010 00:23:48	102	87	82	88
92079.03 MSD	Wednesday, August 25, 2010 00:30:24	101	86	82	89
92079.03 MS	Wednesday, August 25, 2010 00:43:37	100	84	81	86
92079.03 MSD	Wednesday, August 25, 2010 00:50:15	98	81	80	85
QC Std 1	Wednesday, August 25, 2010 01:09:48	82	83	85	91
QC Std 2	Wednesday, August 25, 2010 01:16:50	83	84	87	90
QC Std 5	Wednesday, August 25, 2010 01:23:53	83	84	86	92
QC Std 6	Wednesday, August 25, 2010 01:30:57	83	85	86	90
92079.04	Wednesday, August 25, 2010 01:44:34	98	81	80	87
92079.05	Wednesday, August 25, 2010 01:51:06	98	86	88	92
92079.06	Wednesday, August 25, 2010 01:57:38	99	86	88	93
92079.07	Wednesday, August 25, 2010 02:04:10	85	84	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
92049.01	Wednesday, August 25, 2010 02:10:44	108	86	84	90
92049.02	Wednesday, August 25, 2010 02:17:17	96	87	80	87
92049.03	Wednesday, August 25, 2010 02:23:52	103	88	85	91
92049.04	Wednesday, August 25, 2010 02:30:27	101	81	81	88
92049.04 MS	Wednesday, August 25, 2010 02:37:02	92	85	81	86
QC Std 1	Wednesday, August 25, 2010 02:43:32	86	86	88	92
QC Std 2	Wednesday, August 25, 2010 02:50:35	85	85	88	93
QC Std 5	Wednesday, August 25, 2010 02:57:38	84	86	88	92
QC Std 6	Wednesday, August 25, 2010 03:04:42	83	86	86	91
92049.04 MSD	Wednesday, August 25, 2010 03:11:50	90	83	79	85
92049.05	Wednesday, August 25, 2010 03:38:13	94	87	86	91
92049.08	Wednesday, August 25, 2010 03:44:43	113	91	85	90
92049.09	Wednesday, August 25, 2010 03:51:14	103	90	88	93
92049.1	Wednesday, August 25, 2010 03:57:45	104	90	88	93
92049.11	Wednesday, August 25, 2010 04:04:17	103	90	88	93
92049.12	Wednesday, August 25, 2010 04:10:49	102	92	90	94
QC Std 1	Wednesday, August 25, 2010 04:17:18	90	90	91	96
QC Std 2	Wednesday, August 25, 2010 04:24:20	89	91	91	96
QC Std 5	Wednesday, August 25, 2010 04:31:23	90	90	91	96
QC Std 6	Wednesday, August 25, 2010 04:38:27	87	89	88	93
92049.16	Wednesday, August 25, 2010 04:45:34	99	81	81	88
92049.17	Wednesday, August 25, 2010 04:52:07	97	83	82	89
92049.17 MS	Wednesday, August 25, 2010 04:58:40	97	83	80	87
92049.17 MSD	Wednesday, August 25, 2010 05:05:14	95	82	78	85
92049.18	Wednesday, August 25, 2010 05:31:34	91	81	79	88
92049.19	Wednesday, August 25, 2010 05:38:11	88	78	79	87
92049.2	Wednesday, August 25, 2010 05:44:44	93	82	81	88
QC Std 1	Wednesday, August 25, 2010 05:51:12	84	84	87	92
QC Std 2	Wednesday, August 25, 2010 05:58:14	83	84	87	92
QC Std 5	Wednesday, August 25, 2010 06:05:17	84	85	88	93
QC Std 6	Wednesday, August 25, 2010 06:12:21	85	85	86	93
92049.21	Wednesday, August 25, 2010 06:19:26	93	87	87	93
92049.24	Wednesday, August 25, 2010 06:25:56	84	88	88	92
92049.25	Wednesday, August 25, 2010 06:32:27	85	89	89	92
92079.02	Wednesday, August 25, 2010 06:38:58	100	83	81	88
92079.03	Wednesday, August 25, 2010 06:45:30	100	82	82	89
92079.03 MS	Wednesday, August 25, 2010 06:52:02	96	84	80	86
92079.03 MSD	Wednesday, August 25, 2010 06:58:35	95	83	79	85
QC Std 1	Wednesday, August 25, 2010 07:24:46	85	85	87	92
QC Std 2	Wednesday, August 25, 2010 07:31:48	85	84	87	91
QC Std 5	Wednesday, August 25, 2010 07:38:51	84	83	87	92
QC Std 6	Wednesday, August 25, 2010 07:45:55	84	84	85	91
92079.04	Wednesday, August 25, 2010 07:53:03	95	81	79	86
92079.05	Wednesday, August 25, 2010 07:59:38	95	86	86	91
92079.06	Wednesday, August 25, 2010 08:06:14	98	87	88	92

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Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
92079.07	Wednesday, August 25, 2010 08:12:50	84	87	87	92
QC Std 1	Wednesday, August 25, 2010 08:19:22	85	85	88	93
QC Std 2	Wednesday, August 25, 2010 08:26:24	85	85	86	93
QC Std 5	Wednesday, August 25, 2010 08:33:27	86	85	86	91
QC Std 6	Wednesday, August 25, 2010 08:40:31	85	86	86	92
92049.04	Wednesday, August 25, 2010 08:56:18	88	86	87	95
92049.07	Wednesday, August 25, 2010 09:02:48	88	87	88	93
92049.13	Wednesday, August 25, 2010 09:09:18	87	85	87	93
92049.14	Wednesday, August 25, 2010 09:15:48	86	84	87	93
92049.16	Wednesday, August 25, 2010 09:22:19	86	85	86	92
92049.17	Wednesday, August 25, 2010 09:28:50	86	85	87	93
92049.18	Wednesday, August 25, 2010 09:35:22	86	85	87	92
92049.19	Wednesday, August 25, 2010 09:41:55	86	84	86	91
92049.2	Wednesday, August 25, 2010 09:48:28	86	86	87	93
92079.01	Wednesday, August 25, 2010 09:55:01	87	86	87	93
QC Std 1	Wednesday, August 25, 2010 10:01:31	86	85	88	93
QC Std 5	Wednesday, August 25, 2010 10:15:37	88	86	89	94
QC Std 6	Wednesday, August 25, 2010 10:22:41	85	86	86	93
92049.17 MS	Wednesday, August 25, 2010 10:29:48	86	87	86	93
92049.17 MSD	Wednesday, August 25, 2010 10:36:22	87	87	86	93
92049.01	Wednesday, August 25, 2010 10:49:33	98	87	86	92
92049.02	Wednesday, August 25, 2010 10:56:06	93	89	85	91
92049.06	Wednesday, August 25, 2010 11:02:35	89	85	85	90
92049.08	Wednesday, August 25, 2010 11:09:05	101	89	86	91
92079.02	Wednesday, August 25, 2010 11:15:35	95	85	85	91
92079.03	Wednesday, August 25, 2010 11:22:06	91	83	83	90
92079.04	Wednesday, August 25, 2010 11:28:37	93	83	83	90
92079.03 MS	Wednesday, August 25, 2010 11:35:09	91	84	82	89
92079.03 MSD	Wednesday, August 25, 2010 11:41:41	89	83	81	88
QC Std 1	Wednesday, August 25, 2010 11:54:43	86	86	88	94
QC Std 2	Wednesday, August 25, 2010 12:01:45	62	62	61	65
92079.03 MS	Wednesday, August 25, 2010 12:09:37	85	86	86	91
92079.03 MSD	Wednesday, August 25, 2010 12:16:09	86	85	85	91
QC Std 1	Wednesday, August 25, 2010 12:29:11	87	87	88	94
QC Std 2	Wednesday, August 25, 2010 12:36:14	87	87	90	94
QC Std 5	Wednesday, August 25, 2010 12:43:17	88	86	90	94
QC Std 6	Wednesday, August 25, 2010 12:50:21	84	85	85	92
92079.05	Wednesday, August 25, 2010 13:04:02	95	83	87	93
92079.06	Wednesday, August 25, 2010 13:10:36	94	84	85	93
92079.07	Wednesday, August 25, 2010 13:17:10	83	84	87	94
QC Std 1	Wednesday, August 25, 2010 13:23:40	85	84	87	94
QC Std 2	Wednesday, August 25, 2010 13:30:43	85	84	88	93
QC Std 5	Wednesday, August 25, 2010 13:37:46	85	84	87	92
QC Std 6	Wednesday, August 25, 2010 13:44:50	84	84	86	91

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ICSA/ICSAB
EAI SDG 92049 & 92079

Sample ID: ICSA
Sample Date Tuesday, August 24, 2010 14:22:19
Sample Description:

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	< 1	0.09284	ug/L		
Al	50000	46395.167	ug/L	93	
As	< 1	0.055535	ug/L		
Ba	< 1	0.25695	ug/L		
Be	< 1	0.076839	ug/L		
Ca	50000	48559.1263	ug/L	97	
Cd	< 1	0.081793	ug/L		
Co	< 1	0.253421	ug/L		
Cr	< 1	0.590666	ug/L		
Cu	< 1	0.91627	ug/L		
Fe	50000	47990.8327	ug/L	96	
Ge			ug/L		103.86
Hg	< 0.1	0.011827	ug/L		
Ho			ug/L		96.90
In			ug/L		93.77
K	50000	48521.6942	ug/L	97	
Mg	50000	45910.7558	ug/L	92	
Mn	< 5	0.207444	ug/L		
Na	50000	46383.7818	ug/L	93	
Ni	1.82	1.818176	ug/L		
P	50000	46402.2046	ug/L	93	
Pb	< 1	0.12827	ug/L		
Sb	< 1	0.116969	ug/L		
Sc			ug/L		96.14
Se	< 1	0.920207	ug/L		
Tl	< 1	0.081219	ug/L		
V	1.82	1.815448	ug/L		
Zn	< 5	1.650841	ug/L		

Sample ID: ICSAB
Sample Date Tuesday, August 24, 2010 15:16:35
Sample Description:

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	10	4.024546	ug/L	40	
Al	50000	45996.5115	ug/L	92	
As	10	9.237628	ug/L	92	
Ba	10	10.044237	ug/L	100	
Be	10	9.720954	ug/L	97	
Ca	50000	48386.839	ug/L	97	
Cd	10	9.740714	ug/L	97	
Co	10	9.532834	ug/L	95	
Cr	10	10.105606	ug/L	101	
Cu	10	9.497683	ug/L	95	
Fe	50000	48019.3395	ug/L	96	
Ge			ug/L		101.34
Hg	1	0.999662	ug/L	100	
Ho			ug/L		94.74
In			ug/L		91.54
K	50000	48117.48	ug/L	96	
Mg	50000	45646.6019	ug/L	91	
Mn	10	9.658025	ug/L	97	
Na	50000	45810.5684	ug/L	92	
Ni	10	10.730202	ug/L	107	
P	50000	45842.7288	ug/L	92	
Pb	10	9.644403	ug/L	96	
Sb	10	10.195841	ug/L	102	
Sc			ug/L		95.19
Se	10	9.967493	ug/L	100	
Tl	10	9.609565	ug/L	96	
V	10	11.64656	ug/L	116	
Zn	10	10.580745	ug/L	106	

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Linear Range Check
EAI SDGs: 91943, 92049, 92079
Dissolved Iron and Manganese

Sample ID: 5ppm LRC
Sample Date/Time: Monday, August 23, 2010 13:42:46
Sample Description: Linear Range Check

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc. Mean	Unit	% R	% R
Ag	5000	4837.34742	ug/L	96.75	
Al	5000	5090.11602	ug/L	101.80	
As	5000	4596.65508	ug/L	91.93	
Ba	5000	4876.49724	ug/L	97.53	
Be	5000	5084.73526	ug/L	101.69	
Ca	5000	5140.43029	ug/L	102.81	
Cd	5000	4711.89927	ug/L	94.24	
Co	5000	4688.81101	ug/L	93.78	
Cr	5000	4673.77157	ug/L	93.48	
Cu	5000	4378.99755	ug/L	87.58	
Fe	5000	5001.15574	ug/L	100.02	
Ge			ug/L		84.276
Hg	NA	0.162131	ug/L		
Ho			ug/L		92.551
In			ug/L		87.17
K	5000	5063.25646	ug/L	101.27	
Mg	5000	5072.57566	ug/L	101.45	
Mn	5000	4777.49352	ug/L	95.55	
Na	5000	5101.34089	ug/L	102.03	
Ni	5000	4500.31188	ug/L	90.01	
P	NA	5.791246	ug/L		
Pb	5000	4834.13109	ug/L	96.68	
Sb	5000	4695.12872	ug/L	93.90	
Sc			ug/L		82.536
Se	5000	4709.56582	ug/L	94.19	
Tl	5000	4920.50137	ug/L	98.41	
V	5000	4761.85677	ug/L	95.24	
Zn	5000	4433.91103	ug/L	88.68	

Metals

Sample Data

Sample ID: 92049.01
Sample Date/Time: Tuesday, August 24, 2010 18:15:35
Autosampler Position: 42
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.01.46839

Use Bat 5c Primary's

TCV is lower on secondary

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17607.702	ug/L	
Be	9	0.017888	20.667	ug/L	0.002
B	10	276.929756	45069.582	ug/L	3.297
B	11	282.554067	230238.114	ug/L	0.108
C	12		1235919.761	ug/L	
Na	23	31072.841312	318685294.836	ug/L	552.796
Mg	24	18968.001122	129881531.772	ug/L	176.941
Mg	25	19319.973120	18670336.682	ug/L	243.766
Al	27	136.019666	1503017.435	ug/L	0.717
Si	28		60942527.104	ug/L	
P	31	591.862918	385498.733	ug/L	2.015
S	32		113418593.112	ug/L	
Cl	35		12888614.298	ug/L	
K	39	29869.775535	525612515.993	ug/L	294.741
Ca	44	62341.372326	35404965.473	ug/L	236.021
Sc	45		327740.685	ug/L	
Ti	47	13.002273	20251.745	ug/L	0.521
Ti	48	57.733834	940933.013	ug/L	0.185
V	51	0.612741	49822.661	ug/L	0.011
ClO	51		50974.705	ug/L	
Cr	52	0.891385	30544.232	ug/L	0.010
Cr	53	0.286756	13100.563	ug/L	0.049
Fe	54	22485.434215	27397408.846	ug/L	147.848
Mn	55	1106.806257	28944404.131	ug/L	11.355
Fe	56	22732.765541	468207388.225	ug/L	130.384
Fe	57	22701.152268	11302668.112	ug/L	184.602
Co	59	3.930769	74212.455	ug/L	0.028
Ni	60	9.793450	39262.334	ug/L	0.052
Ni	62	7.993548	4809.987	ug/L	0.075
Cu	63	2.429398	22390.770	ug/L	0.033
Zn	64	4.851985	22418.563	ug/L	0.027
Cu	65	2.099964	9387.941	ug/L	0.045
Zn	66	4.239175	11617.870	ug/L	0.049
Zn	68	6.029452	11381.568	ug/L	0.008
Ge	72		198554.421	ug/L	
As	75	63.825034	133141.972	ug/L	0.438
ArCl	77		1063.740	ug/L	
Se	78	-0.107654	14394.190	ug/L	0.126
Br	79		232281.143	ug/L	

Br	81		279751.794	ug/L	
Se	82	3.695640	638.562	ug/L	0.196
Y	89		501754.908	ug/L	
Mo	95	0.889247	4388.103	ug/L	0.010
Rh	103		414521.208	ug/L	
Ag	107	0.189773	2583.060	ug/L	0.006
Ag	109	0.184434	2420.680	ug/L	0.013
Cd	111	0.012026	109.002	ug/L	0.002
Cd	114	-0.021855	411.680	ug/L	0.002
In	115		513493.170	ug/L	
Sb	121	0.169874	2082.594	ug/L	0.019
Sb	123	0.166723	1597.509	ug/L	0.006
Ba	137	71.301194	354015.151	ug/L	0.068
Ba	138	68.170007	2176375.044	ug/L	0.578
Tb	159		548709.773	ug/L	
Ho	165		521416.588	ug/L	
Hg	200	0.007373	26.334	ug/L	0.003
Hg	202	0.004562	26.000	ug/L	0.001
Tl	205	-0.001377	389.346	ug/L	0.000
Pb	208	0.307794	14039.700	ug/L	0.004
Bi	209		389035.952	ug/L	
Se	77	1.391565	1060.406	ug/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		121.046
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	94.267
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.774
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	90.283
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.02
Sample Date/Time: Tuesday, August 24, 2010 18:22:03
Autosampler Position: 43
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.02.46840

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17431.368	ug/L	
Be	9	0.016523	18.334	ug/L	0.002
B	10	293.125825	43942.064	ug/L	2.339
B	11	301.212290	226086.964	ug/L	3.557
C	12		1464886.029	ug/L	
Na	23	55782.193309	527029835.680	ug/L	801.749
Mg	24	24151.572963	152352225.959	ug/L	198.527
Mg	25	24308.194673	21640956.315	ug/L	281.052
Al	27	42.337882	434468.938	ug/L	0.143
Si	28		41772473.080	ug/L	
P	31	42.670008	39958.286	ug/L	0.347
S	32		113095596.490	ug/L	
Cl	35		14556929.101	ug/L	
K	39	19275.722980	312865786.651	ug/L	158.283
Ca	44	65024.309219	34021795.005	ug/L	928.476
Sc	45		301932.260	ug/L	
Ti	47	3.341456	5039.447	ug/L	0.023
Ti	48	54.905355	824253.865	ug/L	1.321
V	51	1.865697	69862.182	ug/L	0.053
ClO	51		72372.350	ug/L	
Cr	52	1.208055	33179.566	ug/L	0.009
Cr	53	1.694690	14713.379	ug/L	0.072
Fe	54	52583.254871	58894958.133	ug/L	493.190
Mn	55	1419.085808	34187065.669	ug/L	12.963
Fe	56	53690.268651	1012697206.256	ug/L	427.070
Fe	57	53364.919693	24455257.041	ug/L	598.367
Co	59	1.805006	31606.164	ug/L	0.002
Ni	60	7.051788	26089.979	ug/L	0.108
Ni	62	5.023916	2814.797	ug/L	0.141
Cu	63	2.028287	17303.628	ug/L	0.019
Zn	64	4.721801	20140.264	ug/L	0.048
Cu	65	1.345633	5594.777	ug/L	0.007
Zn	66	4.395537	11065.174	ug/L	0.002
Zn	68	7.422097	12733.039	ug/L	0.036
Ge	72		214466.960	ug/L	
As	75	117.319109	264573.839	ug/L	0.098
ArCl	77		1276.102	ug/L	
Se	78	-2.259065	14363.133	ug/L	0.054
Br	79		470490.512	ug/L	

Br	81		527107.187	ug/L	
Se	82	6.429823	1386.950	ug/L	0.062
Y	89		528619.745	ug/L	
Mo	95	0.711870	3807.169	ug/L	0.010
Rh	103		410126.067	ug/L	
Ag	107	0.222064	2932.503	ug/L	0.014
Ag	109	0.217661	2763.448	ug/L	0.009
Cd	111	-0.001210	67.334	ug/L	0.001
Cd	114	-0.049818	208.004	ug/L	0.001
In	115		505474.583	ug/L	
Sb	121	0.227072	2611.068	ug/L	0.006
Sb	123	0.218942	1971.581	ug/L	0.011
Ba	137	121.670595	594580.558	ug/L	0.532
Ba	138	116.460111	3659573.715	ug/L	0.118
Tb	159		553027.800	ug/L	
Ho	165		525318.304	ug/L	
Hg	200	0.007619	27.000	ug/L	0.001
Hg	202	0.005128	27.667	ug/L	0.001
Tl	205	-0.000233	423.014	ug/L	0.001
Pb	208	0.068805	5261.657	ug/L	0.000
Bi	209		377255.606	ug/L	
Se	77	2.461106	1239.764	ug/L	0.020

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		111.514
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
> Ge 101.822
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
> In 88.372
| Sb
| Sb
| Ba
└ Ba
┌ Tb
> Ho 90.958
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 92049.03
Sample Date/Time: Tuesday, August 24, 2010 18:28:31
Autosampler Position: 44
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.03.46841

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18599.006	ug/L	
Be	9	0.007558	14.333	ug/L	0.004
B	10	222.023127	35033.401	ug/L	4.002
B	11	229.846181	181595.693	ug/L	5.124
C	12		1181382.418	ug/L	
Na	23	34793.369824	345748239.019	ug/L	754.507
Mg	24	10509.127597	69726506.100	ug/L	207.910
Mg	25	10531.413299	9861253.049	ug/L	354.110
Al	27	5.591900	64961.086	ug/L	0.055
Si	28		50441983.989	ug/L	
P	31	371.127007	240295.209	ug/L	6.904
S	32		122132819.215	ug/L	
Cl	35		13212279.195	ug/L	
K	39	17133.309936	292609423.352	ug/L	356.122
Ca	44	27584.146840	15186630.066	ug/L	242.035
Sc	45		317577.146	ug/L	
Ti	47	2.879186	4615.217	ug/L	0.013
Ti	48	28.996385	457743.955	ug/L	0.804
V	51	0.369616	43386.735	ug/L	0.039
ClO	51		44434.129	ug/L	
Cr	52	0.095269	16268.970	ug/L	0.002
Cr	53	0.029823	12187.287	ug/L	0.114
Fe	54	16472.562149	19475537.128	ug/L	189.133
Mn	55	702.654999	17806721.458	ug/L	2.282
Fe	56	16738.828760	335288139.391	ug/L	97.429
Fe	57	16562.124933	7994906.165	ug/L	31.026
Co	59	11.019203	200838.570	ug/L	0.013
Ni	60	10.022502	38929.566	ug/L	0.083
Ni	62	9.260913	5386.316	ug/L	0.149
Cu	63	0.601692	5766.553	ug/L	0.010
Zn	64	3.505973	16159.015	ug/L	0.045
Cu	65	0.171479	886.385	ug/L	0.005
Zn	66	3.174803	8660.877	ug/L	0.008
Zn	68	4.236413	7984.918	ug/L	0.007
Ge	72		205922.102	ug/L	
As	75	238.748662	517222.035	ug/L	0.904
ArCl	77		998.732	ug/L	
Se	78	-0.970950	14472.298	ug/L	0.252
Br	79		176390.195	ug/L	

Br	81		222018.574	ug/L	
Se	82	2.852790	455.492	ug/L	0.102
Y	89		510310.725	ug/L	
Mo	95	25.114426	126896.810	ug/L	0.171
Rh	103		427256.311	ug/L	
Ag	107	0.192242	2676.087	ug/L	0.000
Ag	109	0.187336	2513.373	ug/L	0.001
Cd	111	0.070217	294.341	ug/L	0.000
Cd	114	-0.005406	542.355	ug/L	0.003
In	115		525849.140	ug/L	
Sb	121	0.087666	1294.105	ug/L	0.007
Sb	123	0.083210	972.796	ug/L	0.008
Ba	137	32.272499	164149.342	ug/L	0.156
Ba	138	32.176802	1052286.389	ug/L	0.067
Tb	159		568229.425	ug/L	
Ho	165		537617.723	ug/L	
Hg	200	0.007835	28.000	ug/L	0.005
Hg	202	0.009237	39.334	ug/L	0.000
Tl	205	0.002219	500.352	ug/L	0.001
Pb	208	0.010296	3158.582	ug/L	0.002
Bi	209		401341.111	ug/L	
Se	77	1.077465	1007.733	ug/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		117.292
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌ Ge 97.765
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
| In 91.934
| Sb
| Sb
| Ba
└ Ba
┌ Tb
| Ho 93.088
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 92049.04
Sample Date/Time: Tuesday, August 24, 2010 18:35:00
Autosampler Position: 45
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.04.46842

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19686.628	ug/L	
Be	9	0.003324	12.000	ug/L	0.004
B	10	221.956425	35058.156	ug/L	0.171
B	11	234.299772	185277.144	ug/L	2.944
C	12		1414500.210	ug/L	
Na	23	S	S	ug/L	S
Mg	24	28765.483483	191025883.569	ug/L	547.534
Mg	25	28555.200140	26762820.655	ug/L	391.278
Al	27	17.089259	187753.002	ug/L	1.016
Si	28		50824816.290	ug/L	
P	31	197.926782	135854.796	ug/L	8.765
S	32		116626283.702	ug/L	
Cl	35		16742383.866	ug/L	
K	39	11551.699015	197819480.009	ug/L	144.630
Ca	44	45395.662903	25009028.250	ug/L	304.466
Sc	45		317897.696	ug/L	
Ti	47	3.170890	5050.790	ug/L	0.265
Ti	48	39.199089	619496.766	ug/L	0.665
V	51	0.627242	48619.506	ug/L	0.019
ClO	51		49661.463	ug/L	
Cr	52	0.319780	20047.828	ug/L	0.002
Cr	53	1.366491	14841.253	ug/L	0.066
Fe	54	6829.128453	8142400.934	ug/L	10.089
Mn	55	1294.367351	32829819.054	ug/L	4.792
Fe	56	6912.722306	141347250.830	ug/L	34.267
Fe	57	7059.676364	3421544.460	ug/L	32.116
Co	59	2.203267	40524.864	ug/L	0.040
Ni	60	10.197234	39643.312	ug/L	0.086
Ni	62	8.930104	5201.873	ug/L	0.091
Cu	63	2.322762	20786.278	ug/L	0.012
Zn	64	4.319253	19540.375	ug/L	0.005
Cu	65	0.500105	2287.978	ug/L	0.014
Zn	66	3.877858	10386.033	ug/L	0.016
Zn	68	6.560396	11941.624	ug/L	0.026
Ge	72		189825.444	ug/L	
As	75	15.516083	30774.377	ug/L	0.029
ArCl	77		1363.783	ug/L	
Se	78	0.509687	14062.296	ug/L	0.248
Br	79		590366.575	ug/L	

Br	81		664174.989	ug/L	
Se	82	8.545725	1705.338	ug/L	0.038
Y	89		504468.716	ug/L	
Mo	95	7.758527	36174.524	ug/L	0.058
Rh	103		406068.550	ug/L	
Ag	107	0.191205	2553.051	ug/L	0.000
Ag	109	0.191061	2452.356	ug/L	0.011
Cd	111	0.018549	126.669	ug/L	0.003
Cd	114	-0.026902	368.678	ug/L	0.000
In	115		504122.070	ug/L	
Sb	121	0.153561	1884.881	ug/L	0.000
Sb	123	0.159880	1516.331	ug/L	0.006
Ba	137	115.296355	561931.653	ug/L	0.698
Ba	138	109.673721	3437191.563	ug/L	0.494
Tb	159		550480.402	ug/L	
Ho	165		524135.615	ug/L	
Hg	200	0.015340	42.334	ug/L	0.002
Hg	202	0.009970	40.334	ug/L	0.003
Tl	205	0.003456	521.354	ug/L	0.001
Pb	208	0.240718	11623.017	ug/L	0.007
Bi	209		370372.911	ug/L	
Se	77	3.264271	1374.451	ug/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		117.411
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 90.123
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 88.135
Sb
Sb
Ba
Ba
Tb
Ho 90.753
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.05
Sample Date/Time: Tuesday, August 24, 2010 18:41:30
Autosampler Position: 46
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.05.46843

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19209.617	ug/L	
Be	9	0.002407	10.667	ug/L	0.002
B	10	11.911993	1841.538	ug/L	0.089
B	11	12.632004	9800.711	ug/L	0.083
C	12		881550.496	ug/L	
Na	23	38239.465788	352575856.797	ug/L	490.197
Mg	24	1009.677823	6216921.621	ug/L	10.879
Mg	25	1025.756847	891370.547	ug/L	14.519
Al	27	94.993832	945191.478	ug/L	3.480
Si	28		33008894.805	ug/L	
P	31	178.273591	114943.570	ug/L	3.600
S	32		119061009.963	ug/L	
Cl	35		12693060.783	ug/L	
K	39	4568.082401	73115348.102	ug/L	48.099
Ca	44	6978.331721	3573639.866	ug/L	41.901
Sc	45		294675.760	ug/L	
Ti	47	6.671264	9499.723	ug/L	0.130
Ti	48	12.438945	182024.501	ug/L	0.053
V	51	0.514908	42970.419	ug/L	0.017
ClO	51		43970.891	ug/L	
Cr	52	0.180518	16420.139	ug/L	0.001
Cr	53	0.671968	12485.695	ug/L	0.114
Fe	54	251.775551	370079.175	ug/L	7.369
Mn	55	21.454309	509376.307	ug/L	0.047
Fe	56	220.313030	8372939.542	ug/L	3.068
Fe	57	269.010899	136636.060	ug/L	2.775
Co	59	0.052174	1264.101	ug/L	0.002
Ni	60	0.749669	2855.477	ug/L	0.014
Ni	62	0.685207	441.682	ug/L	0.000
Cu	63	1.028231	8800.012	ug/L	0.001
Zn	64	5.648650	23212.253	ug/L	0.025
Cu	65	0.519309	2196.287	ug/L	0.011
Zn	66	5.474398	13240.768	ug/L	0.038
Zn	68	5.873757	9987.583	ug/L	0.102
Ge	72		196524.196	ug/L	
As	75	2.611806	5167.950	ug/L	0.032
ArCl	77		1025.735	ug/L	
Se	78	-0.084751	14257.987	ug/L	0.595
Br	79		42199.533	ug/L	

Br	81		80658.058	ug/L	
Se	82	1.403923	96.050	ug/L	0.104
Y	89		508243.019	ug/L	
Mo	95	0.890152	4348.083	ug/L	0.010
Rh	103		430315.897	ug/L	
Ag	107	0.204559	2812.797	ug/L	0.001
Ag	109	0.197252	2614.402	ug/L	0.007
Cd	111	0.022875	144.669	ug/L	0.005
Cd	114	-0.027003	381.345	ug/L	0.002
In	115		522557.444	ug/L	
Sb	121	0.240425	2834.804	ug/L	0.007
Sb	123	0.244586	2240.663	ug/L	0.010
Ba	137	11.530040	58352.286	ug/L	0.063
Ba	138	11.653371	379058.244	ug/L	0.106
Tb	159		569059.558	ug/L	
Ho	165		544106.820	ug/L	
Hg	200	0.171767	366.678	ug/L	0.001
Hg	202	0.118001	334.676	ug/L	0.002
Tl	205	-0.002206	383.012	ug/L	0.001
Pb	208	0.164756	9143.906	ug/L	0.001
Bi	209		422003.420	ug/L	
Se	77	1.099334	1011.400	ug/L	0.427

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		108.834
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge 93.303
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In 91.358
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho 94.211
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

Sample ID: 92049.06
Sample Date/Time: Tuesday, August 24, 2010 18:47:59
Autosampler Position: 47
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.06.46844

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16819.555	ug/L	
Be	9	0.010217	13.667	ug/L	0.013
B	10	272.250537	37315.809	ug/L	1.739
B	11	286.581809	196674.403	ug/L	0.010
C	12		1374790.483	ug/L	
Na	23	69417.472168	599489593.591	ug/L	869.410
Mg	24	18121.857209	104486829.261	ug/L	367.937
Mg	25	18069.432475	14704091.698	ug/L	283.824
Al	27	30.782381	289963.905	ug/L	0.999
Si	28		27861441.065	ug/L	
P	31	233.278515	136527.848	ug/L	2.143
S	32		116490402.365	ug/L	
Cl	35		13878673.397	ug/L	
K	39	13456.034336	199939665.135	ug/L	64.773
Ca	44	62984.456721	30126525.729	ug/L	69.851
Sc	45		276039.746	ug/L	
Ti	47	2.917669	4059.947	ug/L	0.092
Ti	48	52.776385	723916.538	ug/L	3.496
V	51	0.799392	45222.328	ug/L	0.017
ClO	51		46340.610	ug/L	
Cr	52	0.364735	18059.984	ug/L	0.016
Cr	53	1.278926	12738.383	ug/L	0.056
Fe	54	35189.535462	36054039.559	ug/L	702.531
Mn	55	2705.643943	59579700.357	ug/L	23.087
Fe	56	36179.401343	625186659.353	ug/L	27.038
Fe	57	35716.438576	14967229.014	ug/L	244.226
Co	59	3.353669	53372.082	ug/L	0.047
Ni	60	8.056858	27225.311	ug/L	0.189
Ni	62	6.181140	3149.577	ug/L	0.104
Cu	63	1.134142	9045.589	ug/L	0.002
Zn	64	5.702573	21935.622	ug/L	0.057
Cu	65	0.242299	1032.402	ug/L	0.003
Zn	66	5.545579	12553.788	ug/L	0.034
Zn	68	7.357163	11542.772	ug/L	0.149
Ge	72		201600.166	ug/L	
As	75	19.447405	41024.939	ug/L	0.030
ArCl	77		1216.760	ug/L	
Se	78	-0.937089	14185.986	ug/L	0.124
Br	79		351238.218	ug/L	

Br	81		400774.385	ug/L	
Se	82	5.263332	1024.022	ug/L	0.227
Y	89		481650.166	ug/L	
Mo	95	0.211832	1106.412	ug/L	0.009
Rh	103		406549.305	ug/L	
Ag	107	0.171224	2289.645	ug/L	0.003
Ag	109	0.163768	2118.935	ug/L	0.002
Cd	111	-0.005529	53.667	ug/L	0.003
Cd	114	-0.056699	157.336	ug/L	0.002
In	115		498988.705	ug/L	
Sb	121	0.119630	1537.812	ug/L	0.008
Sb	123	0.114075	1155.601	ug/L	0.001
Ba	137	71.134266	343179.885	ug/L	0.838
Ba	138	68.070041	2111623.785	ug/L	0.692
Tb	159		545393.277	ug/L	
Ho	165		516826.369	ug/L	
Hg	200	0.004606	20.667	ug/L	0.002
Hg	202	0.001413	17.667	ug/L	0.002
Tl	205	-0.000631	405.680	ug/L	0.000
Pb	208	0.207917	10264.034	ug/L	0.000
Bi	209		374342.665	ug/L	
Se	77	2.123145	1183.089	ug/L	0.318

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		101.951
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 95.713
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 87.238
Sb
Sb
Ba
Ba
Tb
Ho 89.488
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.07
Sample Date/Time: Tuesday, August 24, 2010 19:22:42
Autosampler Position: 48
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.07.46849

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		20341.408	ug/L	
Be	9	0.063555	43.667	ug/L	0.007
B	10	199.149251	30374.965	ug/L	0.926
B	11	211.664215	161644.208	ug/L	0.851
C	12		1309960.175	ug/L	
Na	23	S	S	ug/L	S
Mg	24	16566.582575	106215651.681	ug/L	126.436
Mg	25	16652.272640	15067162.434	ug/L	53.232
Al	27	4.352895	49998.782	ug/L	0.008
Si	28		40453342.351	ug/L	
P	31	409.473425	254549.689	ug/L	3.341
S	32		116207501.875	ug/L	
Cl	35		14278810.936	ug/L	
K	39	8132.401776	134746360.105	ug/L	29.073
Ca	44	21202.509116	11282285.921	ug/L	64.724
Sc	45		306871.075	ug/L	
Ti	47	2.552790	3992.250	ug/L	0.037
Ti	48	21.982236	335281.011	ug/L	0.455
V	51	0.246723	39538.209	ug/L	0.021
ClO	51		40799.762	ug/L	
Cr	52	0.034382	14734.188	ug/L	0.013
Cr	53	0.377522	12441.637	ug/L	0.146
Fe	54	13365.123048	15288473.508	ug/L	119.147
Mn	55	338.111002	8283058.671	ug/L	5.129
Fe	56	13652.429325	265096037.231	ug/L	143.953
Fe	57	13560.398739	6328342.154	ug/L	3.969
Co	59	2.036438	36191.264	ug/L	0.004
Ni	60	7.007842	26354.076	ug/L	0.013
Ni	62	6.481045	3666.109	ug/L	0.173
Cu	63	1.356637	11928.273	ug/L	0.029
Zn	64	3.281136	14714.966	ug/L	0.052
Cu	65	0.132140	694.700	ug/L	0.001
Zn	66	3.129658	8262.503	ug/L	0.000
Zn	68	5.171467	9248.795	ug/L	0.066
Ge	72		203905.879	ug/L	
As	75	10.992920	23345.863	ug/L	0.154
ArCl	77		1122.414	ug/L	
Se	78	-0.219313	14722.054	ug/L	0.382
Br	79		276894.977	ug/L	

Br	81		329446.877	ug/L	
Se	82	4.447099	837.536	ug/L	0.073
Y	89		514756.907	ug/L	
Mo	95	4.838922	24253.218	ug/L	0.102
Rh	103		425104.422	ug/L	
Ag	107	0.262904	3551.396	ug/L	0.000
Ag	109	0.257392	3336.646	ug/L	0.008
Cd	111	0.004928	89.001	ug/L	0.002
Cd	114	-0.049896	215.005	ug/L	0.003
In	115		524327.422	ug/L	
Sb	121	0.106891	1486.136	ug/L	0.004
Sb	123	0.106335	1152.528	ug/L	0.005
Ba	137	74.329526	376789.075	ug/L	0.874
Ba	138	71.169885	2319902.807	ug/L	0.447
Tb	159		574187.229	ug/L	
Ho	165		546268.122	ug/L	
Hg	200	0.004844	22.334	ug/L	0.000
Hg	202	0.005966	31.000	ug/L	0.003
Tl	205	-0.002889	365.678	ug/L	0.000
Pb	208	0.011509	3256.594	ug/L	0.001
Bi	209		392338.154	ug/L	
Se	77	2.047601	1170.420	ug/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		113.338
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 96.808
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 91.668
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 94.586
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 92049.07 MS
Sample Date/Time: Tuesday, August 24, 2010 19:29:13
Autosampler Position: 49
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.07 MS.46850

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		20429.614	ug/L	
Be	9	837.815607	438105.625	ug/L	2.436
B	10	181.789914	27217.961	ug/L	1.463
B	11	193.668664	145176.903	ug/L	1.260
C	12		1951006.056	ug/L	
Na	23	S	S	ug/L	S
Mg	24	24610.525848	154824541.952	ug/L	127.080
Mg	25	24720.235527	21947322.347	ug/L	71.496
Al	27	9807.736455	99217367.885	ug/L	43.035
Si	28		36130618.769	ug/L	
P	31	9351.962932	5368180.903	ug/L	99.739
S	32		122001393.004	ug/L	
Cl	35		16139633.248	ug/L	
K	39	17435.758646	282321272.780	ug/L	6.157
Ca	44	29434.506260	15364956.718	ug/L	211.119
Sc	45		301115.097	ug/L	
Ti	47	25.269581	35854.932	ug/L	0.550
Ti	48	29.949021	448187.432	ug/L	1.718
V	51	840.904111	16070023.773	ug/L	5.311
ClO	51		16484216.458	ug/L	
Cr	52	816.118256	12969417.114	ug/L	2.125
Cr	53	827.237640	1560444.660	ug/L	3.173
Fe	54	21938.566934	24561835.162	ug/L	157.658
Mn	55	1140.772706	27407157.625	ug/L	6.451
Fe	56	22559.102694	426895921.055	ug/L	166.957
Fe	57	22065.068166	10093337.262	ug/L	151.072
Co	59	801.965222	13831010.193	ug/L	0.194
Ni	60	762.187718	2794192.754	ug/L	7.353
Ni	62	794.909430	431626.173	ug/L	5.839
Cu	63	725.500378	5995623.160	ug/L	2.067
Zn	64	750.472673	2942957.178	ug/L	2.727
Cu	65	721.090613	2910771.478	ug/L	2.074
Zn	66	780.636904	1806297.323	ug/L	0.217
Zn	68	803.084463	1293295.382	ug/L	1.380
Ge	72		205405.419	ug/L	
As	75	943.279421	2039017.593	ug/L	6.375
ArCl	77		161827.584	ug/L	
Se	78	974.742594	529177.286	ug/L	10.693
Br	79		262414.657	ug/L	

Br	81		311436.399	ug/L	
Se	82	917.244683	223866.432	ug/L	8.412
Y	89		503315.343	ug/L	
Mo	95	984.476212	4959466.844	ug/L	0.954
Rh	103		422268.511	ug/L	
Ag	107	861.196497	10721404.313	ug/L	19.457
Ag	109	856.699028	10128611.951	ug/L	23.781
Cd	111	953.711668	2975001.235	ug/L	3.405
Cd	114	962.107887	7013811.794	ug/L	0.084
In	115		522375.290	ug/L	
Sb	121	993.654798	10070639.446	ug/L	12.289
Sb	123	981.807636	7746918.659	ug/L	9.508
Ba	137	1055.644791	5330481.490	ug/L	0.030
Ba	138	1060.343389	34428921.969	ug/L	1.492
Tb	159		566970.048	ug/L	
Ho	165		536195.927	ug/L	
Hg	200	0.985884	2016.911	ug/L	0.018
Hg	202	1.002202	2691.759	ug/L	0.017
Tl	205	946.267185	25997354.929	ug/L	0.734
Pb	208	931.703051	35353112.313	ug/L	6.784
Bi	209		393862.353	ug/L	
Se	77	948.508123	159888.034	ug/L	3.507

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		111.212
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	97.520
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.327
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	92.842
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.07 MSD
Sample Date/Time: Tuesday, August 24, 2010 19:35:44
Autosampler Position: 50
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.07 MSD.46851

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19710.679	ug/L	
Be	9	878.082716	437400.640	ug/L	7.330
B	10	189.981757	27092.919	ug/L	0.887
B	11	200.319752	143036.776	ug/L	2.052
C	12		1943747.325	ug/L	
Na	23	S	S	ug/L	S
Mg	24	25710.136361	154075052.463	ug/L	229.029
Mg	25	25800.696553	21821897.327	ug/L	28.965
Al	27	10215.318763	98445180.390	ug/L	16.681
Si	28		36102179.798	ug/L	
P	31	9642.138141	5271975.091	ug/L	20.041
S	32		116624056.139	ug/L	
Cl	35		15987368.839	ug/L	
K	39	18148.970419	279928901.725	ug/L	176.971
Ca	44	30750.308811	15291045.733	ug/L	74.489
Sc	45		286858.365	ug/L	
Ti	47	25.427737	34369.525	ug/L	0.419
Ti	48	30.768756	438665.458	ug/L	1.484
V	51	874.598515	15921113.697	ug/L	6.996
ClO	51		16328565.824	ug/L	
Cr	52	842.382912	12751834.745	ug/L	8.906
Cr	53	849.821661	1526747.733	ug/L	15.506
Fe	54	22669.568435	24174160.806	ug/L	140.036
Mn	55	1178.489353	26972838.708	ug/L	3.502
Fe	56	23191.232389	417964875.212	ug/L	104.843
Fe	57	22830.637715	9948651.916	ug/L	65.859
Co	59	825.263865	13558429.672	ug/L	6.871
Ni	60	789.438081	2757020.471	ug/L	9.311
Ni	62	818.758033	423506.832	ug/L	12.851
Cu	63	749.436293	5899845.310	ug/L	7.725
Zn	64	774.597076	2893518.254	ug/L	8.180
Cu	65	748.303936	2877351.767	ug/L	12.706
Zn	66	804.083345	1772345.863	ug/L	9.232
Zn	68	818.568531	1255784.817	ug/L	3.997
Ge	72		196811.612	ug/L	
As	75	983.366614	2036862.653	ug/L	10.407
ArCl	77		159095.969	ug/L	
Se	78	1004.135813	521925.478	ug/L	2.118
Br	79		260102.084	ug/L	

Br	81		307228.266	ug/L	
Se	82	937.045711	219149.499	ug/L	5.288
Y	89		485129.272	ug/L	
Mo	95	1014.928719	4899072.597	ug/L	10.317
Rh	103		404057.004	ug/L	
Ag	107	881.174186	10479596.181	ug/L	4.649
Ag	109	877.032983	9905574.995	ug/L	0.819
Cd	111	986.262539	2938631.706	ug/L	2.525
Cd	114	999.918656	6962506.660	ug/L	0.364
In	115		498946.546	ug/L	
Sb	121	1033.329396	10002518.888	ug/L	10.065
Sb	123	1028.705519	7752680.159	ug/L	12.627
Ba	137	1096.101510	5286518.961	ug/L	0.834
Ba	138	1102.586663	34195116.099	ug/L	0.240
Tb	159		548492.732	ug/L	
Ho	165		522480.148	ug/L	
Hg	200	1.041381	2075.258	ug/L	0.018
Hg	202	1.036189	2711.431	ug/L	0.006
Tl	205	973.664181	26065731.694	ug/L	3.896
Pb	208	962.173435	35574628.071	ug/L	10.838
Bi	209		383075.189	ug/L	
Se	77	932.825326	157258.093	ug/L	7.367

QC Calculated Values

Analyte	QC Std % Recovery	Int Std % Recovery
Li		
Be		
B		
B		
C		
Na		
Mg		
Mg		
Al		
Si		
P		
S		
Cl		
K		
Ca		
Sc		105.947
Ti		
Ti		
V		
ClO		
Cr		
Cr		
Fe		
Mn		
Fe		

| | Fe
| | Co
| | Ni
| | Ni
| | Cu
| | Zn
| | Cu
| | Zn
| | Zn
| > | Ge | 93.440
| | As
| | ArCl
| | Se
| | Br
| | Br
| | Se
| | Y
| | Mo
| | Rh
| | Ag
| | Ag
| | Cd
| | Cd
| > | In | 87.231
| | Sb
| | Sb
| | Ba
| | Ba
| | Tb
| > | Ho | 90.467
| | Hg
| | Hg
| | Tl
| | Pb
| | Bi
| | Se

Sample ID: 92049.08
Sample Date/Time: Tuesday, August 24, 2010 20:01:54
Autosampler Position: 54
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.08.46855

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17812.100	ug/L	
Be	9	0.007587	16.000	ug/L	0.006
B	10	73.338472	13005.760	ug/L	0.124
B	11	74.378761	66097.542	ug/L	1.586
C	12		942055.388	ug/L	
Na	23	12462.658842	138326298.545	ug/L	126.560
Mg	24	7617.588690	56441555.086	ug/L	12.805
Mg	25	7714.856599	8067456.798	ug/L	48.995
Al	27	6.919036	88356.145	ug/L	0.028
Si	28		78920331.963	ug/L	
P	31	150.896547	119908.171	ug/L	5.115
S	32		112001863.102	ug/L	
Cl	35		12171226.390	ug/L	
K	39	13813.400132	263686087.072	ug/L	81.758
Ca	44	33370.068683	20516311.844	ug/L	765.283
Sc	45		354642.915	ug/L	
Ti	47	2.889207	5170.856	ug/L	0.038
Ti	48	28.440413	501211.003	ug/L	1.395
V	51	0.152706	43582.016	ug/L	0.024
ClO	51		44664.578	ug/L	
Cr	52	0.388418	23653.054	ug/L	0.039
Cr	53	-0.598854	12224.338	ug/L	0.077
Fe	54	37877.210343	49868178.675	ug/L	1025.000
Mn	55	659.854270	18676149.921	ug/L	11.616
Fe	56	38824.192579	861638788.110	ug/L	641.770
Fe	57	38291.427349	20617683.197	ug/L	641.727
Co	59	4.464955	91157.779	ug/L	0.047
Ni	60	8.323098	36132.357	ug/L	0.131
Ni	62	7.114380	4642.231	ug/L	0.059
Cu	63	0.253048	3045.541	ug/L	0.016
Zn	64	3.109802	16215.377	ug/L	0.032
Cu	65	0.168744	976.729	ug/L	0.004
Zn	66	2.874168	8853.399	ug/L	0.034
Zn	68	3.874258	8231.476	ug/L	0.095
Ge	72		222896.969	ug/L	
As	75	218.131060	511511.365	ug/L	1.970
ArCl	77		992.064	ug/L	
Se	78	-3.311674	14324.932	ug/L	0.037
Br	79		58979.804	ug/L	

Br	81		95014.965	ug/L	
Se	82	1.523035	140.530	ug/L	0.069
Y	89		525052.859	ug/L	
Mo	95	0.411733	2316.318	ug/L	0.009
Rh	103		436882.005	ug/L	
Ag	107	0.305826	4246.036	ug/L	0.021
Ag	109	0.298807	3977.245	ug/L	0.021
Cd	111	-0.004148	63.001	ug/L	0.002
Cd	114	-0.063958	116.669	ug/L	0.001
In	115		544633.253	ug/L	
Sb	121	0.273769	3306.303	ug/L	0.028
Sb	123	0.276460	2596.957	ug/L	0.022
Ba	137	15.736462	82959.981	ug/L	0.136
Ba	138	15.737653	533355.402	ug/L	0.213
Tb	159		590157.700	ug/L	
Ho	165		559727.272	ug/L	
Hg	200	0.003017	19.000	ug/L	0.002
Hg	202	0.003999	26.334	ug/L	0.001
Tl	205	0.000029	458.350	ug/L	0.002
Pb	208	0.023030	3793.349	ug/L	0.001
Bi	209		421975.347	ug/L	
Se	77	1.005900	995.731	ug/L	0.419

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		130.982
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	105.824
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	95.218
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	96.916
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.09
Sample Date/Time: Tuesday, August 24, 2010 20:08:24
Autosampler Position: 55
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.09.46856

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19157.499	ug/L	
Be	9	0.015534	18.667	ug/L	0.002
B	10	12.192956	2022.245	ug/L	0.397
B	11	12.221671	10205.160	ug/L	0.032
C	12		803064.718	ug/L	
Na	23	8397.971565	83195300.833	ug/L	75.984
Mg	24	2326.265195	15384083.700	ug/L	16.083
Mg	25	2355.365799	2198279.090	ug/L	0.898
Al	27	5.338291	62050.653	ug/L	0.144
Si	28		41376515.100	ug/L	
P	31	27.508063	32768.962	ug/L	2.436
S	32		114799682.116	ug/L	
Cl	35		12440636.565	ug/L	
K	39	1819.990439	31931707.067	ug/L	12.725
Ca	44	9155.071831	5032179.129	ug/L	171.084
Sc	45		316514.421	ug/L	
Ti	47	1.422804	2447.354	ug/L	0.012
Ti	48	10.344920	162520.377	ug/L	0.569
V	51	0.039629	36629.389	ug/L	0.055
ClO	51		37334.236	ug/L	
Cr	52	-0.120209	12618.918	ug/L	0.003
Cr	53	-0.206813	11680.950	ug/L	0.040
Fe	54	11028.343454	13028964.704	ug/L	32.685
Mn	55	2246.992757	56741078.358	ug/L	1.701
Fe	56	11256.987712	226254058.037	ug/L	3.916
Fe	57	11176.329429	5382801.317	ug/L	52.547
Co	59	16.632195	301917.955	ug/L	0.002
Ni	60	26.563304	102537.718	ug/L	0.004
Ni	62	26.539366	15228.563	ug/L	0.004
Cu	63	0.327683	3367.324	ug/L	0.004
Zn	64	5.075168	22570.023	ug/L	0.040
Cu	65	0.278468	1337.445	ug/L	0.009
Zn	66	4.690335	12316.127	ug/L	0.016
Zn	68	5.367763	9872.123	ug/L	0.022
Ge	72		215000.973	ug/L	
As	75	19.185132	43153.426	ug/L	0.292
ArCl	77		997.065	ug/L	
Se	78	-2.162530	14451.455	ug/L	0.174
Br	79		20125.162	ug/L	

Br	81		55895.594	ug/L	
Se	82	1.038403	11.664	ug/L	0.081
Y	89		537567.165	ug/L	
Mo	95	0.186895	1048.738	ug/L	0.007
Rh	103		457804.036	ug/L	
Ag	107	0.215348	3133.572	ug/L	0.010
Ag	109	0.206152	2892.156	ug/L	0.003
Cd	111	-0.007144	54.334	ug/L	0.001
Cd	114	-0.063531	122.335	ug/L	0.001
In	115		555601.353	ug/L	
Sb	121	0.164910	2199.622	ug/L	0.011
Sb	123	0.168624	1744.343	ug/L	0.014
Ba	137	14.598510	78519.088	ug/L	0.128
Ba	138	14.729092	509267.534	ug/L	0.080
Tb	159		609863.976	ug/L	
Ho	165		578680.178	ug/L	
Hg	200	-0.000161	12.667	ug/L	0.000
Hg	202	0.001015	18.667	ug/L	0.003
Tl	205	0.004325	601.026	ug/L	0.001
Pb	208	0.054931	5228.307	ug/L	0.001
Bi	209		462808.588	ug/L	
Se	77	0.809091	962.727	ug/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		116.900
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	102.075
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	97.136
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	100.198
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.10
Sample Date/Time: Tuesday, August 24, 2010 20:14:55
Autosampler Position: 56
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.10.46857

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19746.757	ug/L	
Be	9	0.026244	24.667	ug/L	0.012
B	10	4.688879	849.715	ug/L	0.001
B	11	5.005686	4563.858	ug/L	0.008
C	12		789979.542	ug/L	
Na	23	7432.921764	73984298.766	ug/L	6.317
Mg	24	4943.008695	32841630.070	ug/L	25.689
Mg	25	4980.957137	4670507.756	ug/L	56.847
Al	27	57.441162	618970.059	ug/L	1.298
Si	28		46779919.578	ug/L	
P	31	29.184712	33933.275	ug/L	1.025
S	32		109520358.020	ug/L	
Cl	35		12052073.846	ug/L	
K	39	2300.890653	40276354.607	ug/L	17.223
Ca	44	5957.122130	3294141.175	ug/L	16.553
Sc	45		318009.202	ug/L	
Ti	47	4.097725	6431.005	ug/L	0.052
Ti	48	9.184057	144951.781	ug/L	0.605
V	51	0.275579	41552.165	ug/L	0.018
ClO	51		42335.791	ug/L	
Cr	52	0.005184	14781.304	ug/L	0.038
Cr	53	0.316415	12770.759	ug/L	0.092
Fe	54	4978.683879	5966101.231	ug/L	18.782
Mn	55	287.402768	7296489.448	ug/L	0.559
Fe	56	5086.807443	105286808.203	ug/L	5.956
Fe	57	5031.499330	2444456.981	ug/L	11.319
Co	59	0.559661	10607.291	ug/L	0.007
Ni	60	0.732218	3014.196	ug/L	0.008
Ni	62	0.601538	428.681	ug/L	0.004
Cu	63	0.269584	2876.150	ug/L	0.006
Zn	64	6.173359	27221.847	ug/L	0.006
Cu	65	0.222103	1103.411	ug/L	0.006
Zn	66	5.915983	15368.133	ug/L	0.041
Zn	68	6.491858	11829.477	ug/L	0.059
Ge	72		210749.529	ug/L	
As	75	1.631501	3367.040	ug/L	0.074
ArCl	77		1071.407	ug/L	
Se	78	-2.020590	14243.397	ug/L	0.213
Br	79		11682.961	ug/L	

Br	81		46425.036	ug/L	
Se	82	0.962727	-7.687	ug/L	0.019
Y	89		528881.584	ug/L	
Mo	95	0.156071	868.383	ug/L	0.001
Rh	103		456317.518	ug/L	
Ag	107	0.171437	2550.384	ug/L	0.010
Ag	109	0.167270	2401.675	ug/L	0.002
Cd	111	-0.008038	51.334	ug/L	0.000
Cd	114	-0.061112	141.003	ug/L	0.002
In	115		555251.577	ug/L	
Sb	121	0.137328	1901.218	ug/L	0.011
Sb	123	0.130958	1427.448	ug/L	0.008
Ba	137	12.305589	66163.555	ug/L	0.018
Ba	138	12.381325	427920.576	ug/L	0.033
Tb	159		605997.551	ug/L	
Ho	165		583592.115	ug/L	
Hg	200	0.000411	14.000	ug/L	0.002
Hg	202	0.001527	20.334	ug/L	0.002
Tl	205	0.000507	492.018	ug/L	0.000
Pb	208	0.071576	5959.498	ug/L	0.001
Bi	209		461469.727	ug/L	
Se	77	1.463132	1072.407	ug/L	0.053

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		117.452
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
> Ge 100.057
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
> In 97.074
| Sb
| Sb
| Ba
└ Ba
┌ Tb
> Ho 101.048
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 92049.11
Sample Date/Time: Tuesday, August 24, 2010 20:21:27
Autosampler Position: 57
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.11.46858

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18824.807	ug/L	
Be	9	0.048450	36.667	ug/L	0.005
B	10	6.110199	1065.740	ug/L	0.186
B	11	6.328427	5565.759	ug/L	0.105
C	12		791292.958	ug/L	
Na	23	17673.165682	174585243.163	ug/L	103.690
Mg	24	5325.523319	35124075.392	ug/L	100.864
Mg	25	5254.437157	4890836.851	ug/L	80.974
Al	27	787.334638	8354798.763	ug/L	4.747
Si	28		47567460.312	ug/L	
P	31	29.114424	33642.162	ug/L	0.737
S	32		118247949.501	ug/L	
Cl	35		12308941.647	ug/L	
K	39	3807.179346	65458328.171	ug/L	0.141
Ca	44	7028.508387	3855835.506	ug/L	15.598
Sc	45		315676.658	ug/L	
Ti	47	37.471926	55576.972	ug/L	1.024
Ti	48	44.055571	691488.122	ug/L	0.007
V	51	1.498632	65699.203	ug/L	0.007
ClO	51		66888.845	ug/L	
Cr	52	1.382254	37589.311	ug/L	0.019
Cr	53	2.134023	16245.335	ug/L	0.180
Fe	54	1275.091693	1592769.613	ug/L	6.271
Mn	55	192.556221	4854503.830	ug/L	0.571
Fe	56	1165.256040	27522147.595	ug/L	15.176
Fe	57	1214.336722	598970.812	ug/L	3.862
Co	59	0.690226	12889.927	ug/L	0.003
Ni	60	1.306211	5197.871	ug/L	0.038
Ni	62	1.684724	1042.070	ug/L	0.042
Cu	63	1.818900	16276.388	ug/L	0.028
Zn	64	7.407024	32090.959	ug/L	0.037
Cu	65	1.679800	7263.640	ug/L	0.000
Zn	66	6.494949	16659.083	ug/L	0.006
Zn	68	7.039632	12666.945	ug/L	0.055
Ge	72		201428.431	ug/L	
As	75	0.364900	532.945	ug/L	0.014
ArCl	77		1169.754	ug/L	
Se	78	-0.939818	14172.517	ug/L	0.078
Br	79		11657.932	ug/L	

Br	81		46531.250	ug/L	
Se	82	0.933618	-14.383	ug/L	0.142
Y	89		533246.010	ug/L	
Mo	95	3.201615	15875.342	ug/L	0.008
Rh	103		436676.910	ug/L	
Ag	107	0.173936	2505.370	ug/L	0.000
Ag	109	0.175757	2433.017	ug/L	0.006
Cd	111	0.003128	85.668	ug/L	0.001
Cd	114	-0.046843	244.006	ug/L	0.001
In	115		538471.199	ug/L	
Sb	121	0.204173	2542.715	ug/L	0.010
Sb	123	0.202457	1965.639	ug/L	0.003
Ba	137	13.338471	69535.954	ug/L	0.123
Ba	138	13.410173	449374.464	ug/L	0.224
Tb	159		592039.487	ug/L	
Ho	165		564656.088	ug/L	
Hg	200	0.143470	320.009	ug/L	0.011
Hg	202	0.097187	288.674	ug/L	0.006
Tl	205	0.014401	878.051	ug/L	0.001
Pb	208	0.668829	29629.278	ug/L	0.004
Bi	209		441318.755	ug/L	
Se	77	1.884585	1143.083	ug/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		116.590
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

95.632

94.141

97.770

Sample ID: 92049.12
Sample Date/Time: Tuesday, August 24, 2010 20:56:11
Autosampler Position: 58
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.12.46863

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19629.178	ug/L	
Be	9	0.001041	10.000	ug/L	0.002
B	10	4.733123	796.710	ug/L	0.009
B	11	5.134543	4338.745	ug/L	0.097
C	12		829320.201	ug/L	
Na	23	6733.062234	62329905.883	ug/L	75.039
Mg	24	2863.104209	17691543.234	ug/L	15.598
Mg	25	2876.186216	2508243.381	ug/L	44.302
Al	27	9.900878	103307.299	ug/L	0.072
Si	28		35220571.699	ug/L	
P	31	10.893980	21273.734	ug/L	3.151
S	32		111273450.030	ug/L	
Cl	35		12741725.191	ug/L	
K	39	1909.001225	31246467.055	ug/L	5.848
Ca	44	4672.352375	2405350.645	ug/L	33.239
Sc	45		295747.000	ug/L	
Ti	47	1.556193	2471.027	ug/L	0.043
Ti	48	5.892850	86377.408	ug/L	0.020
V	51	0.503837	42917.502	ug/L	0.033
ClO	51		44370.815	ug/L	
Cr	52	-0.036452	13097.030	ug/L	0.005
Cr	53	1.275823	13640.697	ug/L	0.130
Fe	54	18.945398	116447.989	ug/L	1.150
Mn	55	4.469806	110512.432	ug/L	0.013
Fe	56	2.572712	4398187.005	ug/L	0.997
Fe	57	38.114875	33568.547	ug/L	0.457
Co	59	0.028859	873.717	ug/L	0.001
Ni	60	0.498825	1962.898	ug/L	0.016
Ni	62	0.495922	342.343	ug/L	0.017
Cu	63	0.241390	2446.020	ug/L	0.006
Zn	64	5.438807	22488.865	ug/L	0.050
Cu	65	0.195249	919.722	ug/L	0.006
Zn	66	5.312199	12920.638	ug/L	0.020
Zn	68	5.631524	9641.206	ug/L	0.093
Ge	72		203711.981	ug/L	
As	75	-0.034171	-316.819	ug/L	0.014
ArCl	77		1198.091	ug/L	
Se	78	0.036602	14843.018	ug/L	0.299
Br	79		5947.007	ug/L	

Br	81		41481.860	ug/L	
Se	82	0.858078	-33.024	ug/L	0.147
Y	89		518861.060	ug/L	
Mo	95	0.179253	955.393	ug/L	0.006
Rh	103		447750.013	ug/L	
Ag	107	0.284661	3973.577	ug/L	0.025
Ag	109	0.286998	3834.181	ug/L	0.020
Cd	111	-0.011643	38.667	ug/L	0.000
Cd	114	-0.067289	91.335	ug/L	0.003
In	115		545158.858	ug/L	
Sb	121	0.085501	1318.776	ug/L	0.004
Sb	123	0.086052	1032.015	ug/L	0.006
Ba	137	5.722819	30270.616	ug/L	0.056
Ba	138	5.763489	195882.368	ug/L	0.065
Tb	159		595970.808	ug/L	
Ho	165		564648.877	ug/L	
Hg	200	0.003995	21.334	ug/L	0.003
Hg	202	0.003198	24.334	ug/L	0.001
Tl	205	0.002635	537.688	ug/L	0.000
Pb	208	0.004324	3078.568	ug/L	0.002
Bi	209		453466.699	ug/L	
Se	77	1.918381	1148.751	ug/L	0.202

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		109.230
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 96.716
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 95.310
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 97.768
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 92049.13
Sample Date/Time: Tuesday, August 24, 2010 21:02:44
Autosampler Position: 59
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.13.46864

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18278.357	ug/L	
Be	9	0.008890	14.667	ug/L	0.002
B	10	297.177295	45606.912	ug/L	4.202
B	11	304.676837	234112.701	ug/L	3.901
C	12		1053593.376	ug/L	
Na	23	S	S	ug/L	S
Mg	24	21694.014421	140102569.757	ug/L	312.800
Mg	25	21652.842433	19734907.241	ug/L	278.615
Al	27	8.476352	93184.646	ug/L	0.279
Si	28		51373907.191	ug/L	
P	31	121.338874	87131.164	ug/L	5.359
S	32		107675935.931	ug/L	
Cl	35		15298183.353	ug/L	
K	39	22704.595064	377094502.952	ug/L	432.362
Ca	44	41665.292313	22321992.198	ug/L	365.464
Sc	45		309121.044	ug/L	
Ti	47	2.324576	3691.786	ug/L	0.019
Ti	48	34.136458	524596.557	ug/L	0.687
V	51	0.388367	42598.670	ug/L	0.023
ClO	51		43341.169	ug/L	
Cr	52	0.054187	15166.292	ug/L	0.001
Cr	53	0.701019	13152.974	ug/L	0.095
Fe	54	9432.909232	10898324.014	ug/L	139.976
Mn	55	100.840011	2491972.319	ug/L	1.243
Fe	56	9515.743173	187492781.066	ug/L	43.462
Fe	57	9507.126764	4474429.720	ug/L	165.127
Co	59	0.391603	7335.365	ug/L	0.007
Ni	60	7.791663	29497.408	ug/L	0.077
Ni	62	6.655560	3790.828	ug/L	0.179
Cu	63	1.439755	12722.357	ug/L	0.011
Zn	64	5.849339	25157.317	ug/L	0.039
Cu	65	0.242987	1159.086	ug/L	0.009
Zn	66	5.605295	14200.892	ug/L	0.061
Zn	68	8.313046	14508.047	ug/L	0.111
Ge	72		189122.969	ug/L	
As	75	54.869524	108994.481	ug/L	0.791
ArCl	77		1253.432	ug/L	
Se	78	0.645923	14076.694	ug/L	0.333
Br	79		327025.075	ug/L	

Br	81		383398.985	ug/L	
Se	82	5.254293	958.646	ug/L	0.188
Y	89		494322.464	ug/L	
Mo	95	2.420369	11281.775	ug/L	0.001
Rh	103		402430.418	ug/L	
Ag	107	0.172025	2295.980	ug/L	0.009
Ag	109	0.167566	2158.945	ug/L	0.007
Cd	111	-0.000217	69.334	ug/L	0.002
Cd	114	-0.052901	183.670	ug/L	0.001
In	115		498430.209	ug/L	
Sb	121	0.144694	1777.525	ug/L	0.010
Sb	123	0.142355	1366.808	ug/L	0.013
Ba	137	116.090166	559407.184	ug/L	0.780
Ba	138	111.655448	3459587.007	ug/L	1.356
Tb	159		555131.329	ug/L	
Ho	165		526995.221	ug/L	
Hg	200	0.023418	58.667	ug/L	0.004
Hg	202	0.015757	55.667	ug/L	0.002
Tl	205	-0.005408	284.674	ug/L	0.000
Pb	208	0.073110	5439.028	ug/L	0.001
Bi	209		378742.049	ug/L	
Se	77	2.387550	1227.428	ug/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		114.169
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	89.789
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.140
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	91.249
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.14
Sample Date/Time: Tuesday, August 24, 2010 21:09:17
Autosampler Position: 60
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.14.46865

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17838.825	ug/L	
Be	9	0.029352	23.667	ug/L	0.012
B	10	54.062847	7729.028	ug/L	0.369
B	11	57.501781	41176.483	ug/L	1.000
C	12		1151507.958	ug/L	
Na	23	S	S	ug/L	S
Mg	24	3603.034508	21449389.843	ug/L	50.131
Mg	25	3611.317723	3034071.071	ug/L	43.142
Al	27	5.946348	61674.662	ug/L	0.027
Si	28		30388134.253	ug/L	
P	31	42.932326	37852.470	ug/L	1.969
S	32		109954732.788	ug/L	
Cl	35		18137167.428	ug/L	
K	39	6226.193538	96017167.617	ug/L	116.137
Ca	44	5922.430120	2934390.024	ug/L	60.013
Sc	45		284920.128	ug/L	
Ti	47	1.453434	2243.299	ug/L	0.087
Ti	48	6.468528	91371.542	ug/L	0.047
V	51	0.813942	46946.415	ug/L	0.047
ClO	51		48071.289	ug/L	
Cr	52	0.104832	14739.832	ug/L	0.003
Cr	53	2.484655	15284.663	ug/L	0.172
Fe	54	241.913440	347434.897	ug/L	1.857
Mn	55	69.504331	1584700.581	ug/L	0.580
Fe	56	216.371183	8026382.346	ug/L	8.803
Fe	57	247.748806	122927.772	ug/L	0.118
Co	59	0.161009	2998.525	ug/L	0.005
Ni	60	5.899384	20624.242	ug/L	0.001
Ni	62	5.919299	3116.232	ug/L	0.188
Cu	63	3.558442	28292.576	ug/L	0.013
Zn	64	3.097772	12984.504	ug/L	0.063
Cu	65	0.080722	448.682	ug/L	0.004
Zn	66	3.068320	7537.199	ug/L	0.005
Zn	68	4.237474	7164.894	ug/L	0.086
Ge	72		185950.515	ug/L	
As	75	2.935301	5522.798	ug/L	0.037
ArCl	77		1399.122	ug/L	
Se	78	1.544025	14269.915	ug/L	0.798
Br	79		767789.004	ug/L	

Br	81		856190.106	ug/L	
Se	82	10.760209	2160.398	ug/L	0.059
Y	89		497222.386	ug/L	
Mo	95	0.226283	1086.409	ug/L	0.001
Rh	103		402073.616	ug/L	
Ag	107	0.153619	2063.590	ug/L	0.022
Ag	109	0.146498	1908.554	ug/L	0.017
Cd	111	-0.009534	41.334	ug/L	0.004
Cd	114	-0.062709	114.669	ug/L	0.003
In	115		495130.055	ug/L	
Sb	121	0.089115	1232.096	ug/L	0.012
Sb	123	0.083737	919.626	ug/L	0.012
Ba	137	41.802629	200169.528	ug/L	0.607
Ba	138	41.866859	1289018.175	ug/L	0.239
Tb	159		549240.329	ug/L	
Ho	165		525119.260	ug/L	
Hg	200	0.031709	75.001	ug/L	0.011
Hg	202	0.021441	70.334	ug/L	0.001
Tl	205	-0.003571	333.009	ug/L	0.002
Pb	208	0.000811	2733.188	ug/L	0.000
Bi	209		373630.060	ug/L	
Se	77	3.435243	1403.122	ug/L	0.346

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		105.231
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

88.283

86.563

90.924

Sample ID: 92049.15
Sample Date/Time: Tuesday, August 24, 2010 21:15:51
Autosampler Position: 61
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.15.46866

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19118.750	ug/L	
Be	9	0.087819	61.334	ug/L	0.009
B	10	15.160438	2613.068	ug/L	0.069
B	11	15.844337	13708.131	ug/L	0.005
C	12		793417.859	ug/L	
Na	23	11835.667989	123170899.787	ug/L	78.666
Mg	24	3744.684410	26016279.127	ug/L	19.924
Mg	25	3793.812460	3719732.130	ug/L	4.538
Al	27	2504.125870	27977618.127	ug/L	18.504
Si	28		51638608.382	ug/L	
P	31	85.748780	71228.400	ug/L	2.173
S	32		115338752.340	ug/L	
Cl	35		12620458.361	ug/L	
K	39	2311.702195	42305811.090	ug/L	19.394
Ca	44	19626.504260	11318293.837	ug/L	174.245
Sc	45		332524.428	ug/L	
Ti	47	133.519180	207682.363	ug/L	0.639
Ti	48	141.503955	2340323.754	ug/L	0.441
V	51	6.424333	172938.173	ug/L	0.005
ClO	51		176415.044	ug/L	
Cr	52	6.457967	128572.242	ug/L	0.031
Cr	53	6.245117	25612.619	ug/L	0.015
Fe	54	4169.347888	5241944.512	ug/L	29.734
Mn	55	212.125578	5632729.933	ug/L	0.455
Fe	56	4143.274310	90580173.377	ug/L	10.824
Fe	57	4224.920344	2149292.009	ug/L	21.735
Co	59	1.842953	35531.324	ug/L	0.001
Ni	60	5.136154	20980.727	ug/L	0.027
Ni	62	5.446481	3352.652	ug/L	0.134
Cu	63	4.140970	38334.706	ug/L	0.007
Zn	64	13.275800	59205.379	ug/L	0.041
Cu	65	4.125940	18554.434	ug/L	0.019
Zn	66	12.077329	31805.861	ug/L	0.021
Zn	68	12.317530	22722.923	ug/L	0.140
Ge	72		202246.290	ug/L	
As	75	6.688351	13995.945	ug/L	0.021
ArCl	77		1095.744	ug/L	
Se	78	0.165240	14804.064	ug/L	0.025
Br	79		69051.987	ug/L	

Br	81		109378.943	ug/L	
Se	82	1.774382	187.921	ug/L	0.090
Y	89		570351.383	ug/L	
Mo	95	0.882420	4436.126	ug/L	0.004
Rh	103		436939.302	ug/L	
Ag	107	0.147622	2158.612	ug/L	0.008
Ag	109	0.154438	2163.613	ug/L	0.009
Cd	111	0.029791	170.670	ug/L	0.002
Cd	114	-0.022450	425.348	ug/L	0.003
In	115		536157.895	ug/L	
Sb	121	0.094012	1385.453	ug/L	0.006
Sb	123	0.094762	1085.313	ug/L	0.003
Ba	137	17.198802	89248.517	ug/L	0.035
Ba	138	17.196401	573673.766	ug/L	0.011
Tb	159		577880.221	ug/L	
Ho	165		547042.926	ug/L	
Hg	200	0.014795	43.001	ug/L	0.001
Hg	202	0.006651	33.000	ug/L	0.003
Tl	205	0.050177	1853.207	ug/L	0.002
Pb	208	1.592824	64471.423	ug/L	0.004
Bi	209		424133.736	ug/L	
Se	77	1.151020	1020.067	ug/L	0.101

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		122.813
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	96.020
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	93.736
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	94.720
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.16
Sample Date/Time: Tuesday, August 24, 2010 21:22:25
Autosampler Position: 62
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.16.46867

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17662.477	ug/L	
Be	9	0.012525	16.000	ug/L	0.005
B	10	218.549499	32289.568	ug/L	0.100
B	11	235.723633	174360.071	ug/L	0.439
C	12		1281750.410	ug/L	
Na	23	S	S	ug/L	S
Mg	24	24371.675971	151394878.052	ug/L	80.745
Mg	25	24272.801315	21279074.290	ug/L	146.084
Al	27	7.192861	76820.992	ug/L	0.127
Si	28		46132386.086	ug/L	
P	31	46.007293	41234.083	ug/L	0.605
S	32		108243964.473	ug/L	
Cl	35		17036377.092	ug/L	
K	39	6453.516562	103815055.704	ug/L	25.073
Ca	44	64086.643132	33018821.479	ug/L	219.840
Sc	45		297342.080	ug/L	
Ti	47	2.094551	3231.940	ug/L	0.025
Ti	48	51.233960	757554.553	ug/L	0.571
V	51	0.601430	44984.472	ug/L	0.029
ClO	51		46253.832	ug/L	
Cr	52	0.065851	14770.868	ug/L	0.004
Cr	53	1.418117	13977.210	ug/L	0.047
Fe	54	4834.810961	5420128.805	ug/L	25.929
Mn	55	458.459912	10880382.317	ug/L	4.220
Fe	56	4884.242370	94698676.746	ug/L	2.824
Fe	57	5141.757446	2335352.814	ug/L	15.331
Co	59	0.140687	2782.454	ug/L	0.004
Ni	60	10.737999	39039.374	ug/L	0.010
Ni	62	8.924666	4862.015	ug/L	0.271
Cu	63	1.980281	16646.727	ug/L	0.030
Zn	64	3.392127	14686.413	ug/L	0.107
Cu	65	0.212527	993.731	ug/L	0.009
Zn	66	2.881084	7437.782	ug/L	0.035
Zn	68	4.462235	7834.786	ug/L	0.028
Ge	72		179855.052	ug/L	
As	75	15.187500	28536.256	ug/L	0.137
ArCl	77		1445.129	ug/L	
Se	78	1.571446	13814.200	ug/L	0.495
Br	79		721049.923	ug/L	

Br	81		800404.071	ug/L	
Se	82	11.031328	2147.710	ug/L	0.277
Y	89		486148.225	ug/L	
Mo	95	2.252603	9989.253	ug/L	0.039
Rh	103		390771.662	ug/L	
Ag	107	0.112847	1557.483	ug/L	0.012
Ag	109	0.104883	1419.125	ug/L	0.000
Cd	111	-0.002549	61.001	ug/L	0.000
Cd	114	-0.047094	219.005	ug/L	0.001
In	115		487140.664	ug/L	
Sb	121	0.102049	1334.778	ug/L	0.012
Sb	123	0.098934	1016.801	ug/L	0.006
Ba	137	60.141761	283297.908	ug/L	0.150
Ba	138	59.430186	1800035.106	ug/L	0.043
Tb	159		540703.923	ug/L	
Ho	165		516360.945	ug/L	
Hg	200	0.020278	51.334	ug/L	0.001
Hg	202	0.014381	51.001	ug/L	0.002
Tl	205	-0.002660	351.677	ug/L	0.002
Pb	208	0.003655	2791.528	ug/L	0.001
Bi	209		367833.323	ug/L	
Se	77	3.401446	1397.455	ug/L	0.219

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		109.819
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	85.389
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.167
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	89.407
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.17
Sample Date/Time: Tuesday, August 24, 2010 21:28:59
Autosampler Position: 63
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.17.46868

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		35194.668	ug/L	
Be	9	0.057486	38.334	ug/L	0.022
B	10	258.447870	37451.025	ug/L	5.350
B	11	272.614366	197811.202	ug/L	2.561
C	12		1217206.368	ug/L	
Na	23	S	S	ug/L	S
Mg	24	21811.687211	132959435.272	ug/L	441.723
Mg	25	21888.650986	18833736.183	ug/L	160.559
Al	27	6.392110	67516.520	ug/L	0.223
Si	28		36563766.172	ug/L	
P	31	464.701382	272714.268	ug/L	3.869
S	32		111420469.182	ug/L	
Cl	35		15157350.420	ug/L	
K	39	21988.156185	344752129.396	ug/L	374.280
Ca	44	34253.339016	17327169.460	ug/L	148.913
Sc	45		291855.059	ug/L	
Ti	47	2.714025	4015.927	ug/L	0.022
Ti	48	28.770197	417083.181	ug/L	1.588
V	51	0.373280	39933.924	ug/L	0.027
ClO	51		41118.524	ug/L	
Cr	52	0.072263	14595.038	ug/L	0.011
Cr	53	1.108979	13155.310	ug/L	0.143
Fe	54	12907.390064	14043224.321	ug/L	115.414
Mn	55	2879.793454	67043239.026	ug/L	33.385
Fe	56	13152.937984	242970178.178	ug/L	299.920
Fe	57	13144.425855	5833639.308	ug/L	155.196
Co	59	3.519512	59191.666	ug/L	0.085
Ni	60	11.612646	41411.184	ug/L	0.329
Ni	62	10.751676	5732.531	ug/L	0.286
Cu	63	1.432388	11950.303	ug/L	0.023
Zn	64	4.670117	19264.455	ug/L	0.162
Cu	65	0.346245	1498.138	ug/L	0.004
Zn	66	4.481267	10886.958	ug/L	0.036
Zn	68	8.834604	14507.044	ug/L	0.208
Ge	72		192937.886	ug/L	
As	75	15.936116	32131.532	ug/L	0.061
ArCl	77		1188.090	ug/L	
Se	78	-0.903612	13593.228	ug/L	0.342
Br	79		582878.748	ug/L	

Br	81		654024.212	ug/L	
Se	82	8.324407	1682.515	ug/L	0.087
Y	89		497068.582	ug/L	
Mo	95	28.830422	136479.574	ug/L	0.215
Rh	103		409456.646	ug/L	
Ag	107	0.096493	1440.795	ug/L	0.006
Ag	109	0.095028	1380.785	ug/L	0.002
Cd	111	0.089259	345.677	ug/L	0.002
Cd	114	0.005629	608.360	ug/L	0.000
In	115		513271.866	ug/L	
Sb	121	0.152233	1905.885	ug/L	0.000
Sb	123	0.148214	1453.308	ug/L	0.001
Ba	137	175.516022	870906.847	ug/L	1.245
Ba	138	168.701007	5382761.529	ug/L	1.378
Tb	159		565475.209	ug/L	
Ho	165		540982.023	ug/L	
Hg	200	0.076114	168.337	ug/L	0.000
Hg	202	0.058485	172.337	ug/L	0.008
Tl	205	0.062878	2184.951	ug/L	0.001
Pb	208	0.043339	4443.795	ug/L	0.001
Bi	209		389979.694	ug/L	
Se	77	2.232485	1201.425	ug/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		107.792
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 91.601
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 89.735
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 93.670
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 92049.17 MS
Sample Date/Time: Tuesday, August 24, 2010 21:35:35
Autosampler Position: 64
Sample Description: AqTot pre
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.17 MS.46869

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		35226.792	ug/L	
Be	9	841.826951	417218.262	ug/L	1.678
B	10	256.279175	36322.783	ug/L	2.781
B	11	268.046248	190220.891	ug/L	1.154
C	12		2449982.031	ug/L	
Na	23	S	S	ug/L	S
Mg	24	31390.857422	187162515.085	ug/L	136.531
Mg	25	31456.869005	26468791.510	ug/L	227.567
Al	27	9910.284813	95011781.752	ug/L	112.533
Si	28		35566214.576	ug/L	
P	31	9419.277170	5124045.723	ug/L	62.354
S	32		111883802.267	ug/L	
Cl	35		17958205.681	ug/L	
K	39	32168.296122	492866638.736	ug/L	81.515
Ca	44	44652.183489	22084186.884	ug/L	364.744
Sc	45		285400.678	ug/L	
Ti	47	25.402733	34162.414	ug/L	0.141
Ti	48	38.399056	545184.312	ug/L	2.646
V	51	844.559610	15298756.333	ug/L	6.050
ClO	51		15689656.445	ug/L	
Cr	52	812.773830	12242281.177	ug/L	1.139
Cr	53	829.055154	1482181.550	ug/L	4.895
Fe	54	22758.256538	24146507.552	ug/L	87.591
Mn	55	3793.626679	86381499.637	ug/L	26.760
Fe	56	23293.400698	417671657.141	ug/L	58.362
Fe	57	23013.918670	9978138.369	ug/L	155.745
Co	59	797.006443	13028092.324	ug/L	0.322
Ni	60	765.358307	2659355.700	ug/L	4.355
Ni	62	799.888457	411602.716	ug/L	16.160
Cu	63	724.348927	5672983.601	ug/L	9.823
Zn	64	749.098192	2784040.767	ug/L	5.817
Cu	65	723.220465	2766800.025	ug/L	5.566
Zn	66	774.162733	1697665.944	ug/L	9.287
Zn	68	789.214249	1204532.288	ug/L	9.024
Ge	72		196946.499	ug/L	
As	75	960.829728	1991520.692	ug/L	3.243
ArCl	77		154739.702	ug/L	
Se	78	971.271109	505652.050	ug/L	6.583
Br	79		545661.897	ug/L	

Br	81		605497.902	ug/L	
Se	82	911.549881	213326.686	ug/L	3.968
Y	89		486362.457	ug/L	
Mo	95	1014.017104	4898018.074	ug/L	6.510
Rh	103		409326.211	ug/L	
Ag	107	52.193298	628516.216	ug/L	0.990
Ag	109	60.852894	695620.429	ug/L	8.697
Cd	111	942.774043	2843131.923	ug/L	2.531
Cd	114	948.803162	6686802.054	ug/L	3.437
In	115		504998.068	ug/L	
Sb	121	1010.145083	9896527.721	ug/L	1.727
Sb	123	1003.270043	7652440.610	ug/L	2.376
Ba	137	1164.906664	5686516.478	ug/L	0.222
Ba	138	1169.210097	36701140.335	ug/L	0.138
Tb	159		554709.719	ug/L	
Ho	165		530689.193	ug/L	
Hg	200	1.037538	2099.930	ug/L	0.043
Hg	202	1.010376	2685.757	ug/L	0.007
Tl	205	935.085775	25425765.931	ug/L	11.043
Pb	208	914.821898	34355110.035	ug/L	8.405
Bi	209		385679.060	ug/L	
Se	77	902.398568	152155.648	ug/L	8.083

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		105.408
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge 93.504
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In 88.289
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho 91.888
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

Sample ID: 92049.17 MSD
Sample Date/Time: Tuesday, August 24, 2010 21:42:10
Autosampler Position: 65
Sample Description: AqTot pre
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.17 MSD.46870

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		34015.519	ug/L	
Be	9	880.285983	415534.378	ug/L	11.051
B	10	260.560082	35179.300	ug/L	0.961
B	11	272.642593	184283.971	ug/L	2.265
C	12		2268531.522	ug/L	
Na	23	S	S	ug/L	S
Mg	24	32333.781970	183624924.699	ug/L	335.965
Mg	25	32195.169592	25804655.748	ug/L	164.824
Al	27	10358.700884	94597330.836	ug/L	115.071
Si	28		34408967.220	ug/L	
P	31	9759.878989	5056494.760	ug/L	143.455
S	32		110282184.535	ug/L	
Cl	35		17507074.438	ug/L	
K	39	32742.945649	477836722.781	ug/L	129.880
Ca	44	45483.798042	21428755.347	ug/L	60.273
Sc	45		271853.361	ug/L	
Ti	47	25.454169	32605.695	ug/L	0.189
Ti	48	36.395297	491878.026	ug/L	0.197
V	51	865.092272	14923837.608	ug/L	9.614
ClO	51		15352526.031	ug/L	
Cr	52	832.000352	11934913.656	ug/L	14.362
Cr	53	843.185550	1435497.875	ug/L	20.979
Fe	54	22803.592323	23040317.159	ug/L	601.371
Mn	55	3773.508314	81826685.413	ug/L	75.205
Fe	56	23350.203506	398738915.984	ug/L	429.817
Fe	57	23142.179494	9555627.974	ug/L	360.344
Co	59	819.115440	12752011.226	ug/L	15.475
Ni	60	788.250379	2608709.714	ug/L	11.297
Ni	62	816.345592	400156.868	ug/L	10.764
Cu	63	743.376719	5545862.156	ug/L	7.015
Zn	64	771.488462	2731059.132	ug/L	8.167
Cu	65	745.818134	2717686.765	ug/L	10.293
Zn	66	798.818803	1668489.675	ug/L	14.299
Zn	68	817.639264	1188622.974	ug/L	12.744
Ge	72		188741.842	ug/L	
As	75	983.983666	1954476.596	ug/L	16.023
ArCl	77		151669.666	ug/L	
Se	78	989.197495	493277.080	ug/L	8.683
Br	79		523058.817	ug/L	

Br	81		582503.552	ug/L	
Se	82	923.645304	207149.147	ug/L	9.418
Y	89		458790.782	ug/L	
Mo	95	1033.429511	4783647.853	ug/L	12.409
Rh	103		385098.116	ug/L	
Ag	107	52.938903	608920.554	ug/L	0.842
Ag	109	54.475283	595103.361	ug/L	2.939
Cd	111	979.204943	2820789.183	ug/L	8.099
Cd	114	989.080278	6658537.320	ug/L	3.616
In	115		482391.814	ug/L	
Sb	121	1055.515702	9878052.952	ug/L	0.491
Sb	123	1044.891257	7613181.904	ug/L	6.522
Ba	137	1201.498282	5602583.955	ug/L	3.207
Ba	138	1204.875007	36127599.703	ug/L	2.430
Tb	159		532697.589	ug/L	
Ho	165		509350.935	ug/L	
Hg	200	1.033516	2007.909	ug/L	0.023
Hg	202	1.029145	2625.405	ug/L	0.026
Tl	205	977.283482	25505333.505	ug/L	6.925
Pb	208	956.625507	34481094.793	ug/L	6.101
Bi	209		370242.958	ug/L	
Se	77	886.221908	149442.887	ug/L	11.159

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		100.405
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 89.608
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 84.336
Sb
Sb
Ba
Ba
Tb
> Ho 88.194
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.17 MS
Sample Date/Time: Tuesday, August 24, 2010 21:55:23
Autosampler Position: 67
Sample Description: AqTot post
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.17 MS.46872

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		32307.975	ug/L	
Be	9	872.230386	400063.532	ug/L	4.771
B	10	245.911005	32262.808	ug/L	1.448
B	11	261.287076	171627.135	ug/L	2.080
C	12		1813690.418	ug/L	
Na	23	S	S	ug/L	S
Mg	24	31525.625075	173971500.086	ug/L	488.963
Mg	25	31360.161264	24422924.381	ug/L	307.851
Al	27	10269.094966	91124668.427	ug/L	81.197
Si	28		32551683.657	ug/L	
P	31	9768.284187	4917668.737	ug/L	41.860
S	32		109168403.081	ug/L	
Cl	35		16219080.223	ug/L	
K	39	31535.123387	447194317.480	ug/L	314.923
Ca	44	43522.578235	19924003.495	ug/L	801.897
Sc	45		264127.466	ug/L	
Ti	47	25.158302	31315.490	ug/L	0.126
Ti	48	36.619681	480877.907	ug/L	0.207
V	51	861.930988	14448472.311	ug/L	5.769
ClO	51		14886137.901	ug/L	
Cr	52	827.162031	11529900.795	ug/L	1.531
Cr	53	836.332700	1383682.741	ug/L	7.244
Fe	54	21915.604085	21522151.183	ug/L	125.949
Mn	55	3597.534845	75808153.188	ug/L	26.281
Fe	56	22449.347179	372674788.523	ug/L	158.962
Fe	57	22137.237041	8883019.238	ug/L	252.793
Co	59	806.464796	12200584.409	ug/L	8.533
Ni	60	778.589999	2503886.223	ug/L	7.449
Ni	62	803.294417	382613.385	ug/L	1.458
Cu	63	736.193515	5336637.692	ug/L	1.578
Zn	64	758.234300	2608123.977	ug/L	1.565
Cu	65	734.758147	2601568.794	ug/L	1.515
Zn	66	783.915043	1590971.948	ug/L	13.886
Zn	68	798.428485	1127784.335	ug/L	16.525
Ge	72		182927.453	ug/L	
As	75	977.308974	1881468.655	ug/L	1.315
ArCl	77		144918.738	ug/L	
Se	78	980.356066	473931.567	ug/L	3.140
Br	79		510388.666	ug/L	

Br	81		570291.765	ug/L	
Se	82	925.207587	201111.742	ug/L	0.419
Y	89		453993.571	ug/L	
Mo	95	1035.405425	4645097.368	ug/L	16.115
Rh	103		386510.790	ug/L	
Ag	107	793.409520	9068248.491	ug/L	3.849
Ag	109	802.489004	8710704.613	ug/L	12.196
Cd	111	955.673307	2736584.707	ug/L	6.545
Cd	114	959.942323	6423857.070	ug/L	4.667
In	115		479514.772	ug/L	
Sb	121	1008.682781	9383524.460	ug/L	13.261
Sb	123	1004.269815	7273609.832	ug/L	16.498
Ba	137	1171.202914	5428742.505	ug/L	0.645
Ba	138	1173.960463	34990699.857	ug/L	0.365
Tb	159		529526.855	ug/L	
Ho	165		505885.268	ug/L	
Hg	200	1.069120	2062.588	ug/L	0.022
Hg	202	1.046417	2651.080	ug/L	0.007
Tl	205	953.687773	24720255.644	ug/L	4.235
Pb	208	936.848998	33538770.630	ug/L	6.813
Bi	209		370277.491	ug/L	
Se	77	852.856448	143847.634	ug/L	9.792

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌜	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
>	Sc		97.552
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge 86.848
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In 83.833
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho 87.593
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

Sample ID: 92049.17 MSD
Sample Date/Time: Tuesday, August 24, 2010 22:30:12
Autosampler Position: 68
Sample Description: AqTot post
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.17 MSD.46877

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		31486.462	ug/L	
Be	9	860.258489	391756.545	ug/L	1.397
B	10	243.846574	31762.043	ug/L	1.330
B	11	258.518609	168602.823	ug/L	1.064
C	12		1769480.907	ug/L	
Na	23	S	S	ug/L	S
Mg	24	31331.032935	171673065.655	ug/L	398.259
Mg	25	31120.626489	24065154.652	ug/L	388.621
Al	27	10294.605152	90701492.229	ug/L	68.215
Si	28		32122911.480	ug/L	
P	31	9767.199602	4882324.308	ug/L	87.117
S	32		106359446.251	ug/L	
Cl	35		16090825.499	ug/L	
K	39	31652.944613	445685356.894	ug/L	355.632
Ca	44	43712.841866	19867404.008	ug/L	135.831
Sc	45		262241.180	ug/L	
Ti	47	24.829774	30690.366	ug/L	0.024
Ti	48	36.367559	473937.001	ug/L	1.776
V	51	861.072048	14329412.943	ug/L	8.508
ClO	51		14571944.418	ug/L	
Cr	52	818.547254	11328953.598	ug/L	3.372
Cr	53	830.369207	1363931.892	ug/L	12.714
Fe	54	21921.663784	21372074.228	ug/L	209.326
Mn	55	3612.921933	75576498.863	ug/L	54.347
Fe	56	22658.907575	373368827.628	ug/L	363.045
Fe	57	22360.141228	8906453.886	ug/L	399.014
Co	59	813.810854	12221798.591	ug/L	11.368
Ni	60	784.547810	2504690.818	ug/L	8.740
Ni	62	813.391020	384594.465	ug/L	13.618
Cu	63	742.695031	5344895.723	ug/L	5.850
Zn	64	770.160704	2629995.530	ug/L	6.266
Cu	65	741.703222	2607143.958	ug/L	8.813
Zn	66	788.535361	1588772.359	ug/L	13.424
Zn	68	803.993695	1127535.086	ug/L	6.192
Ge	72		183160.221	ug/L	
As	75	979.670613	1888401.526	ug/L	1.479
ArCl	77		144507.922	ug/L	
Se	78	976.437669	472642.813	ug/L	16.010
Br	79		502695.105	ug/L	

Br	81		562771.715	ug/L	
Se	82	919.446463	200114.557	ug/L	1.565
Y	89		448703.740	ug/L	
Mo	95	1028.731348	4621312.007	ug/L	4.182
Rh	103		380148.853	ug/L	
Ag	107	788.124024	8775341.441	ug/L	15.425
Ag	109	786.834876	8320103.447	ug/L	25.814
Cd	111	969.554511	2704662.341	ug/L	19.083
Cd	114	974.551417	6353353.249	ug/L	10.903
In	115		467152.810	ug/L	
Sb	121	1019.850589	9242493.769	ug/L	18.921
Sb	123	1012.664248	7145045.892	ug/L	19.935
Ba	137	1182.888576	5341491.961	ug/L	8.619
Ba	138	1198.554184	34802382.823	ug/L	7.605
Tb	159		527716.713	ug/L	
Ho	165		509560.952	ug/L	
Hg	200	1.040692	2022.579	ug/L	0.002
Hg	202	1.048267	2675.087	ug/L	0.007
Tl	205	948.720824	24769802.606	ug/L	6.264
Pb	208	933.042601	33644249.730	ug/L	11.934
Bi	209		371367.006	ug/L	
Se	77	852.147237	143728.702	ug/L	1.034

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		96.855
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

86.958

81.672

88.230

Sample ID: 92049.18
Sample Date/Time: Tuesday, August 24, 2010 22:56:34
Autosampler Position: 72
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.18.46881

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		31886.491	ug/L	
Be	9	0.064573	38.334	ug/L	0.001
B	10	261.079258	34483.629	ug/L	2.906
B	11	279.947893	185115.373	ug/L	2.507
C	12		1132953.538	ug/L	
Na	23	S	S	ug/L	S
Mg	24	22740.318563	126351935.941	ug/L	141.372
Mg	25	22668.619469	17775687.468	ug/L	199.444
Al	27	6.229021	60081.536	ug/L	0.702
Si	28		34634291.375	ug/L	
P	31	475.128626	253802.484	ug/L	3.993
S	32		97738777.791	ug/L	
Cl	35		14187108.270	ug/L	
K	39	22494.452339	321442030.989	ug/L	141.322
Ca	44	34488.380113	15898369.528	ug/L	121.419
Sc	45		265951.436	ug/L	
Ti	47	2.759102	3716.131	ug/L	0.128
Ti	48	32.359990	427866.720	ug/L	1.359
V	51	0.328325	35638.746	ug/L	0.015
ClO	51		36883.374	ug/L	
Cr	52	0.043505	12898.262	ug/L	0.009
Cr	53	0.861096	11581.156	ug/L	0.092
Fe	54	12980.007972	12870140.837	ug/L	171.198
Mn	55	2906.140549	61662480.939	ug/L	35.485
Fe	56	13274.325915	223483281.767	ug/L	162.390
Fe	57	13283.165499	5372757.896	ug/L	134.547
Co	59	3.572117	54757.307	ug/L	0.033
Ni	60	11.726527	38119.139	ug/L	0.115
Ni	62	10.960020	5325.613	ug/L	0.191
Cu	63	1.321205	10080.353	ug/L	0.005
Zn	64	5.929799	21922.539	ug/L	0.004
Cu	65	0.295874	1185.756	ug/L	0.001
Zn	66	5.661752	12333.151	ug/L	0.037
Zn	68	10.198276	15162.119	ug/L	0.100
Ge	72		177880.330	ug/L	
As	75	16.195381	30092.157	ug/L	0.562
ArCl	77		1088.409	ug/L	
Se	78	-0.190503	12854.460	ug/L	0.467
Br	79		538242.979	ug/L	

Br	81		597583.327	ug/L	
Se	82	8.175496	1519.142	ug/L	0.166
Y	89		454155.297	ug/L	
Mo	95	30.241933	131938.910	ug/L	0.640
Rh	103		379532.021	ug/L	
Ag	107	0.259627	3160.249	ug/L	0.012
Ag	109	0.254176	2970.182	ug/L	0.012
Cd	111	0.093866	330.343	ug/L	0.014
Cd	114	0.013403	610.027	ug/L	0.006
In	115		471818.942	ug/L	
Sb	121	0.359393	3650.105	ug/L	0.022
Sb	123	0.357172	2826.228	ug/L	0.018
Ba	137	182.233797	831135.421	ug/L	1.756
Ba	138	176.373591	5172554.463	ug/L	1.541
Tb	159		538361.564	ug/L	
Ho	165		508983.714	ug/L	
Hg	200	0.079510	165.003	ug/L	0.004
Hg	202	0.055183	153.670	ug/L	0.003
Tl	205	0.072171	2297.980	ug/L	0.001
Pb	208	0.054900	4597.161	ug/L	0.000
Bi	209		374725.777	ug/L	
Se	77	1.457168	1071.407	ug/L	0.146

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		98.225
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 84.452
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 82.488
Sb
Sb
Ba
Ba
Tb
> Ho 88.130
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.19
Sample Date/Time: Tuesday, August 24, 2010 23:03:05
Autosampler Position: 73
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.19.46882

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		15785.696	ug/L	
Be	9	0.017518	16.000	ug/L	0.006
B	10	337.462136	42909.126	ug/L	1.494
B	11	362.998179	231072.748	ug/L	3.423
C	12		958556.180	ug/L	
Na	23	S	S	ug/L	S
Mg	24	17301.154650	92598926.653	ug/L	71.151
Mg	25	17068.751765	12892721.808	ug/L	106.220
Al	27	59.878632	519572.655	ug/L	1.702
Si	28		26944831.156	ug/L	
P	31	85.223173	54625.757	ug/L	1.113
S	32		98413729.352	ug/L	
Cl	35		13430623.994	ug/L	
K	39	8605.541296	118990615.007	ug/L	85.478
Ca	44	38773.828726	17216375.873	ug/L	39.003
Sc	45		256186.278	ug/L	
Ti	47	3.675907	4676.249	ug/L	0.042
Ti	48	31.401389	400008.923	ug/L	3.338
V	51	0.762302	41371.340	ug/L	0.010
ClO	51		42104.370	ug/L	
Cr	52	0.192541	14438.573	ug/L	0.026
Cr	53	0.944306	11287.783	ug/L	0.112
Fe	54	4089.726163	3963011.673	ug/L	50.773
Mn	55	3599.610171	73570145.759	ug/L	14.657
Fe	56	4163.727477	70111399.939	ug/L	16.570
Fe	57	4178.490713	1637816.779	ug/L	14.336
Co	59	4.770360	70327.349	ug/L	0.002
Ni	60	7.463855	23423.705	ug/L	0.012
Ni	62	6.472290	3056.878	ug/L	0.141
Cu	63	1.687430	12285.420	ug/L	0.026
Zn	64	4.648459	16844.508	ug/L	0.058
Cu	65	0.353678	1340.779	ug/L	0.006
Zn	66	4.420115	9436.990	ug/L	0.006
Zn	68	5.584126	8286.858	ug/L	0.010
Ge	72		172849.087	ug/L	
As	75	29.595264	53635.999	ug/L	0.122
ArCl	77		1063.740	ug/L	
Se	78	0.752851	12912.856	ug/L	0.482
Br	79		290923.627	ug/L	

Br	81		341375.423	ug/L	
Se	82	5.170289	858.699	ug/L	0.524
Y	89		465089.874	ug/L	
Mo	95	22.072568	93619.520	ug/L	0.149
Rh	103		377338.775	ug/L	
Ag	107	0.182488	2304.315	ug/L	0.010
Ag	109	0.180324	2192.287	ug/L	0.012
Cd	111	0.067146	257.006	ug/L	0.002
Cd	114	-0.015491	422.347	ug/L	0.007
In	115		474637.732	ug/L	
Sb	121	0.202963	2229.629	ug/L	0.001
Sb	123	0.203970	1743.967	ug/L	0.007
Ba	137	45.240287	207637.174	ug/L	0.716
Ba	138	45.099306	1330930.459	ug/L	0.531
Tb	159		543767.734	ug/L	
Ho	165		519826.422	ug/L	
Hg	200	0.003366	18.334	ug/L	0.001
Hg	202	0.001120	17.000	ug/L	0.000
Tl	205	0.007180	616.027	ug/L	0.001
Pb	208	0.069278	5223.972	ug/L	0.001
Bi	209		379214.337	ug/L	
Se	77	1.200719	1028.402	ug/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		94.619
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

82.063

82.981

90.007

Sample ID: 92049.20
Sample Date/Time: Tuesday, August 24, 2010 23:09:37
Autosampler Position: 74
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.20.46883

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		15781.690	ug/L	
Be	9	0.013661	15.000	ug/L	0.009
B	10	248.686114	33274.462	ug/L	3.576
B	11	269.262964	180371.109	ug/L	7.003
C	12		881111.651	ug/L	
Na	23	S	S	ug/L	S
Mg	24	12605.526193	70941678.391	ug/L	57.298
Mg	25	12557.625517	9973859.273	ug/L	65.160
Al	27	5.389250	53281.792	ug/L	0.562
Si	28		35165881.370	ug/L	
P	31	236.087988	134683.827	ug/L	2.385
S	32		98834738.742	ug/L	
Cl	35		4576174.424	ug/L	
K	39	7395.023905	107644759.468	ug/L	94.605
Ca	44	23985.039751	11202762.366	ug/L	450.877
Sc	45		269372.692	ug/L	
Ti	47	1.902272	2686.090	ug/L	0.053
Ti	48	23.666621	316848.099	ug/L	0.080
V	51	-0.693344	18667.669	ug/L	0.012
ClO	51		19199.446	ug/L	
Cr	52	-0.034913	11950.811	ug/L	0.000
Cr	53	-2.785041	5622.127	ug/L	0.039
Fe	54	7114.652056	7184623.208	ug/L	78.213
Mn	55	397.624258	8549228.897	ug/L	1.959
Fe	56	7223.391654	124980840.316	ug/L	30.359
Fe	57	7297.445801	2996372.988	ug/L	29.572
Co	59	0.113734	2105.265	ug/L	0.001
Ni	60	5.054450	16728.547	ug/L	0.071
Ni	62	4.483910	2248.634	ug/L	0.034
Cu	63	1.274232	9863.113	ug/L	0.012
Zn	64	2.651839	10711.733	ug/L	0.018
Cu	65	0.114379	545.689	ug/L	0.002
Zn	66	2.475497	5899.640	ug/L	0.036
Zn	68	4.696715	7435.781	ug/L	0.030
Ge	72		178781.057	ug/L	
As	75	3.351563	6091.879	ug/L	0.085
ArCl	77		504.686	ug/L	
Se	78	0.212259	13107.094	ug/L	0.248
Br	79		214164.577	ug/L	

Br	81		256994.152	ug/L	
Se	82	3.651605	565.228	ug/L	0.052
Y	89		466827.376	ug/L	
Mo	95	2.813902	12390.898	ug/L	0.015
Rh	103		389782.411	ug/L	
Ag	107	0.073249	1096.410	ug/L	0.003
Ag	109	0.064709	975.062	ug/L	0.001
Cd	111	0.005852	85.335	ug/L	0.001
Cd	114	-0.053782	173.337	ug/L	0.000
In	115		486613.814	ug/L	
Sb	121	0.102627	1338.779	ug/L	0.005
Sb	123	0.102055	1038.767	ug/L	0.007
Ba	137	77.462756	364451.412	ug/L	0.815
Ba	138	74.404620	2250972.234	ug/L	0.334
Tb	159		544458.023	ug/L	
Ho	165		525854.640	ug/L	
Hg	200	0.018802	49.334	ug/L	0.000
Hg	202	0.011876	45.334	ug/L	0.002
Tl	205	0.011823	747.705	ug/L	0.003
Pb	208	0.007047	2969.221	ug/L	0.001
Bi	209		387507.943	ug/L	
Se	77	-2.059452	481.684	ug/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		99.489
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	84.879
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.074
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	91.051
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.21
Sample Date/Time: Tuesday, August 24, 2010 23:16:10
Autosampler Position: 75
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.21.46884

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17062.665	ug/L	
Be	9	0.005934	11.000	ug/L	0.003
B	10	10.526724	1446.129	ug/L	0.191
B	11	11.173846	7705.676	ug/L	0.278
C	12		758935.500	ug/L	
Na	23	17495.320204	142312982.257	ug/L	70.140
Mg	24	4794.535691	26038264.152	ug/L	0.595
Mg	25	4784.579050	3667139.723	ug/L	32.923
Al	27	16.145638	145335.246	ug/L	0.873
Si	28		23718101.761	ug/L	
P	31	21.818250	24097.636	ug/L	0.288
S	32		106548789.099	ug/L	
Cl	35		11667130.497	ug/L	
K	39	2855.159649	40641656.774	ug/L	33.748
Ca	44	21715.993214	9788358.311	ug/L	459.938
Sc	45		259939.903	ug/L	
Ti	47	1.500598	2104.265	ug/L	0.040
Ti	48	24.096900	311305.781	ug/L	0.875
V	51	0.706282	41055.606	ug/L	0.063
ClO	51		41960.743	ug/L	
Cr	52	0.016286	12233.959	ug/L	0.001
Cr	53	0.538642	10798.190	ug/L	0.272
Fe	54	99.409358	179802.931	ug/L	1.357
Mn	55	31.998135	667973.201	ug/L	0.212
Fe	56	92.803773	5324413.126	ug/L	0.813
Fe	57	170.867125	81841.623	ug/L	3.692
Co	59	0.060104	1233.096	ug/L	0.002
Ni	60	0.886857	2953.176	ug/L	0.009
Ni	62	0.179612	152.669	ug/L	0.022
Cu	63	0.404624	3314.304	ug/L	0.018
Zn	64	2.546948	9981.742	ug/L	0.070
Cu	65	0.244340	979.396	ug/L	0.000
Zn	66	2.130159	5003.427	ug/L	0.044
Zn	68	2.403064	3988.582	ug/L	0.106
Ge	72		182475.925	ug/L	
As	75	7.018189	13261.363	ug/L	0.002
ArCl	77		931.057	ug/L	
Se	78	0.478508	13503.232	ug/L	0.200
Br	79		52160.583	ug/L	

Br	81		87666.850	ug/L	
Se	82	1.555195	121.833	ug/L	0.098
Y	89		484020.601	ug/L	
Mo	95	2.888040	12979.392	ug/L	0.050
Rh	103		405672.479	ug/L	
Ag	107	0.135874	1904.218	ug/L	0.006
Ag	109	0.132310	1797.863	ug/L	0.004
Cd	111	0.013185	111.335	ug/L	0.005
Cd	114	-0.048189	221.005	ug/L	0.002
In	115		508589.842	ug/L	
Sb	121	0.162077	1986.237	ug/L	0.007
Sb	123	0.158615	1520.549	ug/L	0.008
Ba	137	8.129865	40068.173	ug/L	0.141
Ba	138	8.111019	256934.063	ug/L	0.099
Tb	159		557320.861	ug/L	
Ho	165		532962.312	ug/L	
Hg	200	0.133537	281.674	ug/L	0.014
Hg	202	0.096743	271.340	ug/L	0.000
Tl	205	-0.000591	419.347	ug/L	0.000
Pb	208	0.451109	19754.682	ug/L	0.004
Bi	209		409707.815	ug/L	
Se	77	0.415477	896.720	ug/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		96.005
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	86.634
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
=	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.917
	Sb	
	Sb	
	Ba	
=	Ba	
	Tb	
>	Ho	92.282
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	

Sample ID: 92049.24
Sample Date/Time: Tuesday, August 24, 2010 23:22:43
Autosampler Position: 76
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.24.46885

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16945.124	ug/L	
Be	9	0.007810	11.000	ug/L	0.010
B	10	1.738397	291.674	ug/L	0.128
B	11	1.928544	1620.161	ug/L	0.118
C	12		757849.182	ug/L	
Na	23	237.925516	1814289.295	ug/L	5.502
Mg	24	10.766543	55216.033	ug/L	0.260
Mg	25	10.294193	7480.491	ug/L	0.073
Al	27	2.662634	25575.160	ug/L	0.119
Si	28		480212.449	ug/L	
P	31	4.180904	14262.609	ug/L	0.580
S	32		105172155.220	ug/L	
Cl	35		11527193.448	ug/L	
K	39	16.792742	1028393.516	ug/L	0.828
Ca	44	90.401716	47347.732	ug/L	3.548
Sc	45		240980.274	ug/L	
Ti	47	-0.014410	246.006	ug/L	0.009
Ti	48	0.143904	1464.362	ug/L	0.008
V	51	0.393688	33287.498	ug/L	0.032
ClO	51		34190.857	ug/L	
Cr	52	0.038657	11624.794	ug/L	0.018
Cr	53	1.062022	10793.179	ug/L	0.213
Fe	54	1.522176	79329.660	ug/L	1.085
Mn	55	0.075733	5577.437	ug/L	0.017
Fe	56	8.713866	3675565.864	ug/L	2.713
Fe	57	2.047929	14169.117	ug/L	0.951
Co	59	-0.004106	257.006	ug/L	0.001
Ni	60	0.024448	207.671	ug/L	0.005
Ni	62	0.025591	74.668	ug/L	0.031
Cu	63	0.070515	863.050	ug/L	0.002
Zn	64	1.407921	5680.502	ug/L	0.026
Cu	65	0.084239	390.679	ug/L	0.007
Zn	66	1.489126	3451.356	ug/L	0.072
Zn	68	1.403995	2410.344	ug/L	0.063
Ge	72		188465.611	ug/L	
As	75	0.032656	-160.057	ug/L	0.032
ArCl	77		765.707	ug/L	
Se	78	-0.333081	13552.214	ug/L	0.788
Br	79		5923.657	ug/L	

Br	81		38055.867	ug/L	
Se	82	0.770535	-50.057	ug/L	0.080
Y	89		495170.398	ug/L	
Mo	95	0.032367	204.671	ug/L	0.005
Rh	103		434954.262	ug/L	
Ag	107	0.113112	1693.175	ug/L	0.006
Ag	109	0.115043	1661.502	ug/L	0.005
Cd	111	-0.014228	29.334	ug/L	0.001
Cd	114	-0.066205	96.668	ug/L	0.001
In	115		528582.219	ug/L	
Sb	121	0.090523	1330.111	ug/L	0.012
Sb	123	0.090283	1034.270	ug/L	0.010
Ba	137	0.112502	686.366	ug/L	0.005
Ba	138	0.115034	4356.530	ug/L	0.000
Tb	159		572625.859	ug/L	
Ho	165		545141.240	ug/L	
Hg	200	0.000193	12.667	ug/L	0.000
Hg	202	0.000325	15.667	ug/L	0.001
Tl	205	-0.000362	435.348	ug/L	0.001
Pb	208	-0.020482	2016.108	ug/L	0.000
Bi	209		439959.980	ug/L	
Se	77	-0.145119	802.710	ug/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		89.002
Ti		
Ti		
V		
ClO		
Cr		
Cr		
Fe		
Mn		
Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 89.477
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 92.412
Sb
Sb
Ba
Ba
Tb
Ho 94.391
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.25
Sample Date/Time: Tuesday, August 24, 2010 23:29:17
Autosampler Position: 77
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.25.46886

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16644.558	ug/L	
Be	9	0.002635	8.667	ug/L	0.005
B	10	1.436774	251.339	ug/L	0.027
B	11	1.610315	1405.123	ug/L	0.062
C	12		769680.703	ug/L	
Na	23	237.615407	1780906.510	ug/L	0.273
Mg	24	12.063014	60684.585	ug/L	0.047
Mg	25	11.873825	8454.778	ug/L	0.463
Al	27	4.731006	41592.468	ug/L	0.193
Si	28		645435.867	ug/L	
P	31	4.365317	14099.002	ug/L	0.529
S	32		101563503.307	ug/L	
Cl	35		11471541.147	ug/L	
K	39	8.553112	906069.244	ug/L	0.064
Ca	44	90.990998	46781.431	ug/L	2.656
Sc	45		236827.820	ug/L	
Ti	47	0.018016	277.674	ug/L	0.001
Ti	48	0.153183	1548.816	ug/L	0.003
V	51	0.404831	32883.362	ug/L	0.011
ClO	51		33488.917	ug/L	
Cr	52	0.060068	11692.936	ug/L	0.007
Cr	53	1.167533	10764.144	ug/L	0.092
Fe	54	2.686632	78990.608	ug/L	2.188
Mn	55	0.016808	4366.759	ug/L	0.003
Fe	56	12.984244	3675355.702	ug/L	2.599
Fe	57	2.295208	14015.531	ug/L	0.519
Co	59	-0.006184	224.338	ug/L	0.002
Ni	60	0.007099	154.003	ug/L	0.001
Ni	62	0.018592	70.334	ug/L	0.001
Cu	63	0.042701	667.365	ug/L	0.001
Zn	64	1.088726	4599.107	ug/L	0.016
Cu	65	0.048310	270.007	ug/L	0.004
Zn	66	1.075296	2639.743	ug/L	0.014
Zn	68	1.073830	1951.229	ug/L	0.004
Ge	72		186079.817	ug/L	
As	75	-0.020022	-261.271	ug/L	0.043
ArCl	77		765.707	ug/L	
Se	78	0.378628	13721.973	ug/L	0.516
Br	79		4048.275	ug/L	

Br	81		36721.056	ug/L	
Se	82	0.674570	-70.533	ug/L	0.071
Y	89		489245.223	ug/L	
Mo	95	0.025476	170.670	ug/L	0.006
Rh	103		428184.248	ug/L	
Ag	107	0.100530	1513.808	ug/L	0.003
Ag	109	0.090910	1354.114	ug/L	0.003
Cd	111	-0.014231	29.000	ug/L	0.004
Cd	114	-0.062956	119.002	ug/L	0.000
In	115		521506.155	ug/L	
Sb	121	0.073918	1144.417	ug/L	0.004
Sb	123	0.070395	864.160	ug/L	0.011
Ba	137	0.090640	567.023	ug/L	0.003
Ba	138	0.090451	3501.820	ug/L	0.002
Tb	159		576637.515	ug/L	
Ho	165		547096.266	ug/L	
Hg	200	0.001456	15.333	ug/L	0.000
Hg	202	0.001291	18.334	ug/L	0.001
Tl	205	-0.003244	356.344	ug/L	0.001
Pb	208	-0.035217	1452.726	ug/L	0.000
Bi	209		431140.019	ug/L	
Se	77	-0.176926	797.376	ug/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		87.469
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 88.345
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 91.175
Sb
Sb
Ba
Ba
Tb
Ho 94.729
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.01
Sample Date/Time: Wednesday, August 25, 2010 02:10:44
Autosampler Position: 93
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.01.46910

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		15602.719	ug/L	
Be	9	0.017076	18.000	ug/L	0.009
B	10	305.642612	44216.747	ug/L	11.536
B	11	321.889497	233141.904	ug/L	12.001
C	12		58473923.716	ug/L	
Na	23	35433.222058	323116401.897	ug/L	1063.431
Mg	24	20046.251452	122054862.873	ug/L	530.391
Mg	25	19887.304599	17089191.098	ug/L	452.163
Al	27	1.112701	15761.894	ug/L	0.022
Si	28		57521100.139	ug/L	
P	31	675.403141	389066.751	ug/L	19.066
S	32		93682385.732	ug/L	
Cl	35		854658.254	ug/L	
K	39	30682.505092	480085838.084	ug/L	957.126
Ca	44	56094.227277	28328170.872	ug/L	1735.001
Sc	45		291482.154	ug/L	
Ti	47	3.653141	5288.258	ug/L	0.140
Ti	48	41.150030	596138.030	ug/L	2.564
V	51	-0.901749	16351.523	ug/L	0.004
ClO	51		16903.202	ug/L	
Cr	52	0.299486	18053.807	ug/L	0.180
Cr	53	-3.127560	5461.695	ug/L	0.116
Fe	54	20647.361483	22377191.503	ug/L	693.473
Mn	55	1015.442383	23612809.174	ug/L	27.995
Fe	56	21277.198938	389947753.992	ug/L	591.813
Fe	57	21068.940529	9328878.440	ug/L	551.610
Co	59	3.974567	66724.642	ug/L	0.068
Ni	60	9.200235	32808.426	ug/L	0.207
Ni	62	7.568012	4053.277	ug/L	0.247
Cu	63	0.471518	4250.703	ug/L	0.016
Zn	64	3.865494	16193.487	ug/L	0.078
Cu	65	0.161708	775.374	ug/L	0.000
Zn	66	3.390680	8431.326	ug/L	0.090
Zn	68	5.474121	9256.469	ug/L	0.073
Ge	72		180546.010	ug/L	
As	75	62.857675	119213.293	ug/L	1.673
ArCl	77		323.676	ug/L	
Se	78	-1.574833	12405.220	ug/L	1.164
Br	79		156670.212	ug/L	

Br	81		194000.756	ug/L	
Se	82	3.107866	454.107	ug/L	0.010
Y	89		448319.134	ug/L	
Mo	95	0.761900	3425.680	ug/L	0.029
Rh	103		381559.295	ug/L	
Ag	107	-0.008156	151.003	ug/L	0.001
Ag	109	-0.013474	113.002	ug/L	0.000
Cd	111	0.016721	116.002	ug/L	0.000
Cd	114	-0.036133	291.008	ug/L	0.002
In	115		482736.697	ug/L	
Sb	121	0.128331	1567.151	ug/L	0.014
Sb	123	0.127153	1212.197	ug/L	0.013
Ba	137	72.011010	336011.386	ug/L	2.028
Ba	138	69.500078	2085205.885	ug/L	2.000
Tb	159		545456.692	ug/L	
Ho	165		521586.037	ug/L	
Hg	200	-0.000023	11.667	ug/L	0.002
Hg	202	0.001330	17.667	ug/L	0.003
Tl	205	0.050105	1765.856	ug/L	0.003
Pb	208	-0.045446	1007.699	ug/L	0.000
Bi	209		385816.889	ug/L	
Se	77	-3.083184	310.008	ug/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		107.655
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
> Ge 85.717
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
> In 84.397
| Sb
| Sb
| Ba
└ Ba
┌ Tb
> Ho 90.312
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 92049.02
Sample Date/Time: Wednesday, August 25, 2010 02:17:17
Autosampler Position: 94
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.02.46911

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		15008.381	ug/L	
Be	9	0.023496	19.000	ug/L	0.001
B	10	300.636065	38949.321	ug/L	2.649
B	11	320.814100	208086.750	ug/L	5.401
C	12		78808302.661	ug/L	
Na	23	53749.273705	438883996.277	ug/L	206.113
Mg	24	23560.484450	128452505.147	ug/L	107.114
Mg	25	23525.613196	18101297.759	ug/L	4.766
Al	27	24.051470	215205.428	ug/L	0.246
Si	28		39324533.966	ug/L	
P	31	34.211532	30340.244	ug/L	0.499
S	32		90067051.129	ug/L	
Cl	35		2054661.574	ug/L	
K	39	18598.750249	260937964.234	ug/L	79.247
Ca	44	59725.300521	27007977.812	ug/L	92.207
Sc	45		260961.916	ug/L	
Ti	47	2.328673	3121.567	ug/L	0.028
Ti	48	42.673752	553746.134	ug/L	2.222
V	51	0.385072	35908.141	ug/L	0.021
ClO	51		36612.276	ug/L	
Cr	52	1.126085	27547.620	ug/L	0.110
Cr	53	-1.411605	7675.316	ug/L	0.081
Fe	54	48484.088607	46938813.727	ug/L	530.754
Mn	55	1294.758571	26958080.298	ug/L	16.026
Fe	56	49838.416112	812717101.455	ug/L	561.164
Fe	57	48938.255152	19383286.716	ug/L	679.680
Co	59	1.593791	24160.638	ug/L	0.002
Ni	60	6.595905	21103.347	ug/L	0.084
Ni	62	4.864135	2357.329	ug/L	0.050
Cu	63	0.807711	6213.852	ug/L	0.007
Zn	64	0.836648	4211.511	ug/L	0.005
Cu	65	0.294999	1160.419	ug/L	0.006
Zn	66	0.465817	1687.173	ug/L	0.023
Zn	68	3.949969	6162.150	ug/L	0.115
Ge	72		182883.953	ug/L	
As	75	153.630044	295513.093	ug/L	0.793
ArCl	77		408.347	ug/L	
Se	78	-2.638454	12069.855	ug/L	0.063
Br	79		309146.816	ug/L	

Br	81		349520.818	ug/L	
Se	82	5.408428	960.374	ug/L	0.149
Y	89		449807.736	ug/L	
Mo	95	0.631222	2885.154	ug/L	0.025
Rh	103		369528.100	ug/L	
Ag	107	-0.008248	141.669	ug/L	0.000
Ag	109	-0.008490	158.336	ug/L	0.001
Cd	111	0.007926	85.668	ug/L	0.001
Cd	114	-0.044801	219.672	ug/L	0.002
In	115		456300.927	ug/L	
Sb	121	0.162071	1781.526	ug/L	0.003
Sb	123	0.169052	1435.486	ug/L	0.004
Ba	137	120.722739	532533.971	ug/L	1.905
Ba	138	116.046538	3291766.574	ug/L	0.692
Tb	159		528974.160	ug/L	
Ho	165		505104.010	ug/L	
Hg	200	0.001542	14.333	ug/L	0.001
Hg	202	-0.000279	13.000	ug/L	0.000
Tl	205	0.041606	1489.470	ug/L	0.001
Pb	208	-0.051529	758.353	ug/L	0.000
Bi	209		370362.803	ug/L	
Se	77	-2.385458	427.014	ug/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		96.382
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 86.827
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 79.775
Sb
Sb
Ba
Ba
Tb
Ho 87.458
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.03
Sample Date/Time: Wednesday, August 25, 2010 02:23:52
Autosampler Position: 95
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.03.46912

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		15768.332	ug/L	
Be	9	0.011720	14.667	ug/L	0.009
B	10	220.447654	30627.824	ug/L	2.093
B	11	234.153308	162873.237	ug/L	1.423
C	12		22135913.430	ug/L	
Na	23	34856.943490	304979428.772	ug/L	343.618
Mg	24	10748.125224	62789231.394	ug/L	121.454
Mg	25	10653.592847	8782932.002	ug/L	19.979
Al	27	1.180289	15755.215	ug/L	0.007
Si	28		46355522.627	ug/L	
P	31	394.431021	223961.284	ug/L	4.579
S	32		97518249.063	ug/L	
Cl	35		883004.121	ug/L	
K	39	16565.351243	249116977.118	ug/L	54.189
Ca	44	26274.677444	12737399.329	ug/L	321.708
Sc	45		279602.933	ug/L	
Ti	47	2.570093	3659.440	ug/L	0.048
Ti	48	26.079983	362429.005	ug/L	0.207
V	51	-0.996356	14009.259	ug/L	0.010
ClO	51		14259.652	ug/L	
Cr	52	0.142412	15009.896	ug/L	0.101
Cr	53	-4.042603	3649.769	ug/L	0.043
Fe	54	15504.351486	16144692.959	ug/L	74.688
Mn	55	662.272103	14777421.958	ug/L	5.207
Fe	56	15954.597193	281583501.077	ug/L	246.495
Fe	57	15924.358557	6768707.519	ug/L	98.318
Co	59	10.709591	171871.775	ug/L	0.070
Ni	60	9.830468	33620.392	ug/L	0.024
Ni	62	9.083571	4652.904	ug/L	0.018
Cu	63	0.746301	6186.833	ug/L	0.005
Zn	64	0.752677	4206.417	ug/L	0.015
Cu	65	0.374487	1541.146	ug/L	0.006
Zn	66	0.402871	1672.504	ug/L	0.006
Zn	68	1.544352	3006.861	ug/L	0.002
Ge	72		186117.889	ug/L	
As	75	269.659667	528032.001	ug/L	1.131
ArCl	77		289.008	ug/L	
Se	78	-1.038867	13047.890	ug/L	0.123
Br	79		113390.342	ug/L	

Br	81		148331.639	ug/L	
Se	82	2.531628	340.557	ug/L	0.004
Y	89		462555.615	ug/L	
Mo	95	22.577970	103110.666	ug/L	1.259
Rh	103		391227.258	ug/L	
Ag	107	-0.005981	177.337	ug/L	0.003
Ag	109	0.012845	402.684	ug/L	0.038
Cd	111	0.068109	266.340	ug/L	0.004
Cd	114	-0.008016	484.351	ug/L	0.001
In	115		486824.550	ug/L	
Sb	121	0.093452	1252.766	ug/L	0.008
Sb	123	0.094049	980.300	ug/L	0.006
Ba	137	31.540539	148521.874	ug/L	0.203
Ba	138	31.509803	954010.148	ug/L	0.051
Tb	159		546862.727	ug/L	
Ho	165		523886.406	ug/L	
Hg	200	0.008822	29.334	ug/L	0.001
Hg	202	0.004374	25.667	ug/L	0.003
Tl	205	0.037010	1421.459	ug/L	0.001
Pb	208	-0.039774	1222.044	ug/L	0.001
Bi	209		379465.949	ug/L	
Se	77	-3.176612	294.341	ug/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		103.267
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	88.363
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.111
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	90.710
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.04
Sample Date/Time: Wednesday, August 25, 2010 02:30:27
Autosampler Position: 96
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.04.46913

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16807.524	ug/L	
Be	9	-0.000940	8.333	ug/L	0.001
B	10	226.946362	30943.890	ug/L	8.127
B	11	244.184266	166692.793	ug/L	7.583
C	12		32485905.667	ug/L	
Na	23	S	S	ug/L	S
Mg	24	29718.545550	170409926.036	ug/L	748.668
Mg	25	29541.664484	23906831.266	ug/L	702.246
Al	27	1.179814	15461.349	ug/L	0.048
Si	28		47716218.006	ug/L	
P	31	207.885913	122522.288	ug/L	4.370
S	32		96150525.436	ug/L	
Cl	35		4033161.339	ug/L	
K	39	11356.296682	167931555.000	ug/L	286.866
Ca	44	44199.701103	21025124.104	ug/L	982.315
Sc	45		274533.690	ug/L	
Ti	47	2.390424	3361.655	ug/L	0.119
Ti	48	32.386866	442089.793	ug/L	0.631
V	51	-0.771145	17669.331	ug/L	0.016
ClO	51		17927.171	ug/L	
Cr	52	0.025245	13060.540	ug/L	0.072
Cr	53	-2.770071	5753.878	ug/L	0.104
Fe	54	6103.658789	6293023.345	ug/L	120.372
Mn	55	1213.474231	26576733.531	ug/L	17.842
Fe	56	6255.563154	110831050.818	ug/L	107.736
Fe	57	6454.508925	2702238.110	ug/L	132.533
Co	59	0.695181	11285.447	ug/L	0.016
Ni	60	9.019903	30295.365	ug/L	0.211
Ni	62	7.697062	3882.201	ug/L	0.001
Cu	63	1.840089	14311.399	ug/L	0.049
Zn	64	0.889102	4617.015	ug/L	0.027
Cu	65	0.288353	1196.091	ug/L	0.007
Zn	66	0.422322	1682.173	ug/L	0.047
Zn	68	3.385875	5654.148	ug/L	0.031
Ge	72		169880.643	ug/L	
As	75	16.593358	29466.000	ug/L	0.114
ArCl	77		503.686	ug/L	
Se	78	0.736295	12683.157	ug/L	0.468
Br	79		433968.709	ug/L	

Br	81		486432.642	ug/L	
Se	82	7.337274	1281.843	ug/L	0.150
Y	89		446396.370	ug/L	
Mo	95	4.693503	19607.333	ug/L	0.137
Rh	103		367506.710	ug/L	
Ag	107	-0.009805	126.002	ug/L	0.000
Ag	109	-0.011201	131.669	ug/L	0.001
Cd	111	0.014386	104.335	ug/L	0.001
Cd	114	-0.038472	262.673	ug/L	0.001
In	115		461021.360	ug/L	
Sb	121	0.127709	1492.471	ug/L	0.001
Sb	123	0.127384	1159.899	ug/L	0.010
Ba	137	112.822192	502822.560	ug/L	1.919
Ba	138	108.443014	3107655.535	ug/L	2.230
Tb	159		534055.630	ug/L	
Ho	165		510677.167	ug/L	
Hg	200	0.009912	30.667	ug/L	0.002
Hg	202	0.010284	40.000	ug/L	0.001
Tl	205	0.023360	1028.735	ug/L	0.001
Pb	208	-0.048323	882.359	ug/L	0.001
Bi	209		355041.818	ug/L	
Se	77	-1.880545	511.686	ug/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		101.395
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 80.654
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 80.600
Sb
Sb
Ba
Ba
Tb
Ho 88.423
Hg
Hg
Tl
Pb
Bi
Se

92049.04 Diss'ed MS

Sample ID: ~~92079.03 MS~~
Sample Date/Time: Wednesday, August 25, 2010 00:43:37
Autosampler Position: 84
Sample Description: ~~AqTot post~~
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03 MS.46897

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16751.420	ug/L	
Be	9	835.348010	390825.841	ug/L	15.739
B	10	206.930873	27704.768	ug/L	6.174
B	11	223.615697	149885.155	ug/L	6.493
C	12		30850394.948	ug/L	
Na	23	S	S	ug/L	S
Mg	24	37730.291952	212357353.733	ug/L	1022.004
Mg	25	37275.043087	29608529.305	ug/L	900.760
Al	27	9609.972991	86980159.270	ug/L	196.357
Si	28		43903208.287	ug/L	
P	31	9926.508556	5096908.097	ug/L	240.548
S	32		100886324.182	ug/L	
Cl	35		6525151.703	ug/L	
K	39	20334.600705	294440709.379	ug/L	452.524
Ca	44	51910.668577	24234639.388	ug/L	1477.006
Sc	45		269447.076	ug/L	
Ti	47	25.093777	31859.057	ug/L	0.837
Ti	48	40.211151	538863.872	ug/L	2.064
V	51	792.317890	13549913.886	ug/L	12.094
ClO	51		13846758.969	ug/L	
Cr	52	758.734427	10788827.324	ug/L	15.464
Cr	53	768.954777	1298597.499	ug/L	9.845
Fe	54	14792.015148	14845593.434	ug/L	237.245
Mn	55	1957.224725	42070428.389	ug/L	32.767
Fe	56	15112.048063	257176459.230	ug/L	345.775
Fe	57	15244.494893	6243788.570	ug/L	394.925
Co	59	748.413419	11547954.806	ug/L	21.231
Ni	60	723.273953	2372411.070	ug/L	17.703
Ni	62	750.869489	364799.232	ug/L	16.363
Cu	63	695.345056	5141304.191	ug/L	15.903
Zn	64	747.129960	2621341.966	ug/L	15.969
Cu	65	694.040364	2506652.527	ug/L	11.837
Zn	66	767.861868	1589693.208	ug/L	15.665
Zn	68	782.360513	1127270.610	ug/L	19.143
Ge	72		176454.937	ug/L	
As	75	1166.962815	2166568.622	ug/L	36.738
ArCl	77		184807.861	ug/L	
Se	78	1309.882750	606363.422	ug/L	40.380
Br	79		406856.473	ug/L	

Br	81		457210.739	ug/L	
Se	82	1234.671898	258898.407	ug/L	31.307
Y	89		442470.363	ug/L	
Mo	95	996.240161	4310635.533	ug/L	21.120
Rh	103		369637.957	ug/L	
Ag	107	759.546976	8355670.401	ug/L	0.691
Ag	109	759.164813	7930172.747	ug/L	17.858
Cd	111	955.037743	2631889.261	ug/L	17.216
Cd	114	967.684047	6231904.763	ug/L	21.469
In	115		461528.963	ug/L	
Sb	121	1006.692034	9010548.408	ug/L	57.023
Sb	123	1006.537579	7014026.345	ug/L	58.830
Ba	137	1115.828734	4977342.950	ug/L	26.866
Ba	138	1117.039115	32041876.899	ug/L	19.526
Tb	159		523295.530	ug/L	
Ho	165		499449.594	ug/L	
Hg	200	0.881242	1680.505	ug/L	0.008
Hg	202	0.833741	2087.927	ug/L	0.019
Tl	205	925.737833	23687489.025	ug/L	22.350
Pb	208	905.733435	32007783.731	ug/L	24.347
Bi	209		366547.834	ug/L	
Se	77	1089.319165	183501.478	ug/L	14.736

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		99.516
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 83.775
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 80.689
Sb
Sb
Ba
Ba
Tb
> Ho 86.479
Hg
Hg
Tl
Pb
Bi
Se

92049.04 Dissolved MS D2

Sample ID: ~~92079.03 MSD~~

Sample Date/Time: Wednesday, August 25, 2010 00:50:15

Autosampler Position: 85
Sample Description: AqTot post
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03 MSD.46898

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16847.597	ug/L	
Be	9	858.893596	394266.028	ug/L	16.714
B	10	212.786262	27950.186	ug/L	5.392
B	11	230.259977	151416.988	ug/L	6.654
C	12		31850069.966	ug/L	
Na	23	S	S	ug/L	S
Mg	24	38509.594351	212669141.360	ug/L	712.680
Mg	25	38209.033344	29779189.578	ug/L	754.096
Al	27	9740.965904	86502450.057	ug/L	240.215
Si	28		44082592.565	ug/L	
P	31	10085.320842	5080632.419	ug/L	261.952
S	32		101345202.142	ug/L	
Cl	35		6466704.244	ug/L	
K	39	20428.106571	290202726.722	ug/L	675.782
Ca	44	51934.235045	23789132.542	ug/L	1420.405
Sc	45		264359.452	ug/L	
Ti	47	25.601760	31886.158	ug/L	0.874
Ti	48	41.559046	546326.986	ug/L	1.368
V	51	791.833137	13286367.055	ug/L	11.260
ClO	51		13665263.743	ug/L	
Cr	52	770.563863	10751029.723	ug/L	4.568
Cr	53	776.529630	1286574.347	ug/L	7.638
Fe	54	14846.411139	14618584.409	ug/L	319.021
Mn	55	1978.163764	41717807.812	ug/L	43.901
Fe	56	15229.010819	254260418.961	ug/L	250.993
Fe	57	15273.301608	6137817.606	ug/L	340.609
Co	59	754.236843	11418833.417	ug/L	18.369
Ni	60	733.288192	2359885.485	ug/L	21.888
Ni	62	754.886818	359827.871	ug/L	21.882
Cu	63	700.205689	5079463.516	ug/L	22.945
Zn	64	748.738436	2577464.098	ug/L	16.802
Cu	65	696.901204	2469560.714	ug/L	10.115
Zn	66	768.919030	1561962.443	ug/L	6.428
Zn	68	780.004588	1102732.401	ug/L	14.617
Ge	72		171057.014	ug/L	
As	75	1189.873718	2142166.653	ug/L	16.532
ArCl	77		183449.328	ug/L	
Se	78	1346.936064	604247.599	ug/L	5.123
Br	79		403092.546	ug/L	

Br	81		453129.696	ug/L	
Se	82	1266.644905	257539.907	ug/L	4.707
Y	89		434105.649	ug/L	
Mo	95	1020.433749	4281169.633	ug/L	15.703
Rh	103		365171.494	ug/L	
Ag	107	773.307644	8402221.248	ug/L	12.823
Ag	109	772.048197	7965816.816	ug/L	23.153
Cd	111	962.743278	2620482.167	ug/L	29.216
Cd	114	973.950038	6195314.672	ug/L	28.031
In	115		455898.149	ug/L	
Sb	121	1019.120491	9010785.947	ug/L	45.643
Sb	123	1014.939080	6986268.527	ug/L	51.898
Ba	137	1123.984947	4952167.657	ug/L	35.955
Ba	138	1127.501018	31943583.269	ug/L	36.072
Tb	159		517572.330	ug/L	
Ho	165		492768.630	ug/L	
Hg	200	0.859146	1616.160	ug/L	0.057
Hg	202	0.845630	2089.261	ug/L	0.014
Tl	205	933.338813	23564079.268	ug/L	11.099
Pb	208	913.712494	31859846.699	ug/L	13.988
Bi	209		363304.192	ug/L	
Se	77	1079.029325	181775.914	ug/L	11.551

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		97.637
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 81.212
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 79.704
Sb
Sb
Ba
Ba
Tb
Ho 85.322
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.05
Sample Date/Time: Wednesday, August 25, 2010 03:38:13
Autosampler Position: 102
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.05.46923

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16388.092	ug/L	
Be	9	0.010279	12.667	ug/L	0.009
B	10	10.155183	1371.451	ug/L	0.317
B	11	10.866611	7361.387	ug/L	0.001
C	12		4164392.674	ug/L	
Na	23	37855.674423	301847838.086	ug/L	642.402
Mg	24	870.714247	4636685.492	ug/L	12.416
Mg	25	895.651219	673047.138	ug/L	23.169
Al	27	8.313380	75419.061	ug/L	0.191
Si	28		28469597.521	ug/L	
P	31	165.320954	93130.535	ug/L	3.321
S	32		91822370.702	ug/L	
Cl	35		284326.005	ug/L	
K	39	4244.385488	58816036.481	ug/L	30.253
Ca	44	5753.047559	2549673.870	ug/L	77.918
Sc	45		254870.736	ug/L	
Ti	47	1.338532	1869.878	ug/L	0.042
Ti	48	6.198862	78329.121	ug/L	0.083
V	51	-1.185261	9718.289	ug/L	0.021
ClO	51		9925.181	ug/L	
Cr	52	-0.153335	9714.769	ug/L	0.011
Cr	53	-4.694436	2292.312	ug/L	0.070
Fe	54	-31.158385	53067.972	ug/L	0.683
Mn	55	11.995676	248227.564	ug/L	0.127
Fe	56	-5.602221	3660980.619	ug/L	1.801
Fe	57	32.656162	26822.209	ug/L	0.791
Co	59	0.010391	483.351	ug/L	0.000
Ni	60	0.325673	1153.418	ug/L	0.026
Ni	62	0.323274	215.671	ug/L	0.006
Cu	63	0.847265	6345.945	ug/L	0.006
Zn	64	0.282604	2276.255	ug/L	0.031
Cu	65	0.388409	1451.797	ug/L	0.020
Zn	66	0.106601	945.392	ug/L	0.044
Zn	68	0.572756	1417.458	ug/L	0.014
Ge	72		182765.877	ug/L	
As	75	2.546856	4679.298	ug/L	0.095
ArCl	77		231.339	ug/L	
Se	78	-0.302711	13156.083	ug/L	0.539
Br	79		16761.272	ug/L	

Br	81		47582.341	ug/L	
Se	82	1.010394	3.742	ug/L	0.025
Y	89		461759.915	ug/L	
Mo	95	0.729624	3324.642	ug/L	0.016
Rh	103		392935.784	ug/L	
Ag	107	0.464531	5664.494	ug/L	0.047
Ag	109	0.450404	5251.241	ug/L	0.046
Cd	111	0.007724	91.335	ug/L	0.002
Cd	114	-0.047816	215.005	ug/L	0.003
In	115		489424.359	ug/L	
Sb	121	0.292979	3154.580	ug/L	0.021
Sb	123	0.300613	2513.071	ug/L	0.022
Ba	137	8.389498	39792.632	ug/L	0.018
Ba	138	8.368130	255110.732	ug/L	0.055
Tb	159		547922.049	ug/L	
Ho	165		522752.346	ug/L	
Hg	200	0.109429	228.672	ug/L	0.003
Hg	202	0.080960	225.005	ug/L	0.002
Tl	205	0.035341	1373.118	ug/L	0.004
Pb	208	-0.029228	1609.071	ug/L	0.003
Bi	209		378322.177	ug/L	
Se	77	-3.576160	227.338	ug/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		94.133
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 86.771
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 85.566
Sb
Sb
Ba
Ba
Tb
> Ho 90.514
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.08
Sample Date/Time: Wednesday, August 25, 2010 03:44:43
Autosampler Position: 103
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.08.46924

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		15975.360	ug/L	
Be	9	0.007818	14.000	ug/L	0.002
B	10	76.943614	11820.139	ug/L	2.507
B	11	80.155799	61669.147	ug/L	1.025
C	12		29179560.024	ug/L	
Na	23	12860.071201	123669704.052	ug/L	61.377
Mg	24	8189.531818	52574189.325	ug/L	13.075
Mg	25	8138.570538	7374149.439	ug/L	85.813
Al	27	8.882734	96832.783	ug/L	0.118
Si	28		73963200.567	ug/L	
P	31	164.452027	111801.252	ug/L	2.115
S	32		93994244.539	ug/L	
Cl	35		484438.960	ug/L	
K	39	13980.164201	231219558.531	ug/L	110.434
Ca	44	32995.234189	17575543.900	ug/L	351.517
Sc	45		307279.264	ug/L	
Ti	47	3.855997	5867.285	ug/L	0.017
Ti	48	24.946905	380956.743	ug/L	0.444
V	51	-0.989961	15520.392	ug/L	0.009
ClO	51		16055.660	ug/L	
Cr	52	0.456824	21599.116	ug/L	0.007
Cr	53	-3.899723	4283.385	ug/L	0.015
Fe	54	36704.878016	41866868.706	ug/L	12.126
Mn	55	638.791953	15663811.885	ug/L	0.251
Fe	56	37581.475782	722723364.221	ug/L	127.614
Fe	57	37026.763305	17272837.851	ug/L	26.017
Co	59	4.470524	79069.491	ug/L	0.058
Ni	60	8.433101	31719.893	ug/L	0.056
Ni	62	7.417320	4190.341	ug/L	0.016
Cu	63	0.284969	2909.161	ug/L	0.006
Zn	64	0.749441	4610.071	ug/L	0.004
Cu	65	0.221754	1064.740	ug/L	0.000
Zn	66	0.366081	1751.186	ug/L	0.003
Zn	68	1.366785	3013.196	ug/L	0.033
Ge	72		192541.879	ug/L	
As	75	269.833088	546659.658	ug/L	3.147
ArCl	77		246.006	ug/L	
Se	78	-2.606993	12721.493	ug/L	0.299
Br	79		31018.149	ug/L	

Br	81		60892.200	ug/L	
Se	82	1.325770	76.278	ug/L	0.083
Y	89		450441.773	ug/L	
Mo	95	0.355003	1733.516	ug/L	0.020
Rh	103		383448.326	ug/L	
Ag	107	0.037888	683.033	ug/L	0.003
Ag	109	0.030656	597.359	ug/L	0.007
Cd	111	0.007019	88.335	ug/L	0.002
Cd	114	-0.054009	171.003	ug/L	0.000
In	115		484335.293	ug/L	
Sb	121	0.136130	1646.833	ug/L	0.014
Sb	123	0.135117	1275.339	ug/L	0.013
Ba	137	16.104212	75495.937	ug/L	0.118
Ba	138	16.151726	486772.407	ug/L	0.029
Tb	159		542441.322	ug/L	
Ho	165		520922.633	ug/L	
Hg	200	0.003009	17.667	ug/L	0.001
Hg	202	0.001874	19.000	ug/L	0.001
Tl	205	0.035979	1385.786	ug/L	0.004
Pb	208	-0.043035	1095.037	ug/L	0.001
Bi	209		385902.057	ug/L	
Se	77	-3.272026	278.340	ug/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		113.489
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
> Ge 91.413
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
> In 84.676
| Sb
| Sb
| Ba
└ Ba
┌ Tb
> Ho 90.197
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 92049.09
Sample Date/Time: Wednesday, August 25, 2010 03:51:14
Autosampler Position: 104
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.09.46925

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16214.453	ug/L	
Be	9	0.010508	14.000	ug/L	0.010
B	10	11.948215	1750.186	ug/L	0.255
B	11	13.030448	9565.794	ug/L	0.127
C	12		10692471.448	ug/L	
Na	23	8931.125277	78066617.883	ug/L	37.090
Mg	24	2530.213173	14763881.148	ug/L	19.411
Mg	25	2537.150666	2089431.762	ug/L	3.745
Al	27	1.794882	21504.220	ug/L	0.004
Si	28		39696428.202	ug/L	
P	31	17.448039	23572.884	ug/L	0.270
S	32		99754722.224	ug/L	
Cl	35		352589.089	ug/L	
K	39	1862.681121	28813506.871	ug/L	13.124
Ca	44	9394.657163	4555948.930	ug/L	45.264
Sc	45		279292.444	ug/L	
Ti	47	1.379122	2101.931	ug/L	0.063
Ti	48	9.907682	137309.281	ug/L	0.413
V	51	-1.354917	7650.628	ug/L	0.014
ClO	51		7637.283	ug/L	
Cr	52	-0.150807	10684.467	ug/L	0.000
Cr	53	-4.852333	2238.965	ug/L	0.001
Fe	54	11116.116588	11587166.725	ug/L	59.904
Mn	55	2284.569828	50898856.422	ug/L	40.252
Fe	56	11530.598274	204383756.019	ug/L	122.935
Fe	57	11442.473645	4862131.507	ug/L	108.090
Co	59	17.332550	277581.513	ug/L	0.287
Ni	60	27.498083	93648.816	ug/L	0.359
Ni	62	27.250145	13794.930	ug/L	0.181
Cu	63	0.392431	3467.362	ug/L	0.003
Zn	64	2.536919	10686.214	ug/L	0.076
Cu	65	0.345027	1429.127	ug/L	0.005
Zn	66	2.089220	5287.257	ug/L	0.050
Zn	68	2.770693	4833.666	ug/L	0.051
Ge	72		190600.168	ug/L	
As	75	22.974229	45858.593	ug/L	0.245
ArCl	77		226.338	ug/L	
Se	78	-0.603785	13575.089	ug/L	0.001
Br	79		10177.129	ug/L	

Br	81		41209.938	ug/L	
Se	82	1.059997	15.282	ug/L	0.125
Y	89		478526.358	ug/L	
Mo	95	0.169356	848.048	ug/L	0.019
Rh	103		407351.694	ug/L	
Ag	107	0.094780	1398.122	ug/L	0.006
Ag	109	0.085575	1251.432	ug/L	0.007
Cd	111	-0.002428	63.668	ug/L	0.001
Cd	114	-0.059826	137.336	ug/L	0.003
In	115		505615.889	ug/L	
Sb	121	0.100369	1369.451	ug/L	0.012
Sb	123	0.101721	1076.899	ug/L	0.007
Ba	137	15.108777	73942.565	ug/L	0.217
Ba	138	15.183666	477681.764	ug/L	0.284
Tb	159		560148.766	ug/L	
Ho	165		534763.932	ug/L	
Hg	200	0.000466	13.000	ug/L	0.002
Hg	202	-0.000071	14.333	ug/L	0.001
Tl	205	0.032420	1325.443	ug/L	0.001
Pb	208	-0.016324	2134.785	ug/L	0.001
Bi	209		403529.775	ug/L	
Se	77	-3.556282	230.672	ug/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		103.152
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	90.491
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.397
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	92.594
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.10
Sample Date/Time: Wednesday, August 25, 2010 03:57:45
Autosampler Position: 105
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.10.46926

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17168.196	ug/L	
Be	9	0.010861	14.333	ug/L	0.015
B	10	4.665526	750.039	ug/L	0.327
B	11	5.200538	4182.004	ug/L	0.078
C	12		4422231.778	ug/L	
Na	23	7900.294311	69708833.638	ug/L	112.327
Mg	24	5340.834310	31456573.495	ug/L	48.383
Mg	25	5331.187823	4431416.311	ug/L	52.727
Al	27	0.871691	12963.889	ug/L	0.095
Si	28		42619079.369	ug/L	
P	31	-12.320989	7840.835	ug/L	0.831
S	32		98113008.359	ug/L	
Cl	35		186410.273	ug/L	
K	39	2419.920673	37501968.215	ug/L	8.240
Ca	44	6189.711200	3033776.245	ug/L	19.280
Sc	45		281908.246	ug/L	
Ti	47	1.362194	2099.930	ug/L	0.015
Ti	48	6.811626	95216.817	ug/L	0.217
V	51	-1.465948	5741.538	ug/L	0.012
ClO	51		5802.244	ug/L	
Cr	52	-0.185314	10271.334	ug/L	0.027
Cr	53	-5.079924	1860.876	ug/L	0.058
Fe	54	1576.624611	1737199.329	ug/L	24.809
Mn	55	286.058211	6437952.724	ug/L	0.066
Fe	56	1517.902185	30760996.750	ug/L	15.814
Fe	57	1577.690403	690262.244	ug/L	18.664
Co	59	0.506694	8547.769	ug/L	0.006
Ni	60	0.591456	2188.952	ug/L	0.018
Ni	62	0.472324	314.342	ug/L	0.000
Cu	63	0.194045	1965.232	ug/L	0.001
Zn	64	0.945257	4948.141	ug/L	0.026
Cu	65	0.152023	713.369	ug/L	0.016
Zn	66	0.634874	2188.619	ug/L	0.027
Zn	68	1.208606	2525.709	ug/L	0.009
Ge	72		190325.007	ug/L	
As	75	0.488898	751.855	ug/L	0.041
ArCl	77		245.006	ug/L	
Se	78	-0.710476	13503.292	ug/L	0.043
Br	79		7180.240	ug/L	

Br	81		38799.343	ug/L	
Se	82	0.871757	-27.583	ug/L	0.092
Y	89		478097.767	ug/L	
Mo	95	0.138226	701.034	ug/L	0.012
Rh	103		410499.749	ug/L	
Ag	107	0.113662	1614.827	ug/L	0.013
Ag	109	0.114671	1573.819	ug/L	0.015
Cd	111	-0.002924	61.668	ug/L	0.006
Cd	114	-0.058329	147.003	ug/L	0.002
In	115		502441.801	ug/L	
Sb	121	0.139595	1742.851	ug/L	0.006
Sb	123	0.142011	1375.779	ug/L	0.004
Ba	137	11.138703	54197.952	ug/L	0.167
Ba	138	11.131632	348178.059	ug/L	0.069
Tb	159		563717.598	ug/L	
Ho	165		535815.908	ug/L	
Hg	200	0.000131	12.333	ug/L	0.001
Hg	202	-0.000072	14.333	ug/L	0.001
Tl	205	0.022648	1059.739	ug/L	0.001
Pb	208	-0.040109	1237.379	ug/L	0.001
Bi	209		401502.255	ug/L	
Se	77	-3.580135	226.672	ug/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		104.119
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| | Fe
| | Co
| | Ni
| | Ni
| | Cu
| | Zn
| | Cu
| | Zn
| | Zn
|> Ge 90.360
| | As
| | ArCl
| | Se
| | Br
| | Br
| | Se
| | Y
| | Mo
| | Rh
| | Ag
| | Ag
| | Cd
| | Cd
|> In 87.842
| | Sb
| | Sb
| | Ba
| | Ba
| | Tb
|> Ho 92.776
| | Hg
| | Hg
| | Tl
| | Pb
| | Bi
| | Se

Sample ID: 92049.11
Sample Date/Time: Wednesday, August 25, 2010 04:04:17
Autosampler Position: 106
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.11.46927

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17189.570	ug/L	
Be	9	0.003716	10.667	ug/L	0.002
B	10	6.277106	960.060	ug/L	0.174
B	11	6.452529	4979.747	ug/L	0.147
C	12		4143750.091	ug/L	
Na	23	18581.394474	161432562.280	ug/L	184.384
Mg	24	5236.287180	30371312.715	ug/L	73.012
Mg	25	5235.364749	4285429.813	ug/L	82.429
Al	27	3.639974	38568.853	ug/L	0.200
Si	28		39243592.280	ug/L	
P	31	-8.722022	9616.048	ug/L	1.124
S	32		106105504.080	ug/L	
Cl	35		209132.431	ug/L	
K	39	3822.742268	57796533.047	ug/L	64.617
Ca	44	7079.661226	3415904.785	ug/L	35.525
Sc	45		277661.469	ug/L	
Ti	47	1.369279	2076.591	ug/L	0.064
Ti	48	8.725876	120189.036	ug/L	0.244
V	51	-1.394127	6918.034	ug/L	0.001
ClO	51		6964.737	ug/L	
Cr	52	-0.131852	10896.532	ug/L	0.019
Cr	53	-5.063739	1858.876	ug/L	0.106
Fe	54	-39.819098	48885.670	ug/L	1.346
Mn	55	23.261745	519829.233	ug/L	0.692
Fe	56	-21.833991	3707174.234	ug/L	2.915
Fe	57	31.294112	28637.896	ug/L	1.257
Co	59	0.035478	925.056	ug/L	0.003
Ni	60	0.375382	1425.459	ug/L	0.001
Ni	62	0.513450	329.676	ug/L	0.095
Cu	63	0.628912	5249.235	ug/L	0.001
Zn	64	2.584574	10796.572	ug/L	0.037
Cu	65	0.463039	1859.209	ug/L	0.023
Zn	66	1.958522	4977.078	ug/L	0.058
Zn	68	2.324039	4142.985	ug/L	0.008
Ge	72		190105.858	ug/L	
As	75	0.263639	300.206	ug/L	0.030
ArCl	77		236.005	ug/L	
Se	78	-0.371842	13653.508	ug/L	0.219
Br	79		7269.645	ug/L	

Br	81		38955.679	ug/L	
Se	82	0.844453	-33.682	ug/L	0.006
Y	89		478091.767	ug/L	
Mo	95	2.496576	11696.640	ug/L	0.057
Rh	103		406096.358	ug/L	
Ag	107	0.199471	2660.085	ug/L	0.026
Ag	109	0.190187	2449.023	ug/L	0.027
Cd	111	-0.000781	68.668	ug/L	0.001
Cd	114	-0.058290	148.336	ug/L	0.001
In	115		505798.255	ug/L	
Sb	121	0.220164	2545.049	ug/L	0.010
Sb	123	0.217481	1961.262	ug/L	0.001
Ba	137	6.355643	31179.021	ug/L	0.082
Ba	138	6.355058	200342.816	ug/L	0.050
Tb	159		560000.705	ug/L	
Ho	165		535366.387	ug/L	
Hg	200	0.031333	75.668	ug/L	0.000
Hg	202	0.021047	70.668	ug/L	0.005
Tl	205	0.017225	910.055	ug/L	0.000
Pb	208	-0.038851	1284.049	ug/L	0.000
Bi	209		393350.399	ug/L	
Se	77	-3.510562	238.339	ug/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		102.550
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	90.256
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.428
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	92.698
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.12
Sample Date/Time: Wednesday, August 25, 2010 04:10:49
Autosampler Position: 107
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.12.46928

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18273.014	ug/L	
Be	9	0.008094	12.667	ug/L	0.006
B	10	4.520210	712.035	ug/L	0.115
B	11	4.941282	3903.877	ug/L	0.132
C	12		2237512.453	ug/L	
Na	23	6428.598291	55352271.785	ug/L	60.468
Mg	24	2793.597913	16055313.994	ug/L	6.061
Mg	25	2793.231823	2265585.805	ug/L	7.725
Al	27	0.418636	8461.453	ug/L	0.047
Si	28		31923838.683	ug/L	
P	31	-6.182347	10860.903	ug/L	0.242
S	32		101269465.003	ug/L	
Cl	35		190174.112	ug/L	
K	39	1806.713281	27555243.851	ug/L	21.831
Ca	44	4335.258261	2076650.855	ug/L	51.822
Sc	45		275072.912	ug/L	
Ti	47	1.051590	1650.166	ug/L	0.043
Ti	48	5.003031	68159.793	ug/L	0.140
V	51	-1.438644	6077.760	ug/L	0.016
ClO	51		6266.557	ug/L	
Cr	52	-0.185358	10022.199	ug/L	0.007
Cr	53	-5.199676	1610.826	ug/L	0.071
Fe	54	-47.757947	40357.729	ug/L	0.154
Mn	55	2.233318	53709.395	ug/L	0.020
Fe	56	-29.461175	3542701.425	ug/L	0.977
Fe	57	13.530950	20966.244	ug/L	0.295
Co	59	0.007326	473.350	ug/L	0.001
Ni	60	0.473214	1739.851	ug/L	0.002
Ni	62	0.459451	300.341	ug/L	0.007
Cu	63	0.382164	3337.646	ug/L	0.002
Zn	64	2.422660	10117.691	ug/L	0.002
Cu	65	0.353785	1439.795	ug/L	0.030
Zn	66	2.100452	5231.891	ug/L	0.001
Zn	68	2.453409	4294.724	ug/L	0.011
Ge	72		193899.421	ug/L	
As	75	0.087579	-52.848	ug/L	0.006
ArCl	77		236.339	ug/L	
Se	78	-1.026944	13599.140	ug/L	0.085
Br	79		4458.138	ug/L	

Br	81		36318.097	ug/L	
Se	82	0.729367	-60.860	ug/L	0.045
Y	89		489519.674	ug/L	
Mo	95	0.148115	761.373	ug/L	0.012
Rh	103		417136.888	ug/L	
Ag	107	0.172415	2363.000	ug/L	0.026
Ag	109	0.171416	2261.973	ug/L	0.028
Cd	111	-0.003120	62.334	ug/L	0.006
Cd	114	-0.059384	142.336	ug/L	0.002
In	115		511989.212	ug/L	
Sb	121	0.087706	1260.434	ug/L	0.012
Sb	123	0.088090	984.761	ug/L	0.002
Ba	137	5.253750	26108.698	ug/L	0.016
Ba	138	5.306710	169436.067	ug/L	0.039
Tb	159		563714.889	ug/L	
Ho	165		540416.623	ug/L	
Hg	200	-0.001709	8.667	ug/L	0.001
Hg	202	-0.000119	14.333	ug/L	0.001
Tl	205	0.021363	1033.069	ug/L	0.002
Pb	208	-0.041420	1197.710	ug/L	0.002
Bi	209		413204.916	ug/L	
Se	77	-3.605976	222.338	ug/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		101.594
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 92.057
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 89.511
Sb
Sb
Ba
Ba
Tb
> Ho 93.572
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.16
Sample Date/Time: Wednesday, August 25, 2010 04:45:34
Autosampler Position: 108
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.16.46933

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16856.952	ug/L	
Be	9	0.018020	17.000	ug/L	0.005
B	10	222.608999	29683.681	ug/L	0.466
B	11	242.843809	162111.645	ug/L	0.177
C	12		18557571.404	ug/L	
Na	23	S	S	ug/L	S
Mg	24	24302.667058	136261186.299	ug/L	81.432
Mg	25	24167.457803	19122592.831	ug/L	252.923
Al	27	0.574049	9659.434	ug/L	0.043
Si	28		42960347.020	ug/L	
P	31	37.565645	32912.759	ug/L	0.133
S	32		93784853.626	ug/L	
Cl	35		4807384.114	ug/L	
K	39	6248.505425	90752518.740	ug/L	55.774
Ca	44	61683.367741	28685042.848	ug/L	352.889
Sc	45		268378.747	ug/L	
Ti	47	1.754723	2490.699	ug/L	0.057
Ti	48	47.301913	631170.921	ug/L	0.744
V	51	-0.788219	16984.020	ug/L	0.018
ClO	51		17322.328	ug/L	
Cr	52	0.061930	13282.054	ug/L	0.069
Cr	53	-2.845481	5500.052	ug/L	0.074
Fe	54	4493.513827	4552540.584	ug/L	51.954
Mn	55	445.238091	9536485.803	ug/L	4.141
Fe	56	4607.996987	80863625.912	ug/L	6.333
Fe	57	4785.419037	1962657.533	ug/L	62.980
Co	59	0.125781	2282.309	ug/L	0.004
Ni	60	10.594903	34766.366	ug/L	0.148
Ni	62	8.833022	4344.415	ug/L	0.165
Cu	63	2.000242	15172.135	ug/L	0.035
Zn	64	0.536095	3281.459	ug/L	0.010
Cu	65	0.361357	1432.461	ug/L	0.016
Zn	66	0.009818	795.043	ug/L	0.003
Zn	68	1.709730	3123.568	ug/L	0.026
Ge	72		170860.094	ug/L	
As	75	16.235151	28990.571	ug/L	0.223
ArCl	77		577.357	ug/L	
Se	78	0.430536	12622.021	ug/L	0.456
Br	79		585802.637	ug/L	

Br	81		655650.473	ug/L	
Se	82	9.603135	1749.919	ug/L	0.011
Y	89		452463.732	ug/L	
Mo	95	2.000885	8434.997	ug/L	0.021
Rh	103		364205.762	ug/L	
Ag	107	-0.011345	109.002	ug/L	0.001
Ag	109	-0.013971	102.668	ug/L	0.000
Cd	111	0.004835	78.001	ug/L	0.004
Cd	114	-0.041822	241.006	ug/L	0.003
In	115		460741.694	ug/L	
Sb	121	0.097213	1219.094	ug/L	0.006
Sb	123	0.099542	965.916	ug/L	0.008
Ba	137	57.748166	257285.511	ug/L	0.202
Ba	138	57.364767	1643330.692	ug/L	0.173
Tb	159		530273.939	ug/L	
Ho	165		507403.799	ug/L	
Hg	200	0.019184	48.334	ug/L	0.002
Hg	202	0.014069	49.334	ug/L	0.002
Tl	205	0.022504	999.732	ug/L	0.001
Pb	208	-0.050332	804.689	ug/L	0.002
Bi	209		343948.664	ug/L	
Se	77	-1.518754	572.357	ug/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		99.122
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 81.119
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 80.551
Sb
Sb
Ba
Ba
Tb
Ho 87.856
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.17
Sample Date/Time: Wednesday, August 25, 2010 04:52:07
Autosampler Position: 109
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.17.46934

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		32801.738	ug/L	
Be	9	0.047946	30.334	ug/L	0.001
B	10	262.823277	34346.111	ug/L	5.270
B	11	281.292613	184034.877	ug/L	5.777
C	12		15565252.430	ug/L	
Na	23	S	S	ug/L	S
Mg	24	22375.864897	123014209.418	ug/L	281.524
Mg	25	22118.155989	17160770.746	ug/L	326.585
Al	27	1.021591	13424.590	ug/L	0.075
Si	28		34551162.075	ug/L	
P	31	492.298555	259716.785	ug/L	7.030
S	32		95716150.669	ug/L	
Cl	35		3546266.414	ug/L	
K	39	21973.862975	310707399.991	ug/L	299.639
Ca	44	32559.973528	14851698.137	ug/L	536.844
Sc	45		263151.699	ug/L	
Ti	47	2.595497	3475.699	ug/L	0.007
Ti	48	31.695377	414614.908	ug/L	0.684
V	51	-1.012128	12922.974	ug/L	0.005
ClO	51		12820.830	ug/L	
Cr	52	-0.040516	11598.604	ug/L	0.067
Cr	53	-3.448880	4406.112	ug/L	0.024
Fe	54	12038.940441	11817017.825	ug/L	155.391
Mn	55	2788.186477	58535279.320	ug/L	15.522
Fe	56	12485.050568	208206351.243	ug/L	63.406
Fe	57	12427.055738	4974325.958	ug/L	140.635
Co	59	3.348392	50808.092	ug/L	0.001
Ni	60	11.245674	36176.869	ug/L	0.044
Ni	62	10.676328	5134.834	ug/L	0.068
Cu	63	1.438070	10818.208	ug/L	0.002
Zn	64	0.598804	3432.086	ug/L	0.014
Cu	65	0.417268	1601.490	ug/L	0.001
Zn	66	0.288155	1342.113	ug/L	0.016
Zn	68	4.696682	7263.640	ug/L	0.108
Ge	72		175750.654	ug/L	
As	75	16.991187	31221.843	ug/L	0.096
ArCl	77		430.014	ug/L	
Se	78	-0.161053	12717.225	ug/L	0.048
Br	79		483397.431	ug/L	

Br	81		542343.918	ug/L	
Se	82	7.681529	1398.536	ug/L	0.310
Y	89		457008.373	ug/L	
Mo	95	27.901294	120320.316	ug/L	0.249
Rh	103		380234.255	ug/L	
Ag	107	-0.007612	153.336	ug/L	0.000
Ag	109	-0.009618	151.336	ug/L	0.001
Cd	111	0.080667	293.008	ug/L	0.002
Cd	114	-0.001650	510.353	ug/L	0.001
In	115		470943.719	ug/L	
Sb	121	0.153462	1759.855	ug/L	0.008
Sb	123	0.148422	1334.882	ug/L	0.005
Ba	137	177.630499	808717.626	ug/L	0.033
Ba	138	172.287430	5043744.502	ug/L	1.542
Tb	159		541216.660	ug/L	
Ho	165		514375.734	ug/L	
Hg	200	0.066010	140.336	ug/L	0.004
Hg	202	0.045286	130.002	ug/L	0.002
Tl	205	0.036380	1379.118	ug/L	0.002
Pb	208	-0.049102	860.691	ug/L	0.002
Bi	209		375195.891	ug/L	
Se	77	-2.284078	444.015	ug/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		97.191
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 83.441
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 82.335
Sb
Sb
Ba
Ba
Tb
Ho 89.064
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.04 MS
Sample Date/Time: Wednesday, August 25, 2010 02:37:02
Autosampler Position: 97
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.04 MS.46914

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		31165.339	ug/L	
Be	9	943.331663	408227.110	ug/L	20.634
B	10	254.620566	31518.530	ug/L	1.672
B	11	271.844496	168479.459	ug/L	0.484
C	12		20926059.389	ug/L	
Na	23	S	S	ug/L	S
Mg	24	32308.280525	168225414.007	ug/L	302.979
Mg	25	32208.526681	23668318.113	ug/L	265.297
Al	27	10625.497095	88965161.024	ug/L	117.653
Si	28		32291357.692	ug/L	
P	31	11091.376730	5267216.524	ug/L	62.624
S	32		102683967.450	ug/L	
Cl	35		6059077.117	ug/L	
K	39	31805.453426	425584187.327	ug/L	172.731
Ca	44	41951.268721	18120692.083	ug/L	392.437
Sc	45		249254.159	ug/L	
Ti	47	27.985076	32838.198	ug/L	0.374
Ti	48	34.037405	421528.552	ug/L	1.922
V	51	867.206909	13714488.348	ug/L	20.724
ClO	51		13981789.533	ug/L	
Cr	52	842.495893	11079187.068	ug/L	22.503
Cr	53	850.726173	1327710.891	ug/L	25.578
Fe	54	21696.102754	20102980.489	ug/L	447.431
Mn	55	3570.561209	70987687.588	ug/L	66.222
Fe	56	22232.044013	348267746.677	ug/L	277.710
Fe	57	22103.905620	8368615.836	ug/L	324.632
Co	59	831.225736	11865543.969	ug/L	7.269
Ni	60	809.110377	2455279.994	ug/L	4.687
Ni	62	839.884674	377467.831	ug/L	9.052
Cu	63	776.248532	5309814.851	ug/L	3.657
Zn	64	843.497567	2737831.648	ug/L	0.807
Cu	65	770.405781	2574121.835	ug/L	2.149
Zn	66	871.486918	1669086.710	ug/L	2.104
Zn	68	889.383684	1185321.631	ug/L	15.605
Ge	72		177993.623	ug/L	
As	75	1127.856130	2112784.234	ug/L	2.902
ArCl	77		177875.806	ug/L	
Se	78	1248.447405	583695.590	ug/L	19.501
Br	79		437905.429	ug/L	

Br	81		489968.076	ug/L	
Se	82	1173.421124	248237.572	ug/L	9.174
Y	89		435307.286	ug/L	
Mo	95	1023.669510	4468540.645	ug/L	17.525
Rh	103		372592.297	ug/L	
Ag	107	779.712049	8569481.377	ug/L	5.989
Ag	109	778.941054	8130404.347	ug/L	1.096
Cd	111	984.688551	2711398.699	ug/L	6.829
Cd	114	997.173464	6416746.445	ug/L	2.641
In	115		461101.936	ug/L	
Sb	121	1022.276729	9144855.272	ug/L	20.736
Sb	123	1020.196923	7105271.635	ug/L	23.830
Ba	137	1191.761088	5311927.358	ug/L	5.322
Ba	138	1196.654614	34297554.126	ug/L	2.227
Tb	159		521999.080	ug/L	
Ho	165		498480.632	ug/L	
Hg	200	1.025519	1949.895	ug/L	0.007
Hg	202	0.984139	2457.690	ug/L	0.013
Tl	205	947.701342	24205731.713	ug/L	6.866
Pb	208	929.662475	32794405.186	ug/L	4.778
Bi	209		365119.915	ug/L	
Se	77	1054.572173	177674.548	ug/L	2.385

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		92.058
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	84.506
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	80.614
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	86.311
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.04 MSD
Sample Date/Time: Wednesday, August 25, 2010 03:11:50
Autosampler Position: 98
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.04 MSD.46919

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		30659.623	ug/L	
Be	9	949.025977	403114.852	ug/L	3.465
B	10	256.135203	31118.495	ug/L	3.512
B	11	274.453975	166931.303	ug/L	2.637
C	12		18301470.914	ug/L	
Na	23	S	S	ug/L	S
Mg	24	32388.468035	165505266.823	ug/L	326.600
Mg	25	32127.131677	23168674.181	ug/L	409.542
Al	27	10558.273475	86757664.568	ug/L	140.005
Si	28		31532255.929	ug/L	
P	31	10917.967066	5088425.434	ug/L	99.881
S	32		98190973.061	ug/L	
Cl	35		5903300.843	ug/L	
K	39	31690.858168	416162734.053	ug/L	90.632
Ca	44	42090.180345	17842833.429	ug/L	223.726
Sc	45		244605.911	ug/L	
Ti	47	26.954630	31052.588	ug/L	0.107
Ti	48	34.340215	417695.911	ug/L	1.688
V	51	864.228195	13416039.150	ug/L	2.237
ClO	51		13697236.435	ug/L	
Cr	52	831.863808	10738200.004	ug/L	3.503
Cr	53	840.857123	1288262.214	ug/L	9.514
Fe	54	21662.296245	19701860.187	ug/L	56.502
Mn	55	3585.983181	69977263.603	ug/L	7.127
Fe	56	22369.114623	343893686.273	ug/L	98.887
Fe	57	22199.597218	8249039.042	ug/L	127.347
Co	59	833.370812	11675261.400	ug/L	1.345
Ni	60	809.391424	2410483.630	ug/L	0.783
Ni	62	841.305071	371096.394	ug/L	0.302
Cu	63	772.364171	5185016.822	ug/L	1.353
Zn	64	852.011189	2713961.503	ug/L	3.367
Cu	65	778.935935	2554215.642	ug/L	3.361
Zn	66	883.002041	1659724.203	ug/L	9.303
Zn	68	894.434842	1170104.818	ug/L	11.303
Ge	72		175314.823	ug/L	
As	75	1125.907906	2077197.718	ug/L	7.744
ArCl	77		174870.040	ug/L	
Se	78	1246.058411	573714.872	ug/L	24.978
Br	79		430270.804	ug/L	

Br	81		479584.765	ug/L	
Se	82	1159.807412	241586.256	ug/L	30.709
Y	89		424566.618	ug/L	
Mo	95	1023.121467	4397826.824	ug/L	23.794
Rh	103		362617.353	ug/L	
Ag	107	746.877643	8016977.558	ug/L	6.568
Ag	109	746.221436	7607521.653	ug/L	1.031
Cd	111	990.352965	2663345.039	ug/L	7.273
Cd	114	1002.453629	6300388.969	ug/L	3.446
In	115		450370.525	ug/L	
Sb	121	1024.529115	8953795.819	ug/L	27.849
Sb	123	1026.233143	6982798.351	ug/L	31.317
Ba	137	1202.751241	5235642.649	ug/L	12.596
Ba	138	1207.797969	33807357.620	ug/L	15.507
Tb	159		515776.415	ug/L	
Ho	165		491266.133	ug/L	
Hg	200	1.025106	1920.889	ug/L	0.008
Hg	202	1.038490	2555.051	ug/L	0.005
Tl	205	962.669278	24231757.252	ug/L	1.039
Pb	208	949.592833	33012584.267	ug/L	3.264
Bi	209		363682.591	ug/L	
Se	77	1038.556658	174988.811	ug/L	20.167

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		90.342
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 83.234
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 78.738
Sb
Sb
Ba
Ba
Tb
Ho 85.062
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.18
Sample Date/Time: Wednesday, August 25, 2010 05:31:34
Autosampler Position: 115
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.18.46940

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		31588.119	ug/L	
Be	9	0.044455	27.000	ug/L	0.007
B	10	265.239661	32605.405	ug/L	5.522
B	11	286.782915	176457.168	ug/L	0.331
C	12		13283833.093	ug/L	
Na	23	86742.865627	671724327.022	ug/L	178.773
Mg	24	22829.050029	118035600.575	ug/L	39.738
Mg	25	22662.400055	16537276.032	ug/L	64.624
Al	27	0.977956	12269.520	ug/L	0.073
Si	28		33140151.594	ug/L	
P	31	515.863688	255384.655	ug/L	8.117
S	32		89614855.859	ug/L	
Cl	35		3466891.110	ug/L	
K	39	22512.228695	299397358.389	ug/L	307.058
Ca	44	32687.355582	14024099.196	ug/L	352.960
Sc	45		247488.117	ug/L	
Ti	47	2.704472	3394.334	ug/L	0.037
Ti	48	30.211072	371681.066	ug/L	0.048
V	51	-0.907550	13790.590	ug/L	0.016
ClO	51		14072.692	ug/L	
Cr	52	-0.067541	10548.866	ug/L	0.043
Cr	53	-3.229793	4481.483	ug/L	0.028
Fe	54	12338.920862	11389892.224	ug/L	125.518
Mn	55	2806.835638	55423363.197	ug/L	19.131
Fe	56	12727.364227	199557763.175	ug/L	89.685
Fe	57	12774.700123	4808781.201	ug/L	9.152
Co	59	3.407828	48618.478	ug/L	0.058
Ni	60	11.437276	34595.715	ug/L	0.171
Ni	62	10.546921	4771.300	ug/L	0.024
Cu	63	1.168021	8339.908	ug/L	0.005
Zn	64	0.377275	2514.794	ug/L	0.017
Cu	65	0.158782	649.030	ug/L	0.012
Zn	66	0.027463	767.374	ug/L	0.035
Zn	68	4.672616	6800.278	ug/L	0.047
Ge	72		170601.927	ug/L	
As	75	16.756638	29885.656	ug/L	0.070
ArCl	77		448.016	ug/L	
Se	78	-0.395592	12241.790	ug/L	0.140
Br	79		457409.055	ug/L	

Br	81		514157.937	ug/L	
Se	82	7.632802	1347.495	ug/L	0.144
Y	89		428573.540	ug/L	
Mo	95	26.787302	112139.564	ug/L	0.730
Rh	103		361028.108	ug/L	
Ag	107	-0.006604	157.670	ug/L	0.003
Ag	109	-0.010461	136.336	ug/L	0.003
Cd	111	0.085215	293.341	ug/L	0.006
Cd	114	0.007535	547.022	ug/L	0.007
In	115		451613.026	ug/L	
Sb	121	0.204473	2135.273	ug/L	0.013
Sb	123	0.200492	1635.723	ug/L	0.010
Ba	137	180.345373	787315.478	ug/L	2.243
Ba	138	174.190477	4889936.603	ug/L	1.478
Tb	159		523634.456	ug/L	
Ho	165		506081.039	ug/L	
Hg	200	0.061115	128.669	ug/L	0.012
Hg	202	0.049291	138.002	ug/L	0.003
Tl	205	0.045462	1592.489	ug/L	0.002
Pb	208	-0.047939	888.359	ug/L	0.000
Bi	209		350396.913	ug/L	
Se	77	-2.206552	457.016	ug/L	0.160

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		91.406
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	80.996
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	78.955
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	87.627
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.19
Sample Date/Time: Wednesday, August 25, 2010 05:38:11
Autosampler Position: 116
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.19.46941

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		14796.041	ug/L	
Be	9	0.014665	13.667	ug/L	0.001
B	10	347.890503	41046.536	ug/L	2.665
B	11	373.771762	220766.958	ug/L	5.103
C	12		15376764.676	ug/L	
Na	23	S	S	ug/L	S
Mg	24	17541.982950	87124655.428	ug/L	202.213
Mg	25	17343.050430	12155785.561	ug/L	293.143
Al	27	4.264537	38019.814	ug/L	0.173
Si	28		25969155.692	ug/L	
P	31	76.550966	46771.342	ug/L	0.949
S	32		93005206.607	ug/L	
Cl	35		2758390.369	ug/L	
K	39	8582.052105	110123083.973	ug/L	33.776
Ca	44	38072.337397	15688736.399	ug/L	16.471
Sc	45		237751.861	ug/L	
Ti	47	1.375372	1784.860	ug/L	0.088
Ti	48	34.888351	412210.089	ug/L	1.688
V	51	-0.642918	17230.488	ug/L	0.037
ClO	51		17518.706	ug/L	
Cr	52	0.006640	11061.235	ug/L	0.074
Cr	53	-3.338767	4143.319	ug/L	0.030
Fe	54	3937.979500	3543866.630	ug/L	37.205
Mn	55	3567.345374	67662301.608	ug/L	8.716
Fe	56	4054.983698	63458846.815	ug/L	8.419
Fe	57	4113.455741	1496459.842	ug/L	14.107
Co	59	4.789879	65529.663	ug/L	0.026
Ni	60	7.393679	21533.020	ug/L	0.091
Ni	62	6.475964	2838.471	ug/L	0.046
Cu	63	1.683318	11372.556	ug/L	0.030
Zn	64	0.796300	3711.749	ug/L	0.012
Cu	65	0.362798	1272.769	ug/L	0.021
Zn	66	0.492968	1586.154	ug/L	0.032
Zn	68	1.804243	2886.154	ug/L	0.086
Ge	72		163495.917	ug/L	
As	75	32.749834	56155.052	ug/L	0.590
ArCl	77		385.012	ug/L	
Se	78	1.120316	12367.062	ug/L	0.524
Br	79		238343.416	ug/L	

Br	81		281564.013	ug/L	
Se	82	4.403249	663.097	ug/L	0.052
Y	89		434902.812	ug/L	
Mo	95	20.582639	82546.537	ug/L	1.143
Rh	103		361601.261	ug/L	
Ag	107	-0.008487	137.669	ug/L	0.000
Ag	109	-0.014659	93.668	ug/L	0.001
Cd	111	0.064231	236.672	ug/L	0.003
Cd	114	-0.015271	403.680	ug/L	0.000
In	115		451741.809	ug/L	
Sb	121	0.166931	1806.865	ug/L	0.013
Sb	123	0.171271	1436.990	ug/L	0.015
Ba	137	44.379505	193868.289	ug/L	0.648
Ba	138	44.164581	1240492.089	ug/L	0.594
Tb	159		524012.711	ug/L	
Ho	165		502795.445	ug/L	
Hg	200	0.001404	14.000	ug/L	0.001
Hg	202	0.002271	19.334	ug/L	0.001
Tl	205	0.022441	989.064	ug/L	0.000
Pb	208	-0.024423	1719.081	ug/L	0.002
Bi	209		346349.124	ug/L	
Se	77	-2.532558	402.346	ug/L	0.160

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		87.810
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 77.623
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 78.978
Sb
Sb
Ba
Ba
Tb
> Ho 87.058
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.20
Sample Date/Time: Wednesday, August 25, 2010 05:44:44
Autosampler Position: 117
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.20.46942

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		15545.283	ug/L	
Be	9	0.027314	20.000	ug/L	0.003
B	10	252.976069	31647.983	ug/L	0.537
B	11	273.224497	171121.453	ug/L	0.540
C	12		11904091.700	ug/L	
Na	23	S	S	ug/L	S
Mg	24	12529.462203	65927094.053	ug/L	159.641
Mg	25	12429.936433	9231332.874	ug/L	26.844
Al	27	13.645147	119664.393	ug/L	0.015
Si	28		32980455.834	ug/L	
P	31	221.096901	118769.599	ug/L	3.464
S	32		91584021.471	ug/L	
Cl	35		2257878.011	ug/L	
K	39	7283.858068	99152080.984	ug/L	18.099
Ca	44	23375.370262	10209337.498	ug/L	198.814
Sc	45		251879.425	ug/L	
Ti	47	1.833981	2430.683	ug/L	0.052
Ti	48	23.299750	291643.894	ug/L	0.292
V	51	-0.958315	13227.415	ug/L	0.004
ClO	51		13450.078	ug/L	
Cr	52	-0.062670	10793.734	ug/L	0.122
Cr	53	-3.915541	3486.370	ug/L	0.012
Fe	54	6837.018294	6458821.076	ug/L	6.348
Mn	55	391.834686	7877210.637	ug/L	2.454
Fe	56	7012.440027	113553405.755	ug/L	42.036
Fe	57	7160.422919	2749279.089	ug/L	44.271
Co	59	0.109510	1907.553	ug/L	0.000
Ni	60	5.149333	15931.440	ug/L	0.045
Ni	62	4.581325	2146.942	ug/L	0.015
Cu	63	1.376417	9927.851	ug/L	0.016
Zn	64	0.326373	2392.256	ug/L	0.011
Cu	65	0.212824	843.048	ug/L	0.017
Zn	66	0.061962	847.048	ug/L	0.002
Zn	68	2.273878	3691.453	ug/L	0.056
Ge	72		172157.527	ug/L	
As	75	3.505367	6146.316	ug/L	0.025
ArCl	77		364.344	ug/L	
Se	78	0.236930	12633.045	ug/L	0.149
Br	79		195699.681	ug/L	

Br	81		237063.687	ug/L	
Se	82	3.662169	546.643	ug/L	0.131
Y	89		442340.908	ug/L	
Mo	95	2.544858	10797.527	ug/L	0.130
Rh	103		367256.871	ug/L	
Ag	107	-0.009679	127.669	ug/L	0.001
Ag	109	-0.013392	109.002	ug/L	0.002
Cd	111	-0.000209	64.334	ug/L	0.005
Cd	114	-0.052839	170.670	ug/L	0.001
In	115		462067.854	ug/L	
Sb	121	0.104594	1288.771	ug/L	0.006
Sb	123	0.102305	988.004	ug/L	0.012
Ba	137	76.397888	341326.420	ug/L	0.307
Ba	138	73.523600	2112171.495	ug/L	0.411
Tb	159		528734.733	ug/L	
Ho	165		507102.311	ug/L	
Hg	200	0.016771	43.667	ug/L	0.000
Hg	202	0.015137	52.001	ug/L	0.001
Tl	205	0.012070	728.037	ug/L	0.002
Pb	208	-0.044839	1001.365	ug/L	0.000
Bi	209		352946.298	ug/L	
Se	77	-2.763146	363.678	ug/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		93.028
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	81.735
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	80.783
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	87.804
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.21
Sample Date/Time: Wednesday, August 25, 2010 06:19:26
Autosampler Position: 118
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.21.46947

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16868.970	ug/L	
Be	9	0.002195	9.000	ug/L	0.003
B	10	8.330696	1124.414	ug/L	0.212
B	11	9.309641	6286.236	ug/L	0.151
C	12		3862260.328	ug/L	
Na	23	16828.737226	132301268.081	ug/L	303.088
Mg	24	4620.831782	24253479.850	ug/L	73.176
Mg	25	4603.738196	3410217.622	ug/L	92.975
Al	27	31.398776	269178.256	ug/L	0.907
Si	28		22258963.791	ug/L	
P	31	5.411605	15454.684	ug/L	1.565
S	32		96807656.494	ug/L	
Cl	35		429648.894	ug/L	
K	39	2743.046567	37769378.951	ug/L	36.750
Ca	44	20564.525206	8958937.108	ug/L	362.403
Sc	45		251221.193	ug/L	
Ti	47	0.795087	1206.092	ug/L	0.017
Ti	48	23.219820	289903.143	ug/L	0.947
V	51	-0.991805	12660.603	ug/L	0.005
ClO	51		12849.203	ug/L	
Cr	52	-0.076211	10598.430	ug/L	0.016
Cr	53	-4.764600	2150.943	ug/L	0.055
Fe	54	-13.729210	68516.158	ug/L	0.639
Mn	55	27.600044	557427.594	ug/L	0.276
Fe	56	17.842495	3974626.440	ug/L	4.179
Fe	57	99.991173	52090.674	ug/L	0.289
Co	59	0.042730	941.725	ug/L	0.000
Ni	60	0.961665	3082.887	ug/L	0.009
Ni	62	0.356520	227.672	ug/L	0.000
Cu	63	1.028164	7501.836	ug/L	0.003
Zn	64	0.627707	3371.169	ug/L	0.047
Cu	65	0.870431	3054.877	ug/L	0.030
Zn	66	0.202847	1116.747	ug/L	0.031
Zn	68	0.549774	1366.116	ug/L	0.010
Ge	72		183618.513	ug/L	
As	75	6.894025	13103.754	ug/L	0.148
ArCl	77		267.340	ug/L	
Se	78	-0.087238	13320.659	ug/L	0.726
Br	79		29860.268	ug/L	

Br	81		62257.429	ug/L	
Se	82	1.315827	70.411	ug/L	0.023
Y	89		478739.803	ug/L	
Mo	95	2.447829	11075.860	ug/L	0.118
Rh	103		399235.740	ug/L	
Ag	107	0.108308	1534.480	ug/L	0.024
Ag	109	0.103544	1432.462	ug/L	0.018
Cd	111	0.007249	91.335	ug/L	0.001
Cd	114	-0.051813	190.671	ug/L	0.003
In	115		497060.684	ug/L	
Sb	121	0.118808	1523.476	ug/L	0.004
Sb	123	0.122474	1214.330	ug/L	0.010
Ba	137	7.352760	35432.604	ug/L	0.007
Ba	138	7.300828	226105.416	ug/L	0.033
Tb	159		556772.882	ug/L	
Ho	165		534324.331	ug/L	
Hg	200	0.110675	236.339	ug/L	0.004
Hg	202	0.085836	243.006	ug/L	0.001
Tl	205	0.019017	957.060	ug/L	0.002
Pb	208	-0.036677	1363.388	ug/L	0.002
Bi	209		396964.901	ug/L	
Se	77	-3.339611	267.007	ug/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		92.785
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	87.176
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
=	Mo	
=	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.901
	Sb	
	Sb	
	Ba	
=	Ba	
=	Tb	
>	Ho	92.518
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	

Sample ID: 92049.24
Sample Date/Time: Wednesday, August 25, 2010 06:25:56
Autosampler Position: 119
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.24.46948

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16931.755	ug/L	
Be	9	-0.001570	6.667	ug/L	0.002
B	10	0.919684	183.337	ug/L	0.047
B	11	1.147616	1089.743	ug/L	0.080
C	12		964887.028	ug/L	
Na	23	245.514218	1768522.394	ug/L	1.772
Mg	24	7.308946	35730.311	ug/L	0.038
Mg	25	7.166566	4968.523	ug/L	0.379
Al	27	0.358707	6546.344	ug/L	0.001
Si	28		439314.030	ug/L	
P	31	-11.519875	6679.791	ug/L	0.870
S	32		92517370.330	ug/L	
Cl	35		82702.719	ug/L	
K	39	30.400791	1137701.019	ug/L	0.735
Ca	44	58.638755	32216.869	ug/L	0.424
Sc	45		227698.978	ug/L	
Ti	47	-0.110180	130.669	ug/L	0.002
Ti	48	0.072502	575.280	ug/L	0.001
V	51	-1.402991	5545.413	ug/L	0.008
ClO	51		5646.143	ug/L	
Cr	52	0.000124	10522.466	ug/L	0.006
Cr	53	-4.961172	1671.171	ug/L	0.067
Fe	54	-46.909048	34123.474	ug/L	0.316
Mn	55	0.016610	4194.676	ug/L	0.004
Fe	56	7.305166	3453214.431	ug/L	0.107
Fe	57	1.027681	13037.311	ug/L	0.048
Co	59	0.003786	345.677	ug/L	0.001
Ni	60	0.727338	2144.608	ug/L	0.020
Ni	62	0.780286	380.345	ug/L	0.048
Cu	63	2.496363	15973.514	ug/L	0.021
Zn	64	1.574739	5862.266	ug/L	0.030
Cu	65	2.556019	7913.856	ug/L	0.039
Zn	66	1.610103	3473.365	ug/L	0.053
Zn	68	1.566205	2475.362	ug/L	0.081
Ge	72		185372.372	ug/L	
As	75	0.037984	-147.342	ug/L	0.000
ArCl	77		212.005	ug/L	
Se	78	0.440433	13698.312	ug/L	0.528
Br	79		2661.750	ug/L	

Br	81		33388.540	ug/L	
Se	82	0.767572	-49.996	ug/L	0.137
Y	89		475456.390	ug/L	
Mo	95	0.017898	135.669	ug/L	0.001
Rh	103		417361.594	ug/L	
Ag	107	0.256074	3313.973	ug/L	0.023
Ag	109	0.250148	3108.898	ug/L	0.023
Cd	111	-0.007046	49.334	ug/L	0.003
Cd	114	-0.062774	115.669	ug/L	0.001
In	115		501189.113	ug/L	
Sb	121	0.130055	1645.165	ug/L	0.007
Sb	123	0.131009	1288.553	ug/L	0.012
Ba	137	0.020488	205.004	ug/L	0.001
Ba	138	0.022674	1253.567	ug/L	0.000
Tb	159		557469.325	ug/L	
Ho	165		532210.523	ug/L	
Hg	200	0.001005	14.000	ug/L	0.001
Hg	202	-0.000553	13.000	ug/L	0.002
Tl	205	0.013597	806.044	ug/L	0.001
Pb	208	-0.047944	934.028	ug/L	0.000
Bi	209		408692.398	ug/L	
Se	77	-3.659647	213.338	ug/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		84.097
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 88.009
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 87.623
Sb
Sb
Ba
Ba
Tb
Ho 92.152
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.25
Sample Date/Time: Wednesday, August 25, 2010 06:32:27
Autosampler Position: 120
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.25.46949

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16974.504	ug/L	
Be	9	0.009177	11.000	ug/L	0.008
B	10	0.937788	187.004	ug/L	0.118
B	11	0.958814	991.397	ug/L	0.075
C	12		909700.291	ug/L	
Na	23	225.411100	1639232.046	ug/L	0.348
Mg	24	10.286738	50327.341	ug/L	0.261
Mg	25	9.890796	6856.608	ug/L	0.564
Al	27	1.575209	15985.646	ug/L	0.076
Si	28		592023.138	ug/L	
P	31	-15.042953	5198.674	ug/L	0.647
S	32		93074261.058	ug/L	
Cl	35		71910.534	ug/L	
K	39	9.814482	894150.518	ug/L	0.552
Ca	44	51.170683	29520.802	ug/L	0.952
Sc	45		229649.856	ug/L	
Ti	47	-0.070744	174.003	ug/L	0.021
Ti	48	0.076981	631.565	ug/L	0.005
V	51	-1.415714	5408.664	ug/L	0.015
ClO	51		5574.432	ug/L	
Cr	52	0.008102	10708.503	ug/L	0.021
Cr	53	-5.061602	1542.146	ug/L	0.004
Fe	54	-48.086661	33413.304	ug/L	0.288
Mn	55	-0.036213	3262.951	ug/L	0.000
Fe	56	6.492654	3471162.269	ug/L	0.717
Fe	57	-1.221134	12366.309	ug/L	0.496
Co	59	-0.009797	170.003	ug/L	0.000
Ni	60	-0.014241	89.668	ug/L	0.001
Ni	62	-0.015718	54.001	ug/L	0.004
Cu	63	0.046101	668.365	ug/L	0.010
Zn	64	-0.133819	805.211	ug/L	0.011
Cu	65	0.046628	256.673	ug/L	0.004
Zn	66	-0.112635	464.350	ug/L	0.001
Zn	68	-0.148757	391.346	ug/L	0.004
Ge	72		187231.810	ug/L	
As	75	0.028285	-168.633	ug/L	0.025
ArCl	77		212.671	ug/L	
Se	78	0.000198	13620.770	ug/L	0.725
Br	79		896.053	ug/L	

Br	81		31909.557	ug/L	
Se	82	0.720611	-60.689	ug/L	0.023
Y	89		480818.368	ug/L	
Mo	95	0.009031	96.335	ug/L	0.001
Rh	103		415256.470	ug/L	
Ag	107	0.210602	2811.132	ug/L	0.027
Ag	109	0.210987	2703.431	ug/L	0.025
Cd	111	-0.007497	48.667	ug/L	0.004
Cd	114	-0.058599	147.003	ug/L	0.001
In	115		508656.279	ug/L	
Sb	121	0.016937	553.689	ug/L	0.004
Sb	123	0.017222	433.882	ug/L	0.002
Ba	137	0.080415	502.686	ug/L	0.005
Ba	138	0.086139	3278.765	ug/L	0.003
Tb	159		557511.815	ug/L	
Ho	165		530988.935	ug/L	
Hg	200	0.000684	13.333	ug/L	0.000
Hg	202	-0.000402	13.333	ug/L	0.001
Tl	205	0.010166	710.368	ug/L	0.002
Pb	208	-0.050742	826.690	ug/L	0.001
Bi	209		400572.291	ug/L	
Se	77	-3.703378	206.004	ug/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		84.818
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	88.892
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.928
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	91.940
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.01
Sample Date/Time: Wednesday, August 25, 2010 10:49:33
Autosampler Position: 145
Sample Description: AqTot 1:1
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.01.46986

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18104.677	ug/L	
Be	9	0.009183	12.667	ug/L	0.006
B	10	162.012956	21273.090	ug/L	6.765
B	11	168.861362	111027.202	ug/L	5.315
C	12		720583.083	ug/L	
Na	23	17123.955944	141450388.416	ug/L	498.818
Mg	24	10805.797295	59593408.215	ug/L	229.355
Mg	25	10755.840414	8371284.773	ug/L	306.221
Al	27	76.967528	686916.893	ug/L	2.695
Si	28		27152654.405	ug/L	
P	31	324.003304	176093.354	ug/L	6.035
S	32		96192849.131	ug/L	
Cl	35		10603501.420	ug/L	
K	39	15981.494888	226926661.170	ug/L	393.002
Ca	44	33079.504843	15135861.821	ug/L	806.751
Sc	45		263987.444	ug/L	
Ti	47	6.621559	8448.678	ug/L	0.276
Ti	48	39.293070	515677.469	ug/L	1.263
V	51	0.155630	32485.280	ug/L	0.058
ClO	51		33264.430	ug/L	
Cr	52	0.413001	17945.204	ug/L	0.010
Cr	53	-0.411521	9405.958	ug/L	0.067
Fe	54	12185.973914	11997730.062	ug/L	313.805
Mn	55	601.332273	12667249.371	ug/L	16.090
Fe	56	12487.425298	208900390.347	ug/L	183.015
Fe	57	12579.042688	5050724.628	ug/L	326.282
Co	59	2.215575	33841.543	ug/L	0.007
Ni	60	5.699018	18464.918	ug/L	0.014
Ni	62	4.720911	2316.318	ug/L	0.170
Cu	63	1.635619	12283.416	ug/L	0.017
Zn	64	3.295427	12706.902	ug/L	0.213
Cu	65	1.473917	5345.625	ug/L	0.011
Zn	66	2.911626	6664.845	ug/L	0.175
Zn	68	3.960463	6247.543	ug/L	0.158
Ge	72		183535.519	ug/L	
As	75	31.480558	60595.574	ug/L	0.387
ArCl	77		855.382	ug/L	
Se	78	-1.002648	12884.068	ug/L	0.220
Br	79		105677.418	ug/L	

Br	81		144300.919	ug/L	
Se	82	2.387693	304.387	ug/L	0.054
Y	89		473985.549	ug/L	
Mo	95	0.467316	2157.278	ug/L	0.004
Rh	103		392121.059	ug/L	
Ag	107	0.203763	2646.746	ug/L	0.019
Ag	109	0.205710	2563.721	ug/L	0.015
Cd	111	0.031798	163.003	ug/L	0.004
Cd	114	-0.011824	464.683	ug/L	0.002
In	115		493436.208	ug/L	
Sb	121	0.073760	1081.075	ug/L	0.006
Sb	123	0.075157	852.661	ug/L	0.002
Ba	137	34.320940	163803.518	ug/L	0.023
Ba	138	34.257922	1051249.584	ug/L	0.092
Tb	159		558542.973	ug/L	
Ho	165		534097.693	ug/L	
Hg	200	0.003442	19.000	ug/L	0.002
Hg	202	0.002445	21.000	ug/L	0.001
Tl	205	-0.005097	297.008	ug/L	0.001
Pb	208	0.154003	8569.674	ug/L	0.003
Bi	209		421104.214	ug/L	
Se	77	0.129215	848.715	ug/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		97.500
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 87.137
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 86.267
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 92.478
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 92049.02
Sample Date/Time: Wednesday, August 25, 2010 10:56:06
Autosampler Position: 146
Sample Description: AqTot 1:1
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.02.46987

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17292.431	ug/L	
Be	9	0.003709	9.667	ug/L	0.010
B	10	166.990682	20892.860	ug/L	3.585
B	11	176.619629	110641.462	ug/L	4.252
C	12		840610.415	ug/L	
Na	23	29981.092463	235988798.268	ug/L	291.406
Mg	24	13430.765554	70583922.075	ug/L	115.197
Mg	25	13325.962189	9883742.167	ug/L	34.646
Al	27	23.516705	202926.742	ug/L	0.341
Si	28		18842288.048	ug/L	
P	31	24.947240	24816.304	ug/L	0.001
S	32		91973844.980	ug/L	
Cl	35		11442729.524	ug/L	
K	39	10073.271100	136615847.665	ug/L	142.855
Ca	44	34104.821424	14870285.219	ug/L	549.289
Sc	45		251552.853	ug/L	
Ti	47	1.585631	2136.272	ug/L	0.007
Ti	48	34.812241	435358.597	ug/L	0.077
V	51	0.787173	41018.079	ug/L	0.041
ClO	51		41793.624	ug/L	
Cr	52	0.564466	19108.582	ug/L	0.019
Cr	53	0.331014	10124.403	ug/L	0.144
Fe	54	27355.783951	25564215.807	ug/L	604.590
Mn	55	738.546990	14824513.803	ug/L	16.886
Fe	56	28247.826733	445632286.806	ug/L	448.510
Fe	57	27899.596650	10658043.607	ug/L	347.692
Co	59	0.958172	14131.784	ug/L	0.012
Ni	60	3.843055	11910.919	ug/L	0.101
Ni	62	2.863886	1365.116	ug/L	0.094
Cu	63	1.298597	9378.596	ug/L	0.001
Zn	64	2.805458	10505.728	ug/L	0.047
Cu	65	0.952493	3335.645	ug/L	0.010
Zn	66	2.664843	5874.956	ug/L	0.014
Zn	68	4.297303	6406.654	ug/L	0.040
Ge	72		187417.522	ug/L	
As	75	61.445060	120985.234	ug/L	0.029
ArCl	77		910.055	ug/L	
Se	78	-1.104863	13106.954	ug/L	0.390
Br	79		208211.045	ug/L	

Br	81		252228.426	ug/L	
Se	82	3.677181	598.381	ug/L	0.177
Y	89		479381.346	ug/L	
Mo	95	0.407564	1928.224	ug/L	0.001
Rh	103		391337.624	ug/L	
Ag	107	0.205084	2627.073	ug/L	0.012
Ag	109	0.201587	2484.365	ug/L	0.013
Cd	111	-0.008497	43.667	ug/L	0.003
Cd	114	-0.060471	128.002	ug/L	0.001
In	115		486995.959	ug/L	
Sb	121	0.103217	1345.113	ug/L	0.005
Sb	123	0.103221	1047.890	ug/L	0.004
Ba	137	58.579754	275852.525	ug/L	0.803
Ba	138	58.087562	1758798.481	ug/L	0.772
Tb	159		550165.371	ug/L	
Ho	165		527339.869	ug/L	
Hg	200	0.002565	17.000	ug/L	0.000
Hg	202	0.001662	18.667	ug/L	0.001
Tl	205	-0.004402	312.008	ug/L	0.001
Pb	208	0.032925	3943.042	ug/L	0.001
Bi	209		404287.809	ug/L	
Se	77	0.612284	929.724	ug/L	0.143

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		92.907
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 88.980
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 85.141
Sb
Sb
Ba
Ba
Tb
Ho 91.308
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.06
Sample Date/Time: Wednesday, August 25, 2010 11:02:35
Autosampler Position: 147
Sample Description: AqTot 1:1
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.06.46988

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17144.152	ug/L	
Be	9	-0.000830	7.333	ug/L	0.002
B	10	154.122568	18396.117	ug/L	3.851
B	11	165.901953	99141.752	ug/L	3.101
C	12		820582.254	ug/L	
Na	23	35831.638167	268966135.879	ug/L	440.713
Mg	24	9612.194433	48175185.686	ug/L	153.767
Mg	25	9565.340254	6765754.561	ug/L	168.577
Al	27	16.516429	137109.906	ug/L	0.211
Si	28		12709143.678	ug/L	
P	31	121.669046	67768.408	ug/L	0.884
S	32		97778873.923	ug/L	
Cl	35		11158232.666	ug/L	
K	39	6862.958187	89021511.739	ug/L	40.595
Ca	44	32150.678169	13369287.229	ug/L	301.865
Sc	45		239891.931	ug/L	
Ti	47	1.460909	1897.550	ug/L	0.019
Ti	48	33.515429	399704.158	ug/L	1.155
V	51	0.226701	30602.400	ug/L	0.030
ClO	51		30938.203	ug/L	
Cr	52	0.112390	12505.784	ug/L	0.004
Cr	53	0.051503	9238.452	ug/L	0.118
Fe	54	17734.391106	15832511.082	ug/L	239.501
Mn	55	1363.940130	26106045.675	ug/L	19.311
Fe	56	18371.910818	277637162.447	ug/L	289.141
Fe	57	18237.959425	6648959.042	ug/L	299.112
Co	59	1.750479	24362.847	ug/L	0.021
Ni	60	4.322375	12759.075	ug/L	0.026
Ni	62	3.241292	1465.133	ug/L	0.069
Cu	63	0.660528	4743.285	ug/L	0.002
Zn	64	3.660804	12689.727	ug/L	0.054
Cu	65	0.230199	858.382	ug/L	0.001
Zn	66	3.559057	7250.296	ug/L	0.056
Zn	68	4.459894	6318.259	ug/L	0.115
Ge	72		178887.129	ug/L	
As	75	9.919560	18464.314	ug/L	0.058
ArCl	77		910.055	ug/L	
Se	78	-0.338890	12860.388	ug/L	0.560
Br	79		158977.048	ug/L	

Br	81		201477.749	ug/L	
Se	82	3.148940	458.498	ug/L	0.106
Y	89		460840.439	ug/L	
Mo	95	0.236956	1092.410	ug/L	0.012
Rh	103		386862.814	ug/L	
Ag	107	0.135281	1811.866	ug/L	0.010
Ag	109	0.128471	1673.838	ug/L	0.009
Cd	111	0.002680	76.001	ug/L	0.002
Cd	114	-0.051763	186.670	ug/L	0.001
In	115		485656.457	ug/L	
Sb	121	0.055551	892.386	ug/L	0.002
Sb	123	0.060459	731.316	ug/L	0.004
Ba	137	33.903204	159258.449	ug/L	0.110
Ba	138	33.806666	1021042.319	ug/L	0.108
Tb	159		540031.281	ug/L	
Ho	165		517133.828	ug/L	
Hg	200	0.001200	14.000	ug/L	0.002
Hg	202	0.000509	15.333	ug/L	0.001
Tl	205	-0.005169	285.674	ug/L	0.000
Pb	208	0.114566	6854.081	ug/L	0.001
Bi	209		404167.550	ug/L	
Se	77	0.491019	909.388	ug/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		88.600
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 84.930
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 84.907
Sb
Sb
Ba
Ba
Tb
Ho 89.541
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.08
Sample Date/Time: Wednesday, August 25, 2010 11:09:05
Autosampler Position: 148
Sample Description: AqTot 1:1
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.08.46989

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17311.144	ug/L	
Be	9	0.004819	11.000	ug/L	0.005
B	10	47.598265	6521.737	ug/L	0.251
B	11	49.242325	33811.434	ug/L	0.225
C	12		680545.912	ug/L	
Na	23	7444.343294	63516910.017	ug/L	29.980
Mg	24	4738.298132	26985618.866	ug/L	41.282
Mg	25	4692.525440	3771778.373	ug/L	8.210
Al	27	4.778335	48309.505	ug/L	0.050
Si	28		36891908.145	ug/L	
P	31	90.108645	60657.764	ug/L	1.220
S	32		99084225.788	ug/L	
Cl	35		10496891.248	ug/L	
K	39	8151.088276	119974304.503	ug/L	2.694
Ca	44	19634.735263	9282388.782	ug/L	107.756
Sc	45		272601.495	ug/L	
Ti	47	1.718250	2484.365	ug/L	0.141
Ti	48	20.254266	274385.667	ug/L	0.434
V	51	-0.000684	30850.916	ug/L	0.033
ClO	51		31517.865	ug/L	
Cr	52	0.188898	15310.319	ug/L	0.004
Cr	53	-0.616788	9365.918	ug/L	0.143
Fe	54	21917.200533	22213819.703	ug/L	3.531
Mn	55	379.855516	8265397.170	ug/L	3.593
Fe	56	22381.340292	383483506.052	ug/L	300.336
Fe	57	22303.130522	9236513.307	ug/L	236.458
Co	59	2.696828	42460.356	ug/L	0.011
Ni	60	5.118629	17141.651	ug/L	0.030
Ni	62	4.496829	2281.976	ug/L	0.007
Cu	63	0.241790	2257.636	ug/L	0.006
Zn	64	2.461341	10164.495	ug/L	0.046
Cu	65	0.190582	830.713	ug/L	0.005
Zn	66	2.322910	5650.812	ug/L	0.026
Zn	68	2.871558	4865.350	ug/L	0.009
Ge	72		188010.978	ug/L	
As	75	119.677356	236605.581	ug/L	0.268
ArCl	77		759.039	ug/L	
Se	78	-1.691088	12865.548	ug/L	0.031
Br	79		31498.500	ug/L	

Br	81		64965.372	ug/L	
Se	82	1.388017	88.188	ug/L	0.071
Y	89		457259.776	ug/L	
Mo	95	0.241023	1166.420	ug/L	0.000
Rh	103		389694.038	ug/L	
Ag	107	0.131453	1786.527	ug/L	0.004
Ag	109	0.126004	1664.503	ug/L	0.005
Cd	111	-0.003711	58.001	ug/L	0.001
Cd	114	-0.059486	135.669	ug/L	0.001
In	115		490632.196	ug/L	
Sb	121	0.060327	946.725	ug/L	0.003
Sb	123	0.059908	735.153	ug/L	0.004
Ba	137	8.189216	38938.278	ug/L	0.058
Ba	138	8.216117	251032.867	ug/L	0.184
Tb	159		549372.294	ug/L	
Ho	165		527831.281	ug/L	
Hg	200	0.001725	15.333	ug/L	0.000
Hg	202	-0.000755	12.333	ug/L	0.000
Tl	205	-0.005773	275.340	ug/L	0.001
Pb	208	0.024489	3631.320	ug/L	0.003
Bi	209		412571.869	ug/L	
Se	77	-0.453245	751.039	ug/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		100.681
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 89.261
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 85.777
Sb
Sb
Ba
Ba
Tb
Ho 91.393
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.04
Sample Date/Time: Wednesday, August 25, 2010 08:56:18
Autosampler Position: 132
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.04.46969

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18326.454	ug/L	
Be	9	0.000018	7.667	ug/L	0.001
B	10	28.868392	3504.711	ug/L	0.217
B	11	31.462060	19128.630	ug/L	0.384
C	12		574888.489	ug/L	
Na	23	16279.523310	121893885.860	ug/L	315.562
Mg	24	3643.846971	18215530.073	ug/L	47.031
Mg	25	3615.641001	2550812.067	ug/L	5.593
Al	27	2.775326	26312.443	ug/L	0.999
Si	28		4671852.968	ug/L	
P	31	24.624760	23455.930	ug/L	2.543
S	32		92827001.575	ug/L	
Cl	35		10453924.662	ug/L	
K	39	1382.506112	18529646.510	ug/L	20.158
Ca	44	5400.139713	2247652.010	ug/L	82.246
Sc	45		239263.704	ug/L	
Ti	47	0.284617	578.358	ug/L	0.019
Ti	48	5.897672	69932.875	ug/L	0.341
V	51	-0.140696	24955.122	ug/L	0.011
ClO	51		25379.633	ug/L	
Cr	52	0.013398	11224.438	ug/L	0.003
Cr	53	-0.533121	8344.579	ug/L	0.112
Fe	54	902.957219	877489.941	ug/L	3.741
Mn	55	158.317812	3025939.327	ug/L	1.818
Fe	56	847.776445	16135610.567	ug/L	6.423
Fe	57	878.636493	332169.206	ug/L	7.127
Co	59	0.273958	4065.616	ug/L	0.005
Ni	60	1.355806	4084.291	ug/L	0.007
Ni	62	1.220074	589.358	ug/L	0.005
Cu	63	0.432878	3236.276	ug/L	0.020
Zn	64	0.816500	3798.666	ug/L	0.027
Cu	65	0.212074	798.043	ug/L	0.010
Zn	66	0.791090	2144.608	ug/L	0.016
Zn	68	1.065852	1961.232	ug/L	0.096
Ge	72		180860.038	ug/L	
As	75	1.467907	2578.696	ug/L	0.089
ArCl	77		744.371	ug/L	
Se	78	0.063244	13191.292	ug/L	0.055
Br	79		51597.588	ug/L	

Br	81		87230.489	ug/L	
Se	82	1.278900	61.408	ug/L	0.023
Y	89		475260.886	ug/L	
Mo	95	0.781990	3521.384	ug/L	0.019
Rh	103		406217.736	ug/L	
Ag	107	0.202281	2653.414	ug/L	0.003
Ag	109	0.198175	2502.369	ug/L	0.000
Cd	111	-0.010744	38.000	ug/L	0.002
Cd	114	-0.065882	93.335	ug/L	0.002
In	115		497990.833	ug/L	
Sb	121	0.052980	890.386	ug/L	0.007
Sb	123	0.051023	679.015	ug/L	0.000
Ba	137	11.347253	54728.132	ug/L	0.106
Ba	138	11.385178	352954.202	ug/L	0.045
Tb	159		567366.390	ug/L	
Ho	165		546222.017	ug/L	
Hg	200	-0.000467	11.333	ug/L	0.001
Hg	202	0.000925	17.334	ug/L	0.000
Tl	205	-0.005589	290.008	ug/L	0.000
Pb	208	0.057192	5021.929	ug/L	0.002
Bi	209		427226.502	ug/L	
Se	77	-0.409512	758.373	ug/L	0.104

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
-	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		88.368
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe	
Co	
Ni	
Ni	
Cu	
Zn	
Cu	
Zn	
Zn	
> Ge	85.866
As	
ArCl	
Se	
Br	
Br	
Se	
Y	
Mo	
= Rh	
Ag	
Ag	
Cd	
Cd	
> In	87.064
Sb	
Sb	
Ba	
Ba	
Tb	
> Ho	94.578
Hg	
Hg	
Tl	
Pb	
Bi	
Se	

Sample ID: 92049.07
Sample Date/Time: Wednesday, August 25, 2010 09:02:48
Autosampler Position: 133
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.07.46970

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17937.694	ug/L	
Be	9	0.005742	10.000	ug/L	0.005
B	10	24.979578	3029.868	ug/L	0.218
B	11	27.537286	16722.867	ug/L	0.072
C	12		504536.428	ug/L	
Na	23	10164.495030	75763867.366	ug/L	92.293
Mg	24	2008.920789	9996784.485	ug/L	20.737
Mg	25	2069.969040	1453732.744	ug/L	42.174
Al	27	0.806507	10430.361	ug/L	0.049
Si	28		3657620.822	ug/L	
P	31	44.331110	32270.397	ug/L	0.321
S	32		92267883.284	ug/L	
Cl	35		9834188.088	ug/L	
K	39	932.053638	12696041.000	ug/L	8.614
Ca	44	2555.357391	1063700.943	ug/L	22.068
Sc	45		238163.368	ug/L	
Ti	47	0.211144	494.018	ug/L	0.003
Ti	48	2.070273	24269.633	ug/L	0.071
V	51	-0.229872	23495.565	ug/L	0.031
ClO	51		23740.542	ug/L	
Cr	52	-0.009681	10882.942	ug/L	0.006
Cr	53	-0.801215	7909.186	ug/L	0.145
Fe	54	1654.237824	1536084.569	ug/L	24.453
Mn	55	40.686807	777094.644	ug/L	0.309
Fe	56	1562.820293	26653253.677	ug/L	29.631
Fe	57	1602.638810	592163.531	ug/L	19.176
Co	59	0.228834	3431.348	ug/L	0.002
Ni	60	0.903619	2754.445	ug/L	0.030
Ni	62	0.780854	398.013	ug/L	0.079
Cu	63	0.275294	2191.286	ug/L	0.002
Zn	64	0.866325	3935.667	ug/L	0.036
Cu	65	0.135753	550.689	ug/L	0.003
Zn	66	0.876642	2291.312	ug/L	0.055
Zn	68	1.077218	1966.566	ug/L	0.020
Ge	72		182580.585	ug/L	
As	75	1.136012	1965.147	ug/L	0.036
ArCl	77		693.033	ug/L	
Se	78	0.244896	13401.957	ug/L	0.046
Br	79		26580.755	ug/L	

Br	81		60155.672	ug/L	
Se	82	1.015524	4.841	ug/L	0.078
Y	89		480764.980	ug/L	
Mo	95	0.515309	2360.997	ug/L	0.006
Rh	103		411331.825	ug/L	
Ag	107	0.207260	2729.443	ug/L	0.038
Ag	109	0.209678	2648.418	ug/L	0.040
Cd	111	-0.007589	47.667	ug/L	0.002
Cd	114	-0.062385	118.335	ug/L	0.000
In	115		501035.408	ug/L	
Sb	121	0.038295	753.039	ug/L	0.009
Sb	123	0.036278	571.637	ug/L	0.011
Ba	137	7.418253	36033.298	ug/L	0.028
Ba	138	7.401747	231059.452	ug/L	0.029
Tb	159		560267.261	ug/L	
Ho	165		534481.926	ug/L	
Hg	200	-0.001495	9.000	ug/L	0.000
Hg	202	-0.000313	13.667	ug/L	0.000
Tl	205	-0.004498	313.675	ug/L	0.001
Pb	208	0.027666	3797.683	ug/L	0.002
Bi	209		433077.744	ug/L	
Se	77	-0.846850	685.033	ug/L	0.020

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		87.962
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	86.683
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.596
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	92.545
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.13
Sample Date/Time: Wednesday, August 25, 2010 09:09:18
Autosampler Position: 134
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.13.46971

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17754.654	ug/L	
Be	9	-0.002950	6.333	ug/L	0.004
B	10	39.430664	4689.590	ug/L	1.593
B	11	41.308468	24621.545	ug/L	1.097
C	12		508435.608	ug/L	
Na	23	10822.488132	79908068.215	ug/L	311.308
Mg	24	2754.364402	13577345.601	ug/L	67.349
Mg	25	2836.953280	1973651.305	ug/L	62.813
Al	27	1.155670	13090.773	ug/L	0.189
Si	28		4744283.472	ug/L	
P	31	14.843465	18744.511	ug/L	0.956
S	32		93778170.937	ug/L	
Cl	35		10240632.648	ug/L	
K	39	2697.408315	34892325.937	ug/L	80.544
Ca	44	4867.170562	1998402.884	ug/L	153.185
Sc	45		235975.744	ug/L	
Ti	47	0.219743	499.019	ug/L	0.008
Ti	48	5.356508	62640.731	ug/L	0.190
V	51	-0.128184	24792.348	ug/L	0.059
ClO	51		25074.784	ug/L	
Cr	52	-0.010319	10774.934	ug/L	0.002
Cr	53	-0.493579	8286.191	ug/L	0.140
Fe	54	1213.911620	1136942.173	ug/L	33.542
Mn	55	12.494282	239189.978	ug/L	0.321
Fe	56	1144.451478	20265840.978	ug/L	18.303
Fe	57	1184.719322	437049.435	ug/L	36.042
Co	59	0.037289	810.711	ug/L	0.003
Ni	60	1.035624	3107.896	ug/L	0.018
Ni	62	0.868481	431.348	ug/L	0.102
Cu	63	0.300778	2335.990	ug/L	0.004
Zn	64	1.006549	4330.380	ug/L	0.012
Cu	65	0.158566	617.694	ug/L	0.004
Zn	66	0.983413	2463.692	ug/L	0.001
Zn	68	1.311752	2243.966	ug/L	0.035
Ge	72		178419.246	ug/L	
As	75	5.488329	10093.783	ug/L	0.024
ArCl	77		723.036	ug/L	
Se	78	0.487760	13206.406	ug/L	0.575
Br	79		31493.801	ug/L	

Br	81		65107.322	ug/L	
Se	82	1.070924	16.432	ug/L	0.017
Y	89		477722.696	ug/L	
Mo	95	0.266256	1217.427	ug/L	0.005
Rh	103		408135.172	ug/L	
Ag	107	0.180015	2383.011	ug/L	0.049
Ag	109	0.174908	2234.304	ug/L	0.048
Cd	111	-0.013886	28.667	ug/L	0.001
Cd	114	-0.071575	53.667	ug/L	0.001
In	115		497917.455	ug/L	
Sb	121	0.034453	710.368	ug/L	0.008
Sb	123	0.031176	529.348	ug/L	0.004
Ba	137	11.273876	54356.228	ug/L	0.202
Ba	138	11.291333	349922.971	ug/L	0.247
Tb	159		558462.743	ug/L	
Ho	165		537152.317	ug/L	
Hg	200	0.001763	15.667	ug/L	0.001
Hg	202	-0.000083	14.333	ug/L	0.001
Tl	205	-0.005417	290.008	ug/L	0.000
Pb	208	-0.013039	2269.801	ug/L	0.002
Bi	209		430478.987	ug/L	
Se	77	-0.650048	718.036	ug/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		87.154
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

84.708

87.051

93.007

Sample ID: 92049.14
Sample Date/Time: Wednesday, August 25, 2010 09:15:48
Autosampler Position: 135
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.14.46972

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17610.377	ug/L	
Be	9	0.002157	8.333	ug/L	0.006
B	10	6.535335	836.380	ug/L	0.190
B	11	7.372640	4715.603	ug/L	0.017
C	12		514034.139	ug/L	
Na	23	26287.670754	191840870.406	ug/L	198.003
Mg	24	422.084613	2057536.018	ug/L	4.371
Mg	25	430.398372	296111.221	ug/L	2.158
Al	27	0.739603	9689.464	ug/L	0.023
Si	28		2827626.721	ug/L	
P	31	1.954709	12813.648	ug/L	1.475
S	32		94544452.578	ug/L	
Cl	35		10220887.369	ug/L	
K	39	689.368856	9399890.299	ug/L	11.271
Ca	44	684.402765	285791.239	ug/L	6.724
Sc	45		233214.880	ug/L	
Ti	47	0.107677	371.011	ug/L	0.028
Ti	48	0.574732	6415.916	ug/L	0.005
V	51	-0.067412	25407.384	ug/L	0.030
ClO	51		25985.692	ug/L	
Cr	52	-0.018154	10552.560	ug/L	0.006
Cr	53	-0.155221	8681.564	ug/L	0.031
Fe	54	16.282713	89524.678	ug/L	0.407
Mn	55	7.779080	148713.323	ug/L	0.015
Fe	56	26.487910	3815113.455	ug/L	0.317
Fe	57	30.811937	23887.064	ug/L	1.276
Co	59	0.006705	393.012	ug/L	0.001
Ni	60	1.268680	3734.813	ug/L	0.195
Ni	62	1.267753	594.692	ug/L	0.205
Cu	63	0.423907	3096.892	ug/L	0.000
Zn	64	0.523269	2812.285	ug/L	0.022
Cu	65	0.058161	296.674	ug/L	0.001
Zn	66	0.564254	1684.173	ug/L	0.035
Zn	68	0.619909	1355.782	ug/L	0.062
Ge	72		177617.333	ug/L	
As	75	0.149337	68.138	ug/L	0.063
ArCl	77		815.045	ug/L	
Se	78	0.441917	13127.444	ug/L	0.007
Br	79		67902.718	ug/L	

Br	81		104411.269	ug/L	
Se	82	1.507040	108.813	ug/L	0.142
Y	89		472778.598	ug/L	
Mo	95	0.053867	286.674	ug/L	0.000
Rh	103		404035.469	ug/L	
Ag	107	0.172801	2309.989	ug/L	0.042
Ag	109	0.172050	2213.964	ug/L	0.044
Cd	111	-0.015822	23.000	ug/L	0.001
Cd	114	-0.070761	59.667	ug/L	0.001
In	115		499986.052	ug/L	
Sb	121	0.024654	618.694	ug/L	0.007
Sb	123	0.022042	462.671	ug/L	0.005
Ba	137	3.966763	19274.605	ug/L	0.080
Ba	138	3.971997	123975.773	ug/L	0.061
Tb	159		556155.281	ug/L	
Ho	165		537613.544	ug/L	
Hg	200	0.004045	20.334	ug/L	0.003
Hg	202	0.001521	18.667	ug/L	0.001
Tl	205	-0.006184	269.007	ug/L	0.001
Pb	208	-0.022999	1892.428	ug/L	0.000
Bi	209		431167.393	ug/L	
Se	77	-0.314092	774.374	ug/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		86.134
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	84.327
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
=	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.412
	Sb	
	Sb	
	Ba	
=	Ba	
	Tb	
>	Ho	93.087
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	

Sample ID: 92049.16
Sample Date/Time: Wednesday, August 25, 2010 09:22:19
Autosampler Position: 136
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.16.46973

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17388.615	ug/L	
Be	9	-0.000312	7.333	ug/L	0.010
B	10	27.894938	3312.303	ug/L	1.315
B	11	30.722533	18265.853	ug/L	1.227
C	12		514136.559	ug/L	
Na	23	15815.903602	115739466.319	ug/L	530.657
Mg	24	2984.793331	14583597.697	ug/L	85.369
Mg	25	3002.826264	2070669.413	ug/L	73.547
Al	27	0.843422	10530.483	ug/L	0.053
Si	28		4261196.963	ug/L	
P	31	3.572348	13574.827	ug/L	0.923
S	32		92813636.197	ug/L	
Cl	35		9732594.865	ug/L	
K	39	749.313362	10177463.120	ug/L	12.285
Ca	44	7328.238279	2977978.554	ug/L	158.218
Sc	45		233901.783	ug/L	
Ti	47	0.156073	425.014	ug/L	0.002
Ti	48	8.051407	93413.578	ug/L	0.207
V	51	-0.155323	24175.011	ug/L	0.039
ClO	51		24562.389	ug/L	
Cr	52	0.022651	11084.659	ug/L	0.027
Cr	53	-0.600757	8057.317	ug/L	0.167
Fe	54	606.183217	600715.174	ug/L	7.009
Mn	55	56.618536	1060340.955	ug/L	0.895
Fe	56	580.841479	11888488.033	ug/L	21.859
Fe	57	614.144249	230850.684	ug/L	17.591
Co	59	0.005705	381.012	ug/L	0.002
Ni	60	1.382931	4070.285	ug/L	0.015
Ni	62	1.142066	543.022	ug/L	0.079
Cu	63	0.335652	2538.380	ug/L	0.025
Zn	64	0.581118	2996.506	ug/L	0.015
Cu	65	0.131365	527.021	ug/L	0.002
Zn	66	0.528700	1624.828	ug/L	0.024
Zn	68	0.662707	1412.791	ug/L	0.038
Ge	72		179663.312	ug/L	
As	75	1.487744	2598.604	ug/L	0.039
ArCl	77		691.700	ug/L	
Se	78	-0.181205	12990.963	ug/L	0.223
Br	79		65969.882	ug/L	

Br	81		102392.187	ug/L	
Se	82	1.585651	126.590	ug/L	0.049
Y	89		469327.301	ug/L	
Mo	95	0.240238	1111.079	ug/L	0.011
Rh	103		400855.231	ug/L	
Ag	107	0.144354	1943.230	ug/L	0.032
Ag	109	0.143627	1865.214	ug/L	0.039
Cd	111	-0.015610	23.334	ug/L	0.002
Cd	114	-0.070286	62.001	ug/L	0.002
In	115		493003.136	ug/L	
Sb	121	0.021565	580.691	ug/L	0.003
Sb	123	0.022930	462.968	ug/L	0.001
Ba	137	5.673015	27133.371	ug/L	0.142
Ba	138	5.741852	176465.962	ug/L	0.098
Tb	159		554895.814	ug/L	
Ho	165		532781.258	ug/L	
Hg	200	0.000171	12.333	ug/L	0.001
Hg	202	-0.000297	13.667	ug/L	0.000
Tl	205	-0.005595	282.674	ug/L	0.000
Pb	208	-0.020062	1986.104	ug/L	0.000
Bi	209		424689.509	ug/L	
Se	77	-0.479088	746.705	ug/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		86.388
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 85.298
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 86.192
Sb
Sb
Ba
Ba
Tb
Ho 92.250
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.17
Sample Date/Time: Wednesday, August 25, 2010 09:28:50
Autosampler Position: 137
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.17.46974

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19240.339	ug/L	
Be	9	0.012731	12.667	ug/L	0.009
B	10	32.495447	3848.853	ug/L	0.617
B	11	34.752108	20621.241	ug/L	0.885
C	12		518683.979	ug/L	
Na	23	9935.409560	72778542.592	ug/L	47.543
Mg	24	2639.447221	12907395.685	ug/L	36.867
Mg	25	2730.561530	1884494.251	ug/L	37.636
Al	27	0.828165	10420.345	ug/L	0.027
Si	28		3434723.551	ug/L	
P	31	54.285152	36141.995	ug/L	1.935
S	32		93606648.593	ug/L	
Cl	35		9622902.853	ug/L	
K	39	2553.052558	32805567.153	ug/L	17.035
Ca	44	4233.003517	1725497.913	ug/L	30.268
Sc	45		234054.695	ug/L	
Ti	47	0.247314	525.020	ug/L	0.013
Ti	48	3.341616	38654.200	ug/L	0.082
V	51	-0.192352	23645.950	ug/L	0.016
ClO	51		24242.525	ug/L	
Cr	52	0.004586	10871.307	ug/L	0.003
Cr	53	-0.637422	8010.943	ug/L	0.145
Fe	54	1631.263168	1489650.209	ug/L	8.614
Mn	55	337.954512	6314103.971	ug/L	3.154
Fe	56	1536.779917	25813950.574	ug/L	10.478
Fe	57	1578.109513	573234.461	ug/L	22.962
Co	59	0.419845	5932.661	ug/L	0.007
Ni	60	1.455600	4279.717	ug/L	0.016
Ni	62	1.325512	621.027	ug/L	0.054
Cu	63	0.785358	5429.676	ug/L	0.019
Zn	64	1.217442	4937.346	ug/L	0.064
Cu	65	0.686666	2269.639	ug/L	0.001
Zn	66	1.261851	2944.173	ug/L	0.012
Zn	68	1.704812	2717.767	ug/L	0.049
Ge	72		179512.364	ug/L	
As	75	1.601928	2812.294	ug/L	0.030
ArCl	77		689.033	ug/L	
Se	78	0.311876	13207.580	ug/L	0.132
Br	79		55199.018	ug/L	

Br	81		90668.852	ug/L	
Se	82	1.327055	71.246	ug/L	0.020
Y	89		469256.145	ug/L	
Mo	95	3.005557	13284.833	ug/L	0.015
Rh	103		404699.917	ug/L	
Ag	107	0.160540	2161.948	ug/L	0.029
Ag	109	0.155669	2026.583	ug/L	0.033
Cd	111	-0.004860	55.667	ug/L	0.001
Cd	114	-0.065147	98.668	ug/L	0.001
In	115		499474.202	ug/L	
Sb	121	0.027331	644.029	ug/L	0.005
Sb	123	0.025629	489.213	ug/L	0.005
Ba	137	17.512536	84643.743	ug/L	0.368
Ba	138	17.709024	550285.933	ug/L	0.231
Tb	159		559655.214	ug/L	
Ho	165		534514.603	ug/L	
Hg	200	0.004756	21.667	ug/L	0.001
Hg	202	0.006323	31.334	ug/L	0.000
Tl	205	0.001991	491.352	ug/L	0.000
Pb	208	0.025294	3708.001	ug/L	0.001
Bi	209		426682.403	ug/L	
Se	77	-0.747455	701.701	ug/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		86.445
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 85.227
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 87.323
Sb
Sb
Ba
Ba
Tb
Ho 92.551
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.18
Sample Date/Time: Wednesday, August 25, 2010 09:35:22
Autosampler Position: 138
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.18.46975

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19395.334	ug/L	
Be	9	0.004633	9.333	ug/L	0.012
B	10	32.325165	3825.510	ug/L	0.963
B	11	34.957443	20722.131	ug/L	0.738
C	12		506934.900	ug/L	
Na	23	9827.677613	71930950.382	ug/L	116.225
Mg	24	2637.831530	12888689.676	ug/L	39.138
Mg	25	2708.073776	1867505.751	ug/L	20.878
Al	27	1.572778	16283.112	ug/L	0.354
Si	28		3407583.476	ug/L	
P	31	53.676743	35847.469	ug/L	0.758
S	32		93715799.176	ug/L	
Cl	35		9916000.196	ug/L	
K	39	2516.429875	32316110.001	ug/L	72.892
Ca	44	4194.536029	1708285.972	ug/L	126.368
Sc	45		233884.018	ug/L	
Ti	47	0.230134	505.686	ug/L	0.024
Ti	48	3.225372	37293.835	ug/L	0.241
V	51	-0.155358	24173.004	ug/L	0.034
ClO	51		24756.925	ug/L	
Cr	52	-0.022220	10531.916	ug/L	0.011
Cr	53	-0.457761	8264.505	ug/L	0.178
Fe	54	1640.914990	1496575.468	ug/L	55.793
Mn	55	340.446778	6354430.172	ug/L	11.650
Fe	56	1544.057899	25897342.870	ug/L	34.735
Fe	57	1587.472035	576039.584	ug/L	37.990
Co	59	0.419477	5922.321	ug/L	0.011
Ni	60	1.512358	4437.794	ug/L	0.020
Ni	62	1.322535	619.361	ug/L	0.015
Cu	63	0.290139	2246.633	ug/L	0.012
Zn	64	1.047619	4415.484	ug/L	0.057
Cu	65	0.168712	644.029	ug/L	0.004
Zn	66	1.057977	2575.724	ug/L	0.005
Zn	68	1.574448	2552.050	ug/L	0.084
Ge	72		178802.603	ug/L	
As	75	1.658977	2908.321	ug/L	0.044
ArCl	77		685.366	ug/L	
Se	78	0.376972	13184.974	ug/L	0.234
Br	79		54886.786	ug/L	

Br	81		89841.422	ug/L	
Se	82	1.531801	114.465	ug/L	0.087
Y	89		467897.898	ug/L	
Mo	95	2.986689	13149.635	ug/L	0.007
Rh	103		401576.610	ug/L	
Ag	107	0.142106	1928.559	ug/L	0.022
Ag	109	0.141710	1855.212	ug/L	0.034
Cd	111	-0.006967	49.001	ug/L	0.003
Cd	114	-0.066055	91.668	ug/L	0.001
In	115		495465.126	ug/L	
Sb	121	0.031521	679.366	ug/L	0.004
Sb	123	0.034910	554.878	ug/L	0.005
Ba	137	17.797032	85335.843	ug/L	0.241
Ba	138	17.883296	551265.871	ug/L	0.216
Tb	159		553155.718	ug/L	
Ho	165		531144.326	ug/L	
Hg	200	0.005494	23.000	ug/L	0.003
Hg	202	0.004627	26.667	ug/L	0.001
Tl	205	0.001456	473.684	ug/L	0.000
Pb	208	-0.002989	2621.507	ug/L	0.002
Bi	209		427458.771	ug/L	
Se	77	-0.834923	687.033	ug/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		86.382
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	84.890
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.622
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	91.967
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.19
Sample Date/Time: Wednesday, August 25, 2010 09:41:55
Autosampler Position: 139
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.19.46976

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17418.004	ug/L	
Be	9	-0.009325	3.667	ug/L	0.001
B	10	39.800985	4643.565	ug/L	1.343
B	11	43.045996	25148.661	ug/L	1.877
C	12		511217.841	ug/L	
Na	23	12073.762384	87446388.310	ug/L	502.860
Mg	24	1932.552110	9344947.231	ug/L	78.438
Mg	25	1992.064235	1359552.814	ug/L	70.281
Al	27	6.741309	56209.936	ug/L	0.992
Si	28		2639218.538	ug/L	
P	31	7.869865	15317.761	ug/L	1.680
S	32		91791184.822	ug/L	
Cl	35		7761184.657	ug/L	
K	39	947.902661	12534840.973	ug/L	33.525
Ca	44	4530.964168	1825800.877	ug/L	147.719
Sc	45		231548.583	ug/L	
Ti	47	0.558584	859.719	ug/L	0.285
Ti	48	3.958926	45334.891	ug/L	0.114
V	51	-0.351397	21048.222	ug/L	0.068
ClO	51		21403.720	ug/L	
Cr	52	0.136649	12361.568	ug/L	0.036
Cr	53	-1.282594	6995.427	ug/L	0.042
Fe	54	495.765795	499815.236	ug/L	20.704
Mn	55	406.297751	7506306.762	ug/L	11.414
Fe	56	475.933073	10257126.252	ug/L	17.957
Fe	57	498.519501	187863.556	ug/L	23.878
Co	59	0.552027	7619.268	ug/L	0.017
Ni	60	0.918696	2720.101	ug/L	0.007
Ni	62	0.770288	382.345	ug/L	0.046
Cu	63	0.486996	3473.365	ug/L	0.029
Zn	64	1.370146	5342.959	ug/L	0.047
Cu	65	0.335638	1155.085	ug/L	0.019
Zn	66	1.355361	3076.885	ug/L	0.095
Zn	68	1.430863	2347.993	ug/L	0.106
Ge	72		177192.854	ug/L	
As	75	2.854206	5111.403	ug/L	0.053
ArCl	77		610.027	ug/L	
Se	78	0.289743	13026.672	ug/L	0.511
Br	79		30723.841	ug/L	

Br	81		64329.453	ug/L	
Se	82	0.980303	-2.751	ug/L	0.083
Y	89		468234.599	ug/L	
Mo	95	2.169475	9479.702	ug/L	0.030
Rh	103		401882.186	ug/L	
Ag	107	0.111632	1552.815	ug/L	0.014
Ag	109	0.110711	1492.472	ug/L	0.020
Cd	111	-0.005875	51.667	ug/L	0.000
Cd	114	-0.067032	84.001	ug/L	0.001
In	115		490363.392	ug/L	
Sb	121	0.021389	576.024	ug/L	0.003
Sb	123	0.022404	456.544	ug/L	0.004
Ba	137	4.443922	21166.158	ug/L	0.083
Ba	138	4.474922	136926.952	ug/L	0.020
Tb	159		552951.874	ug/L	
Ho	165		528389.392	ug/L	
Hg	200	0.000219	12.333	ug/L	0.000
Hg	202	-0.001779	9.667	ug/L	0.001
Tl	205	-0.004244	317.009	ug/L	0.000
Pb	208	0.019642	3453.958	ug/L	0.002
Bi	209		421260.024	ug/L	
Se	77	-1.321955	605.360	ug/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		85.519
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	84.125
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.730
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	91.490
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92049.20
Sample Date/Time: Wednesday, August 25, 2010 09:48:28
Autosampler Position: 140
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.20.46977

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17418.004	ug/L	
Be	9	-0.002842	6.333	ug/L	0.003
B	10	31.017346	3672.112	ug/L	0.026
B	11	33.410250	19812.431	ug/L	0.443
C	12		489773.571	ug/L	
Na	23	10878.020797	79564905.882	ug/L	3.020
Mg	24	1471.218650	7184293.950	ug/L	7.801
Mg	25	1522.537386	1049315.497	ug/L	1.189
Al	27	0.844950	10537.157	ug/L	0.009
Si	28		3400576.277	ug/L	
P	31	24.710124	22947.894	ug/L	1.694
S	32		93096536.687	ug/L	
Cl	35		9160017.614	ug/L	
K	39	848.714235	11415245.044	ug/L	3.536
Ca	44	2947.118491	1202424.327	ug/L	7.953
Sc	45		233712.832	ug/L	
Ti	47	0.167850	437.348	ug/L	0.041
Ti	48	2.291493	26373.902	ug/L	0.312
V	51	-0.231885	23021.699	ug/L	0.074
ClO	51		23362.214	ug/L	
Cr	52	-0.023611	10507.491	ug/L	0.010
Cr	53	-0.896960	7621.270	ug/L	0.125
Fe	54	893.599003	848930.322	ug/L	27.562
Mn	55	48.481903	907828.348	ug/L	0.930
Fe	56	843.104361	15691622.252	ug/L	26.995
Fe	57	869.514459	321214.550	ug/L	8.190
Co	59	0.000762	314.342	ug/L	0.000
Ni	60	0.619279	1893.550	ug/L	0.025
Ni	62	0.577802	305.008	ug/L	0.023
Cu	63	0.226356	1836.204	ug/L	0.010
Zn	64	0.946493	4105.465	ug/L	0.033
Cu	65	0.075286	351.010	ug/L	0.004
Zn	66	0.958090	2394.339	ug/L	0.035
Zn	68	1.122418	1985.904	ug/L	0.068
Ge	72		180178.686	ug/L	
As	75	0.304509	362.225	ug/L	0.052
ArCl	77		663.364	ug/L	
Se	78	-0.198110	13020.592	ug/L	0.170
Br	79		23397.976	ug/L	

Br	81		56770.947	ug/L	
Se	82	0.899609	-20.105	ug/L	0.024
Y	89		473116.505	ug/L	
Mo	95	0.360513	1645.832	ug/L	0.011
Rh	103		407329.723	ug/L	
Ag	107	0.108084	1543.814	ug/L	0.014
Ag	109	0.104226	1451.131	ug/L	0.012
Cd	111	-0.013367	30.334	ug/L	0.000
Cd	114	-0.070906	58.667	ug/L	0.000
In	115		500346.862	ug/L	
Sb	121	0.012640	503.019	ug/L	0.001
Sb	123	0.012431	390.874	ug/L	0.005
Ba	137	7.615311	36935.922	ug/L	0.025
Ba	138	7.608489	237161.096	ug/L	0.046
Tb	159		561525.214	ug/L	
Ho	165		536846.137	ug/L	
Hg	200	0.001103	14.333	ug/L	0.001
Hg	202	0.000034	14.667	ug/L	0.002
Tl	205	-0.005348	291.674	ug/L	0.000
Pb	208	-0.007754	2468.822	ug/L	0.000
Bi	209		428310.283	ug/L	
Se	77	-0.964136	665.364	ug/L	0.157

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
-	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		86.318
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 85.543
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 87.475
Sb
Sb
Ba
Ba
Tb
> Ho 92.954
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.17 MS
Sample Date/Time: Wednesday, August 25, 2010 10:29:48
Autosampler Position: 142
Sample Description: AqTot 1:10 10ppm Mix Spike
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.17 MS.46983

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		19679.951	ug/L	
Be	9	0.012941	12.667	ug/L	0.005
B	10	32.700147	3848.520	ug/L	0.499
B	11	34.861385	20555.754	ug/L	0.729
C	12		1121633.666	ug/L	
Na	23	20293.055520	147702318.564	ug/L	463.815
Mg	24	13154.460231	63924458.140	ug/L	179.640
Mg	25	12981.044231	8902445.597	ug/L	261.372
Al	27	10303.311986	80512543.666	ug/L	174.708
Si	28		3434279.192	ug/L	
P	31	10170.699801	4508500.933	ug/L	179.982
S	32		101625875.068	ug/L	
Cl	35		12621210.903	ug/L	
K	39	12685.283962	158873016.297	ug/L	341.913
Ca	44	14094.389659	5687829.337	ug/L	323.933
Sc	45		232611.749	ug/L	
Ti	47	24.891040	27287.834	ug/L	0.379
Ti	48	16.928837	195627.335	ug/L	0.343
V	51	0.301258	30770.630	ug/L	0.028
ClO	51		31524.881	ug/L	
Cr	52	0.116718	12179.163	ug/L	0.005
Cr	53	1.058723	10414.733	ug/L	0.050
Fe	54	11587.035215	10055509.393	ug/L	382.923
Mn	55	345.808368	6420418.877	ug/L	8.465
Fe	56	11720.510422	172971761.349	ug/L	268.536
Fe	57	11724.648475	4149005.724	ug/L	276.788
Co	59	0.477963	6669.846	ug/L	0.012
Ni	60	1.898098	5506.056	ug/L	0.045
Ni	62	1.517531	697.700	ug/L	0.020
Cu	63	0.683570	4745.953	ug/L	0.024
Zn	64	2.278959	8119.783	ug/L	0.108
Cu	65	0.474950	1595.489	ug/L	0.000
Zn	66	1.519993	3386.998	ug/L	0.040
Zn	68	1.863728	2898.491	ug/L	0.025
Ge	72		182934.291	ug/L	
As	75	1.638963	2937.761	ug/L	0.075
ArCl	77		919.389	ug/L	
Se	78	-0.640734	13011.508	ug/L	0.127
Br	79		60298.445	ug/L	

Br	81		96315.951	ug/L	
Se	82	1.548773	120.976	ug/L	0.147
Y	89		468413.941	ug/L	
Mo	95	2.994116	13487.133	ug/L	0.023
Rh	103		396386.709	ug/L	
Ag	107	0.238724	3042.208	ug/L	0.019
Ag	109	0.237383	2902.493	ug/L	0.017
Cd	111	0.010705	100.335	ug/L	0.005
Cd	114	-0.046900	222.005	ug/L	0.000
In	115		490887.651	ug/L	
Sb	121	0.098394	1310.108	ug/L	0.007
Sb	123	0.094296	990.162	ug/L	0.000
Ba	137	17.947519	85265.521	ug/L	0.104
Ba	138	18.021801	550421.984	ug/L	0.091
Tb	159		568061.580	ug/L	
Ho	165		537054.454	ug/L	
Hg	200	0.009935	32.334	ug/L	0.001
Hg	202	0.008636	37.667	ug/L	0.001
Tl	205	0.019132	965.394	ug/L	0.000
Pb	208	0.094319	6348.600	ug/L	0.001
Bi	209		419509.109	ug/L	
Se	77	0.578489	924.056	ug/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		85.912
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 86.851
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 85.822
Sb
Sb
Ba
Ba
Tb
Ho 92.990
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92049.17 MSD
Sample Date/Time: Wednesday, August 25, 2010 10:36:22
Autosampler Position: 143
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.17 MSD.46984

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		20096.856	ug/L	
Be	9	0.018334	15.000	ug/L	0.003
B	10	32.155718	3822.842	ug/L	0.137
B	11	34.945321	20805.656	ug/L	0.433
C	12		1138064.034	ug/L	
Na	23	20179.988528	148313635.070	ug/L	405.449
Mg	24	13085.304508	64208264.826	ug/L	204.009
Mg	25	12974.944269	8984884.275	ug/L	356.044
Al	27	10202.699847	80501637.063	ug/L	282.370
Si	28		3459846.921	ug/L	
P	31	10061.338235	4503638.919	ug/L	193.786
S	32		100476452.607	ug/L	
Cl	35		12682740.202	ug/L	
K	39	12651.680555	160002349.140	ug/L	284.769
Ca	44	14179.794954	5778067.798	ug/L	325.015
Sc	45		234879.612	ug/L	
Ti	47	24.852443	27512.845	ug/L	0.001
Ti	48	16.958553	197878.324	ug/L	0.485
V	51	0.322793	31391.419	ug/L	0.021
ClO	51		31725.917	ug/L	
Cr	52	0.107806	12187.354	ug/L	0.011
Cr	53	1.054450	10510.177	ug/L	0.020
Fe	54	11468.278506	10050912.771	ug/L	152.509
Mn	55	345.291199	6473456.912	ug/L	6.845
Fe	56	11783.904891	175589203.399	ug/L	175.898
Fe	57	11717.991741	4187205.059	ug/L	186.449
Co	59	0.484265	6819.626	ug/L	0.014
Ni	60	1.905852	5581.770	ug/L	0.067
Ni	62	1.558803	722.036	ug/L	0.024
Cu	63	0.514021	3699.790	ug/L	0.003
Zn	64	2.050334	7500.892	ug/L	0.016
Cu	65	0.313851	1103.745	ug/L	0.009
Zn	66	1.271508	2971.849	ug/L	0.023
Zn	68	1.705272	2727.770	ug/L	0.041
Ge	72		183213.104	ug/L	
As	75	1.553008	2775.882	ug/L	0.043
ArCl	77		989.064	ug/L	
Se	78	-0.416642	13137.067	ug/L	0.159
Br	79		62012.197	ug/L	

Br	81		97992.005	ug/L	
Se	82	1.768535	168.942	ug/L	0.088
Y	89		469818.485	ug/L	
Mo	95	2.967853	13389.320	ug/L	0.015
Rh	103		394630.741	ug/L	
Ag	107	0.173122	2281.309	ug/L	0.008
Ag	109	0.164007	2092.596	ug/L	0.017
Cd	111	0.013706	109.335	ug/L	0.007
Cd	114	-0.047729	217.005	ug/L	0.001
In	115		492517.641	ug/L	
Sb	121	0.067465	1018.401	ug/L	0.007
Sb	123	0.068597	802.354	ug/L	0.001
Ba	137	17.946334	85529.652	ug/L	0.375
Ba	138	18.040117	552716.407	ug/L	0.413
Tb	159		561217.726	ug/L	
Ho	165		534731.629	ug/L	
Hg	200	0.011324	35.000	ug/L	0.000
Hg	202	0.007930	35.667	ug/L	0.002
Tl	205	0.018467	943.058	ug/L	0.000
Pb	208	0.071439	5455.699	ug/L	0.000
Bi	209		413210.462	ug/L	
Se	77	1.021802	998.398	ug/L	0.065

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		86.749
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
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Cu
Zn
Cu
Zn
Zn
Ge 86.984
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 86.107
Sb
Sb
Ba
Ba
Tb
Ho 92.588
Hg
Hg
Tl
Pb
Bi
Se

eastern analytical, inc.
professional laboratory services

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

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 92079
Client Identification: Coakley Landfill | P0081
Date Received: 8/20/2010

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 | 9.7.10 Date | 349 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Temperature upon receipt (°C): 5 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
92079.01	GW-MW-5D-0810	8/20/10	8/19/10	aqueous		Adheres to Sample Acceptance Policy
92079.02	GW-AE-3A-0810	8/20/10	8/19/10	aqueous		Adheres to Sample Acceptance Policy
92079.03	GW-AE-3B-0810	8/20/10	8/20/10	aqueous		Adheres to Sample Acceptance Policy
92079.04	GW-AE-3B-DUP-0810	8/20/10	8/20/10	aqueous		Adheres to Sample Acceptance Policy
92079.05	GW-FPC-7A-0810	8/20/10	8/20/10	aqueous		Adheres to Sample Acceptance Policy
92079.06	GW-FPC-7B-0810	8/20/10	8/20/10	aqueous		Adheres to Sample Acceptance Policy
92079.07	GW-AE-3B-FB-0810	8/20/10	8/20/10	aqueous		Adheres to Sample Acceptance Policy
92079.08	Trip Blank 8260	8/20/10	8/4/10	aqueous		Adheres to Sample Acceptance Policy
92079.09	Trip Blank 14 Diox	8/20/10	7/14/10	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

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-5D-0810	GW-AE-3A-0810	GW-AE-3B-0810	GW-AE-3B-DUP-0810	GW-AE-3B-FB-0810	Trip Blank 8260
Lab Sample ID:	92079.01	92079.02	92079.03	92079.04	92079.07	92079.08
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/19/10	8/19/10	8/20/10	8/20/10	8/20/10	8/4/10
Date Received:	8/20/10	8/20/10	8/20/10	8/20/10	8/20/10	8/20/10
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/26/10	8/26/10	8/26/10	8/26/10	8/26/10	8/26/10
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	**31**	**9**	**8**	**8**	< 5	< 5
Trichlorofluoromethane	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl Ether	**99**	**14**	**14**	**14**	< 5	< 5
Acetone	< 10	< 10	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butyl Alcohol (TBA)	**40**	< 30	< 30	< 30	< 30	< 30
Methylene chloride	< 5	< 5	< 5	< 5	**9**	< 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)	**90**	< 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	**2**	**2**	**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
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	**4**	**6**	**5**	**5**	< 2	< 2
1,1,1,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-5D-0810	GW-AE-3A-0810	GW-AE-3B-0810	GW-AE-3B-DUP-0810	GW-AE-3B-FB-0810	Trip Blank 8260
Lab Sample ID:	92079.01	92079.02	92079.03	92079.04	92079.07	92079.08
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/19/10	8/19/10	8/20/10	8/20/10	8/20/10	8/4/10
Date Received:	8/20/10	8/20/10	8/20/10	8/20/10	8/20/10	8/20/10
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/26/10	8/26/10	8/26/10	8/26/10	8/26/10	8/26/10
Analyst:	KJP	KJP	KJP	KJP	KJP	KJP
Method:	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	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	**2**	**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)	**97 %R**	**97 %R**	**93 %R**	**95 %R**	**89 %R**	**93 %R**
1,2-Dichlorobenzene-d4 (surr)	**107 %R**	**104 %R**	**103 %R**	**108 %R**	**111 %R**	**104 %R**
Toluene-d8 (surr)	**98 %R**	**98 %R**	**94 %R**	**97 %R**	**97 %R**	**99 %R**

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 5	25 (123 %R)	23 (116 %R) (6 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Chloromethane	< 2	20 (101 %R)	20 (99 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Vinyl chloride	< 2	17 (85 %R)	17 (83 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromomethane	< 2	21 (107 %R)	20 (101 %R) (6 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Chloroethane	< 5	20 (100 %R)	19 (93 %R) (7 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	< 5	22 (108 %R)	21 (106 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Diethyl Ether	< 5	21 (105 %R)	20 (102 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Acetone	< 10	10 (73 %R)	* 10 (68 %R) (7 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethene	< 1	21 (106 %R)	20 (101 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	< 30	* 90 (%R)	* 90 (%R) (RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Methylene chloride	< 5	20 (100 %R)	19 (96 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Carbon disulfide	< 5	18 (91 %R)	18 (90 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	< 5	20 (102 %R)	20 (101 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	< 5	20 (100 %R)	19 (97 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	< 5	19 (94 %R)	18 (92 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	< 5	22 (111 %R)	21 (107 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	< 2	23 (113 %R)	22 (109 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	< 2	20 (101 %R)	20 (99 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	< 2	20 (98 %R)	19 (96 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	< 2	22 (109 %R)	21 (103 %R) (6 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	< 10	20 (82 %R)	20 (80 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromochloromethane	< 2	21 (103 %R)	21 (103 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	< 10	20 (87 %R)	20 (84 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Chloroform	< 2	21 (106 %R)	21 (105 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	< 2	21 (105 %R)	21 (104 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Carbon tetrachloride	< 2	20 (100 %R)	20 (99 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	< 2	21 (103 %R)	20 (101 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Benzene	< 1	22 (110 %R)	21 (107 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	< 2	19 (96 %R)	19 (95 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Trichloroethene	< 2	22 (108 %R)	21 (104 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	< 2	20 (98 %R)	19 (96 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Dibromomethane	< 2	21 (106 %R)	21 (103 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromodichloromethane	< 0.5	18 (91 %R)	18 (90 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
4-Methyl-2-pentanone(MIBK)	< 10	20 (98 %R)	20 (95 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
cis-1,3-Dichloropropene	< 2	20 (102 %R)	20 (99 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Toluene	< 1	23 (114 %R)	22 (110 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	< 2	18 (91 %R)	18 (91 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	< 2	20 (99 %R)	20 (99 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
2-Hexanone	< 10	20 (86 %R)	20 (81 %R) (6 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Tetrachloroethene	< 2	25 (123 %R)	24 (119 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	< 2	21 (103 %R)	20 (98 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Dibromochloromethane	< 2	21 (103 %R)	21 (103 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	< 2	21 (105 %R)	20 (102 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Chlorobenzene	< 2	21 (107 %R)	21 (106 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1,1,2-Tetrachloroethane	< 2	23 (113 %R)	22 (110 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B

QC REPORT

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	< 1	23 (116 %R)	23 (113 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
mp-Xylene	< 1	47 (118 %R)	46 (116 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
o-Xylene	< 1	23 (117 %R)	22 (111 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Styrene	< 1	23 (115 %R)	22 (110 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromoform	< 2	18 (91 %R)	18 (91 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
IsoPropylbenzene	< 1	25 (126 %R)	25 (124 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromobenzene	< 2	21 (105 %R)	20 (100 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	< 2	18 (90 %R)	18 (89 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	< 2	18 (92 %R)	18 (91 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
n-Propylbenzene	< 1	22 (109 %R)	22 (109 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
2-Chlorotoluene	< 2	20 (100 %R)	20 (99 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
4-Chlorotoluene	< 2	20 (101 %R)	20 (101 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	< 1	22 (109 %R)	22 (108 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
tert-Butylbenzene	< 1	22 (108 %R)	22 (110 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	< 1	22 (108 %R)	22 (108 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
sec-Butylbenzene	< 1	22 (109 %R)	22 (108 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	< 1	21 (106 %R)	21 (106 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	< 1	22 (112 %R)	23 (113 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	< 1	21 (106 %R)	21 (103 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	< 1	20 (101 %R)	20 (98 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
n-Butylbenzene	< 1	21 (104 %R)	21 (105 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	< 2	17 (87 %R)	17 (83 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	< 1	* 21 (%R)	* 22 (%R) (RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	< 1	22 (109 %R)	21 (107 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	< 0.5	20 (100 %R)	20 (101 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Naphthalene	< 5	19 (93 %R)	19 (93 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	< 1	19 (96 %R)	19 (96 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	96 %R	102 %R	100 %R	8/26/2010	% Rec	86 - 115	20	8260B
1,2-Dichlorobenzene-d4 (surr)	99 %R	98 %R	98 %R	8/26/2010	% Rec	80 - 120	20	8260B
Toluene-d8 (surr)	97 %R	102 %R	100 %R	8/26/2010	% 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.

Analytes that exceed the acceptance limits high in the quality control samples but are not detected in the field samples do not impact the data. For analytes that show low recovery in the quality control samples and are not detected in the field samples, a low point calibration standard is analyzed to support the reporting limit.

Eastern Analytical, Inc. ID#: **92079** **Batch ID:**

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	92079.03	< 5	* 29 (143 %R)	* 27 (136 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Chloromethane	92079.03	< 2	21 (104 %R)	20 (99 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Vinyl chloride	92079.03	< 2	19 (94 %R)	18 (90 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromomethane	92079.03	< 2	18 (87 %R)	18 (90 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Chloroethane	92079.03	8	28 (100 %R)	28 (96 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	92079.03	< 5	25 (126 %R)	24 (120 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Diethyl Ether	92079.03	14	34 (101 %R)	33 (96 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Acetone	92079.03	< 10	20 (84 %R)	20 (78 %R) (7 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethene	92079.03	< 1	22 (111 %R)	22 (108 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	92079.03	< 30	* 100 (%R)	* 100 (%R) (RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Methylene chloride	92079.03	< 5	19 (96 %R)	19 (94 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Carbon disulfide	92079.03	< 5	19 (95 %R)	19 (95 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	92079.03	< 5	20 (99 %R)	20 (99 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	92079.03	< 5	19 (96 %R)	20 (98 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	92079.03	< 5	19 (94 %R)	19 (93 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	92079.03	< 5	22 (108 %R)	22 (108 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	92079.03	< 2	24 (120 %R)	24 (119 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	92079.03	< 2	22 (109 %R)	21 (107 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	92079.03	< 2	19 (94 %R)	18 (91 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	92079.03	< 2	22 (112 %R)	22 (110 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	92079.03	< 10	20 (93 %R)	20 (90 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromochloromethane	92079.03	< 2	22 (108 %R)	21 (106 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	92079.03	< 10	20 (97 %R)	20 (99 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Chloroform	92079.03	< 2	23 (113 %R)	22 (112 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	92079.03	< 2	23 (115 %R)	23 (116 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Carbon tetrachloride	92079.03	< 2	23 (113 %R)	23 (113 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	92079.03	< 2	22 (110 %R)	22 (109 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Benzene	92079.03	1	25 (116 %R)	24 (116 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	92079.03	< 2	21 (102 %R)	20 (101 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Trichloroethene	92079.03	< 2	22 (111 %R)	22 (111 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	92079.03	< 2	21 (103 %R)	20 (100 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Dibromomethane	92079.03	< 2	22 (112 %R)	22 (109 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromodichloromethane	92079.03	< 0.5	20 (98 %R)	19 (97 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
4-Methyl-2-pentanone(MIBK)	92079.03	< 10	20 (101 %R)	20 (96 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
cis-1,3-Dichloropropene	92079.03	< 2	20 (101 %R)	20 (101 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Toluene	92079.03	< 1	23 (114 %R)	23 (114 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	92079.03	< 2	18 (92 %R)	18 (92 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	92079.03	< 2	21 (105 %R)	20 (102 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
2-Hexanone	92079.03	< 10	20 (97 %R)	20 (91 %R) (6 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Tetrachloroethene	92079.03	< 2	25 (124 %R)	25 (124 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	92079.03	< 2	21 (103 %R)	20 (102 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Dibromochloromethane	92079.03	< 2	22 (108 %R)	21 (106 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	92079.03	< 2	21 (105 %R)	21 (105 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Chlorobenzene	92079.03	5	27 (111 %R)	27 (110 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1,1,2-Tetrachloroethane	92079.03	< 2	23 (117 %R)	23 (116 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B

QC REPORT

Eastern Analytical, Inc. ID#: **92079** **Batch ID:**

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
Ethylbenzene	92079.03	< 1	24 (121 %R)	24 (118 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
mp-Xylene	92079.03	< 1	49 (121 %R)	47 (118 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
o-Xylene	92079.03	< 1	23 (115 %R)	23 (115 %R) (0 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Styrene	92079.03	< 1	23 (114 %R)	22 (111 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromoform	92079.03	< 2	19 (97 %R)	19 (96 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
IsoPropylbenzene	92079.03	< 1	26 (130 %R)	26 (129 %R) (1 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Bromobenzene	92079.03	< 2	21 (104 %R)	21 (107 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	92079.03	< 2	19 (94 %R)	19 (96 %R) (2 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	92079.03	< 2	19 (95 %R)	20 (100 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
n-Propylbenzene	92079.03	< 1	22 (111 %R)	23 (116 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
2-Chlorotoluene	92079.03	< 2	20 (101 %R)	21 (104 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
4-Chlorotoluene	92079.03	< 2	21 (104 %R)	22 (108 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	92079.03	< 1	21 (107 %R)	22 (111 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
tert-Butylbenzene	92079.03	< 1	22 (109 %R)	23 (115 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	92079.03	< 1	21 (107 %R)	22 (112 %R) (5 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
sec-Butylbenzene	92079.03	< 1	21 (107 %R)	23 (114 %R) (6 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	92079.03	< 1	21 (105 %R)	22 (108 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	92079.03	< 1	23 (113 %R)	23 (116 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	92079.03	1	22 (105 %R)	23 (108 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	92079.03	< 1	21 (101 %R)	21 (104 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
n-Butylbenzene	92079.03	< 1	21 (107 %R)	22 (111 %R) (4 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	92079.03	< 2	19 (93 %R)	19 (96 %R) (3 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	92079.03	< 1	* 21 (%R)	* 22 (%R) (RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	92079.03	< 1	21 (105 %R)	22 (112 %R) (6 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	92079.03	< 0.5	20 (99 %R)	21 (106 %R) (7 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
Naphthalene	92079.03	< 5	19 (96 %R)	21 (103 %R) (7 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	92079.03	< 1	20 (98 %R)	21 (104 %R) (6 RPD)	8/26/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	92079.03	93 %R	102 %R	101 %R	8/26/2010	% Rec	86 - 115	20	8260B
1,2-Dichlorobenzene-d4 (surr)	92079.03	103 %R	94 %R	100 %R	8/26/2010	% Rec	80 - 120	20	8260B
Toluene-d8 (surr)	92079.03	94 %R	99 %R	98 %R	8/26/2010	% 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.

Analytes that exceed the acceptance limits high in the quality control samples but are not detected in the field samples do not impact the data. For analytes that show low recovery in the quality control samples and are not detected in the field samples, a low point calibration standard is analyzed to support the reporting limit.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-5D-0810	GW-AE-3A-0810	GW-AE-3B-0810	Trip Blank 14 Diox
Lab Sample ID:	92079.01	92079.02	92079.03	92079.09
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	8/19/10	8/19/10	8/20/10	7/14/10
Date Received:	8/20/10	8/20/10	8/20/10	8/20/10
Units:	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	8/30/10	8/30/10	8/30/10	8/25/10
Analyst:	VG	VG	VG	VG
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	20	1	1	1
1,4-Dioxane	**150**	**23**	**24**	< 1
4-Bromofluorobenzene (surr)	**111 %R**	**109 %R**	**113 %R**	**106 %R**
Toluene-d8 (surr)	**104 %R**	**104 %R**	**106 %R**	**102 %R**

QC REPORT

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	6 (121 %R)	6 (128 %R) (6 RPD)	8/30/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	110 %R	111 %R	110 %R	8/30/2010	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	104 %R	106 %R	105 %R	8/30/2010	% 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.

QC REPORT

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	5 (100 %R)	5 (110 %R) (10 RPD)	8/25/2010	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	105 %R	106 %R	108 %R	8/25/2010	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	102 %R	103 %R	103 %R	8/25/2010	% 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.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-5D-0810	GW-AE-3A-0810	GW-AE-3B-0810
Lab Sample ID:	92079.01	92079.02	92079.03
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	8/19/10	8/19/10	8/20/10
Date Received:	8/20/10	8/20/10	8/20/10
Units:	ug/l	ug/l	ug/l
Date of Extraction/Prep:	8/23/10	8/23/10	8/23/10
Date of Analysis:	8/23/10	8/23/10	8/23/10
Analyst:	JMR	JMR	JMR
Method:	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**109 %R**	**107 %R**	**106 %R**

QC REPORT

Eastern Analytical, Inc. ID#: 92079 **Batch ID:** 734008-26096/A082310EDBDB1

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	< 0.02	0.11 (112 %R)	0.11 (114 %R) (2 RPD)	8/23/2010	ug/l	70 - 130	20	8011/504
Dibromochloropropane (DBCP)	< 0.02	0.11 (114 %R)	0.11 (113 %R) (1 RPD)	8/23/2010	ug/l	70 - 130	20	8011/504
1,1,1,2-Tetrachloroethane (surr)	106 %R	99 %R	101 %R	8/23/2010	% Rec	65 - 135	20	8011/504

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.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID: GW-MW-5D-0810

Lab Sample ID: 92079.01
Matrix: aqueous
Date Sampled: 8/19/10
Date Received: 8/20/10

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Aluminum	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Antimony	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Arsenic	**0.010**	AqTot	mg/L	8/24/10	200.8	DS
Barium	**0.11**	AqTot	mg/L	8/24/10	200.8	DS
Beryllium	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Calcium	**32**	AqTot	mg/L	8/24/10	200.8	DS
Cadmium	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Chromium	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Copper	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Cobalt	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Iron	**13**	AqTot	mg/L	8/24/10	200.8	DS
Lead	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Magnesium	**28**	AqTot	mg/L	8/24/10	200.8	DS
Manganese	**0.73**	AqTot	mg/L	8/24/10	200.8	DS
Mercury	< 0.0001	AqTot	mg/L	8/24/10	200.8	DS
Nickel	**0.009**	AqTot	mg/L	8/24/10	200.8	DS
Potassium	**22**	AqTot	mg/L	8/24/10	200.8	DS
Selenium	**0.018**	AqTot	mg/L	8/24/10	200.8	DS
Silver	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Sodium	**140**	AqTot	mg/L	8/24/10	200.8	DS
Thallium	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Vanadium	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Zinc	< 0.005	AqTot	mg/L	8/24/10	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-AE-3A-0810	GW-AE-3B-0810	GW-AE-3B-DUP-0810	GW-FPC-7A-0810					
Lab Sample ID:	92079.02	92079.03	92079.04	92079.05					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/19/10	8/20/10	8/20/10	8/20/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/20/10	8/20/10	8/20/10	8/20/10					
Aluminum	< 0.05	< 0.05	< 0.05	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Arsenic	**0.12**	**0.079**	**0.080**	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Barium	**0.069**	**0.13**	**0.13**	**0.003**	AqTot	mg/L	8/24/10	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Calcium	**40**	**41**	**41**	**12**	AqTot	mg/L	8/24/10	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Copper	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Cobalt	**0.003**	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Iron	**18**	**12**	**12**	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Iron	**17**	**12**	**12**	< 0.05	AqDis	mg/L	8/24/10	200.8	DS
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Magnesium	**19**	**21**	**21**	**3.9**	AqTot	mg/L	8/24/10	200.8	DS
Manganese	**0.76**	**0.95**	**0.98**	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Manganese	**0.74**	**0.94**	**0.97**	< 0.005	AqDis	mg/L	8/24/10	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	8/24/10	200.8	DS
Nickel	**0.007**	**0.006**	**0.006**	**0.004**	AqTot	mg/L	8/24/10	200.8	DS
Potassium	**20**	**19**	**19**	**2.0**	AqTot	mg/L	8/24/10	200.8	DS
Selenium	**0.004**	**0.005**	**0.005**	**0.001**	AqTot	mg/L	8/24/10	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Sodium	**73**	**82**	**82**	**9**	AqTot	mg/L	8/24/10	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Vanadium	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Zinc	< 0.005	< 0.005	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-FPC-7B-0810	GW-AE-3B-FB-0810	Analytical Matrix	Units	Date of Analysis	Method	Analyst
Lab Sample ID:	92079.06	92079.07					
Matrix:	aqueous	aqueous					
Date Sampled:	8/20/10	8/20/10					
Date Received:	8/20/10	8/20/10					
Aluminum	< 0.05	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Antimony	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Arsenic	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Barium	**0.003**	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Beryllium	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Calcium	**15**	**0.07**	AqTot	mg/L	8/24/10	200.8	DS
Cadmium	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Chromium	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Copper	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Cobalt	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Iron	< 0.05	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Iron	< 0.05	< 0.05	AqDis	mg/L	8/24/10	200.8	DS
Lead	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Magnesium	**4.1**	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Manganese	**0.014**	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Manganese	< 0.005	< 0.005	AqDis	mg/L	8/24/10	200.8	DS
Mercury	< 0.0001	< 0.0001	AqTot	mg/L	8/24/10	200.8	DS
Nickel	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Potassium	**1.9**	< 0.05	AqTot	mg/L	8/24/10	200.8	DS
Selenium	**0.001**	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Silver	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Sodium	**9**	< 5	AqTot	mg/L	8/24/10	200.8	DS
Thallium	< 0.001	< 0.001	AqTot	mg/L	8/24/10	200.8	DS
Vanadium	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS
Zinc	< 0.005	< 0.005	AqTot	mg/L	8/24/10	200.8	DS

QC REPORT

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	< 0.05	12 (108 %R)		mg/L	8/24/10	85 - 115	20	200.8
Antimony	< 0.001	1.0 (100 %R)		mg/L	8/24/10	85 - 115	20	200.8
Arsenic	< 0.001	1.0 (101 %R)		mg/L	8/24/10	85 - 115	20	200.8
Barium	< 0.001	1.0 (100 %R)		mg/L	8/24/10	85 - 115	20	200.8
Beryllium	< 0.001	1.1 (108 %R)		mg/L	8/24/10	85 - 115	20	200.8
Calcium	< 0.05	12 (108 %R)		mg/L	8/24/10	85 - 115	20	200.8
Cadmium	< 0.001	0.99 (99 %R)		mg/L	8/24/10	85 - 115	20	200.8
Chromium	< 0.001	0.97 (97 %R)		mg/L	8/24/10	85 - 115	20	200.8
Copper	< 0.001	0.91 (91 %R)		mg/L	8/24/10	85 - 115	20	200.8
Cobalt	< 0.001	0.97 (97 %R)		mg/L	8/24/10	85 - 115	20	200.8
Iron	< 0.05	12 (105 %R)		mg/L	8/24/10	85 - 115	20	200.8
Iron	< 0.05	12 (105 %R)		mg/L	8/24/10	85 - 115	20	200.8
Lead	< 0.001	0.99 (99 %R)		mg/L	8/24/10	85 - 115	20	200.8
Magnesium	< 0.05	12 (108 %R)		mg/L	8/24/10	85 - 115	20	200.8
Manganese	< 0.005	0.99 (99 %R)		mg/L	8/24/10	85 - 115	20	200.8
Manganese	< 0.005	0.99 (99 %R)		mg/L	8/24/10	85 - 115	20	200.8
Mercury	< 0.0001	0.0010 (105 %R)		mg/L	8/24/10	85 - 115	20	200.8
Nickel	< 0.001	0.94 (94 %R)		mg/L	8/24/10	85 - 115	20	200.8
Potassium	< 0.05	12 (108 %R)		mg/L	8/24/10	85 - 115	20	200.8
Selenium	< 0.001	1.0 (100 %R)		mg/L	8/24/10	85 - 115	20	200.8
Silver	< 0.001	0.11 (112 %R)		mg/L	8/24/10	85 - 115	20	200.8
Sodium	< 5	12 (109 %R)		mg/L	8/24/10	85 - 115	20	200.8
Thallium	< 0.001	1.0 (101 %R)		mg/L	8/24/10	85 - 115	20	200.8
Vanadium	< 0.005	1.0 (100 %R)		mg/L	8/24/10	85 - 115	20	200.8
Zinc	< 0.005	0.98 (98 %R)		mg/L	8/24/10	85 - 115	20	200.8

Totals

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.

QC REPORT

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	92079.03	< 0.05	9.8 (89 %R)	9.8 (89 %R) (0 RPD)	mg/L	8/24/10	70-130	20	200.8
Antimony	92079.03	< 0.001	1.0 (104 %R)	1.0 (104 %R) (0 RPD)	mg/L	8/24/10	70-130	20	200.8
Arsenic	92079.03	0.079	1.1 (98 %R)	1.0 (96 %R) (2 RPD)	mg/L	8/24/10	70-130	20	200.8
Barium	92079.03	0.13	1.2 (104 %R)	1.2 (103 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8
Beryllium	92079.03	< 0.001	0.83 (83 %R)	0.84 (84 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8
Calcium	92079.03	41	52 (98 %R)	51 (90 %R) (9 RPD)	mg/L	8/24/10	70-130	20	200.8
Cadmium	92079.03	< 0.001	0.96 (96 %R)	0.96 (96 %R) (0 RPD)	mg/L	8/24/10	70-130	20	200.8
Chromium	92079.03	< 0.001	0.78 (78 %R)	0.79 (79 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8
Copper	92079.03	< 0.001	0.71 (71 %R)	0.71 (71 %R) (0 RPD)	mg/L	8/24/10	70-130	20	200.8
Cobalt	92079.03	< 0.001	0.78 (78 %R)	0.78 (78 %R) (0 RPD)	mg/L	8/24/10	70-130	20	200.8
Iron	92079.03	12	22 (89 %R)	22 (90 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8
Iron	92079.03	12	22 (89 %R)	22 (89 %R) (0 RPD)	mg/L	8/24/10	70-130	20	200.8
Lead	92079.03	< 0.001	0.94 (94 %R)	0.92 (92 %R) (2 RPD)	mg/L	8/24/10	70-130	20	200.8
Magnesium	92079.03	21	30 (90 %R)	30 (87 %R) (3 RPD)	mg/L	8/24/10	70-130	20	200.8
Manganese	92079.03	0.94	1.7 (78 %R)	1.7 (79 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8
Manganese	92079.03	0.95	1.8 (86 %R)	1.8 (87 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8
Mercury	92079.03	< 0.0001	0.0010 (99 %R)	0.0010 (96 %R) (3 RPD)	mg/L	8/24/10	70-130	20	200.8
Nickel	92079.03	0.006	0.75 (74 %R)	0.75 (74 %R) (0 RPD)	mg/L	8/24/10	70-130	20	200.8
Potassium	92079.03	19	29 (93 %R)	29 (90 %R) (3 RPD)	mg/L	8/24/10	70-130	20	200.8
Selenium	92079.03	0.005	0.92 (92 %R)	0.92 (91 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8
Silver	92079.03	< 0.001	0.76 (76 %R)	0.77 (77 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8
Sodium	92079.03	82	190 (106 %R)	190 (104 %R) (2 RPD)	mg/L	8/24/10	70-130	20	200.8
Thallium	92079.03	< 0.001	0.96 (96 %R)	0.95 (95 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8
Vanadium	92079.03	< 0.005	0.82 (82 %R)	0.82 (82 %R) (0 RPD)	mg/L	8/24/10	70-130	20	200.8
Zinc	92079.03	< 0.005	0.75 (75 %R)	0.75 (75 %R) (0 RPD)	mg/L	8/24/10	70-130	20	200.8

Totals

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.
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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.

QC REPORT

Eastern Analytical, Inc. ID#: 92079

Client: **Provan & Lorber (Co)** Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Iron	< 0.05	12 (105 %R)		mg/L	8/24/10	85 - 115	20	200.8
Manganese	< 0.005	0.99 (99 %R)		mg/L	8/24/10	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	92079.03	12	22 (89 %R)	22 (90 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8
Manganese	92079.03	0.94	1.7 (78 %R)	1.7 (79 %R) (1 RPD)	mg/L	8/24/10	70-130	20	200.8

Dissolved

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.
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* Flagged analyte recoveries deviated from the QA/QC limits.

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

92079

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: 524.2 524.2 BTEX 524.2 MTBE ONLY; 624 (8260B) VTICS; 1,4 DIOXANE EDB DBCP; 8021B BTEX HALOS; 8015B GRO MEGRO MAVPH	SVOC: 8270C 625 SVTICS ABN A BN PAH; TPH8100 LI 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 NO2 NO3/NO3; BOD CBOD T. ALK.; TKN NH3 T. PHOS.; PH T. RES. CHLORINE; COD PHENOLS TOC; TOTAL CYANIDE TOTAL SULFIDE; REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: T. COLIFORM E. COLI; ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER: 1,4-DIOXANE; EDB, DBCP	# OF CONTAINERS	NOTES MEOH VIAL #
GW-MW-5D-0810	8-19-10/14:00	GW	G	X			X			X	7	
GW-AE-3A-0810	" 19:20			X			X X			X X	8	
GW-AE-3B-0810	8-20-10/13:30			X			X X			X X	16	
GW-AE-3B-DUP-0810	13:30			X			X X				4	
GW-FPC-7A-0810	11:05						X X				2	
GW-FPC-7B-0810	10:25						X X				2	
GW-AE-3B-FB-0810	12:45			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

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: Coakley Landfill

PROJECT #: P0081

STATE: (NH) MA ME VT OTHER:

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

QUOTE #: 1008260 PO #:

DATE NEEDED: Standard T.A.T

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

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Kevin McKibben	8-20-10	15:35	K. Zink-Martens

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

OTHER METALS: Total 23 TAL metals

DISSOLVED METALS FIELD FILTERED? (YES) NO

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

MS + MSD for sample GW-AE-3B-0810 for VOCs, Total metals Dissolved Fe, Mn

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)

8260B
Volatile Organic Analysis

Initial Calibration

IS/SS ID= V-3656 (refilled IS/SS)

Standard ID= V-3661A

Analyst: WJP

Gas Standard ID= V-3662

LCS/LCSD and/or MS/MSD Standard ID= V-3661 (L) V-3653(G)

Date: 7/

FAILED 8260 tune. Tried on STD 20 then split. Gas is good. Will do continuing tune.

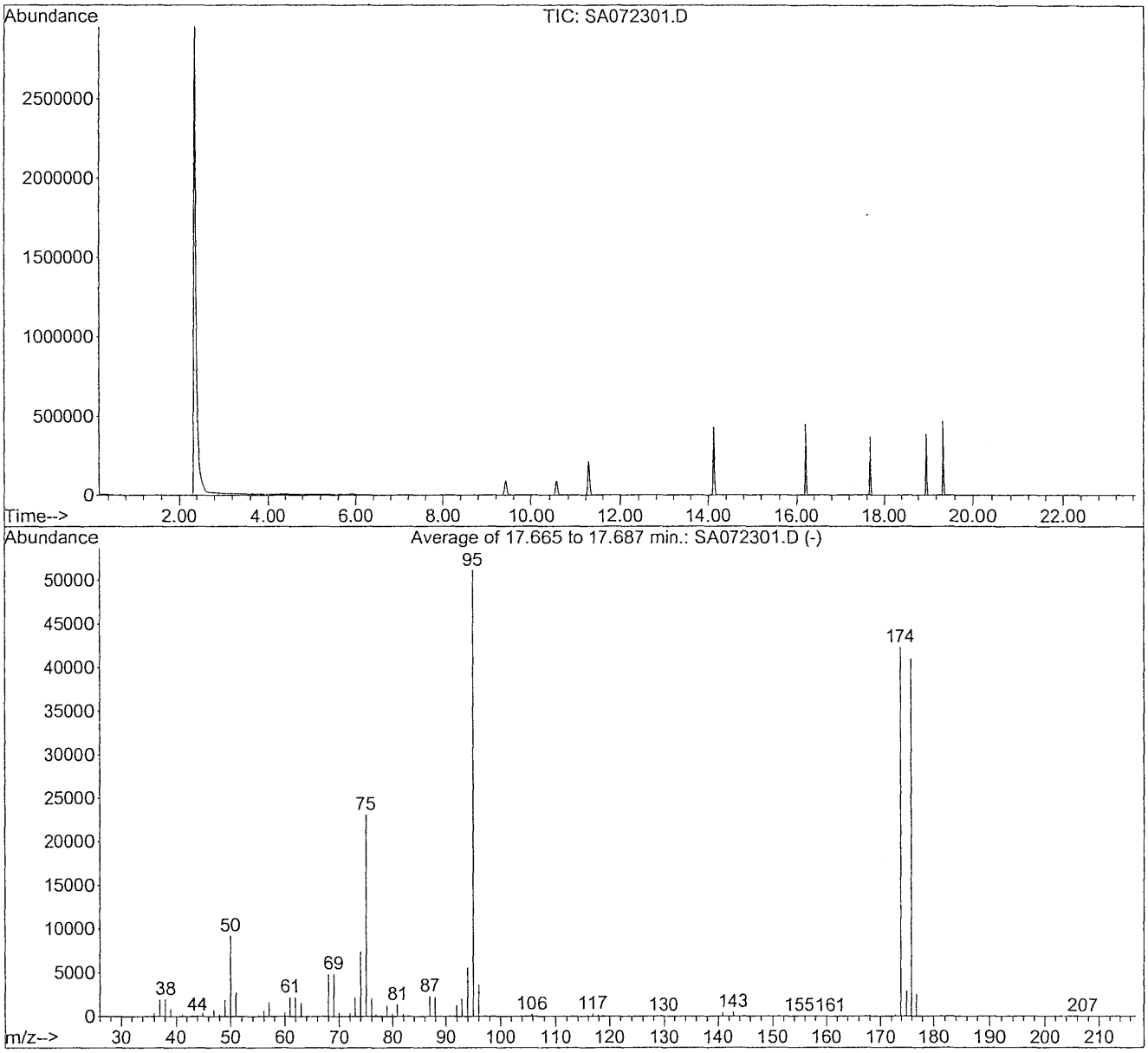
ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Metn	Anal Metn	Comments	pH<2	A
1	SAD72801	BFB					VOCMS	4VID0723	Autotune BFB		
2	02	BFB 25ng					VOCMS	4VID0723	~~FB: 314227~~ Autotune BFB		
3	03	0.2 (G) & 0.25 (M)					VOCMS	4VID0723 & 4LID0723	FB: 314227		
4	04	0.5 STD					VOCMS		FB 315761		
5	05	1 STD					VOCMS		FB 311532		
6	06	100 M					VOCMS		FB 332634		
7	07	50 G					VOCMS		FB 329835		
8	08	100 G					VOCMS		FB 331781		
9	09	2 STD					VOCMS		FB 328012		
10	10	5 STD					VOCMS		FB 330299		
11	11	10 STD					VOCMS		FB 334613		
12	12	20 STD					VOCMS	↓	FB 335008		
13	13	200 G					VOCMS	4VID0723	FB 339708		
14	14	50 M					VOCMS	4VID0723 & 4LID0723	FB 340281		
15	15	300 G					VOCMS	4VID0723	FB 348523		
16	16	200 M 2 STD					VOCMS		FB 330990		
17	17	~~Blank 200M~~ 1STD					VOCMS		FB 330004		
18	18	~~LCS 20 "G" Blank~~ 200M					VOCMS		FB		
19	19	Blank ~~LCS 20 "G"~~ LCS B					VOCMS		LCSG:		
20	20	~~300 M LCSG~~ Blank					VOCMS		FB		
21	21	Blank 300'					VOCMS		FB 337792 (7:30)		
22	22	Blank					VOCMS				
23	23	Blank					VOCMS				
24	24	LCS 20 "L" B					VOCMS		preserved		
25	25	Blank LCS					VOCMS				
26	26	Blank					VOCMS				
27	27	Blank					VOCMS				
28	28	Blank					VOCMS				
29	29						VOCMS				
30	30						VOCMS				
31	31						VOCMS				
32	32						VOCMS				
33							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				

COPY

7/23/10

Samples removed from autosampler, order and pH verified by _____

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072301.D Vial: 1
Acq On : 23 Jul 2010 7:33 am Operator: KJP
Sample : BFB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane



Spectrum Information: Average of 17.665 to 17.687 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	9215	PASS
75	95	30	60	45.2	23143	PASS
95	95	100	100	100.0	51157	PASS
96	95	5	9	7.1	3614	PASS
173	174	0.00	2	0.5	202	PASS
174	95	50	100	82.8	42333	PASS
175	174	5	9	6.9	2916	PASS
176	174	95	101	96.8	40994	PASS
177	176	5	9	6.2	2531	PASS

Response Factor Report VOAMS4

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration

Calibration Files
1 =SA072305.D 10 =SA072311.D 20 =SA072312.D
50 =SA072314.D 100 =SA072306.D 200 =SA072318.D

		Compound	1	10	20	50	100	200	Avg	%RSD
1)	I	Fluorobenzene IS	----------	ISTD	----------					
2)		dichlorodifluorom		0.290	0.282				0.293	7.45
3)	P	chloromethane		0.271	0.268				0.267	3.27
4)	C	vinyl chloride		0.184	0.148				0.182	13.50#
5)		bromomethane		0.148	0.144				0.144	6.88
6)		chloroethane		0.154	0.151				0.151	6.30
7)		trichlorofluorome		0.345	0.336				0.344	8.41
8)		diethyl ether	0.151	0.143	0.150	0.151	0.154	0.147	0.146	5.42
9)		1,1,2-Trichlorotr	0.117	0.111	0.103	0.119	0.120	0.118	0.111	8.36
10)		acrolein		0.029	0.031				0.032	9.17
11)		acetone		0.075	0.062	0.075	0.058	0.055	0.063	12.98
12)	MC	1,1-dichloroethen	0.195	0.184	0.170	0.195	0.201	0.191	0.177	12.48
13)		tert-Butyl Alcoho		0.015	0.015	0.014	0.014	0.016	0.015	9.86
14)		iodomethane							0.000	-1.00
15)		methylene chlorid	0.259	0.224	0.224	0.226	0.227	0.210	0.224	6.81
16)		carbon disulfide	0.571	0.584	0.584	0.668	0.688	0.597	0.580	11.66
17)		acrylonitrile		0.090	0.090	0.087	0.088	0.078	0.085	6.03
18)		Methyl-t-butyl et	0.503	0.491	0.503	0.496	0.504	0.476	0.480	6.49
19)		trans-1,2-dichlor	0.265	0.250	0.246	0.269	0.243	0.268	0.240	12.18
20)		hexane		0.054	0.051	0.065	0.066	0.068	0.059	13.90
21)		Isopropyl ether (	0.717	0.787	0.822	0.866	0.881	0.840	0.787	10.09
22)		vinyl acetate		0.369	0.415				0.444	11.66
23)	P	1,1-dichloroethan	0.513	0.480	0.478	0.513	0.520	0.506	0.478	9.31
24)		Ethyl-t-butyl eth		0.615	0.663	0.694	0.714	0.716	0.652	11.48
25)		2,2-dichloropropa	0.266	0.269	0.273	0.322	0.329	0.347	0.287	16.45
26)		cis-1,2-dichloroe	0.266	0.277	0.286	0.298	0.301	0.290	0.277	7.30
27)		2-butanone (MEK)		0.106	0.103	0.113	0.106	0.110	0.106	8.60
28)		bromochloromethan	0.135	0.133	0.138	0.140	0.143	0.140	0.135	5.01
29)		Tetrahydrofuran (		0.055	0.059	0.062	0.064	0.067	0.060	15.05
30)	C	chloroform	0.515	0.466	0.466	0.484	0.486	0.471	0.467	6.04#
31)	S	SS dibromofluorom	0.272	0.264	0.262	0.266	0.260	0.261	0.263	2.08
32)		1,1,1-trichloroet	0.334	0.336	0.333	0.376	0.391	0.391	0.350	11.21
33)		carbon tetrachlor	0.246	0.255	0.255	0.309	0.327	0.334	0.275	18.97
34)		1,1-dichloroprope	0.276	0.294	0.300	0.352	0.362	0.354	0.315	14.56
35)	S	SS 1,2-DCA-d4_MS	0.323	0.318	0.316	0.311	0.307	0.301	0.314	1.93
36)		tert-amyl methyl		0.467	0.498	0.528	0.549	0.563	0.500	14.04
37)	M	benzene	1.002	1.015	1.014	1.064	1.045	0.943	0.958	10.11
38)		1,2-dichloroethan	0.399	0.388	0.388	0.384	0.384	0.357	0.377	5.42
39)	M	trichloroethene	0.259	0.247	0.250	0.277	0.283	0.271	0.254	9.13
40)	C	1,2-dichloropropa	0.289	0.283	0.289	0.299	0.302	0.283	0.280	6.26#
41)		1,4-dioxane		0.002	0.002	0.002	0.002	0.002	0.002	16.64
42)		dibromomethane	0.189	0.178	0.179	0.180	0.180	0.171	0.172	8.26
43)		bromodichlorometh	0.300	0.321	0.340	0.364	0.375	0.360	0.319	15.63
44)		2-Chloroethoxyeth		0.136	0.155				0.146	22.20
45)		4-methyl-2-pentan		0.079	0.086	0.085	0.088	0.092	0.084	13.09
46)		cis-1,3-dichlorop		0.356	0.396	0.427	0.439	0.417	0.378	14.68
47)	I	Chlorobenzene-D5 IS	----------	ISTD	----------					
48)	S	SS toluene-d8_MS	1.316	1.329	1.306	1.292	1.312	1.306	1.307	1.14
49)	MC	toluene	1.348	1.384	1.370	1.402	1.395	1.242	1.272	11.02
50)		trans-1,3-dichlor		0.437	0.472	0.509	0.540	0.529	0.455	17.78
51)		1,1,2-trichloroet	0.292	0.278	0.279	0.275	0.281	0.260	0.272	6.01
52)		2-hexanone		0.195	0.200	0.221	0.211	0.207	0.198	13.26
53)		tetrachloroethene	0.300	0.298	0.281	0.308	0.316	0.300	0.285	7.69
54)		1,3-dichloropropa	0.499	0.552	0.544	0.532	0.550	0.509	0.517	6.13
55)		dibromochlorometh		0.297	0.322	0.345	0.368	0.361	0.316	15.30
56)		1,2-dibromoethane	0.269	0.314	0.322	0.323	0.331	0.319	0.306	7.33
57)	MP	chlorobenzene	0.983	0.921	0.904	0.925	0.921	0.808	0.876	9.43
58)		1,1,1,2-tetrachlo	0.253	0.292	0.304	0.320	0.320	0.287	0.281	10.45
59)	C	ethylbenzene	1.227	1.381	1.349	1.404	1.339	1.106	1.233	13.05#
60)		mp-xylene	0.438	0.507	0.500	0.510	0.491	0.406	0.451	14.82

61)		o-xylene	0.393	0.503	0.507	0.524	0.529	0.477	0.466	11.40
62)		styrene	0.710	0.952	0.953	0.964	0.939	0.837	0.855	11.85
63)	P	bromoform	0.135	0.180	0.196	0.216	0.237	0.237	0.190	22.53
64)		iso-propylbenzene	0.751	0.920	0.912	0.992	1.011	0.909	0.873	12.64
65)	S	SS 4-BFB_MS	0.490	0.516	0.500	0.504	0.509	0.514	0.494	3.13
66)	I	1,4-Dichlorobenzene-D	----------	----------	----------	ISTD	----------	----------	----------	
67)		bromobenzene	0.834	0.853	0.850	0.869	0.839	0.780	0.813	6.48
68)	P	1,1,2,2-tetrachlo	0.891	0.926	0.923	0.919	0.912	0.879	0.896	3.65
69)		1,2,3-trichloropr	0.267	0.255	0.252	0.246	0.249	0.245	0.246	5.08
70)		t-1,4-dichloro-2-							0.000	-1.00
71)		n-propylbenzene	2.562	2.785	2.688	2.984	2.896	2.553	2.595	10.52
72)		2-chlorotoluene	2.079	2.246	2.166	2.287	2.225	2.141	2.112	6.85
73)		4-chlorotoluene	2.075	2.150	2.104	2.228	2.154	1.791	1.993	10.51
74)		1,3,5-trimethylbe	1.433	1.877	1.824	1.984	1.972	1.814	1.728	12.08
75)		tert-butylbenzene	1.284	1.476	1.491	1.665	1.645	1.527	1.429	12.03
76)		1,2,4-trimethylbe	1.626	2.028	2.007	2.123	2.060	1.892	1.866	10.61
77)		sec-butylbenzene	1.744	2.027	1.968	2.198	2.139	1.976	1.897	11.05
78)		1,3-dichlorobenze	1.257	1.276	1.245	1.293	1.271	1.152	1.214	7.58
79)		p-isopropyltoluen	1.344	1.704	1.678	1.910	1.858	1.702	1.597	13.91
80)		1,4-dichlorobenze	1.427	1.340	1.300	1.327	1.303	1.164	1.271	10.20
81)		1,2-dichlorobenze	1.362	1.308	1.278	1.299	1.263	1.142	1.245	9.32
82)		n-butylbenzene	1.346	1.626	1.561	1.768	1.695	1.549	1.496	12.28
83)	S	SS 1,2-DCB-D4_MS	0.945	0.929	0.939	0.928	0.919	0.919	0.937	1.50
84)		1,2-dibromo-3-chl	0.082	0.109	0.121	0.135	0.143	0.149	0.121	22.63
85)		1,3,5-trichlorobe	0.691	0.760	0.723	0.781	0.784	0.725	0.718	7.45
86)		1,2,4-trichlorobe	0.545	0.624	0.629	0.683	0.683	0.650	0.611	9.22
87)		hexachlorobutadie	0.367	0.349	0.325	0.363	0.358	0.347	0.347	14.19
88)		naphthaleneV		1.316	1.445	1.525	1.555	1.509	1.369	15.32
89)		1,2,3-trichlorobe	0.474	0.530	0.551	0.567	0.572	0.559	0.529	7.02
90)	S	SS 2,5-DBT_MS		0.133	0.147	0.162	0.174	0.182	0.165	17.72

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

4VID0723.M Tue Aug 31 15:19:18 2010

Compound List Report VOAMS4

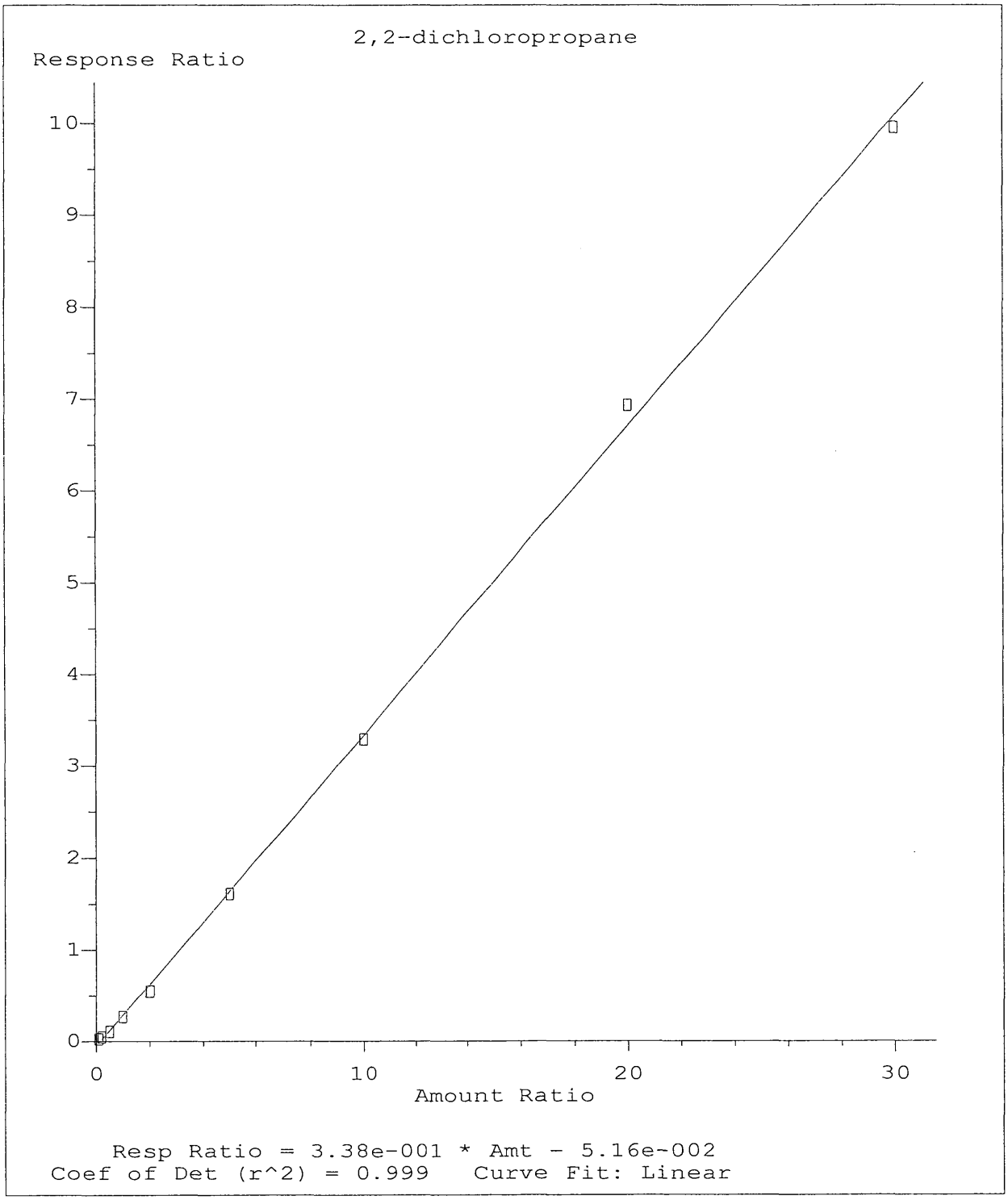
Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
Total Cpnds : 90

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene IS	96	11.28	1.000	A	2	A	B
2		dichlorodifluoromethane	85	2.56	0.227	A	2	A	B
3	P	chloromethane	50	2.87	0.254	A	1	A	B
4	C	vinyl chloride	62	2.99	0.265	A	1	A	B
5		bromomethane	94	3.58	0.317	A	1	A	B
6		chloroethane	64	3.67	0.325	A	2	A	B
7		trichlorofluoromethane	101	4.02	0.356	A	1	A	B
8		diethyl ether	59	4.47	0.396	A	2	A	B
9		1,1,2-Trichlorotrifluoroethane	101	4.69	0.416	A	2	A	B
10		acrolein	56	4.68	0.415	A	1	A	B
11		acetone	43	4.79	0.424	A	1	A	B
12	MC	1,1-dichloroethene	96	5.00	0.443	A	2	A	B
13		tert-Butyl Alcohol (TBA)	59	5.15	0.457	A	1	A	B
14		iodomethane	142	5.56	0.493	A	2	A	B
15		methylene chloride	84	5.89	0.522	A	1	A	B
16		carbon disulfide	76	5.91	0.523	A	1	A	B
17		acrylonitrile	53	6.14	0.545	A	2	A	B
18		Methyl-t-butyl ether (MTBE)	73	6.18	0.548	A	3	A	B
19		trans-1,2-dichloroethene	96	6.45	0.572	A	2	A	B
20		hexane	57	6.58	0.583	A	3	A	B
21		Isopropyl ether (DIPE)	45	7.10	0.630	A	2	A	B
22		vinyl acetate	43	7.34	0.651	A	1	A	B
23	P	1,1-dichloroethane	63	7.32	0.649	A	1	A	B
24		Ethyl-t-butyl ether (ETBE)	59	7.96	0.706	A	2	A	B
25		2,2-dichloropropane	77	8.50	0.753	L	1	A	B
26		cis-1,2-dichloroethene	96	8.60	0.762	A	2	A	B
27		2-butanone (MEK)	43	8.23	0.730	A	2	A	B
28		bromochloromethane	128	9.29	0.824	A	2	A	B
29		Tetrahydrofuran (THF)	42	9.38	0.831	A	2	A	B
30	C	chloroform	83	8.94	0.792	A	2	A	B
31	S	SS dibromofluoromethane_MS	111	9.42	0.835	A	3	A	B
32		1,1,1-trichloroethane	97	9.81	0.869	A	2	A	B
33		carbon tetrachloride	117	10.38	0.920	L	2	A	B
34		1,1-dichloropropene	75	10.17	0.902	A	2	A	B
35	S	SS 1,2-DCA-d4_MS	65	10.55	0.935	A	2	A	B
36		tert-amyl methyl ether (TAME)	73	10.46	0.927	A	2	A	B
37	M	benzene	78	10.78	0.955	A	1	A	B
38		1,2-dichloroethane	62	10.77	0.954	A	2	A	B
39	M	trichloroethene	95	12.09	1.072	A	2	A	B
40	C	1,2-dichloropropane	63	12.44	1.102	A	2	A	B
41		1,4-dioxane	88	12.93	1.146	A	2	A	B
42		dibromomethane	93	12.94	1.147	A	2	A	B
43		bromodichloromethane	83	12.85	1.139	L	2	A	B
44		2-Chloroethoxyethene	63	13.40	1.188	L	2	A	B
45		4-methyl-2-pentanone (MIBK)	58	13.45	1.192	A	3	A	B
46		cis-1,3-dichloropropene	75	13.76	1.220	A	2	A	B
47	I	Chlorobenzene-D5 IS	117	16.20	1.000	A	2	A	B
48	S	SS toluene-d8_MS	98	14.13	0.872	A	2	A	B
49	MC	toluene	91	14.24	0.879	A	1	A	B
50		trans-1,3-dichloropropene	75	14.52	0.896	L	2	A	B
51		1,1,2-trichloroethane	83	14.74	0.910	A	2	A	B
52		2-hexanone	43	14.76	0.911	A	2	A	B
53		tetrachloroethene	166	15.16	0.936	A	2	A	B
54		1,3-dichloropropane	76	15.10	0.932	A	2	A	B
55		dibromochloromethane	129	15.45	0.953	A	1	A	B
56		1,2-dibromoethane	107	15.72	0.970	A	1	A	B
57	MP	chlorobenzene	112	16.26	1.004	A	2	A	B
58		1,1,1,2-tetrachloroethane	131	16.31	1.006	A	2	A	B
59	C	ethylbenzene	91	16.32	1.007	A	1	A	B
60		mp-xylene	106	16.41	1.013	A	1	A	B
61		o-xylene	106	16.95	1.046	A	1	A	B
62		styrene	104	16.99	1.049	A	2	A	B
63	P	bromoform	173	17.41	1.075	L	2	A	B
64		iso-propylbenzene	105	17.37	1.072	A	1	A	B

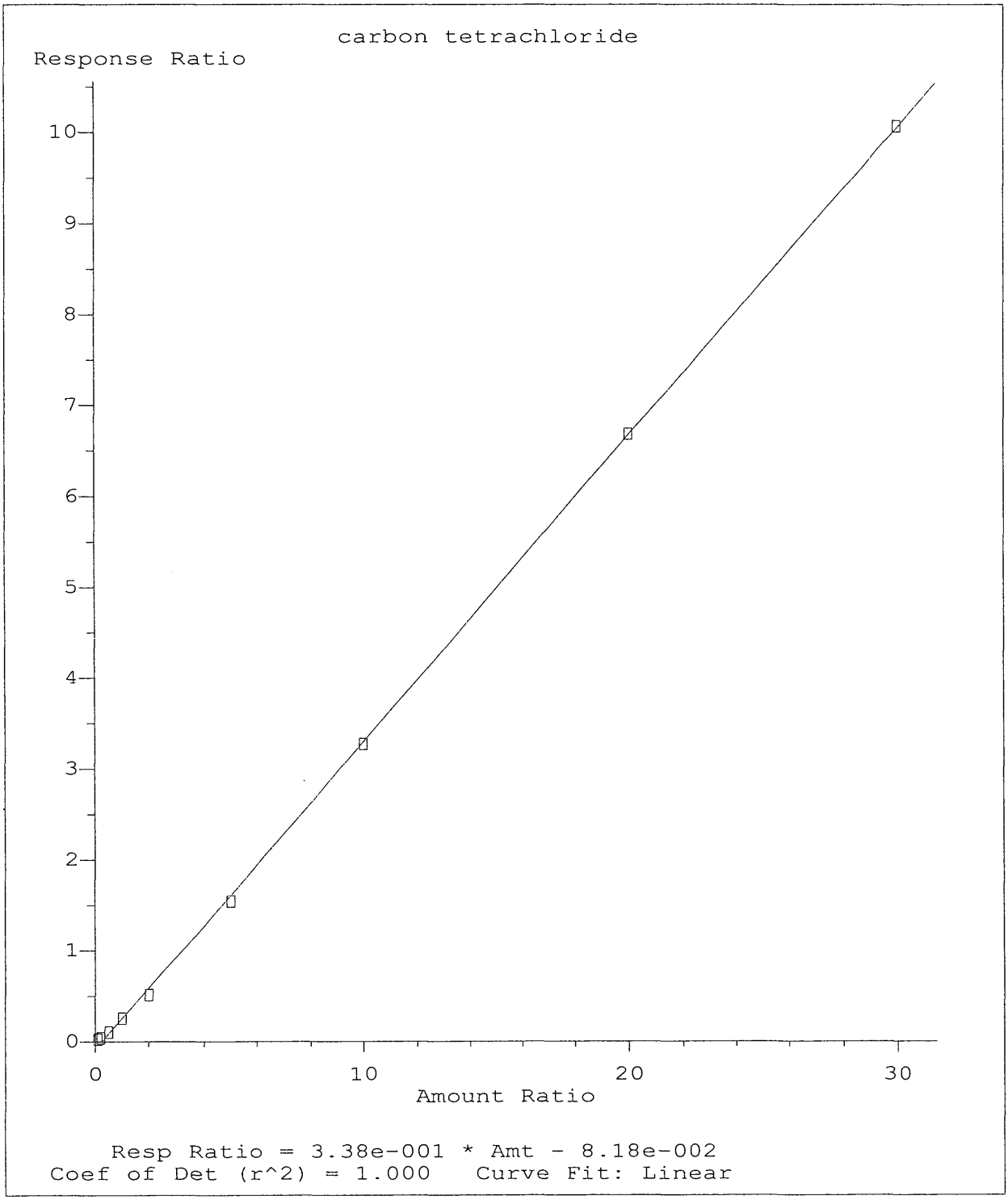
65	S	SS 4-BFB_MS	95	17.68	1.091	A	2	A	B
66	I	1,4-Dichlorobenzene-D4 IS	152	18.98	1.000	A	2	A	B
67		bromobenzene	156	17.90	0.943	A	2	A	B
68	P	1,1,2,2-tetrachloroethane	83	17.57	0.926	A	1	A	B
69		1,2,3-trichloropropane	110	17.74	0.935	A	1	A	B
70		t-1,4-dichloro-2-butene	53	17.81	0.938	A	3	A	B
71		n-propylbenzene	91	17.84	0.940	A	1	A	B
72		2-chlorotoluene	91	18.05	0.951	A	1	A	B
73		4-chlorotoluene	91	18.10	0.954	A	1	A	B
74		1,3,5-trimethylbenzene	105	18.01	0.949	A	1	A	B
75		tert-butylbenzene	119	18.42	0.970	A	1	A	B
76		1,2,4-trimethylbenzene	105	18.46	0.973	A	1	A	B
77		sec-butylbenzene	105	18.65	0.983	A	1	A	B
78		1,3-dichlorobenzeneV	146	18.91	0.996	A	2	A	B
79		p-isopropyltoluene	119	18.78	0.990	A	1	A	B
80		1,4-dichlorobenzeneV	146	19.01	1.002	A	2	A	B
81		1,2-dichlorobenzeneV	146	19.38	1.021	A	2	A	B
82		n-butylbenzene	91	19.19	1.011	A	1	A	B
83	S	SS 1,2-DCB-D4_MS	152	19.35	1.020	A	2	A	B
84		1,2-dibromo-3-chloropropane	75	20.10	1.059	L	2	A	B
85		1,3,5-trichlorobenzV	180	20.31	1.070	A	1	A	B
86		1,2,4-trichlorobenzV	180	20.96	1.105	A	2	A	B
87		hexachlorobutadieneV	225	21.09	1.111	A	2	A	B
88		naphthaleneV	128	21.26	1.120	A	1	A	B
89		1,2,3-trichlorobenzV	180	21.52	1.134	A	2	A	B
90	S	SS 2,5-DBT_MS	250	22.73	1.198	L	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

4VID0723.M Tue Aug 31 12:07:20 2010



Method Name: T:\1\METHODS\2010\4VID0723.M
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



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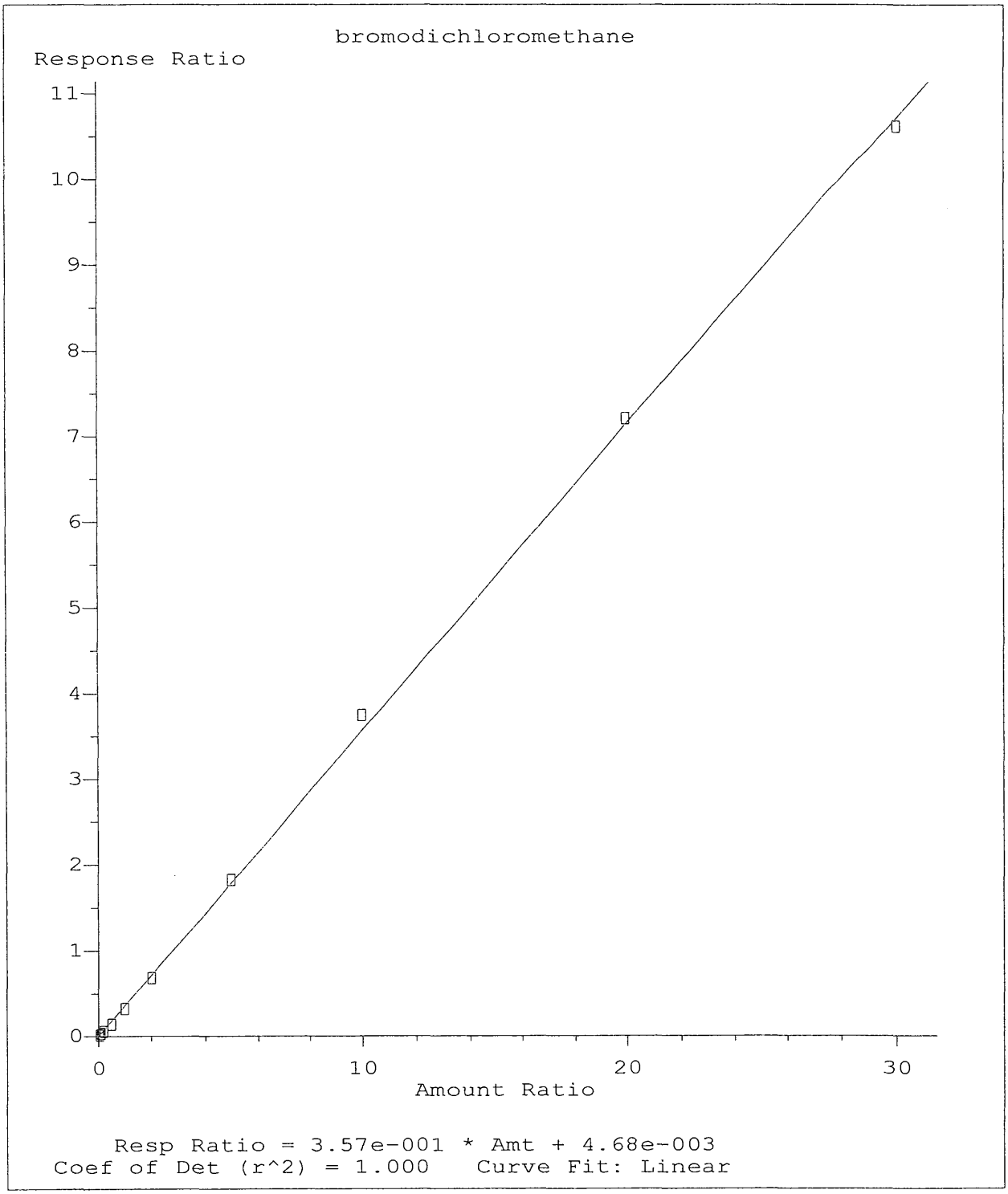
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



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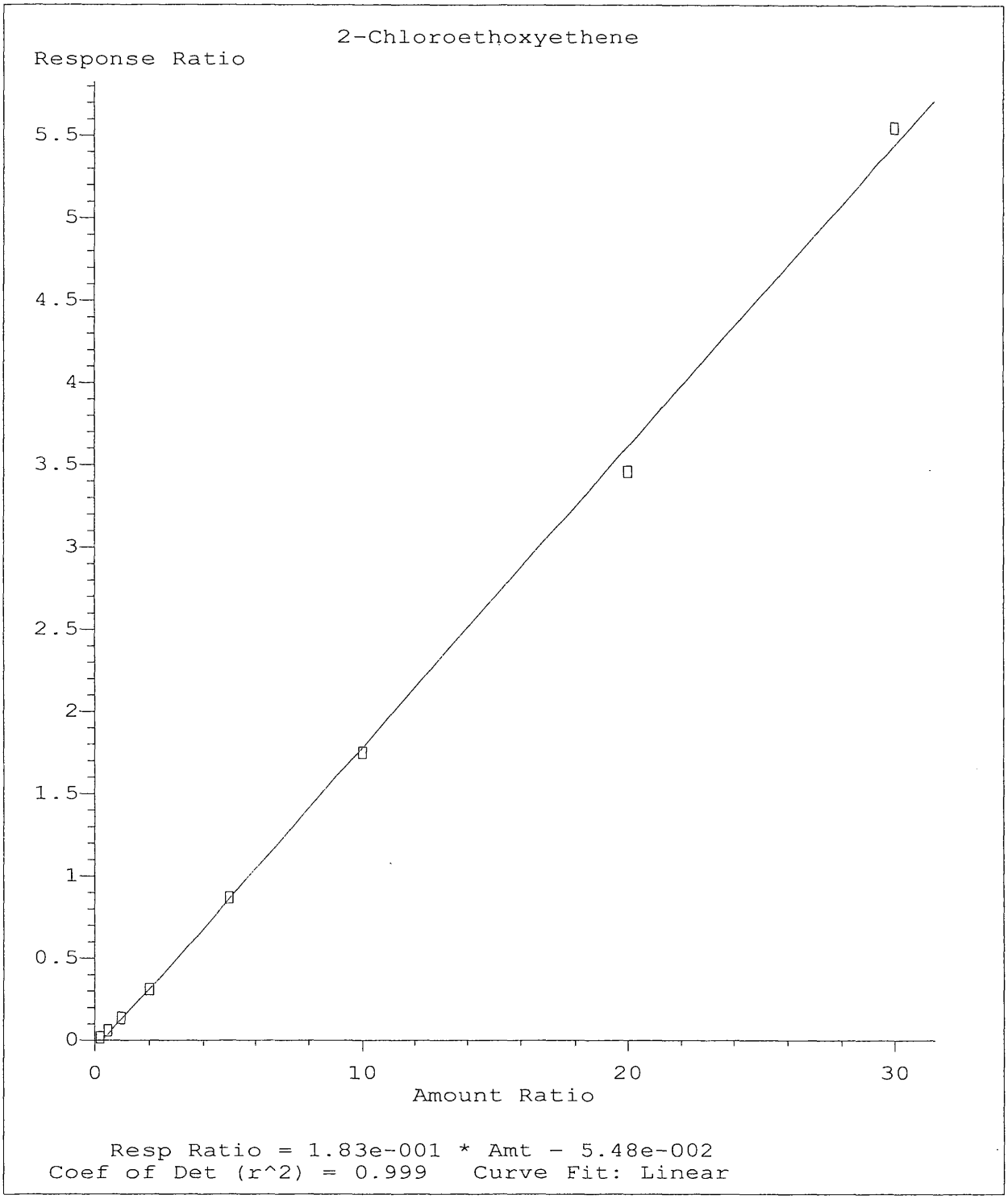
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



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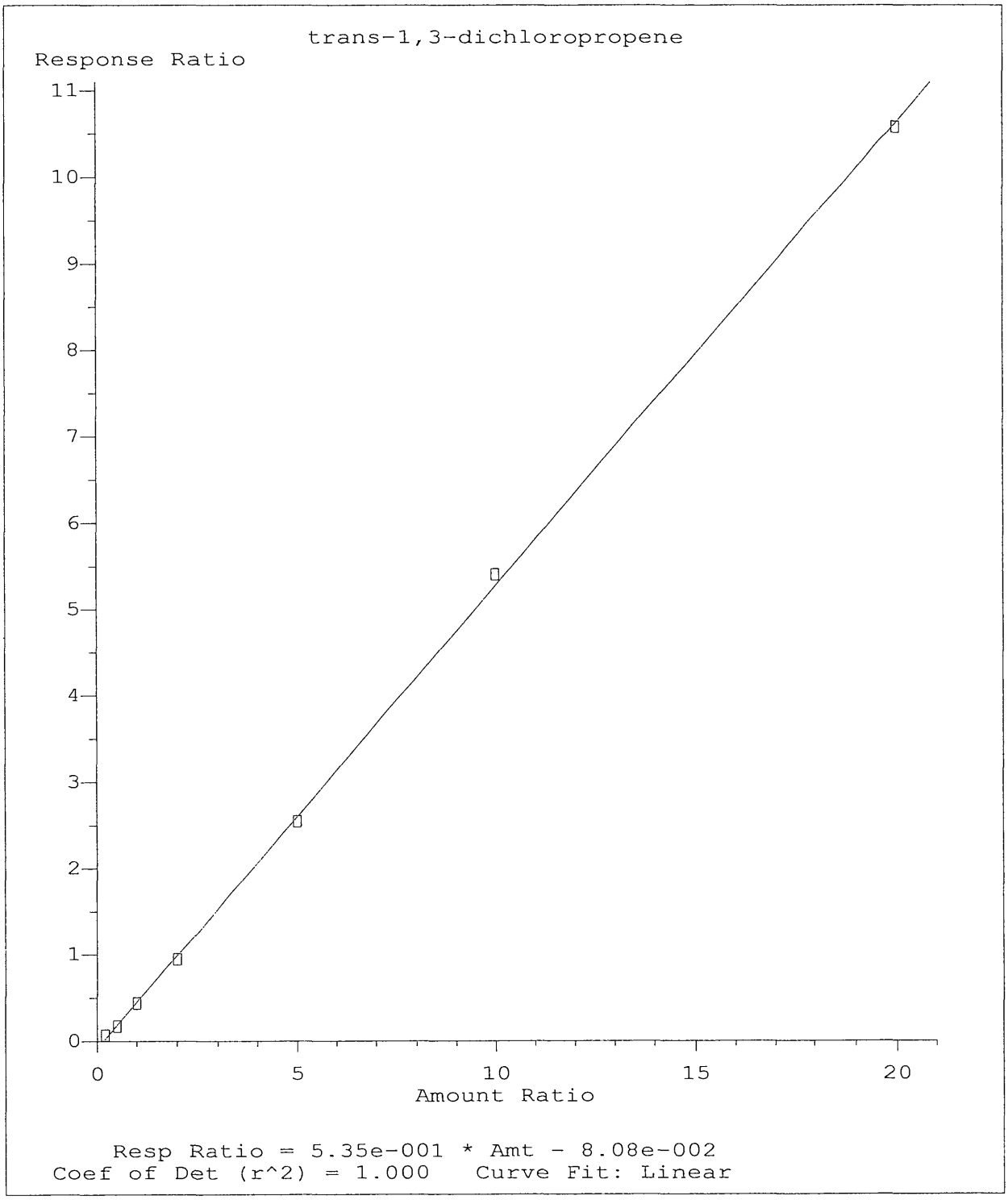
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



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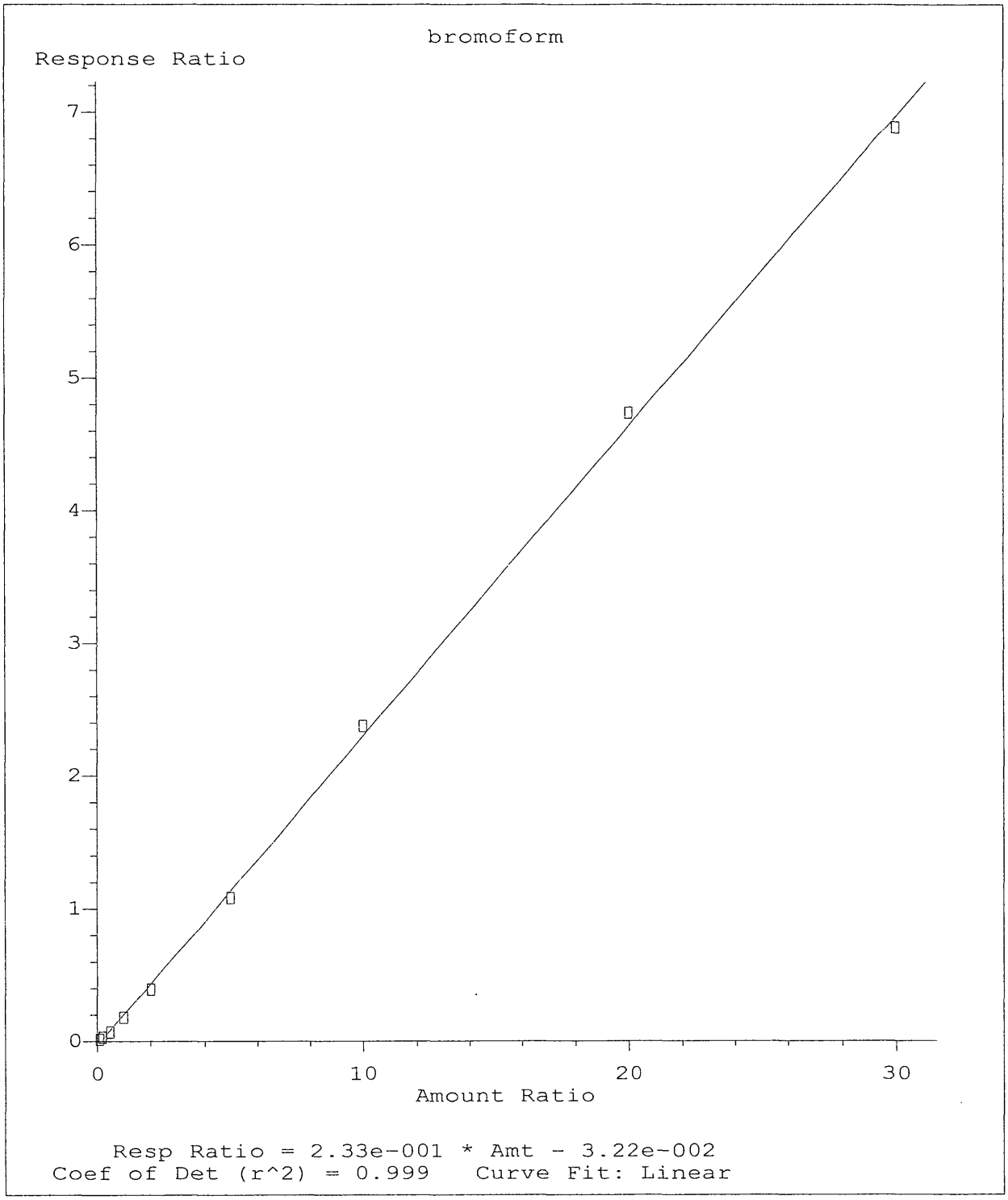
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



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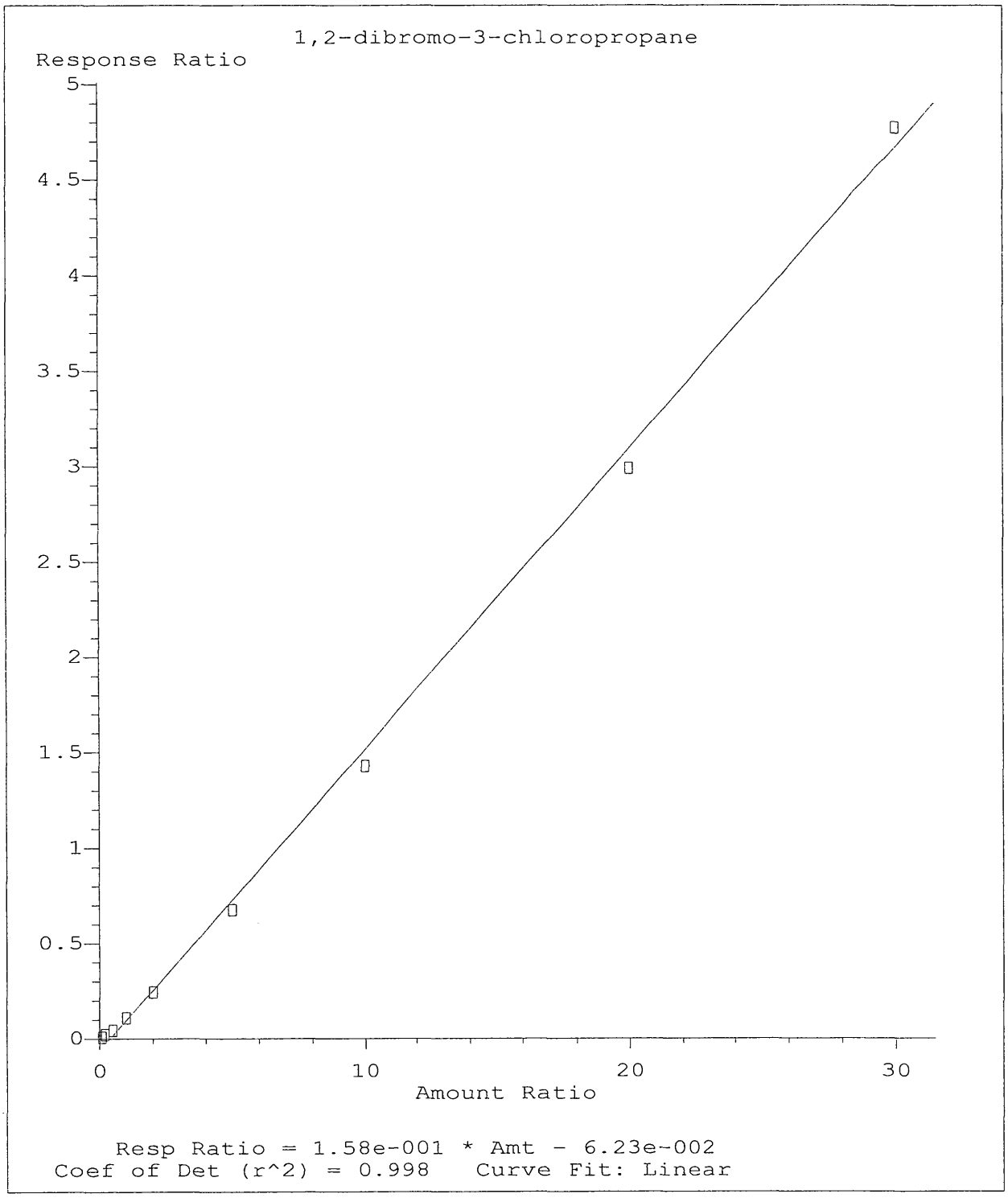
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



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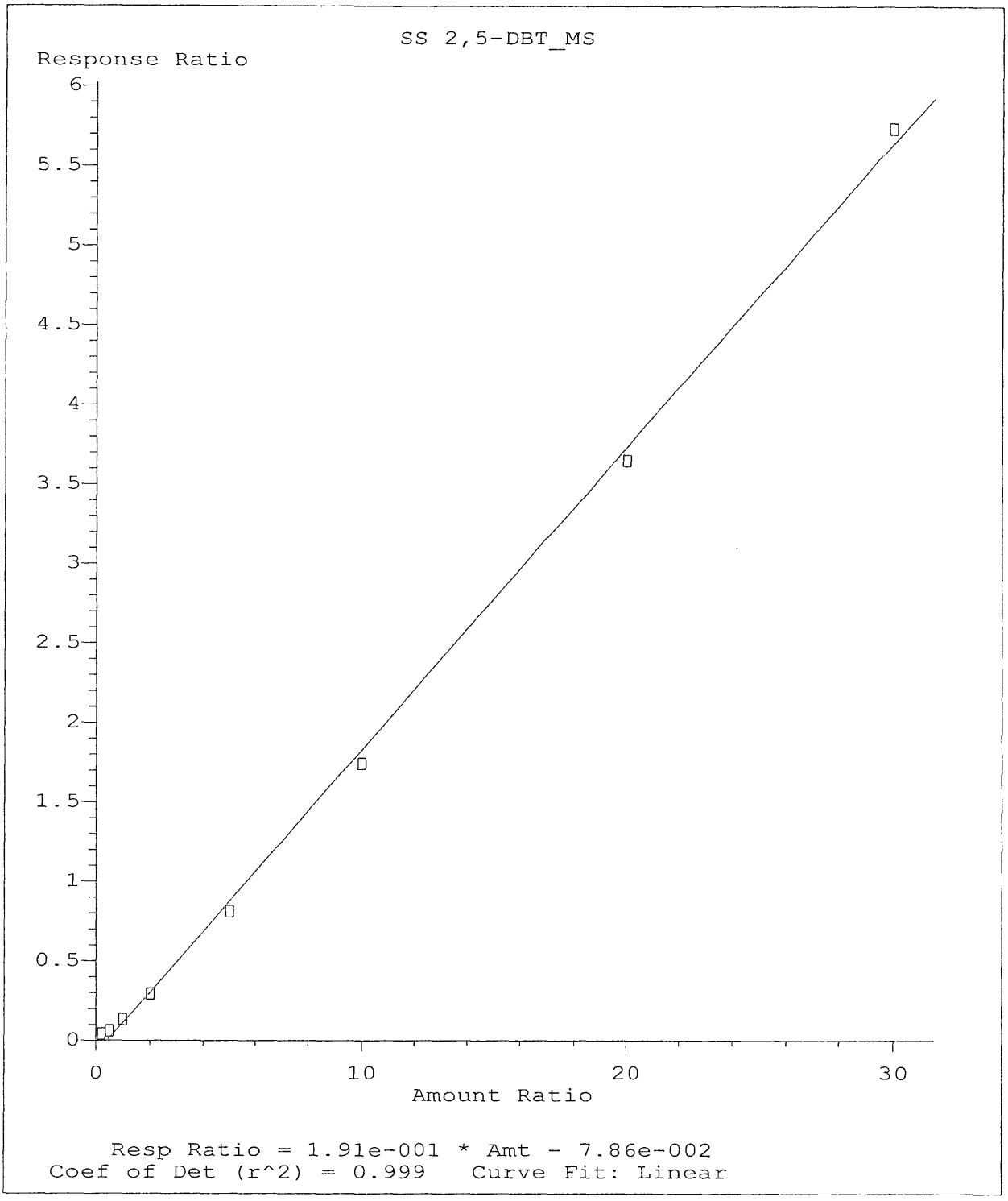
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010



Method Name: T:\1\METHODS\2010\4VID0723.M
Calibration Table Last Updated: Mon Jul 26 10:58:44 2010

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072304.D Vial: 4
Acq On : 23 Jul 2010 9:21 am Operator: KJP
Sample : 0.5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 10:54:45 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:54:41 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

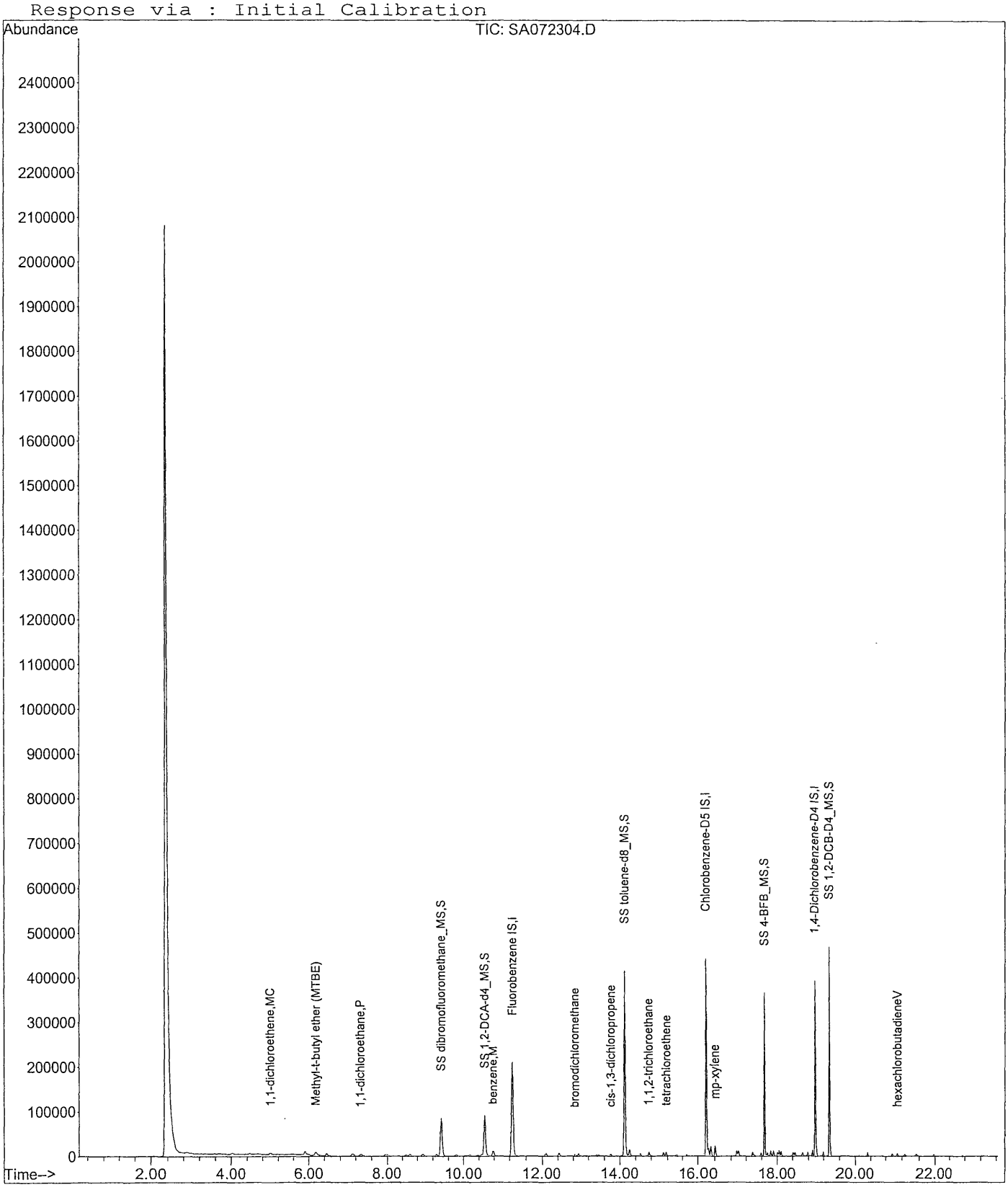
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	315761	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	236683	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	99440	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	83890	10.12	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.18%			
35) SS 1,2-DCA-d4_MS	10.55	65	101537	10.24	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.43%			
48) SS toluene-d8_MS	14.13	98	304521	9.84	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.44%			
65) SS 4-BFB_MS	17.68	95	111175	9.51	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.10%			
83) SS 1,2-DCB-D4_MS	19.35	152	95926	10.30	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.97%			
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
12) 1,1-dichloroethene	5.00	96	2111	0.378	ug/L	85
18) Methyl-t-butyl ether (MTBE	6.19	73	13079	0.862	ug/L #	86
23) 1,1-dichloroethane	7.32	63	5944	0.394	ug/L	95
37) benzene	10.77	78	11823	0.391	ug/L	99
43) bromodichloromethane	12.85	83	3476	0.177	ug/L	97
46) cis-1,3-dichloropropene	13.77	75	3517	0.295	ug/L #	93
50) trans-1,3-dichloropropene	14.52	75	2831	Below Cal		99
51) 1,1,2-trichloroethane	14.74	83	2406	0.374	ug/L	82
53) tetrachloroethene	15.18	166	3011	0.446	ug/L	91
60) mp-xylene	16.41	106	7121	0.667	ug/L	98
87) hexachlorobutadieneV	21.09	225	1409	0.409	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072304.D Vial: 4
Acq On : 23 Jul 2010 9:21 am Operator: KJP
Sample : 0.5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 14:51 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072305.D Vial: 5
Acq On : 23 Jul 2010 9:56 am Operator: KJP
Sample : 1 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 14:53:34 2010 Quant Results File: 4VID0723.RES

Quant Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 14:45:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	311532	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	235130	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	100901	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	84590	10.34	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.41%			
35) SS 1,2-DCA-d4_MS	10.55	65	100470	10.27	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.73%			
48) SS toluene-d8_MS	14.13	98	309415	10.07	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.68%			
65) SS 4-BFB_MS	17.68	95	115213	9.92	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.21%			
83) SS 1,2-DCB-D4_MS	19.35	152	95390	10.09	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.91%			
90) SS 2,5-DBT_MS	22.73	250	1095	4.69	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 11.73%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	8693	0.953	ug/L	97
3) chloromethane	2.88	50	7986	0.961	ug/L	99
4) vinyl chloride	2.99	62	6594	1.165	ug/L	89
6) chloroethane	3.68	64	4427	0.942	ug/L #	94
7) trichlorofluoromethane	4.02	101	9574	0.893	ug/L	100
8) diethyl ether	4.48	59	4703	1.033	ug/L #	62
9) 1,1,2-Trichlorotrifluoroet	4.69	101	3648	1.055	ug/L	93
10) acrolein	4.68	56	723	0.730	ug/L	94
11) acetone	4.80	43	4074	2.057	ug/L #	80
12) 1,1-dichloroethene	5.00	96	6068	1.101	ug/L	96
15) methylene chloride	5.89	84	8080	1.160	ug/L	98
16) carbon disulfide	5.90	76	17804	0.985	ug/L #	98
18) Methyl-t-butyl ether (MTBE	6.19	73	31351	2.095	ug/L #	93
19) trans-1,2-dichloroethene	6.45	96	8271	1.107	ug/L	97
20) hexane	6.57	57	1766	0.962	ug/L	90
21) Isopropyl ether (DIPE)	7.10	45	22350	0.912	ug/L	95
23) 1,1-dichloroethane	7.32	63	15978	1.073	ug/L	98
25) 2,2-dichloropropane	8.50	77	8302	2.316	ug/L	94
26) cis-1,2-dichloroethene	8.60	96	8301	0.962	ug/L	97
28) bromochloromethane	9.30	128	4195	0.994	ug/L	96
30) chloroform	8.94	83	16041	1.102	ug/L	98
32) 1,1,1-trichloroethane	9.82	97	10407	0.953	ug/L	99
33) carbon tetrachloride	10.38	117	7652	3.150	ug/L	99
34) 1,1-dichloropropene	10.16	75	8609	0.879	ug/L	96
37) benzene	10.78	78	31218	1.046	ug/L	99
38) 1,2-dichloroethane	10.77	62	12429	1.058	ug/L	99
39) trichloroethene	12.08	95	8071	1.020	ug/L	99
40) 1,2-dichloropropane	12.44	63	9016	1.032	ug/L	92
42) dibromomethane	12.93	93	5886	1.098	ug/L	93
43) bromodichloromethane	12.85	83	9352	0.710	ug/L	97
49) toluene	14.24	91	31695	1.060	ug/L	98
51) 1,1,2-trichloroethane	14.74	83	6864	1.075	ug/L	93
53) tetrachloroethene	15.16	166	7047	1.050	ug/L	95
54) 1,3-dichloropropane	15.10	76	11742	0.967	ug/L	99
56) 1,2-dibromoethane	15.72	107	6329	0.880	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072305.D Vial: 5
Acq On : 23 Jul 2010 9:56 am Operator: KJP
Sample : 1 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 14:53:34 2010 Quant Results File: 4VID0723.RES

Quant Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 14:45:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

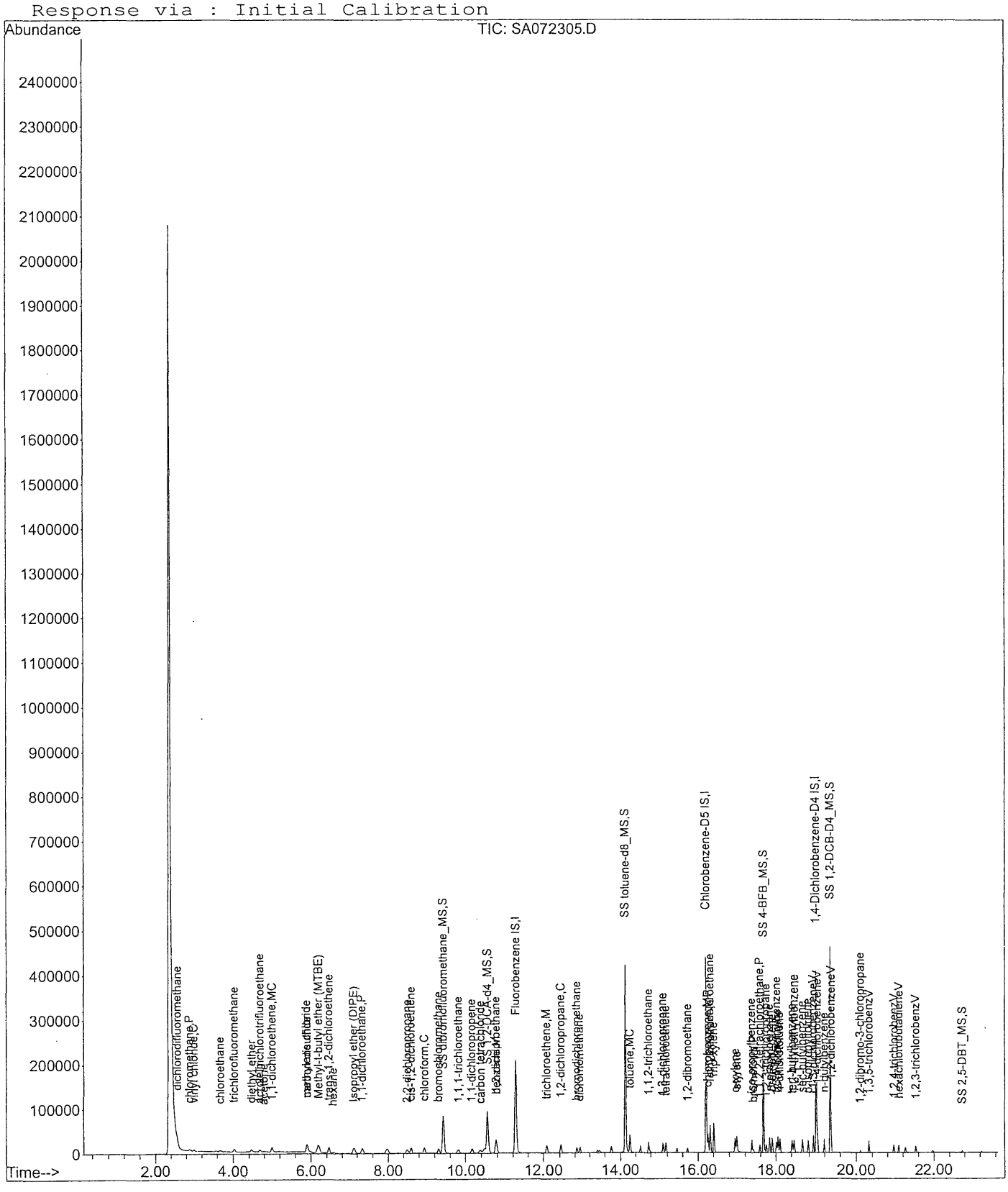
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
57)	chlorobenzene	16.25	112	23102	1.121	ug/L	#	92
58)	1,1,1,2-tetrachloroethane	16.31	131	5953	0.899	ug/L		96
59)	ethylbenzene	16.32	91	28856	0.995	ug/L		96
60)	mp-xylene	16.41	106	20616	1.943	ug/L		99
61)	o-xylene	16.96	106	9230	0.843	ug/L		94
62)	styrene	16.99	104	16705	0.831	ug/L		97
63)	bromoform	17.41	173	3185	1.960	ug/L	#	95
64)	iso-propylbenzene	17.37	105	17655	0.860	ug/L		100
67)	bromobenzene	17.90	156	8411	1.025	ug/L		94
68)	1,1,2,2-tetrachloroethane	17.57	83	8991	0.995	ug/L		97
69)	1,2,3-trichloropropane	17.74	110	2699	1.085	ug/L		92
71)	n-propylbenzene	17.84	91	25847	0.987	ug/L		99
72)	2-chlorotoluene	18.05	91	20981	0.984	ug/L		100
73)	4-chlorotoluene	18.10	91	20936	1.041	ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	14457	0.829	ug/L		99
75)	tert-butylbenzene	18.42	119	12960m	0.899	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	16404	0.871	ug/L		94
77)	sec-butylbenzene	18.65	105	17599	0.919	ug/L		96
78)	1,3-dichlorobenzeneV	18.91	146	12681	1.036	ug/L		96
79)	p-isopropyltoluene	18.78	119	13560	0.842	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	14402	1.123	ug/L	#	68
81)	1,2-dichlorobenzeneV	19.38	146	13738	1.094	ug/L	#	35
82)	n-butylbenzene	19.19	91	13577	0.900	ug/L		100
84)	1,2-dibromo-3-chloropropan	20.10	75	829	4.471	ug/L		92
85)	1,3,5-trichlorobenzV	20.31	180	6977	0.963	ug/L		100
86)	1,2,4-trichlorobenzV	20.96	180	5503	0.892	ug/L		97
87)	hexachlorobutadieneV	21.09	225	3707	1.060	ug/L		97
89)	1,2,3-trichlorobenzV	21.52	180	4782	0.896	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072305.D Vial: 5
Acq On : 23 Jul 2010 9:56 am Operator: KJP
Sample : 1 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:00 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072316.D Vial: 16
Acq On : 23 Jul 2010 4:54 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:04:10 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	330990	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	244237	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	107555	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	86313	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.46%			
35) SS 1,2-DCA-d4_MS	10.55	65	103336	9.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.10%			
48) SS toluene-d8_MS	14.13	98	321380	10.09	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.88%			
65) SS 4-BFB_MS	17.68	95	122131	10.18	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.82%			
83) SS 1,2-DCB-D4_MS	19.35	152	99187	9.81	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.13%			
90) SS 2,5-DBT_MS	22.73	250	4488	3.15	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 7.87%#			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	9659	2.068	ug/L #	86
9) 1,1,2-Trichlorotrifluoroet	4.69	101	6331	1.766	ug/L	94
12) 1,1-dichloroethene	5.00	96	10382	1.834	ug/L	100
15) methylene chloride	5.89	84	14669	2.032	ug/L	95
16) carbon disulfide	5.90	76	32576	1.787	ug/L	100
18) Methyl-t-butyl ether (MTBE	6.19	73	66459	4.303	ug/L	98
19) trans-1,2-dichloroethene	6.45	96	14884	1.948	ug/L	98
20) hexane	6.59	57	3588	2.001	ug/L	94
21) Isopropyl ether (DIPE)	7.12	45	47579	1.970	ug/L	96
23) 1,1-dichloroethane	7.32	63	30704	2.006	ug/L	97
24) Ethyl-t-butyl ether (ETBE)	7.97	59	37173	1.960	ug/L	95
25) 2,2-dichloropropane	8.50	77	15257	1.803	ug/L	97
26) cis-1,2-dichloroethene	8.60	96	16952	1.969	ug/L	92
27) 2-butanone (MEK)	8.23	43	6472	2.042	ug/L #	92
28) bromochloromethane	9.30	128	8772	2.071	ug/L	99
29) Tetrahydrofuran (THF)	9.40	42	3812	2.237	ug/L	92
30) chloroform	8.94	83	29450	1.983	ug/L	97
32) 1,1,1-trichloroethane	9.81	97	20275	1.924	ug/L	97
33) carbon tetrachloride	10.38	117	13660	1.689	ug/L	99
36) tert-amyl methyl ether (TA	10.47	73	28693	2.036	ug/L	93
37) benzene	10.78	78	65354	2.084	ug/L	99
38) 1,2-dichloroethane	10.77	62	26303	2.180	ug/L	99
39) trichloroethene	12.09	95	14973	1.866	ug/L	96
40) 1,2-dichloropropane	12.44	63	17163	1.939	ug/L	92
42) dibromomethane	12.94	93	11889	2.132	ug/L	96
43) bromodichloromethane	12.85	83	18325	1.816	ug/L	97
46) cis-1,3-dichloropropene	13.76	75	19990	1.818	ug/L	99
49) toluene	14.24	91	63414	2.048	ug/L	100
50) trans-1,3-dichloropropene	14.52	75	17011	1.778	ug/L	97
51) 1,1,2-trichloroethane	14.74	83	13853	2.180	ug/L	95
53) tetrachloroethene	15.16	166	13196	1.928	ug/L	96
54) 1,3-dichloropropane	15.10	76	25392	2.103	ug/L	99
55) dibromochloromethane	15.45	129	12143	1.821	ug/L	98
56) 1,2-dibromoethane	15.72	107	14718	2.099	ug/L	100
57) chlorobenzene	16.26	112	43974	2.075	ug/L	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072316.D Vial: 16
Acq On : 23 Jul 2010 4:54 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:04:10 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

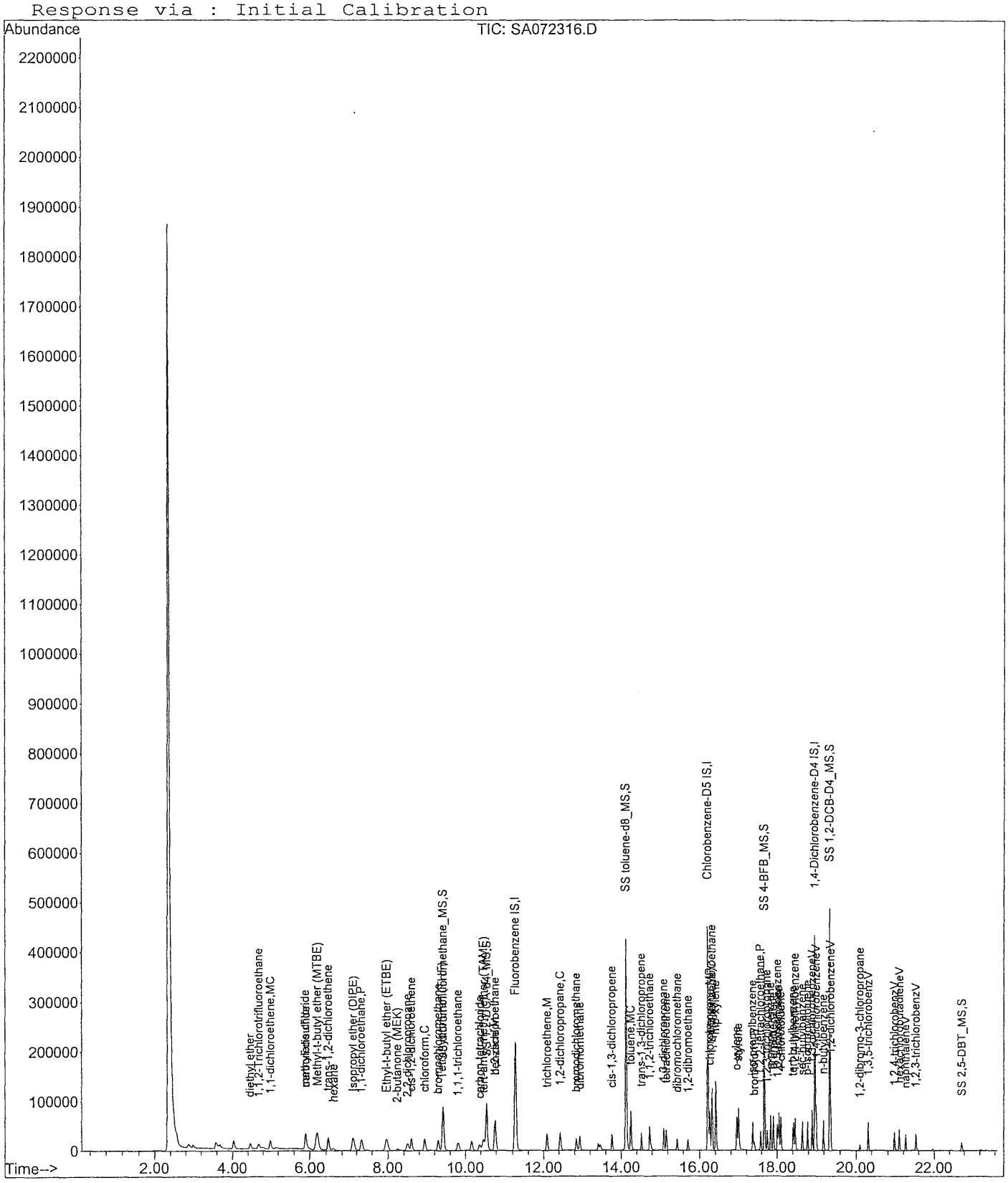
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
58)	1,1,1,2-tetrachloroethane	16.31	131	12370	1.910	ug/L		95
59)	ethylbenzene	16.32	91	60250	2.036	ug/L		100
60)	mp-xylene	16.41	106	45530	4.190	ug/L		99
61)	o-xylene	16.95	106	20737	1.954	ug/L		97
62)	styrene	16.99	104	39331	1.992	ug/L	#	90
63)	bromoform	17.41	173	6982	1.747	ug/L	#	97
64)	iso-propylbenzene	17.37	105	36693	1.868	ug/L		100
67)	bromobenzene	17.90	156	17633	2.077	ug/L		98
68)	1,1,2,2-tetrachloroethane	17.57	83	19774	2.147	ug/L		98
69)	1,2,3-trichloropropane	17.74	110	5271	2.025	ug/L		98
71)	n-propylbenzene	17.84	91	51653	1.914	ug/L		100
72)	2-chlorotoluene	18.05	91	44196	2.040	ug/L		100
73)	4-chlorotoluene	18.11	91	42589	2.025	ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	33633	1.949	ug/L		100
75)	tert-butylbenzene	18.42	119	26439	1.868	ug/L		100
76)	1,2,4-trimethylbenzene	18.46	105	36294	1.932	ug/L		100
77)	sec-butylbenzene	18.65	105	35394	1.852	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	26993	2.129	ug/L		100
79)	p-isopropyltoluene	18.78	119	28876	1.815	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	29646	2.183	ug/L	#	70
81)	1,2-dichlorobenzeneV	19.38	146	28919	2.172	ug/L	#	67
82)	n-butylbenzene	19.19	91	27786	1.825	ug/L		98
84)	1,2-dibromo-3-chloropropan	20.10	75	2297	2.103	ug/L	#	87
85)	1,3,5-trichlorobenzV	20.31	180	15404	2.087	ug/L		98
86)	1,2,4-trichlorobenzV	20.96	180	12218	1.994	ug/L		97
87)	hexachlorobutadieneV	21.09	225	9939	2.742	ug/L		93
88)	naphthaleneV	21.26	128	23285	1.877	ug/L		100
89)	1,2,3-trichlorobenzV	21.52	180	10790	2.051	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072316.D Vial: 16
Acq On : 23 Jul 2010 4:54 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:02 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072309.D Vial: 9
Acq On : 23 Jul 2010 12:32 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:03:25 2010 Quant Results File: 4VID0723.RES

Quant Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 14:45:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

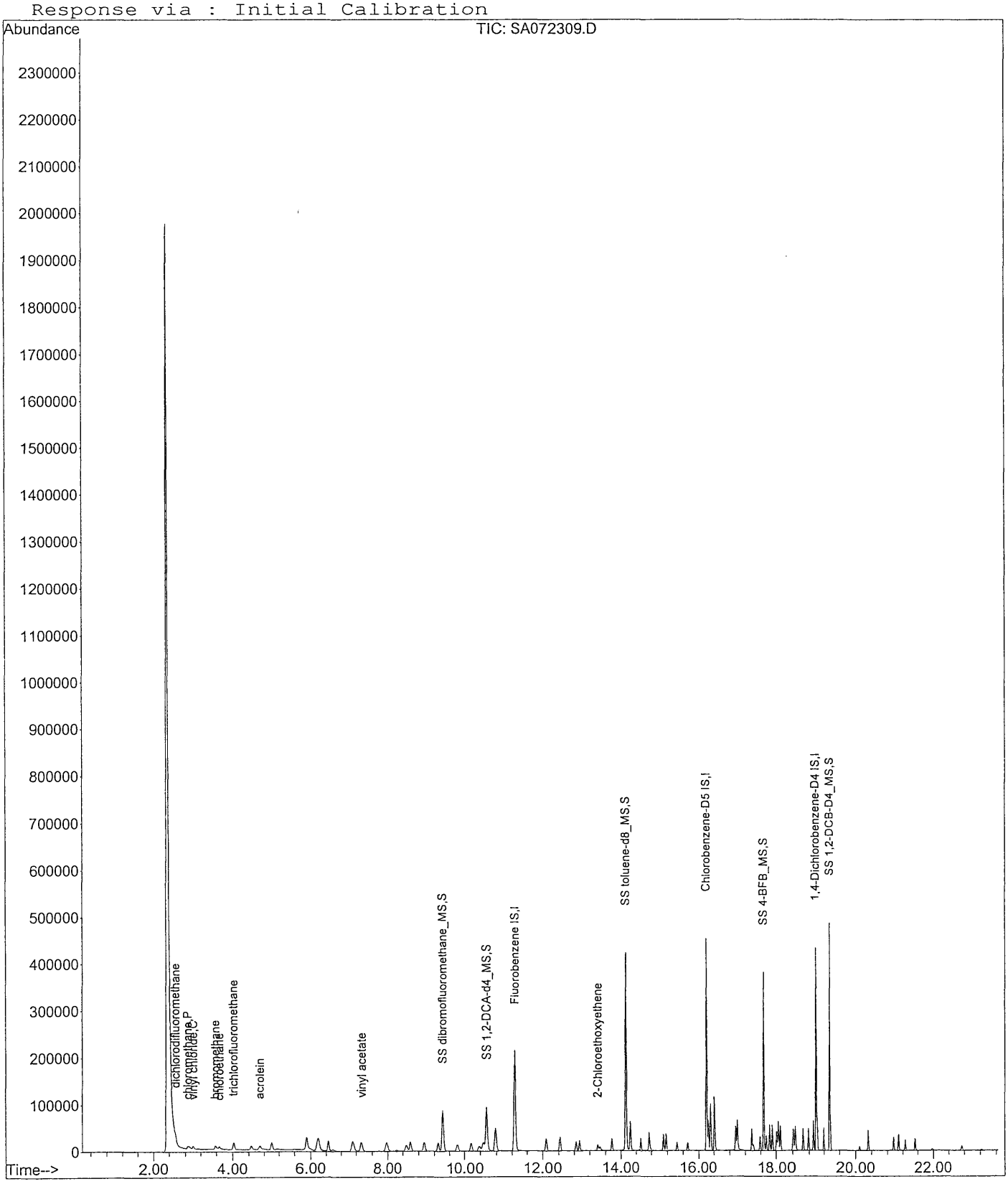
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	328012	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	244144	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	106307	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	84930	9.86	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.61%			
35) SS 1,2-DCA-d4_MS	10.55	65	103593	10.06	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.60%			
48) SS toluene-d8_MS	14.13	98	310159	9.72	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.20%			
65) SS 4-BFB_MS	17.68	95	116246	9.64	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.40%			
83) SS 1,2-DCB-D4_MS	19.35	152	98765	9.92	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.16%			
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	2.56	85	17379	1.810	ug/L	97
3) chloromethane	2.87	50	16700	1.909	ug/L	96
4) vinyl chloride	3.01	62	12863	2.158	ug/L	97
5) bromomethane	3.58	94	11276	2.391	ug/L	90
6) chloroethane	3.68	64	8863	1.790	ug/L	95
7) trichlorofluoromethane	4.02	101	20394	1.807	ug/L	100
10) acrolein	4.69	56	1872	1.794	ug/L	91
22) vinyl acetate	7.34	43	16778	1.152	ug/L	99
44) 2-Chloroethoxyethene	13.41	63	5884	2.385	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072309.D Vial: 9
Acq On : 23 Jul 2010 12:32 pm Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:06 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072310.D Vial: 10
Acq On : 23 Jul 2010 1:17 pm Operator: KJP
Sample : 5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 13:55:00 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 13:01:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	330299	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.20	117	243078	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	106026	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	86313	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.52%			
35) SS 1,2-DCA-d4_MS	10.55	65	104232	10.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.12%			
48) SS toluene-d8_MS	14.13	98	315238	9.97	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.65%			
65) SS 4-BFB_MS	17.68	95	120359	10.26	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 102.59%			
83) SS 1,2-DCB-D4_MS	19.35	152	99900	9.99	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.93%			
90) SS 2,5-DBT_MS	22.74	250	6562	5.01	ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 12.53%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	45369	4.626	ug/L	98
3) chloromethane	2.87	50	43053	4.901	ug/L	100
4) vinyl chloride	2.99	62	32004	5.649	ug/L	97
5) bromomethane	3.58	94	23783	5.880	ug/L	95
6) chloroethane	3.67	64	24081	4.852	ug/L	96
7) trichlorofluoromethane	4.02	101	54227	4.761	ug/L	99
8) diethyl ether	4.47	59	21016	4.578	ug/L	91
9) 1,1,2-Trichlorotrifluoroet	4.69	101	16426	4.579	ug/L	97
10) acrolein	4.68	56	5141	5.292	ug/L	96
11) acetone	4.80	43	10252	4.808	ug/L	95
12) 1,1-dichloroethene	5.00	96	25553	4.664	ug/L	96
13) tert-Butyl Alcohol (TBA)	5.15	59	10528	27.196	ug/L	94
15) methylene chloride	5.89	84	35090	4.949	ug/L	95
16) carbon disulfide	5.90	76	80825	4.704	ug/L	100
17) acrylonitrile	6.14	53	13770	5.113	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	144307	9.683	ug/L #	97
19) trans-1,2-dichloroethene	6.45	96	30715	4.152	ug/L	99
20) hexane	6.57	57	7788	4.360	ug/L	92
21) Isopropyl ether (DIPE)	7.10	45	105798	4.705	ug/L	94
23) 1,1-dichloroethane	7.32	63	71530	4.825	ug/L	98
24) Ethyl-t-butyl ether (ETBE)	7.97	59	87553	5.094	ug/L	99
25) 2,2-dichloropropane	8.50	77	35477	4.445	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	39450	4.870	ug/L	99
27) 2-butanone (MEK)	8.23	43	14792	5.051	ug/L	95
28) bromochloromethane	9.30	128	19817	4.871	ug/L	97
29) Tetrahydrofuran (THF)	9.39	42	7121	4.473	ug/L #	88
30) chloroform	8.94	83	68194	4.691	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	47975	4.793	ug/L	99
33) carbon tetrachloride	10.37	117	34401	4.493	ug/L	99
34) 1,1-dichloropropene	10.17	75	38642	4.395	ug/L	98
36) tert-amyl methyl ether (TA	10.47	73	62656	4.943	ug/L	96
37) benzene	10.78	78	146359	4.925	ug/L	99
38) 1,2-dichloroethane	10.77	62	58370	5.036	ug/L	99
39) trichloroethene	12.08	95	35071	4.458	ug/L	99
40) 1,2-dichloropropane	12.44	63	41136	4.886	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072310.D Vial: 10
Acq On : 23 Jul 2010 1:17 pm Operator: KJP
Sample : 5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 13:55:00 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 13:01:15 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

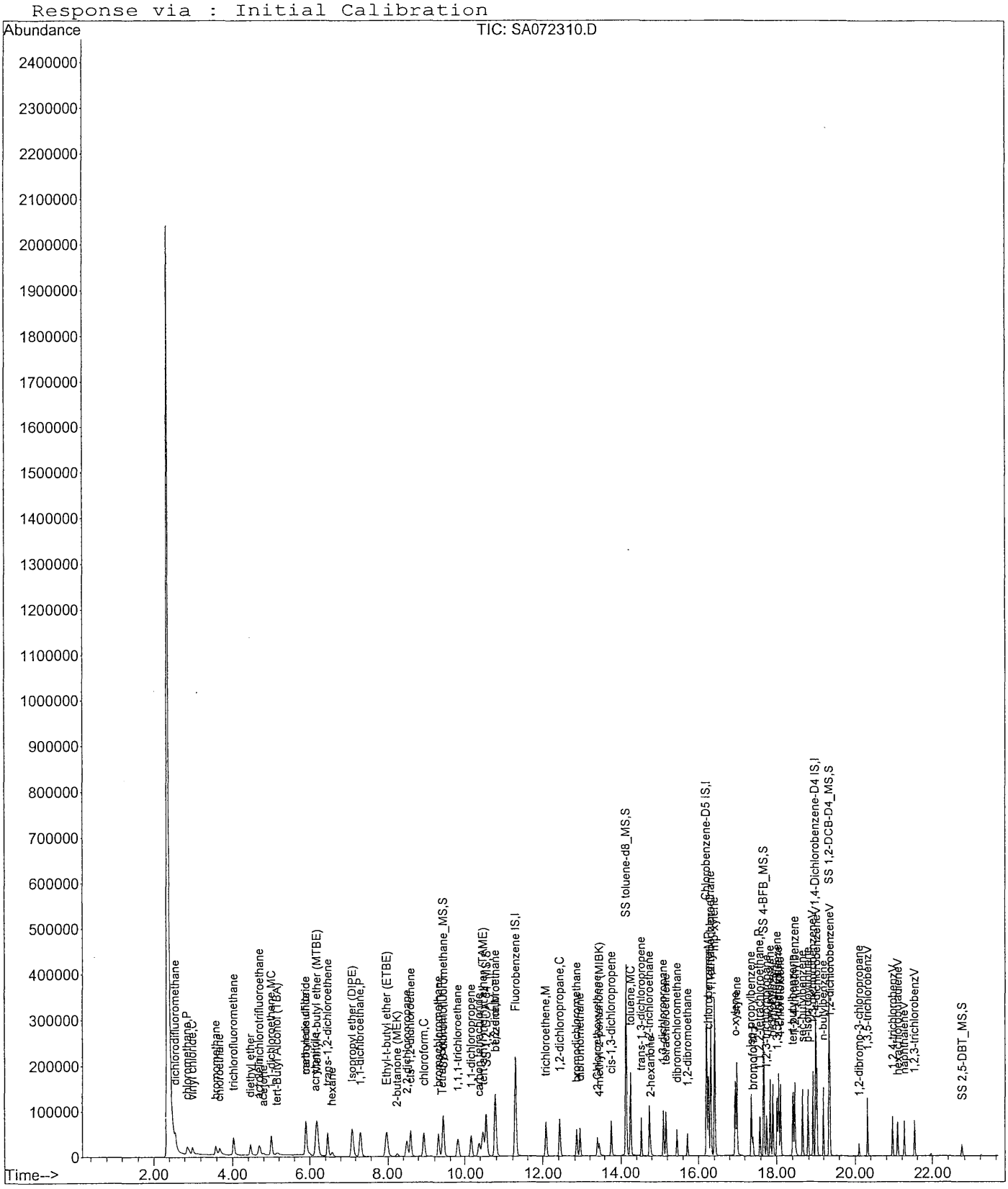
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
42)	dibromomethane	12.94	93	26298	4.890	ug/L		99
43)	bromodichloromethane	12.85	83	45457	4.839	ug/L		100
44)	2-Chloroethoxyethene	13.41	63	19916	4.589	ug/L		99
45)	4-methyl-2-pentanone (MIBK	13.46	58	10365	5.761	ug/L		92
46)	cis-1,3-dichloropropene	13.76	75	48487	4.952	ug/L		99
49)	toluene	14.24	91	145841	5.013	ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	42227	5.079	ug/L		99
51)	1,1,2-trichloroethane	14.74	83	30751	5.085	ug/L		99
52)	2-hexanone	14.78	43	17156	5.069	ug/L		96
53)	tetrachloroethene	15.16	166	30885	4.612	ug/L		99
54)	1,3-dichloropropane	15.10	76	57045	5.057	ug/L		99
55)	dibromochloromethane	15.45	129	29637	4.995	ug/L		97
56)	1,2-dibromoethane	15.72	107	32974	5.087	ug/L		100
57)	chlorobenzene	16.26	112	98935	4.821	ug/L		97
58)	1,1,1,2-tetrachloroethane	16.31	131	30288	5.210	ug/L		99
59)	ethylbenzene	16.32	91	140942	5.271	ug/L		99
60)	mp-xylene	16.41	106	107202	11.025	ug/L		98
61)	o-xylene	16.96	106	49967	5.373	ug/L		99
62)	styrene	16.99	104	99018	5.854	ug/L		99
63)	bromoform	17.41	173	16796	4.775	ug/L	#	100
64)	iso-propylbenzene	17.37	105	90155	5.175	ug/L		98
67)	bromobenzene	17.90	156	41025	5.212	ug/L		98
68)	1,1,2,2-tetrachloroethane	17.57	83	45168	5.278	ug/L		100
69)	1,2,3-trichloropropane	17.74	110	11742	4.607	ug/L		91
71)	n-propylbenzene	17.84	91	124716	5.079	ug/L		99
72)	2-chlorotoluene	18.05	91	105293	5.348	ug/L		99
73)	4-chlorotoluene	18.10	91	99324	5.144	ug/L		98
74)	1,3,5-trimethylbenzene	18.02	105	79811	5.331	ug/L		100
75)	tert-butylbenzene	18.42	119	63980m	5.146	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	92797	5.772	ug/L		98
77)	sec-butylbenzene	18.65	105	89652	5.346	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	61903	5.252	ug/L		98
79)	p-isopropyltoluene	18.78	119	72254	5.262	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	63389	4.842	ug/L	#	85
81)	1,2-dichlorobenzeneV	19.38	146	64640	5.083	ug/L	#	89
82)	n-butylbenzene	19.19	91	69088	5.143	ug/L		98
84)	1,2-dibromo-3-chloropropan	20.10	75	4553	4.747	ug/L		97
85)	1,3,5-trichlorobenzV	20.31	180	34338	5.025	ug/L		95
86)	1,2,4-trichlorobenzV	20.96	180	28188	5.089	ug/L		98
87)	hexachlorobutadieneV	21.09	225	16104	4.480	ug/L		97
88)	naphthaleneV	21.26	128	54047	5.198	ug/L		99
89)	1,2,3-trichlorobenzV	21.52	180	25349	5.356	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072310.D Vial: 10
Acq On : 23 Jul 2010 1:17 pm Operator: KJP
Sample : 5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:07 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072311.D Vial: 11
Acq On : 23 Jul 2010 1:53 pm Operator: KJP
Sample : 10 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 14:18:17 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 13:56:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	334613	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.20	117	244411	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	108493	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	88439	10.08	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.77%			
35) SS 1,2-DCA-d4_MS	10.55	65	106562	10.10	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.01%			
48) SS toluene-d8_MS	14.13	98	324719	10.22	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.16%			
65) SS 4-BFB_MS	17.68	95	126093	10.63	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 106.34%			
83) SS 1,2-DCB-D4_MS	19.35	152	100804	9.86	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.55%			
90) SS 2,5-DBT_MS	22.73	250	14477	10.80	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 27.00%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	96932	9.904	ug/L	99
3) chloromethane	2.87	50	90591	10.221	ug/L	99
4) vinyl chloride	2.99	62	61442	10.435	ug/L	95
5) bromomethane	3.58	94	49592	11.691	ug/L	99
6) chloroethane	3.67	64	51634	10.331	ug/L	99
7) trichlorofluoromethane	4.02	101	115537	10.109	ug/L	99
8) diethyl ether	4.47	59	47768	10.492	ug/L	96
9) 1,1,2-Trichlorotrifluoroet	4.69	101	37221	10.463	ug/L	99
10) acrolein	4.68	56	9608	9.650	ug/L	92
11) acetone	4.79	43	24970	11.710	ug/L	98
12) 1,1-dichloroethene	5.00	96	61504	11.232	ug/L	94
13) tert-Butyl Alcohol (TBA)	5.15	59	25608	64.170	ug/L	98
15) methylene chloride	5.89	84	75071	10.473	ug/L	98
16) carbon disulfide	5.90	76	195312	11.354	ug/L	100
17) acrylonitrile	6.14	53	30025	10.956	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.18	73	328825	21.919	ug/L	100
19) trans-1,2-dichloroethene	6.45	96	83502	11.534	ug/L	97
20) hexane	6.58	57	17957	10.366	ug/L	95
21) Isopropyl ether (DIPE)	7.10	45	263338	11.699	ug/L	99
22) vinyl acetate	7.34	43	123558	10.661	ug/L	99
23) 1,1-dichloroethane	7.32	63	160622	10.771	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	205936	11.783	ug/L	99
25) 2,2-dichloropropane	8.50	77	89992	11.382	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	92794	11.367	ug/L	98
27) 2-butanone (MEK)	8.23	43	35497	11.940	ug/L	99
28) bromochloromethane	9.30	128	44415	10.833	ug/L	99
29) Tetrahydrofuran (THF)	9.39	42	18305	11.594	ug/L	99
30) chloroform	8.94	83	156056	10.730	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	112350	11.172	ug/L	100
33) carbon tetrachloride	10.37	117	85391	11.237	ug/L	100
34) 1,1-dichloropropene	10.17	75	98395	11.320	ug/L	99
36) tert-amyl methyl ether (TA	10.47	73	156223	12.194	ug/L	98
37) benzene	10.78	78	339624	11.315	ug/L	99
38) 1,2-dichloroethane	10.77	62	129693	11.029	ug/L	99
39) trichloroethene	12.09	95	82794	10.618	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072311.D Vial: 11
Acq On : 23 Jul 2010 1:53 pm Operator: KJP
Sample : 10 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 14:18:17 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 13:56:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

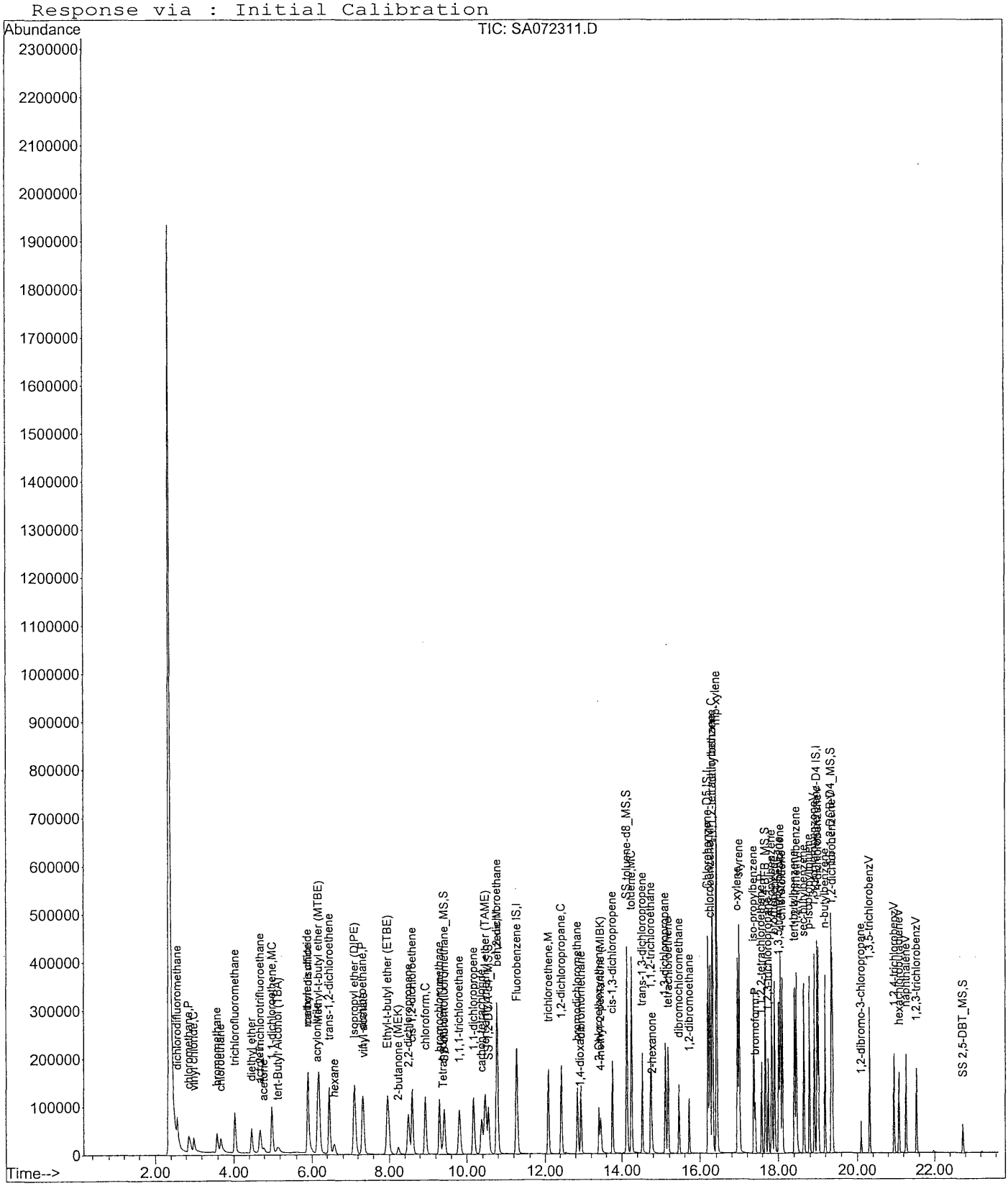
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	1,2-dichloropropane	12.44	63	94644	11.148	ug/L		99
41)	1,4-dioxane	12.91	88	1330	27.422	ug/L	#	74
42)	dibromomethane	12.94	93	59688	11.004	ug/L		100
43)	bromodichloromethane	12.85	83	107561	11.376	ug/L		99
44)	2-Chloroethoxyethene	13.41	63	45490	10.520	ug/L		99
45)	4-methyl-2-pentanone (MIBK	13.45	58	26531	14.125	ug/L		98
46)	cis-1,3-dichloropropene	13.76	75	119092	12.029	ug/L		99
49)	toluene	14.24	91	338280	11.558	ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	106866	12.744	ug/L		99
51)	1,1,2-trichloroethane	14.74	83	68049	11.153	ug/L		98
52)	2-hexanone	14.78	43	47740	13.989	ug/L		98
53)	tetrachloroethene	15.18	166	72794	10.982	ug/L		98
54)	1,3-dichloropropane	15.10	76	135020	11.877	ug/L		98
55)	dibromochloromethane	15.45	129	72522	12.159	ug/L		99
56)	1,2-dibromoethane	15.72	107	76714	11.729	ug/L		99
57)	chlorobenzene	16.26	112	225129	10.989	ug/L		99
58)	1,1,1,2-tetrachloroethane	16.31	131	71248	12.087	ug/L		99
59)	ethylbenzene	16.32	91	337449	12.416	ug/L		100
60)	mp-xylene	16.41	106	248036	24.861	ug/L		97
61)	o-xylene	16.95	106	123022	12.963	ug/L		98
62)	styrene	16.99	104	232562	13.223	ug/L		98
63)	bromoform	17.41	173	43950	12.538	ug/L	#	98
64)	iso-propylbenzene	17.37	105	224807	12.744	ug/L		99
67)	bromobenzene	17.90	156	92598	11.400	ug/L		99
68)	1,1,2,2-tetrachloroethane	17.57	83	100512	11.352	ug/L		99
69)	1,2,3-trichloropropane	17.74	110	27688	10.786	ug/L		94
71)	n-propylbenzene	17.84	91	302173	11.988	ug/L		99
72)	2-chlorotoluene	18.05	91	243686	11.930	ug/L		100
73)	4-chlorotoluene	18.10	91	233229	11.737	ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	203595	13.116	ug/L		100
75)	tert-butylbenzene	18.42	119	160132m	12.515	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	220021	12.973	ug/L		100
77)	sec-butylbenzene	18.65	105	219930	12.641	ug/L		98
78)	1,3-dichlorobenzeneV	18.91	146	138488	11.368	ug/L		99
79)	p-isopropyltoluene	18.78	119	184881	13.022	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	145354	10.919	ug/L		98
81)	1,2-dichlorobenzeneV	19.38	146	141918	10.869	ug/L		97
82)	n-butylbenzene	19.19	91	176427	12.761	ug/L		100
84)	1,2-dibromo-3-chloropropan	20.10	75	11803	12.150	ug/L		97
85)	1,3,5-trichlorobenzV	20.31	180	82458	11.781	ug/L		96
86)	1,2,4-trichlorobenzV	20.96	180	67722	11.906	ug/L		100
87)	hexachlorobutadieneV	21.09	225	37823	10.501	ug/L		98
88)	naphthaleneV	21.26	128	142754	13.313	ug/L		100
89)	1,2,3-trichlorobenzV	21.52	180	57502	11.707	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072311.D Vial: 11
Acq On : 23 Jul 2010 1:53 pm Operator: KJP
Sample : 10 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 14:24 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072312.D Vial: 12
Acq On : 23 Jul 2010 2:29 pm Operator: KJP
Sample : 20 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 15:36:17 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 14:26:39 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	335008	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.20	117	250059	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	111067	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	87878	9.99	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.87%			
35) SS 1,2-DCA-d4_MS	10.55	65	106030	10.02	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.22%			
48) SS toluene-d8_MS	14.13	98	326666	10.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.09%			
65) SS 4-BFB_MS	17.68	95	124998	10.20	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.96%			
83) SS 1,2-DCB-D4_MS	19.35	152	104280	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.83%			
90) SS 2,5-DBT_MS	22.73	250	32617	23.45	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 58.64%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.56	85	189108	19.330	ug/L	100
3) chloromethane	2.87	50	179882	20.197	ug/L	100
4) vinyl chloride	2.99	62	98915	16.658	ug/L	97
5) bromomethane	3.58	94	96633	22.130	ug/L	99
6) chloroethane	3.67	64	101229	20.119	ug/L	99
7) trichlorofluoromethane	4.02	101	225049	19.632	ug/L	98
8) diethyl ether	4.47	59	100218	21.772	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	4.69	101	68923	19.174	ug/L	98
10) acrolein	4.68	56	20625	20.812	ug/L	99
11) acetone	4.79	43	41208m	18.511	ug/L	
12) 1,1-dichloroethene	5.00	96	114214	20.414	ug/L	99
13) tert-Butyl Alcohol (TBA)	5.15	59	51696	123.554	ug/L	96
15) methylene chloride	5.89	84	149899	20.724	ug/L	99
16) carbon disulfide	5.91	76	391432	22.227	ug/L	100
17) acrylonitrile	6.14	53	60318	21.639	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.18	73	674608	44.209	ug/L	99
19) trans-1,2-dichloroethene	6.45	96	164903	22.184	ug/L	98
20) hexane	6.58	57	34340	19.621	ug/L	96
21) Isopropyl ether (DIPE)	7.10	45	550635	23.760	ug/L	99
22) vinyl acetate	7.34	43	278337m	23.726	ug/L	
23) 1,1-dichloroethane	7.32	63	320370	21.186	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	444234	24.654	ug/L	100
25) 2,2-dichloropropane	8.50	77	183219	22.625	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	191928	22.960	ug/L	100
27) 2-butanone (MEK)	8.23	43	68997	22.454	ug/L	98
28) bromochloromethane	9.30	128	92701	22.274	ug/L	95
29) Tetrahydrofuran (THF)	9.38	42	39374	24.265	ug/L	96
30) chloroform	8.94	83	312164	21.180	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	223211	21.744	ug/L	99
33) carbon tetrachloride	10.38	117	171135	22.040	ug/L	98
34) 1,1-dichloropropene	10.17	75	200839	22.582	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	333682	25.096	ug/L	95
37) benzene	10.78	78	679559	22.129	ug/L	99
38) 1,2-dichloroethane	10.77	62	259814	21.696	ug/L	99
39) trichloroethene	12.09	95	167304	21.212	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072312.D Vial: 12
Acq On : 23 Jul 2010 2:29 pm Operator: KJP
Sample : 20 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 15:36:17 2010 Quant Results File: 4VID0723.RES

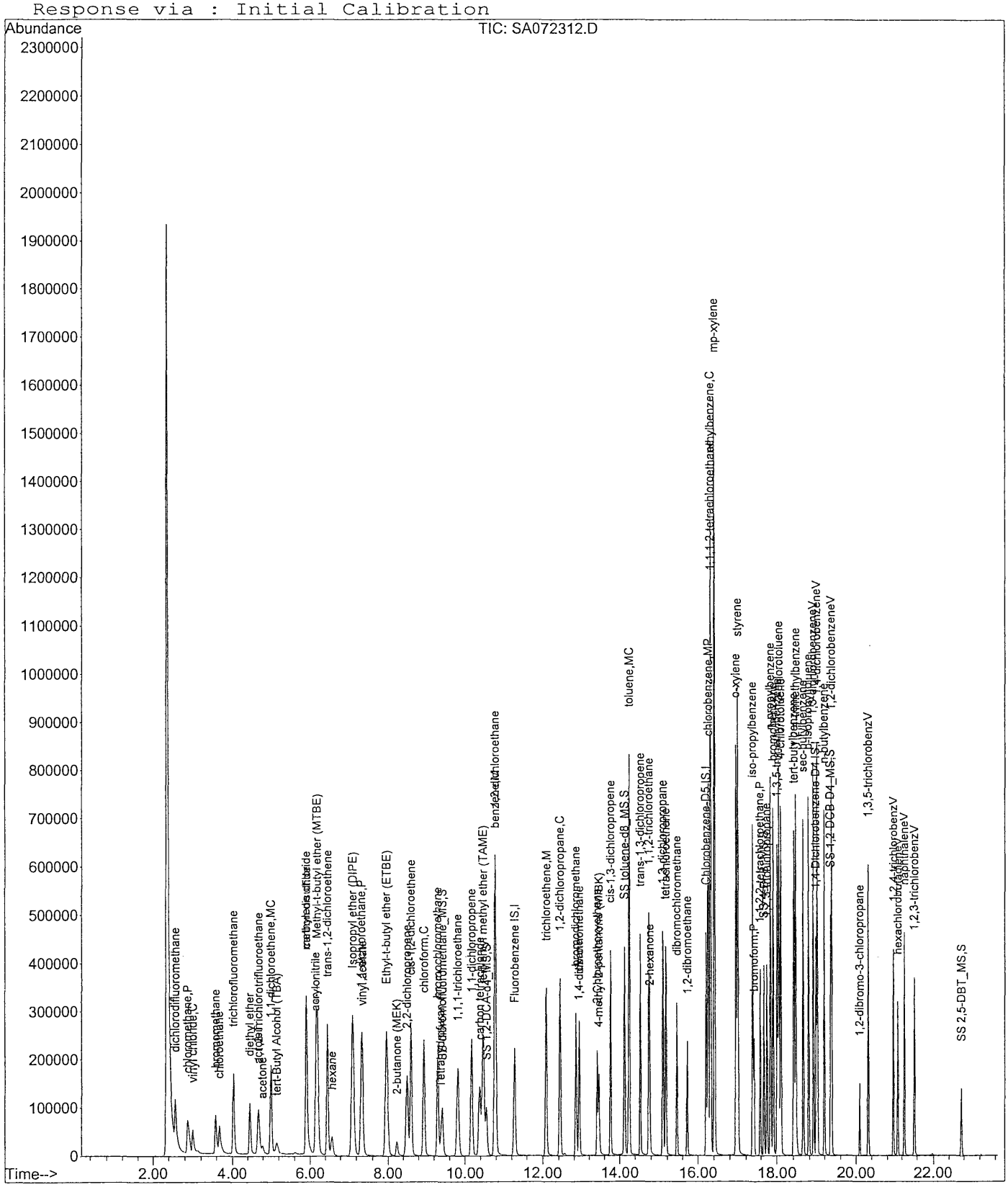
Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 14:26:39 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	1,2-dichloropropane	12.44	63	193716	22.362	ug/L		98
41)	1,4-dioxane	12.93	88	3224	59.086	ug/L	#	79
42)	dibromomethane	12.94	93	120096	21.751	ug/L		99
43)	bromodichloromethane	12.85	83	228026	23.549	ug/L		100
44)	2-Chloroethoxyethene	13.41	63	103901	23.794	ug/L		98
45)	4-methyl-2-pentanone (MIBK	13.45	58	57486	28.603	ug/L		99
46)	cis-1,3-dichloropropene	13.76	75	265420	25.902	ug/L		99
49)	toluene	14.24	91	684937	22.294	ug/L		100
50)	trans-1,3-dichloropropene	14.52	75	236161	26.323	ug/L		99
51)	1,1,2-trichloroethane	14.74	83	139780	21.970	ug/L		99
52)	2-hexanone	14.76	43	99785	26.798	ug/L		99
53)	tetrachloroethene	15.16	166	140320	20.358	ug/L		100
54)	1,3-dichloropropane	15.10	76	272223	22.695	ug/L		100
55)	dibromochloromethane	15.45	129	161185	25.496	ug/L		99
56)	1,2-dibromoethane	15.72	107	160996	23.386	ug/L		99
57)	chlorobenzene	16.26	112	452287	21.229	ug/L		100
58)	1,1,1,2-tetrachloroethane	16.31	131	151919	24.344	ug/L		100
59)	ethylbenzene	16.32	91	674637	23.322	ug/L		100
60)	mp-xylene	16.41	106	500488	47.123	ug/L		99
61)	o-xylene	16.95	106	253708	24.900	ug/L		99
62)	styrene	16.99	104	476787	25.146	ug/L	#	90
63)	bromoform	17.41	173	97805	26.165	ug/L	#	98
64)	iso-propylbenzene	17.37	105	456099	24.166	ug/L		100
67)	bromobenzene	17.90	156	188842	22.193	ug/L		99
68)	1,1,2,2-tetrachloroethane	17.57	83	205056	22.124	ug/L		99
69)	1,2,3-trichloropropane	17.74	110	55939	21.011	ug/L		96
71)	n-propylbenzene	17.84	91	597106	22.397	ug/L		99
72)	2-chlorotoluene	18.05	91	481065	22.288	ug/L		99
73)	4-chlorotoluene	18.10	91	467296	22.325	ug/L		100
74)	1,3,5-trimethylbenzene	18.01	105	405149	24.237	ug/L		100
75)	tert-butylbenzene	18.42	119	331295m	24.274	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	445767	24.463	ug/L		99
77)	sec-butylbenzene	18.65	105	437168	23.510	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	276624	21.686	ug/L		99
79)	p-isopropyltoluene	18.78	119	372826	24.421	ug/L		98
80)	1,4-dichlorobenzeneV	19.01	146	288822	20.874	ug/L		98
81)	1,2-dichlorobenzeneV	19.38	146	283904	20.936	ug/L		98
82)	n-butylbenzene	19.19	91	346753	23.421	ug/L		100
84)	1,2-dibromo-3-chloropropan	20.10	75	26903	26.116	ug/L		98
85)	1,3,5-trichlorobenzV	20.31	180	160493	21.754	ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	139795	23.269	ug/L		99
87)	hexachlorobutadieneV	21.09	225	72191	19.417	ug/L		98
88)	naphthaleneV	21.26	128	321072	27.718	ug/L		100
89)	1,2,3-trichlorobenzV	21.52	180	122438	23.677	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072312.D Vial: 12
Acq On : 23 Jul 2010 2:29 pm Operator: KJP
Sample : 20 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 15:37 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072314.D Vial: 14
Acq On : 23 Jul 2010 3:42 pm Operator: KJP
Sample : 50 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 13:38:15 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	340281	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	254659	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	110019	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	90588	10.14	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.38%			
35) SS 1,2-DCA-d4_MS	10.55	65	105826	9.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.06%			
48) SS toluene-d8_MS	14.13	98	328943	9.88	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.83%			
65) SS 4-BFB_MS	17.68	95	128266	10.20	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.98%			
83) SS 1,2-DCB-D4_MS	19.35	152	102129	9.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.08%			
90) SS 2,5-DBT_MS	22.73	250	89242	46.68	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 116.69%			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	257674	51.810	ug/L	98
9) 1,1,2-Trichlorotrifluoroet	4.69	101	201855	53.451	ug/L	99
11) acetone	4.79	43	128178	59.240	ug/L	96
12) 1,1-dichloroethene	5.00	96	332361	55.231	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.15	59	123227	240.271	ug/L	94
15) methylene chloride	5.89	84	384404	50.525	ug/L	99
16) carbon disulfide	5.91	76	1136220	57.543	ug/L	100
17) acrylonitrile	6.14	53	147975	51.234	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.18	73	1688991	103.343	ug/L	100
19) trans-1,2-dichloroethene	6.45	96	458522	56.195	ug/L	100
20) hexane	6.58	57	110148	54.950	ug/L	95
21) Isopropyl ether (DIPE)	7.10	45	1473522	55.032	ug/L	99
23) 1,1-dichloroethane	7.32	63	872093	53.632	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	1179977	53.175	ug/L	99
25) 2,2-dichloropropane	8.50	77	547243	49.131	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	506299	53.699	ug/L	99
27) 2-butanone (MEK)	8.23	43	191618	53.372	ug/L	99
28) bromochloromethane	9.30	128	238258	51.710	ug/L	99
29) Tetrahydrofuran (THF)	9.38	42	106204	51.921	ug/L	98
30) chloroform	8.94	83	822825	51.730	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	638882	53.586	ug/L	99
33) carbon tetrachloride	10.37	117	525034	48.116	ug/L	99
34) 1,1-dichloropropene	10.17	75	598196	55.889	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	897766	52.728	ug/L	96
37) benzene	10.78	78	1809815	55.524	ug/L	100
38) 1,2-dichloroethane	10.77	62	653281	50.916	ug/L	99
39) trichloroethene	12.09	95	471910	54.617	ug/L	99
40) 1,2-dichloropropane	12.44	63	508028	53.236	ug/L	99
42) dibromomethane	12.94	93	305840	52.213	ug/L	99
43) bromodichloromethane	12.85	83	620001	50.908	ug/L	99
45) 4-methyl-2-pentanone (MIBK	13.45	58	144258	50.310	ug/L	94
46) cis-1,3-dichloropropene	13.76	75	726059	56.481	ug/L	100
49) toluene	14.24	91	1785697	55.133	ug/L	100
50) trans-1,3-dichloropropene	14.52	75	648455	49.076	ug/L	99
51) 1,1,2-trichloroethane	14.74	83	350607	50.681	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072314.D Vial: 14
Acq On : 23 Jul 2010 3:42 pm Operator: KJP
Sample : 50 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 13:38:15 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

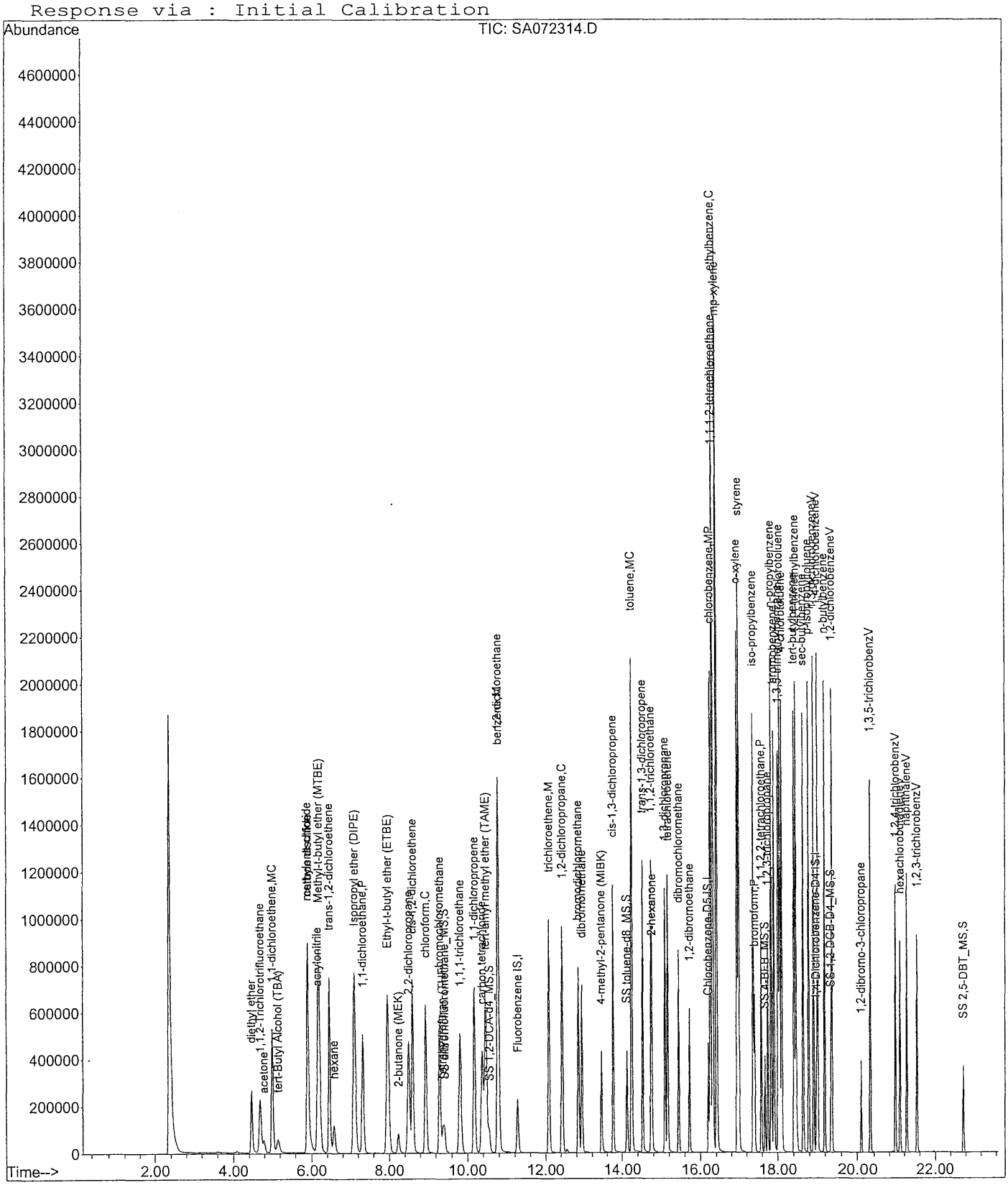
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	2-hexanone	14.76	43	281105	55.856	ug/L		97
53)	tetrachloroethene	15.18	166	391931	53.921	ug/L		99
54)	1,3-dichloropropane	15.10	76	677712	51.523	ug/L		100
55)	dibromochloromethane	15.45	129	439723	54.674	ug/L		99
56)	1,2-dibromoethane	15.72	107	411829	52.893	ug/L		99
57)	chlorobenzene	16.26	112	1177334	52.754	ug/L		99
58)	1,1,1,2-tetrachloroethane	16.31	131	407190	56.802	ug/L		99
59)	ethylbenzene	16.32	91	1787171	56.903	ug/L		99
60)	mp-xylene	16.41	106	1298903	113.034	ug/L		98
61)	o-xylene	16.95	106	666963	56.252	ug/L		99
62)	styrene	16.99	104	1227233	56.381	ug/L		99
63)	bromoform	17.41	173	275563	47.773	ug/L	#	100
64)	iso-propylbenzene	17.37	105	1263352	56.795	ug/L		99
67)	bromobenzene	17.90	156	477803	53.398	ug/L		100
68)	1,1,2,2-tetrachloroethane	17.58	83	505692	51.321	ug/L		99
69)	1,2,3-trichloropropane	17.74	110	135207	49.861	ug/L		100
71)	n-propylbenzene	17.84	91	1641237	57.481	ug/L		99
72)	2-chlorotoluene	18.05	91	1257892	54.131	ug/L		100
73)	4-chlorotoluene	18.11	91	1225765	55.910	ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	1091240	57.391	ug/L		98
75)	tert-butylbenzene	18.42	119	916005m	58.258	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	1167898	56.886	ug/L		100
77)	sec-butylbenzene	18.65	105	1209283	57.941	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	711396	53.282	ug/L		100
79)	p-isopropyltoluene	18.78	119	1050638	59.807	ug/L		100
80)	1,4-dichlorobenzeneV	19.01	146	730131	52.216	ug/L		98
81)	1,2-dichlorobenzeneV	19.38	146	714596	52.166	ug/L		98
82)	n-butylbenzene	19.19	91	972452	59.102	ug/L		98
84)	1,2-dibromo-3-chloropropan	20.10	75	74210	46.729	ug/L		99
85)	1,3,5-trichlorobenzV	20.31	180	429552	54.388	ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	375531	55.852	ug/L		98
87)	hexachlorobutadieneV	21.09	225	199510	52.301	ug/L		100
88)	naphthaleneV	21.26	128	839015	55.722	ug/L		100
89)	1,2,3-trichlorobenzV	21.52	180	312128	53.623	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072314.D Vial: 14
Acq On : 23 Jul 2010 3:42 pm Operator: KJP
Sample : 50 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 13:39 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072306.D Vial: 6
Acq On : 23 Jul 2010 10:32 am Operator: KJP
Sample : 100 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:07:23 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 10:31:46 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	332674	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.20	117	244745	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	108629	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	86566	9.65	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.53%			
35) SS 1,2-DCA-d4_MS	10.55	65	102022	9.52	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.18%			
48) SS toluene-d8_MS	14.13	98	321076	10.04	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.44%			
65) SS 4-BFB_MS	17.68	95	124558	10.53	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 105.32%			
83) SS 1,2-DCB-D4_MS	19.35	152	99822	9.65	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.55%			
90) SS 2,5-DBT_MS	22.73	250	189208	185.53	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 463.82%#			

11 192736 acetone area = 192736 8/31/10

Target Compounds						Qvalue
8) diethyl ether	4.47	59	513801	102.307	ug/L	99
9) 1,1,2-Trichlorotrifluoroet	4.69	101	399862	102.645	ug/L	99
12) 1,1-dichloroethene	5.00	96	668241	122.299	ug/L	97
13) tert-Butyl Alcohol (TBA)	5.16	59	239038	619.599	ug/L	98
15) methylene chloride	5.89	84	754795	101.723	ug/L	99
16) carbon disulfide	5.90	76	2288049	139.081	ug/L	100
17) acrylonitrile	6.14	53	292116	101.705	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.18	73	3351237	219.617	ug/L	99
19) trans-1,2-dichloroethene	6.46	96	809888	106.712	ug/L	99
21) Isopropyl ether (DIPE)	7.10	45	2929390	138.782	ug/L	98
23) 1,1-dichloroethane	7.32	63	1731472	117.042	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	2376479	153.659	ug/L	99
25) 2,2-dichloropropane	8.50	77	1093254	149.191	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	1001920	127.703	ug/L	98
27) 2-butanone (MEK)	8.23	43	352696	119.165	ug/L	98
28) bromochloromethane	9.30	128	476884	118.742	ug/L	96
29) Tetrahydrofuran (THF)	9.38	42	212481	139.906	ug/L	95
30) chloroform	8.94	83	1616910	108.205	ug/L	100
32) 1,1,1-trichloroethane	9.81	97	1301411	138.479	ug/L	99
33) carbon tetrachloride	10.38	117	1087785	157.801	ug/L	99
34) 1,1-dichloropropene	10.17	75	1204737	147.968	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	1826065	165.488	ug/L	89
37) benzene	10.78	78	3477446	119.399	ug/L	99
38) 1,2-dichloroethane	10.77	62	1278453	107.883	ug/L	99
39) trichloroethene	12.09	95	941982	119.287	ug/L	99
40) 1,2-dichloropropane	12.44	63	1003259	120.749	ug/L	97
42) dibromomethane	12.94	93	597558	109.432	ug/L	100
43) bromodichloromethane	12.85	83	1245870	143.939	ug/L	100
45) 4-methyl-2-pentanone (MIBK	13.45	58	293887	209.513	ug/L	93
46) cis-1,3-dichloropropene	13.76	75	1459362	174.327	ug/L	100
49) toluene	14.24	91	3414317	118.553	ug/L	99
50) trans-1,3-dichloropropene	14.52	75	1321892	197.631	ug/L	99
51) 1,1,2-trichloroethane	14.74	83	688533	113.614	ug/L	100
52) 2-hexanone	14.76	43	516056	181.653	ug/L	96
53) tetrachloroethene	15.18	166	772691	113.947	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072306.D Vial: 6
Acq On : 23 Jul 2010 10:32 am Operator: KJP
Sample : 100 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:07:23 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 10:31:46 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

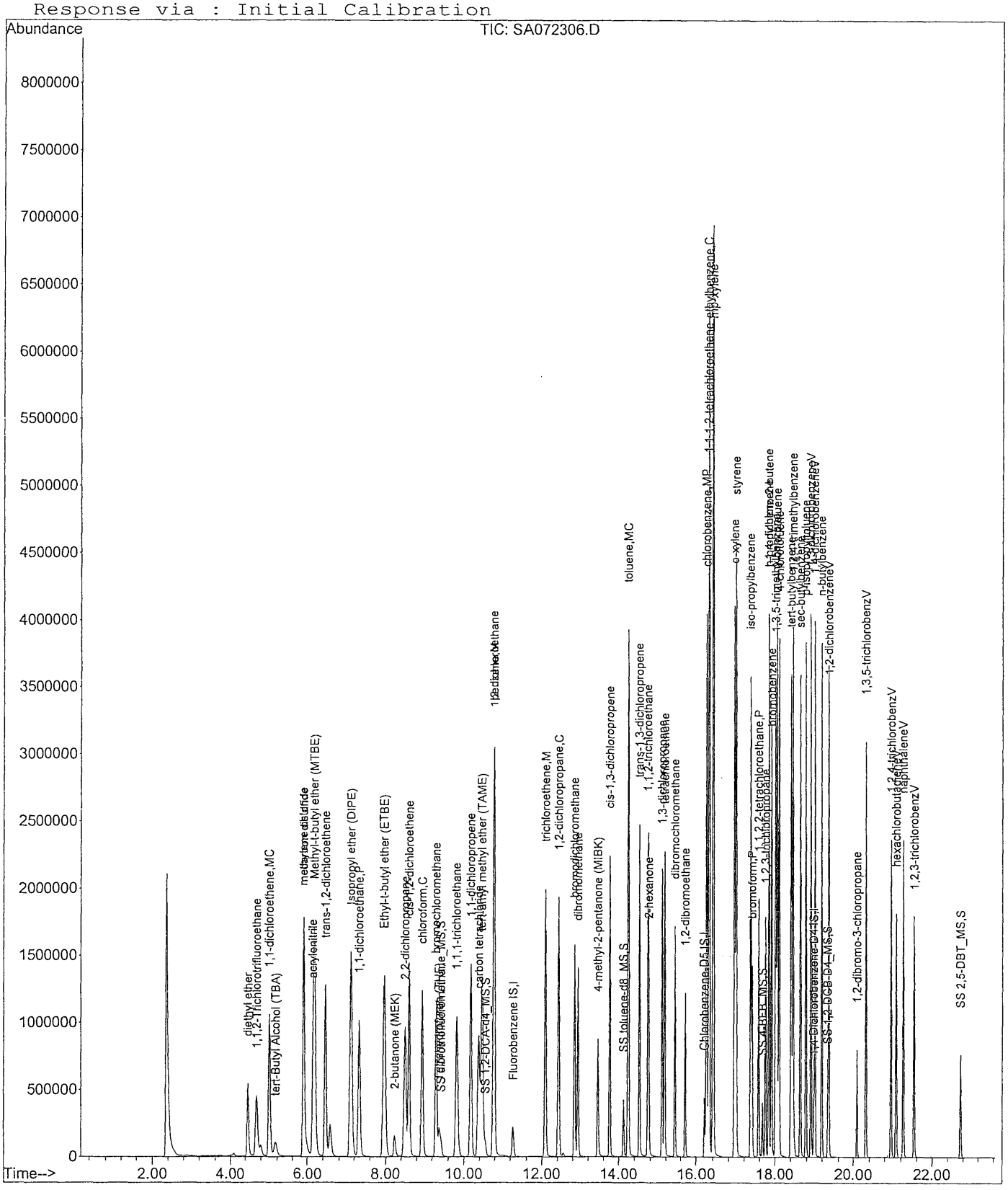
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
54)	1,3-dichloropropane	15.11	76	1346599	122.015	ug/L		100
55)	dibromochloromethane	15.45	129	900861	174.862	ug/L		100
56)	1,2-dibromoethane	15.72	107	810050	129.903	ug/L		99
57)	chlorobenzene	16.26	112	2253618	106.533	ug/L		99
58)	1,1,1,2-tetrachloroethane	16.31	131	784161	151.722	ug/L		99
59)	ethylbenzene	16.32	91	3277819	128.514	ug/L		98
60)	mp-xylene	16.42	106	2404420	265.783	ug/L		96
61)	o-xylene	16.96	106	1293733	157.265	ug/L		98
62)	styrene	16.99	104	2298130	156.205	ug/L	#	89
63)	bromoform	17.41	173	581081	203.012	ug/L	#	100
64)	iso-propylbenzene	17.37	105	2474698	160.371	ug/L		99
67)	bromobenzene	17.92	156	911235	114.321	ug/L		99
68)	1,1,2,2-tetrachloroethane	17.58	83	990167	115.637	ug/L		100
69)	1,2,3-trichloropropane	17.76	110	270276	100.007	ug/L		97
~~70)~~	~~t-1,4-dichloro-2-butene~~	~~17.84~~	~~53~~	~~15777~~	~~35.926~~	ug/L	#	1
71)	n-propylbenzene	17.84	91	3146048	131.339	ug/L		97
72)	2-chlorotoluene	18.05	91	2416568	126.058	ug/L		99
73)	4-chlorotoluene	18.11	91	2339550	122.028	ug/L		99
74)	1,3,5-trimethylbenzene	18.02	105	2142389	161.176	ug/L		99
75)	tert-butylbenzene	18.42	119	1786788m	156.384	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	2238222	156.174	ug/L		98
77)	sec-butylbenzene	18.65	105	2323088	148.929	ug/L		99
78)	1,3-dichlorobenzeneV	18.91	146	1380885	116.788	ug/L		100
79)	p-isopropyltoluene	18.78	119	2017920	164.478	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	1415178	102.891	ug/L		97
81)	1,2-dichlorobenzeneV	19.39	146	1371655	102.621	ug/L		97
82)	n-butylbenzene	19.19	91	1841173	146.952	ug/L		98
84)	1,2-dibromo-3-chloropropan	20.10	75	155122	205.649	ug/L		99
85)	1,3,5-trichlorobenzV	20.31	180	851253	124.879	ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	741801	143.543	ug/L		99
87)	hexachlorobutadieneV	21.09	225	388769	109.988	ug/L		99
88)	naphthaleneV	21.26	128	1688876	196.162	ug/L		99
89)	1,2,3-trichlorobenzV	21.53	180	621166	137.735	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072306.D Vial: 6
Acq On : 23 Jul 2010 10:32 am Operator: KJP
Sample : 100 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:08 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072318.D Vial: 18
Acq On : 23 Jul 2010 6:06 pm Operator: KJP
Sample : 200 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:06:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	343082	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	248169	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	107780	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	89540	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.54%			
35) SS 1,2-DCA-d4_MS	10.55	65	103161	9.55	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.45%			
48) SS toluene-d8_MS	14.13	98	323993	10.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.09%			
65) SS 4-BFB_MS	17.68	95	127664	10.47	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 104.75%			
83) SS 1,2-DCB-D4_MS	19.35	152	99089	9.78	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.83%			
90) SS 2,5-DBT_MS	22.73	250	393209	275.25	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 688.13%#			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	1010139	208.600	ug/L	95
9) 1,1,2-Trichlorotrifluoroet	4.68	101	811634	218.469	ug/L	99
11) acetone	4.80	43	375223	162.646	ug/L	96
12) 1,1-dichloroethene	5.00	96	1309397	223.215	ug/L	98
13) tert-Butyl Alcohol (TBA)	5.16	59	532174	1072.085	ug/L	89
15) methylene chloride	5.89	84	1439100	192.289	ug/L	98
16) carbon disulfide	5.90	76	4095898	216.756	ug/L	100
17) acrylonitrile	6.14	53	532369	183.571	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.18	73	6536234	408.307	ug/L	99
19) trans-1,2-dichloroethene	6.45	96	1840129	232.321	ug/L	99
20) hexane	6.58	57	469841	252.852	ug/L	93
21) Isopropyl ether (DIPE)	7.10	45	5765715	230.269	ug/L	98
23) 1,1-dichloroethane	7.32	63	3474884	219.047	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	4911149	249.839	ug/L	98
25) 2,2-dichloropropane	8.50	77	2378275	271.119	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	1988069	222.752	ug/L	98
27) 2-butanone (MEK)	8.23	43	754275	229.630	ug/L	99
28) bromochloromethane	9.30	128	958517	218.316	ug/L	97
29) Tetrahydrofuran (THF)	9.38	42	458644	259.701	ug/L	99
30) chloroform	8.94	83	3228704	209.758	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	2680564	245.394	ug/L	98
33) carbon tetrachloride	10.37	117	2292152	273.437	ug/L	99
34) 1,1-dichloropropene	10.17	75	2426920	252.160	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	3864351	264.483	ug/L #	88
37) benzene	10.78	78	6471644	199.117	ug/L	99
38) 1,2-dichloroethane	10.77	62	2452860	196.112	ug/L	98
39) trichloroethene	12.09	95	1859170	223.504	ug/L	99
40) 1,2-dichloropropane	12.44	63	1941638	211.646	ug/L	98
42) dibromomethane	12.94	93	1172113	202.770	ug/L	99
43) bromodichloromethane	12.85	83	2472537	236.387	ug/L	100
45) 4-methyl-2-pentanone (MIBK	13.45	58	628106	276.066	ug/L	97
46) cis-1,3-dichloropropene	13.77	75	2863373	251.177	ug/L	99
49) toluene	14.25	91	6163021	195.857	ug/L	97
50) trans-1,3-dichloropropene	14.52	75	2625361	270.029	ug/L	99
51) 1,1,2-trichloroethane	14.74	83	1289112	199.652	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072318.D Vial: 18
Acq On : 23 Jul 2010 6:06 pm Operator: KJP
Sample : 200 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:06:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

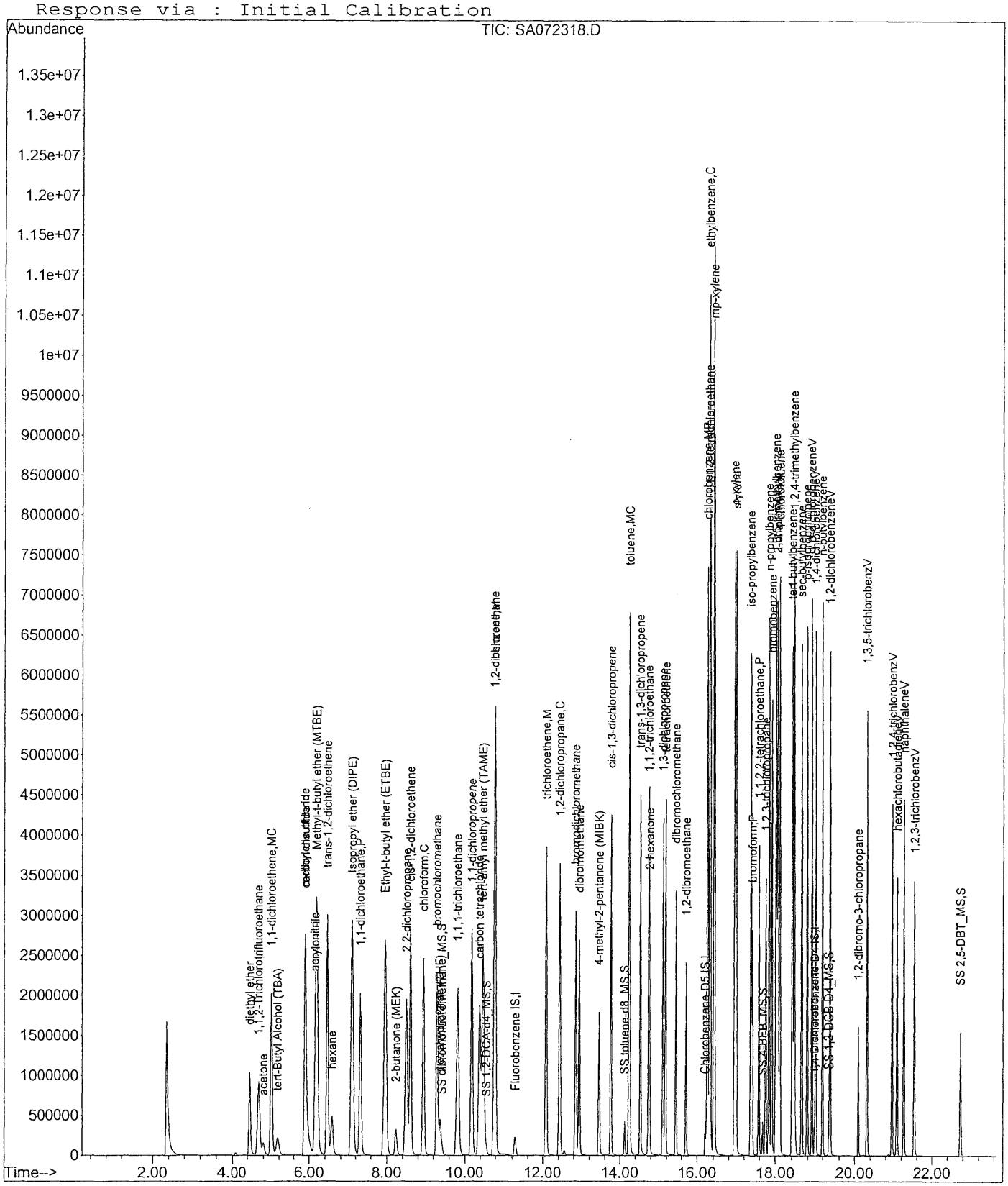
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	2-hexanone	14.76	43	1025609	251.658	ug/L		94
53)	tetrachloroethene	15.18	166	1490453	214.278	ug/L		98
54)	1,3-dichloropropane	15.11	76	2525378	205.854	ug/L		99
55)	dibromochloromethane	15.45	129	1790046	264.144	ug/L		98
56)	1,2-dibromoethane	15.72	107	1582299	222.041	ug/L		100
57)	chlorobenzene	16.26	112	4010029	186.236	ug/L		99
58)	1,1,1,2-tetrachloroethane	16.31	131	1423553	216.366	ug/L		99
59)	ethylbenzene	16.32	91	5487997	182.510	ug/L		96
60)	mp-xylene	16.42	106	4028077	364.863	ug/L		89
61)	o-xylene	16.96	106	2367489	219.567	ug/L		94
62)	styrene	17.00	104	4153935	207.069	ug/L	#	88
63)	bromoform	17.41	173	1174664	289.305	ug/L	#	98
64)	iso-propylbenzene	17.37	105	4511753	226.097	ug/L		97
67)	bromobenzene	17.92	156	1680475	197.504	ug/L		99
68)	1,1,2,2-tetrachloroethane	17.58	83	1895714	205.433	ug/L		100
69)	1,2,3-trichloropropane	17.76	110	527379	202.207	ug/L		99
71)	n-propylbenzene	17.84	91	5503872	203.514	ug/L		95
72)	2-chlorotoluene	18.05	91	4615969	212.649	ug/L		99
73)	4-chlorotoluene	18.11	91	3861463	183.264	ug/L		96
74)	1,3,5-trimethylbenzene	18.02	105	3910884	226.115	ug/L		98
75)	tert-butylbenzene	18.42	119	3291353m	232.016	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	4078794	216.658	ug/L		97
77)	sec-butylbenzene	18.65	105	4258959	222.442	ug/L		97
78)	1,3-dichlorobenzeneV	18.91	146	2482487	195.412	ug/L		98
79)	p-isopropyltoluene	18.78	119	3668148	230.045	ug/L		99
80)	1,4-dichlorobenzeneV	19.01	146	2508654	184.322	ug/L		98
81)	1,2-dichlorobenzeneV	19.39	146	2461357	184.492	ug/L		98
82)	n-butylbenzene	19.19	91	3339240	218.826	ug/L		96
84)	1,2-dibromo-3-chloropropan	20.10	75	322036	294.189	ug/L		98
85)	1,3,5-trichlorobenzV	20.31	180	1563141	211.379	ug/L		98
86)	1,2,4-trichlorobenzV	20.96	180	1401708	228.286	ug/L		99
87)	hexachlorobutadieneV	21.09	225	747237	205.714	ug/L		98
88)	naphthaleneV	21.26	128	3252289	261.591	ug/L		99
89)	1,2,3-trichlorobenzV	21.53	180	1204186	228.468	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072318.D Vial: 18
Acq On : 23 Jul 2010 6:06 pm Operator: KJP
Sample : 200 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 9:07 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072321.D Vial: 21
Acq On : 23 Jul 2010 7:55 pm Operator: KJP
Sample : 300 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:10:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	337792	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	249666	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	108255	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	90653	10.24	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.36%			
35) SS 1,2-DCA-d4_MS	10.55	65	105843	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.47%			
48) SS toluene-d8_MS	14.13	98	325992	10.01	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.11%			
65) SS 4-BFB_MS	17.68	95	123365	10.06	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.61%			
83) SS 1,2-DCB-D4_MS	19.35	152	99054	9.74	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.37%			
90) SS 2,5-DBT_MS	22.73	250	620798	432.66	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 1081.65%#			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	1478039	310.004	ug/L	95
9) 1,1,2-Trichlorotrifluoroet	4.68	101	1169365	319.689	ug/L	99
11) acetone	4.81	43	589062	259.337	ug/L	96
12) 1,1-dichloroethene	4.99	96	1895634	328.212	ug/L	97
13) tert-Butyl Alcohol (TBA)	5.19	59	894233	1829.679	ug/L #	86
15) methylene chloride	5.89	84	2110043	286.353	ug/L	96
16) carbon disulfide	5.90	76	5561861	298.945	ug/L	100
17) acrylonitrile	6.16	53	796968	279.113	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.19	73	9639512	611.594	ug/L	99
19) trans-1,2-dichloroethene	6.45	96	2077178	266.355	ug/L	99
20) hexane	6.57	57	663855	362.859	ug/L	92
21) Isopropyl ether (DIPE)	7.12	45	8199925	332.614	ug/L	98
23) 1,1-dichloroethane	7.32	63	5012906	320.948	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	7328240	378.639	ug/L	98
25) 2,2-dichloropropane	8.50	77	3363089	389.390	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	2837850	322.945	ug/L	99
27) 2-butanone (MEK)	8.23	43	1206899	373.181	ug/L	98
28) bromochloromethane	9.31	128	1391571	321.914	ug/L	96
29) Tetrahydrofuran (THF)	9.39	42	745754	428.887	ug/L	97
30) chloroform	8.94	83	4679682	308.784	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	4015561	373.364	ug/L	98
33) carbon tetrachloride	10.37	117	3400110	411.960	ug/L	99
34) 1,1-dichloropropene	10.17	75	3493933	368.709	ug/L	99
36) tert-amyl methyl ether (TA	10.47	73	5932753	412.407	ug/L #	85
37) benzene	10.79	78	8839081	276.217	ug/L	99
38) 1,2-dichloroethane	10.78	62	3472867	282.012	ug/L	97
39) trichloroethene	12.09	95	2625213	320.538	ug/L	99
40) 1,2-dichloropropane	12.44	63	2747625	304.193	ug/L	97
42) dibromomethane	12.94	93	1686563	296.336	ug/L	98
43) bromodichloromethane	12.85	83	3585689	348.178	ug/L	100
45) 4-methyl-2-pentanone (MIBK	13.45	58	986447	440.354	ug/L	99
46) cis-1,3-dichloropropene	13.77	75	3970427	353.743	ug/L	99
49) toluene	14.25	91	8045893	254.161	ug/L	94
51) 1,1,2-trichloroethane	14.75	83	1812961	279.099	ug/L	99
52) 2-hexanone	14.78	43	1566102	381.978	ug/L #	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072321.D Vial: 21
Acq On : 23 Jul 2010 7:55 pm Operator: KJP
Sample : 300 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 26 09:10:38 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 09:00:03 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

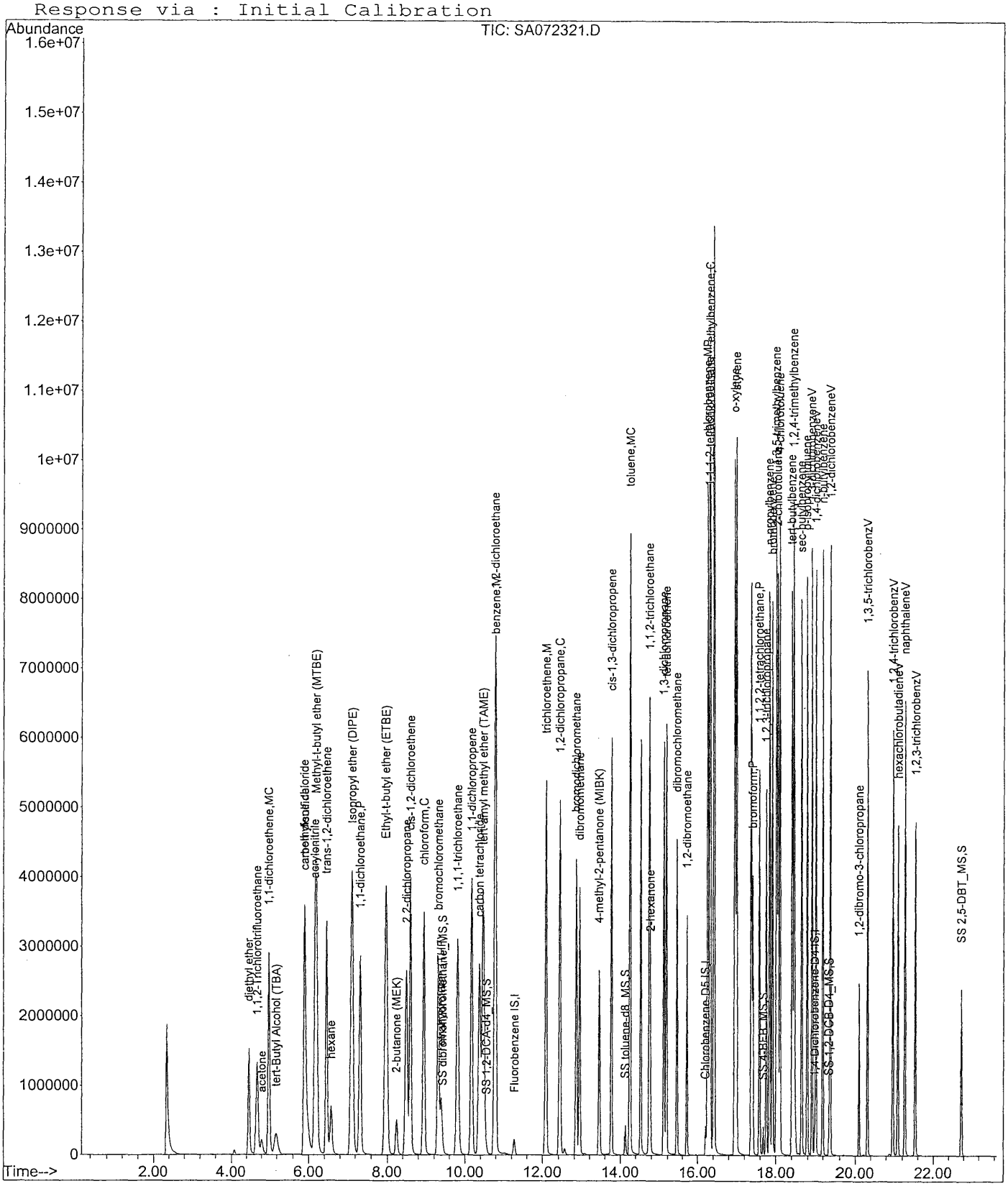
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
53) tetrachloroethene	15.18	166	2049462	292.879	ug/L		98
54) 1,3-dichloropropane	15.11	76	3535614	286.474	ug/L		99
55) dibromochloromethane	15.45	129	2554237	374.650	ug/L		97
56) 1,2-dibromoethane	15.72	107	2253845	314.381	ug/L		99
57) chlorobenzene	16.26	112	5330287	246.068	ug/L		97
58) 1,1,1,2-tetrachloroethane	16.31	131	1914308	289.212	ug/L		99
59) ethylbenzene	16.33	91	6751217	223.173	ug/L		93
61) o-xylene	16.96	106	3161486	291.446	ug/L		91
62) styrene	17.00	104	5375532	266.358	ug/L		94
63) bromoform	17.41	173	1719055	420.844	ug/L	#	98
67) bromobenzene	17.92	156	2279948	266.784	ug/L		98
68) 1,1,2,2-tetrachloroethane	17.58	83	2722869	293.775	ug/L		100
69) 1,2,3-trichloropropane	17.76	110	772850	295.026	ug/L		100
71) n-propylbenzene	17.84	91	6936218	255.351	ug/L		92
72) 2-chlorotoluene	18.05	91	5926973	271.846	ug/L		98
73) 4-chlorotoluene	18.11	91	5129324	242.368	ug/L		95
74) 1,3,5-trimethylbenzene	18.02	105	5137429	295.726	ug/L		98
75) tert-butylbenzene	18.42	119	4343607m	304.849	ug/L		
76) 1,2,4-trimethylbenzene	18.46	105	5264540	278.415	ug/L		96
77) sec-butylbenzene	18.65	105	5471337	284.510	ug/L		96
78) 1,3-dichlorobenzeneV	18.91	146	3263810	255.787	ug/L		96
79) p-isopropyltoluene	18.78	119	4772777	298.007	ug/L		98
80) 1,4-dichlorobenzeneV	19.02	146	3259168	238.415	ug/L		97
81) 1,2-dichlorobenzeneV	19.39	146	3218143	240.159	ug/L		97
82) n-butylbenzene	19.19	91	4287913	279.761	ug/L		95
84) 1,2-dibromo-3-chloropropan	20.10	75	516762	470.005	ug/L		99
85) 1,3,5-trichlorobenzV	20.31	180	2056871	276.924	ug/L		97
86) 1,2,4-trichlorobenzV	20.96	180	1902667	308.514	ug/L		99
87) hexachlorobutadieneV	21.09	225	1006199	275.790	ug/L		99
88) naphthaleneV	21.26	128	4861181	389.283	ug/L		97
89) 1,2,3-trichlorobenzV	21.53	180	1717704	324.466	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072321.D Vial: 21
Acq On : 23 Jul 2010 7:55 pm Operator: KJP
Sample : 300 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:17 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072307.D Vial: 7
Acq On : 23 Jul 2010 11:08 am Operator: KJP
Sample : 50 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:09:14 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 12:08:55 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	329839	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	241945	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	103212	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	0.00	111	0d	0.00	ug/L	
Spiked Amount 10.000	Range 80 - 120		Recovery = 0.00%#			
35) SS 1,2-DCA-d4_MS	10.55	65	101727	9.69	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.89%			
48) SS toluene-d8_MS	14.13	98	320542	10.13	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.32%			
65) SS 4-BFB_MS	17.68	95	116568	9.84	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.39%			
83) SS 1,2-DCB-D4_MS	19.35	152	98154	10.08	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.78%			
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	2.56	85	532225	57.826	ug/L	99
3) chloromethane	2.87	50	450472	15983.078	ug/L	100
4) vinyl chloride	2.99	62	259434	37.160	ug/L	96
5) bromomethane	3.58	94	202343	87.186	ug/L	99
6) chloroethane	3.68	64	263543	56.227	ug/L	99
7) trichlorofluoromethane	4.02	101	622577	61.419	ug/L	98
10) acrolein	4.68	56	54310	21284.498	ug/L	100
22) vinyl acetate	7.34	43	767530	35751.927	ug/L	100
44) 2-Chloroethoxyethene	13.41	63	286334	29762.471	ug/L	98

14Dioxane area = 5475

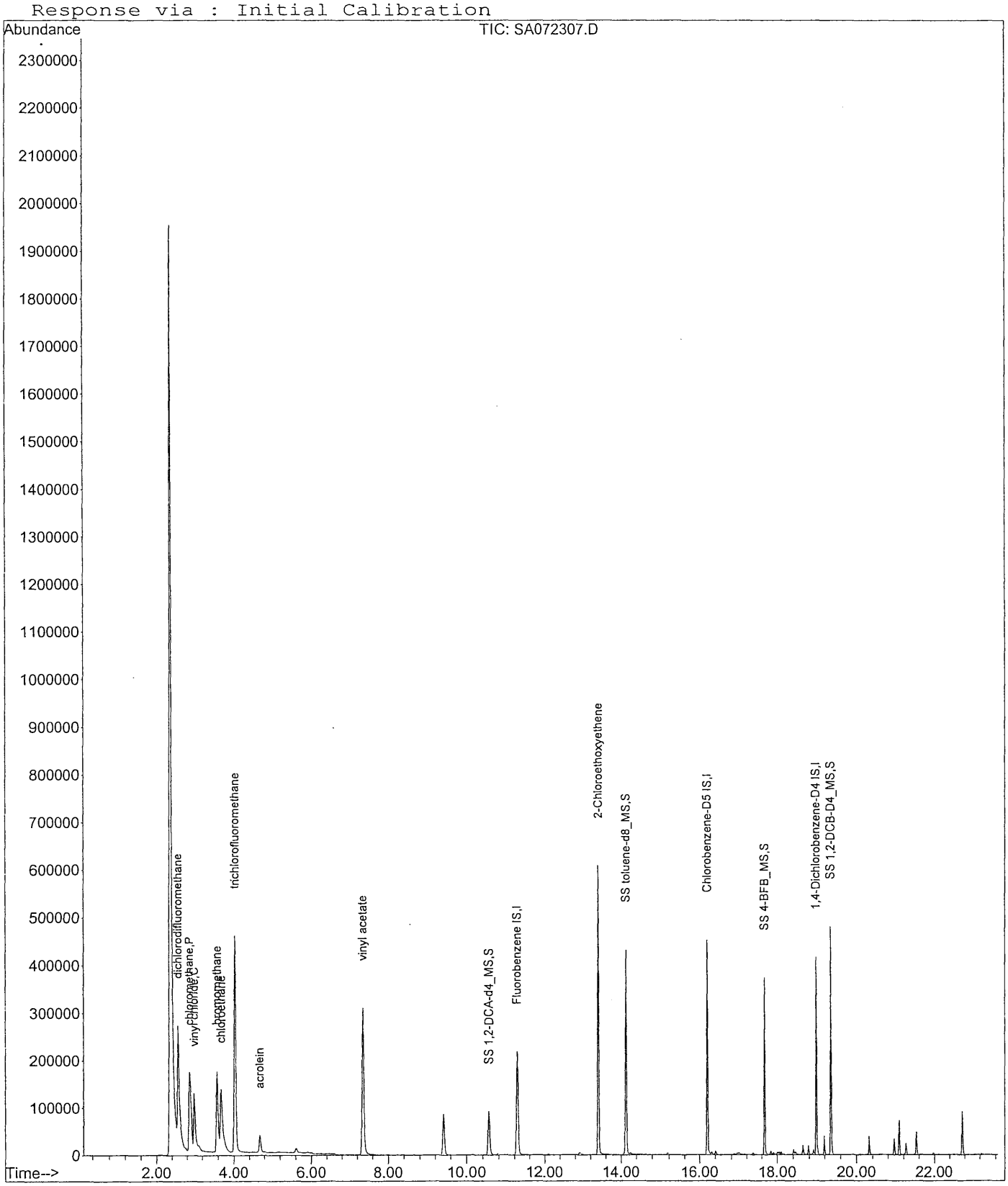
8/31/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072307.D Vial: 7
Acq On : 23 Jul 2010 11:08 am Operator: KJP
Sample : 50 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:10 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072308.D Vial: 8
Acq On : 23 Jul 2010 11:56 am Operator: KJP
Sample : 100 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 12:34:41 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 12:11:27 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

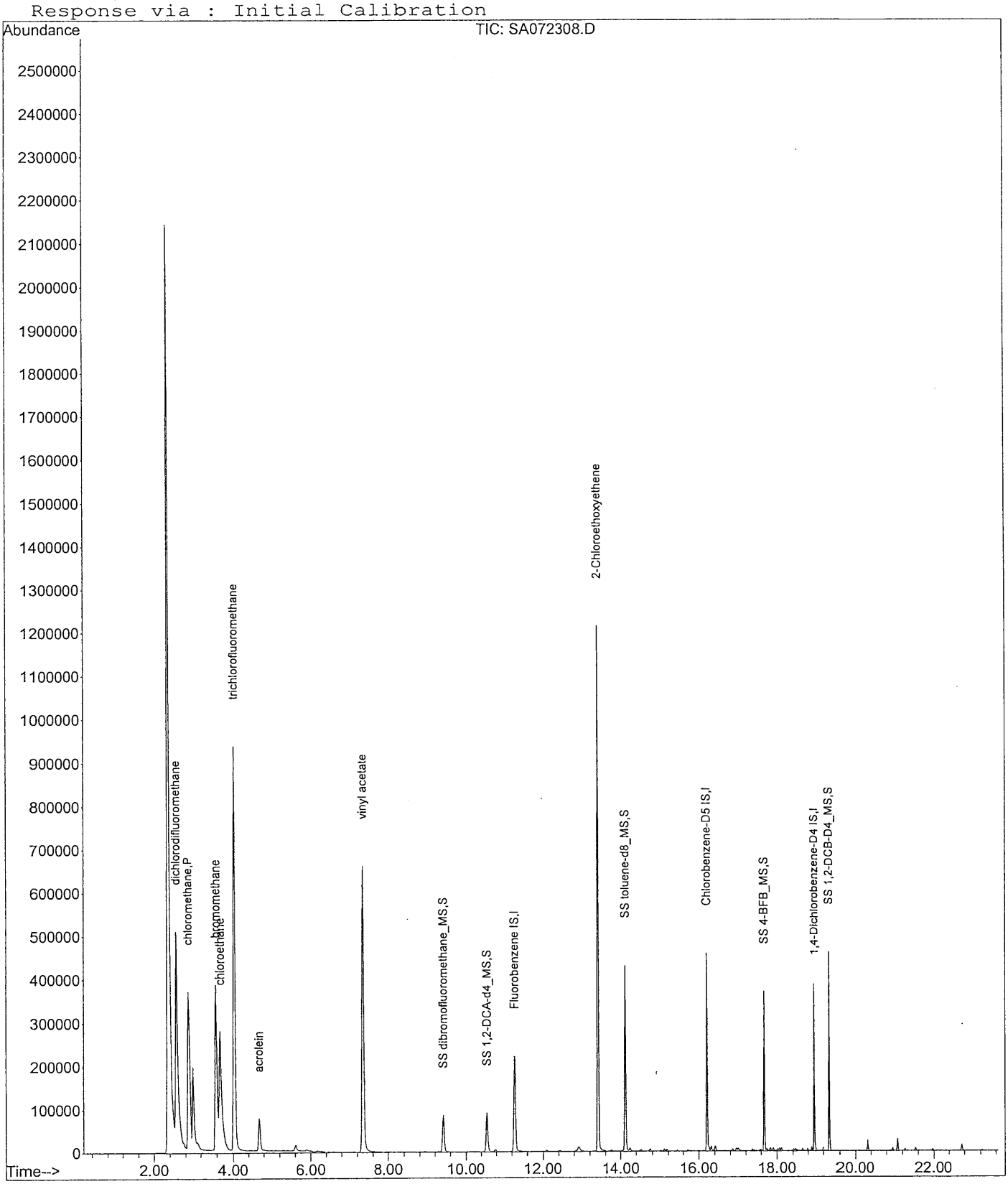
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	331781	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	245472	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.99	152	98673	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	83354	9.40	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.01%			
35) SS 1,2-DCA-d4_MS	10.55	65	102263	9.74	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.44%			
48) SS toluene-d8_MS	14.13	98	322828	10.03	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.31%			
65) SS 4-BFB_MS	17.68	95	114946	9.59	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.94%			
83) SS 1,2-DCB-D4_MS	19.35	152	94712	10.16	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.56%			
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	2.56	85	1065348	106.720	ug/L	99
3) chloromethane	2.87	50	927928	105.641	ug/L	100
5) bromomethane	3.58	94	478074	149.278	ug/L	98
6) chloroethane	3.68	64	544098	108.639	ug/L	99
7) trichlorofluoromethane	4.02	101	1273181	112.070	ug/L	99
10) acrolein	4.68	56	109390	199.770	ug/L	99
22) vinyl acetate	7.34	43	1659781	214.684	ug/L	99
44) 2-Chloroethoxyethene	13.41	63	579683	200.927	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072308.D Vial: 8
Acq On : 23 Jul 2010 11:56 am Operator: KJP
Sample : 100 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:18 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072313.D Vial: 13
Acq On : 23 Jul 2010 3:05 pm Operator: KJP
Sample : 200 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 23 15:38:05 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Fri Jul 23 15:37:59 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

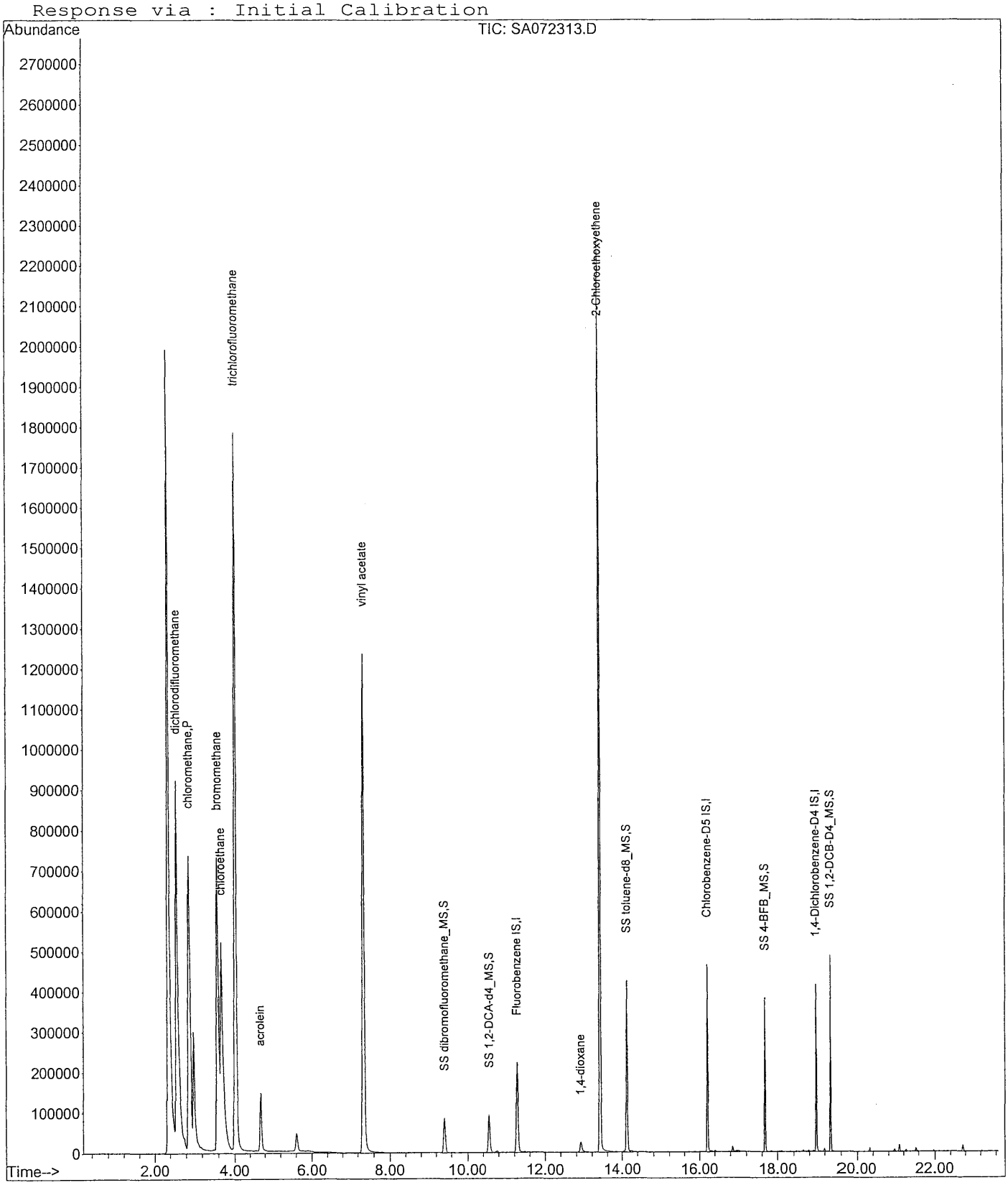
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	339708	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	250368	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	103657	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.42	111	85807	9.62 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.19%		
35) SS 1,2-DCA-d4_MS	10.55	65	104215	9.71 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.11%		
48) SS toluene-d8_MS	14.13	98	326174	9.98 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.80%		
65) SS 4-BFB_MS	17.68	95	118018	9.59 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.88%		
83) SS 1,2-DCB-D4_MS	19.35	152	97875	10.04 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.42%		
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	2.56	85	2089407	211.629 ug/L	100
3) chloromethane	2.87	50	1834622	202.851 ug/L	99
5) bromomethane	3.58	94	1021665	227.278 ug/L	99
6) chloroethane	3.67	64	1054036	206.417 ug/L	99
7) trichlorofluoromethane	4.02	101	2474290	213.419 ug/L	99
10) acrolein	4.68	56	215133	212.848 ug/L	100
22) vinyl acetate	7.34	43	3196961	261.775 ug/L	99
41) 1,4-dioxane	12.90	88	30812	497.527 ug/L #	81
44) 2-Chloroethoxyethene	13.41	63	1174723	258.297 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\JUL10\JUL2310\SA072313.D Vial: 13
Acq On : 23 Jul 2010 3:05 pm Operator: KJP
Sample : 200 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 31 15:18 2010 Quant Results File: 4VID0723.RES

Method : T:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 15:12:29 2010
Response via : Initial Calibration



8260B
Volatile Organic Analysis

Batch QC

VOAMS4 Analysis Run Log

IS/SS ID= V-3668 (refilled IS/SS)
Standard ID= V-3661A
Analyst: WP
Gas Standard ID= V-3666
LCS/LCSD and/or MS/MSD Standard ID= V-3660 (L)
V-3667 (G)
Date: 8/26/2010

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA082601	~~BFB~~ Blank					VOCMS				
2	02	~~STD 20 M~~ BFB					VOCMS		Autofind BFB		✓
3	03	STD 20 ~~G~~M					VOCMS	4VI00723	FB: 434538 ⇓acetone, MEK		✓
4	04	STD 20 G					VOCMS		FB: 414539 ⇑TBM, acrolein		✓
5	05	~~MB~~ STD 2					VOCMS		ok		✓
6	06	MB					VOCMS		in control		✓
7	07	LCS					VOCMS		⇑Freon 113, 14D		
8	08	LCSd					VOCMS		⇑ Freon 113, 14D ⇓Acetone		
9	09	Blank					VOCMS				
10	10	91943.07	✓	✓		x1	VOCMS		iso-pb only		
11	11	91943.08	✓	✓		x1	VOCMS		~~iso-pb only~~ WP Rerun not needed on .08.		
12	12	92079.01	✓	✓		x1	VOCMS				
13	13	92079.02	✓	✓		x1	VOCMS				
14	14	92079.03	✓	✓		x1	VOCMS				
15	15	92079.04	✓	✓		x1	VOCMS				
16	16	92079.07	✓	✓		x1	VOCMS				
17	17	92079.08	✓	✓		x1	VOCMS				
18	18	92079.03-MS	✓	✓		x1	VOCMS				
19	19	92079.03-MSD	✓	✓		x1	VOCMS				
20	20	Blank	✓	✓		x1	VOCMS				
21	21	92093.01	✓		✓	x20	VOCMS		prep 8/24/10		
22	22	Blank					VOCMS				
23	23	Blank					VOCMS				
24	24	Blank					VOCMS				
							VOCMS				
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COPY

8/26/10 WP

Samples removed from autosampler, order and pH verified by WP 8/27/10

GC/MS QA-QC Check Report

Tune File : Y:\1\DATA\AUG2610\SA082602.D
Tune Time : 26 Aug 2010 12:15 pm

Daily Calibration File : Y:\1\DATA\AUG2610\SA082603.D

						434538	318819	149298

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA082603.D	STD 20 M	98	92	101	101	434538	318819	149298
		99	40*					
SA082604.D	STD 20 G	95	94	103	98	419539	308516	145629
		101	10*					
SA082605.D	STD 2	95	94	99	99	419618	309575	144910
		98	15*					
SA082606.D	MB	97	95	97	96	406956	301892	137182
		99	11*					
SA082607.D	LCS	101	94	102	102	418164	313133	148274
		97	11*					
SA082608.D	LCSD	98	94	100	100	419008	314179	146262
		98	10*					
SA082610.D	91943.07	98	95	98	96	398443	298013	134972
		99	0*					
SA082611.D	91943.08	101	97	97	92	385281	292287	127314
		105	10*					
SA082612.D	92079.01	102	97	98	97	382945	287020	121978
		107	0*					
SA082613.D	92079.02	102	101	98	97	377568	282626	126572
		104	0*					
SA082614.D	92079.03	104	102	94	93	369622	283476	123855
		103	0*					
SA082615.D	92079.04	105	104	97	95	362857	276556	120455
		108	0*					
SA082616.D	92079.07	108	106	97	89	351569	272812	114695
		111	0*					
SA082617.D	92079.08	107	105	99	93	346557	259892	115970
		104	0*					
SA082618.D	92079.03 (MS) (MP)	108	103	99	102	370487	284506	136047
		94	0*					
SA082619.D	92079.03 (MSD) (LC)	104	98	98	101	385071	295489	134963
		100	0*					
SA082621.D	92093.01	103	102	97	101	369286	316002	133725
		102	13*					

t - fails 12hr time check * - fails criteria

Created: Fri Aug 27 13:01:46 2010 VOAMS4

BFB

Data File : Y:\1\DATA\AUG2610\SA082602.D
Acq On : 26 Aug 2010 12:15 pm
Sample : BFB
Misc : X1;5mL
MS Integration Params: RTEINT.P

Vial: 2
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane

AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1528

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	11515	PASS
75	95	30	60	45.1	31228	PASS
95	95	100	100	100.0	69295	PASS
96	95	5	9	7.7	5344	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.6	60712	PASS
175	174	5	9	6.6	4009	PASS
176	174	95	101	96.7	58736	PASS
177	176	5	9	6.5	3842	PASS

SA082602.D 4VID0723.M Fri Aug 27 12:59:54 2010

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2610\SA082603.D Vial: 3
Acq On : 26 Aug 2010 12:51 pm Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	130	0.00
2		dichlorodifluoromethane	-1.000	0.000	0.0	0	-2.56#
3	P	chloromethane	-1.000	0.000	0.0	0	-2.87#
4	C	vinyl chloride	-1.000	0.000	0.0	0	-2.99#
5		bromomethane	-1.000	0.000	0.0	0	-3.58#
6		chloroethane	-1.000	0.000	0.0	0	-3.67#
7		trichlorofluoromethane	-1.000	0.000	0.0	0	-4.02#
8		diethyl ether	20.000	18.759	6.2	119	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	18.372	8.1	129	0.00
10		acrolein	-1.000	0.000	0.0	0	-4.68#
11		acetone	20.000	14.133	29.3#	95	0.01
12	MC	1,1-dichloroethene	20.000	20.366	-1.8#	137	0.00
13		tert-Butyl Alcohol (TBA)	100.000	83.919	16.1	106	-0.01
14		iodomethane	20.000	0.000	100.0#	0	0.03
15		methylene chloride	20.000	18.967	5.2	123	0.00
16		carbon disulfide	20.000	18.039	9.8	116	0.00
17		acrylonitrile	20.000	17.171	14.1	105	0.00
18		Methyl-t-butyl ether (MTBE)	40.000	39.575	1.1	122	0.00
19		trans-1,2-dichloroethene	20.000	22.276	-11.4	141	0.00
20		hexane	20.000	17.912	10.4	134	0.00
21		Isopropyl ether (DIPE)	20.000	18.672	6.6	116	0.00
22		vinyl acetate	-1.000	0.000	0.0	0	-7.34#
23	P	1,1-dichloroethane	20.000	19.178	4.1	124	0.00
24		Ethyl-t-butyl ether (ETBE)	20.000	19.364	3.2	124	0.00
25		2,2-dichloropropane	20.000	18.308	8.5	134	0.00
26		cis-1,2-dichloroethene	20.000	20.694	-3.5	130	0.00
27		2-butanone (MEK)	20.000	15.551	22.2#	103	-0.01
28		bromochloromethane	20.000	20.284	-1.4	129	0.01
29		Tetrahydrofuran (THF)	20.000	15.919	20.4#	106	0.01
30	C	chloroform	20.000	19.627	1.9	128	0.00
31	S	SS dibromofluoromethane_MS	10.000	9.769	2.3	127	0.00
32		1,1,1-trichloroethane	20.000	19.854	0.7	135	0.00
33		carbon tetrachloride	20.000	18.775	6.1	140	0.00
34		1,1-dichloropropene	20.000	20.407	-2.0	139	0.00
35	S	SS 1,2-DCA-d4_MS	10.000	9.203	8.0	118	0.00
36		tert-amyl methyl ether (TAM	20.000	19.979	0.1	130	0.00
37	M	benzene	20.000	20.981	-4.9	129	0.00
38		1,2-dichloroethane	20.000	18.646	6.8	118	0.00
39	M	trichloroethene	20.000	20.574	-2.9	136	0.00
40	C	1,2-dichloropropane	20.000	19.326	3.4	122	0.00
41		1,4-dioxane	40.000	0.000	100.0#	0	-12.93#
42		dibromomethane	20.000	20.000	0.0	125	0.00
43		bromodichloromethane	20.000	17.307	13.5	119	0.00
44		2-Chloroethoxyethene	-1.000	2.989	0.0	0	-13.40#
45		4-methyl-2-pentanone (MIBK)	20.000	16.269	18.7	104	0.00
46		cis-1,3-dichloropropene	20.000	19.240	3.8	119	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	127	0.00
48	S	SS toluene-d8_MS	10.000	10.082	-0.8	129	0.00
49	MC	toluene	20.000	22.066	-10.3	131	0.00
50		trans-1,3-dichloropropene	20.000	17.422	12.9	115	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2610\SA082603.D Vial: 3
Acq On : 26 Aug 2010 12:51 pm Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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)
51		1,1,2-trichloroethane	20.000	20.055	-0.3	124	0.00
52		2-hexanone	20.000	16.063	19.7	101	0.00
53		tetrachloroethene	20.000	23.135	-15.7	150	0.01
54		1,3-dichloropropane	20.000	19.851	0.7	120	0.00
55		dibromochloromethane	20.000	19.716	1.4	123	0.00
56		1,2-dibromoethane	20.000	20.725	-3.6	125	0.00
57	MP	chlorobenzene	20.000	21.596	-8.0	133	0.00
58		1,1,1,2-tetrachloroethane	20.000	22.241	-11.2	131	0.00
59	C	ethylbenzene	20.000	23.274	-16.4	136	0.00
60		mp-xylene	40.000	47.356	-18.4	136	0.00
61		o-xylene	20.000	23.054	-15.3	135	0.00
62		styrene	20.000	22.575	-12.9	129	0.00
63	P	bromoform	20.000	16.910	15.4	118	0.00
64		iso-propylbenzene	20.000	23.625	-18.1	144	0.00
65	S	SS 4-BFB_MS	10.000	10.093	-0.9	127	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	134	0.00
67		bromobenzene	20.000	20.769	-3.8	134	0.00
68	P	1,1,2,2-tetrachloroethane	20.000	18.071	9.6	118	0.01
69		1,2,3-trichloropropane	20.000	18.265	8.7	120	0.00
70		t-1,4-dichloro-2-butene	20.000	0.000	100.0#	0	0.03
71		n-propylbenzene	20.000	21.601	-8.0	140	0.00
72		2-chlorotoluene	20.000	20.070	-0.4	132	0.00
73		4-chlorotoluene	20.000	20.950	-4.7	133	0.01
74		1,3,5-trimethylbenzene	20.000	21.995	-10.0	140	0.01
75		tert-butylbenzene	20.000	22.023	-10.1	142	0.00
76		1,2,4-trimethylbenzene	20.000	21.525	-7.6	135	0.00
77		sec-butylbenzene	20.000	21.963	-9.8	142	0.00
78		1,3-dichlorobenzeneV	20.000	21.066	-5.3	138	0.00
79		p-isopropyltoluene	20.000	22.386	-11.9	143	0.00
80		1,4-dichlorobenzeneV	20.000	20.664	-3.3	136	0.00
81		1,2-dichlorobenzeneV	20.000	20.230	-1.2	132	0.00
82		n-butylbenzene	20.000	21.409	-7.0	138	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	9.882	1.2	133	0.00
84		1,2-dibromo-3-chloropropane	20.000	16.061	19.7	106	0.00
85		1,3,5-trichlorobenzV	20.000	21.932	-9.7	146	0.00
86		1,2,4-trichlorobenzV	20.000	20.809	-4.0	136	0.00
87		hexachlorobutadieneV	20.000	20.181	-0.9	145	0.00
88		naphthaleneV	20.000	18.277	8.6	116	0.00
89		1,2,3-trichlorobenzV	20.000	18.661	6.7	120	0.00
90	S	SS 2,5-DBT_MS	20.000	15.886	20.6#	103	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\AUG2610\SA082604.D Vial: 4
Acq On : 26 Aug 2010 1:27 pm Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
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	125	0.00
2		dichlorodifluoromethane	20.000	19.136	4.3	124	0.01
3	P	chloromethane	20.000	19.364	3.2	120	0.01
4	C	vinyl chloride	20.000	18.513	7.4	140	0.00
5		bromomethane	20.000	14.332	28.3#	92	0.00
6		chloroethane	20.000	19.897	0.5	124	0.01
7		trichlorofluoromethane	20.000	20.454	-2.3	131	0.00
8		diethyl ether	-1.000	0.000	0.0	0	-4.47#
9		1,1,2-Trichlorotrifluoroeth	-1.000	0.000	0.0	0	-4.69#
10		acrolein	20.000	11.064	44.7#	72	0.00
11		acetone	-1.000	0.000	0.0	0	-4.79#
12	MC	1,1-dichloroethene	-1.000	0.000	0.0	0	-5.00#
13		tert-Butyl Alcohol (TBA)	-1.000	0.000	0.0	0	-5.15#
14		iodomethane	-1.000	0.000	0.0	0	-5.56#
15		methylene chloride	-1.000	0.000	0.0	0	-5.89#
16		carbon disulfide	-1.000	0.000	0.0	0	-5.91#
17		acrylonitrile	-1.000	0.000	0.0	0	-6.14#
18		Methyl-t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-6.18#
19		trans-1,2-dichloroethene	-1.000	0.000	0.0	0	-6.45#
20		hexane	-1.000	0.000	0.0	0	-6.58#
21		Isopropyl ether (DIPE)	-1.000	0.000	0.0	0	-7.10#
22		vinyl acetate	20.000	18.150	9.3	126	0.00
23	P	1,1-dichloroethane	-1.000	0.000	0.0	0	-7.32#
24		Ethyl-t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-7.96#
25		2,2-dichloropropane	-1.000	0.000	0.0	0	-8.50#
26		cis-1,2-dichloroethene	-1.000	0.000	0.0	0	-8.60#
27		2-butanone (MEK)	-1.000	0.000	0.0	0	-8.23#
28		bromochloromethane	-1.000	0.000	0.0	0	-9.29#
29		Tetrahydrofuran (THF)	-1.000	0.000	0.0	0	-9.38#
30	C	chloroform	-1.000	0.000	0.0	0	-8.94#
31	S	SS dibromofluoromethane_MS	10.000	9.509	4.9	119	0.00
32		1,1,1-trichloroethane	-1.000	0.000	0.0	0	-9.81#
33		carbon tetrachloride	-1.000	0.000	0.0	0	-10.38#
34		1,1-dichloropropene	-1.000	0.000	0.0	0	-10.17#
35	S	SS 1,2-DCA-d4_MS	10.000	9.365	6.3	116	0.00
36		tert-amyl methyl ether (TAM	-1.000	0.000	0.0	0	-10.46#
37	M	benzene	-1.000	0.000	0.0	0	-10.78#
38		1,2-dichloroethane	-1.000	0.000	0.0	0	-10.77#
39	M	trichloroethene	-1.000	0.000	0.0	0	-12.09#
40	C	1,2-dichloropropane	-1.000	0.000	0.0	0	-12.44#
41		1,4-dioxane	40.000	36.732	8.2	99	-0.01
42		dibromomethane	-1.000	0.000	0.0	0	-12.94#
43		bromodichloromethane	-1.000	-0.131	0.0	0	-12.85#
44		2-Chloroethoxyethene	20.000	16.296	18.5	98	0.00
45		4-methyl-2-pentanone (MIBK)	-1.000	0.000	0.0	0	-13.45#
46		cis-1,3-dichloropropene	-1.000	0.000	0.0	0	-13.76#
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	123	0.00
48	S	SS toluene-d8_MS	10.000	10.296	-3.0	127	0.00
49	MC	toluene	-1.000	0.000	0.0	0	-14.24#
50		trans-1,3-dichloropropene	-1.000	1.509	0.0	0	-14.52#
51		1,1,2-trichloroethane	-1.000	0.000	0.0	0	-14.74#
52		2-hexanone	-1.000	0.000	0.0	0	-14.76#
53		tetrachloroethene	-1.000	0.000	0.0	0	-15.16#
54		1,3-dichloropropane	-1.000	0.000	0.0	0	-15.10#
55		dibromochloromethane	-1.000	0.000	0.0	0	-15.45#
56		1,2-dibromoethane	-1.000	0.000	0.0	0	-15.72#

57	MP	chlorobenzene	-1.000	0.000	0.0	0	-16.26#
58		1,1,1,2-tetrachloroethane	-1.000	0.000	0.0	0	-16.31#
59	C	ethylbenzene	-1.000	0.000	0.0	0	-16.32#
60		mp-xylene	-1.000	0.000	0.0	0	-16.41#
61		o-xylene	-1.000	0.000	0.0	0	-16.95#
62		styrene	-1.000	0.000	0.0	0	-16.99#
63	P	bromoform	-1.000	1.379	0.0	0	-17.41#
64		iso-propylbenzene	-1.000	0.000	0.0	0	-17.37#
65	S	SS 4-BFB_MS	10.000	9.785	2.1	119	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	131	0.00
67		bromobenzene	-1.000	0.000	0.0	0	-17.90#
68	P	1,1,2,2-tetrachloroethane	-1.000	0.000	0.0	0	-17.57#
69		1,2,3-trichloropropane	-1.000	0.000	0.0	0	-17.74#
70		t-1,4-dichloro-2-butene	-1.000	0.000	0.0	0	-17.81#
71		n-propylbenzene	-1.000	0.000	0.0	0	-17.84#
72		2-chlorotoluene	-1.000	0.000	0.0	0	-18.05#
73		4-chlorotoluene	-1.000	0.000	0.0	0	-18.10#
74		1,3,5-trimethylbenzene	-1.000	0.000	0.0	0	-18.01#
75		tert-butylbenzene	-1.000	0.000	0.0	0	-18.42#
76		1,2,4-trimethylbenzene	-1.000	0.000	0.0	0	-18.46#
77		sec-butylbenzene	-1.000	0.000	0.0	0	-18.65#
78		1,3-dichlorobenzeneV	-1.000	0.000	0.0	0	-18.91#
79		p-isopropyltoluene	-1.000	0.000	0.0	0	-18.78#
80		1,4-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.01#
81		1,2-dichlorobenzeneV	-1.000	0.000	0.0	0	-19.38#
82		n-butylbenzene	-1.000	0.000	0.0	0	-19.19#
83	S	SS 1,2-DCB-D4_MS	10.000	10.127	-1.3	133	0.00
84		1,2-dibromo-3-chloropropane	-1.000	0.000	0.0	0	-20.10#
85		1,3,5-trichlorobenzV	-1.000	0.000	0.0	0	-20.31#
86		1,2,4-trichlorobenzV	-1.000	0.000	0.0	0	-20.96#
87		hexachlorobutadieneV	-1.000	0.000	0.0	0	-21.09#
88		naphthaleneV	-1.000	0.000	0.0	0	-21.26#
89		1,2,3-trichlorobenzV	-1.000	0.000	0.0	0	-21.52#
90	S	SS 2,5-DBT_MS	-1.000	4.124	0.0	0	-22.73#

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

SA072312.D 4VID0723.M Fri Aug 27 13:10:03 2010

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082603.D Vial: 3
Acq On : 26 Aug 2010 12:51 pm Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 13:20:23 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	434538	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	318819	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	149298	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	111465	9.77	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.69%			
35) SS 1,2-DCA-d4_MS	10.55	65	125549	9.20	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 92.03%			
48) SS toluene-d8_MS	14.12	98	420101	10.08	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.82%			
65) SS 4-BFB_MS	17.68	95	158934	10.09	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.93%			
83) SS 1,2-DCB-D4_MS	19.35	152	138220	9.88	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.82%			
90) SS 2,5-DBT_MS	22.73	250	33475	15.89	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 39.72%#			
Target Compounds						Qvalue
8) diethyl ether	4.47	59	119141	18.759	ug/L	92
9) 1,1,2-Trichlorotrifluoroet	4.69	101	88599	18.372	ug/L	97
11) acetone	4.80	43	39050	14.133	ug/L	93
12) 1,1-dichloroethene	5.00	96	156501	20.366	ug/L	91
13) tert-Butyl Alcohol (TBA)	5.14	59	54961	83.919	ug/L	92
15) methylene chloride	5.89	84	184273	18.967	ug/L	89
16) carbon disulfide	5.90	76	454843	18.039	ug/L	100
17) acrylonitrile	6.14	53	63331	17.171	ug/L	100
18) Methyl-t-butyl ether (MTBE	6.18	73	825948	39.575	ug/L	96
19) trans-1,2-dichloroethene	6.45	96	232104	22.276	ug/L	93
20) hexane	6.58	57	45850	17.912	ug/L	90
21) Isopropyl ether (DIPE)	7.10	45	638459	18.672	ug/L	97
23) 1,1-dichloroethane	7.32	63	398225	19.178	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	548712	19.364	ug/L	96
25) 2,2-dichloropropane	8.50	77	246334	18.308	ug/L	100
26) cis-1,2-dichloroethene	8.60	96	249158	20.694	ug/L	96
27) 2-butanone (MEK)	8.22	43	71299	15.551	ug/L	95
28) bromochloromethane	9.31	128	119346	20.284	ug/L	87
29) Tetrahydrofuran (THF)	9.39	42	41582	15.919	ug/L	92
30) chloroform	8.94	83	398669	19.627	ug/L	98
32) 1,1,1-trichloroethane	9.81	97	302271	19.854	ug/L	98
33) carbon tetrachloride	10.38	117	239937	18.775	ug/L	99
34) 1,1-dichloropropene	10.17	75	278927	20.407	ug/L	98
36) tert-amyl methyl ether (TA	10.46	73	434394	19.979	ug/L	92
37) benzene	10.78	78	873321	20.981	ug/L	96
38) 1,2-dichloroethane	10.77	62	305509	18.646	ug/L	98
39) trichloroethene	12.09	95	227011	20.574	ug/L	97
40) 1,2-dichloropropane	12.44	63	235508	19.326	ug/L	96
42) dibromomethane	12.94	93	149603	20.000	ug/L	97
43) bromodichloromethane	12.85	83	270506	17.307	ug/L	98
45) 4-methyl-2-pentanone (MIBK	13.45	58	59570	16.269	ug/L #	98
46) cis-1,3-dichloropropene	13.76	75	315840	19.240	ug/L	99
49) toluene	14.24	91	894752	22.066	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082603.D Vial: 3
Acq On : 26 Aug 2010 12:51 pm Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 13:20:23 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

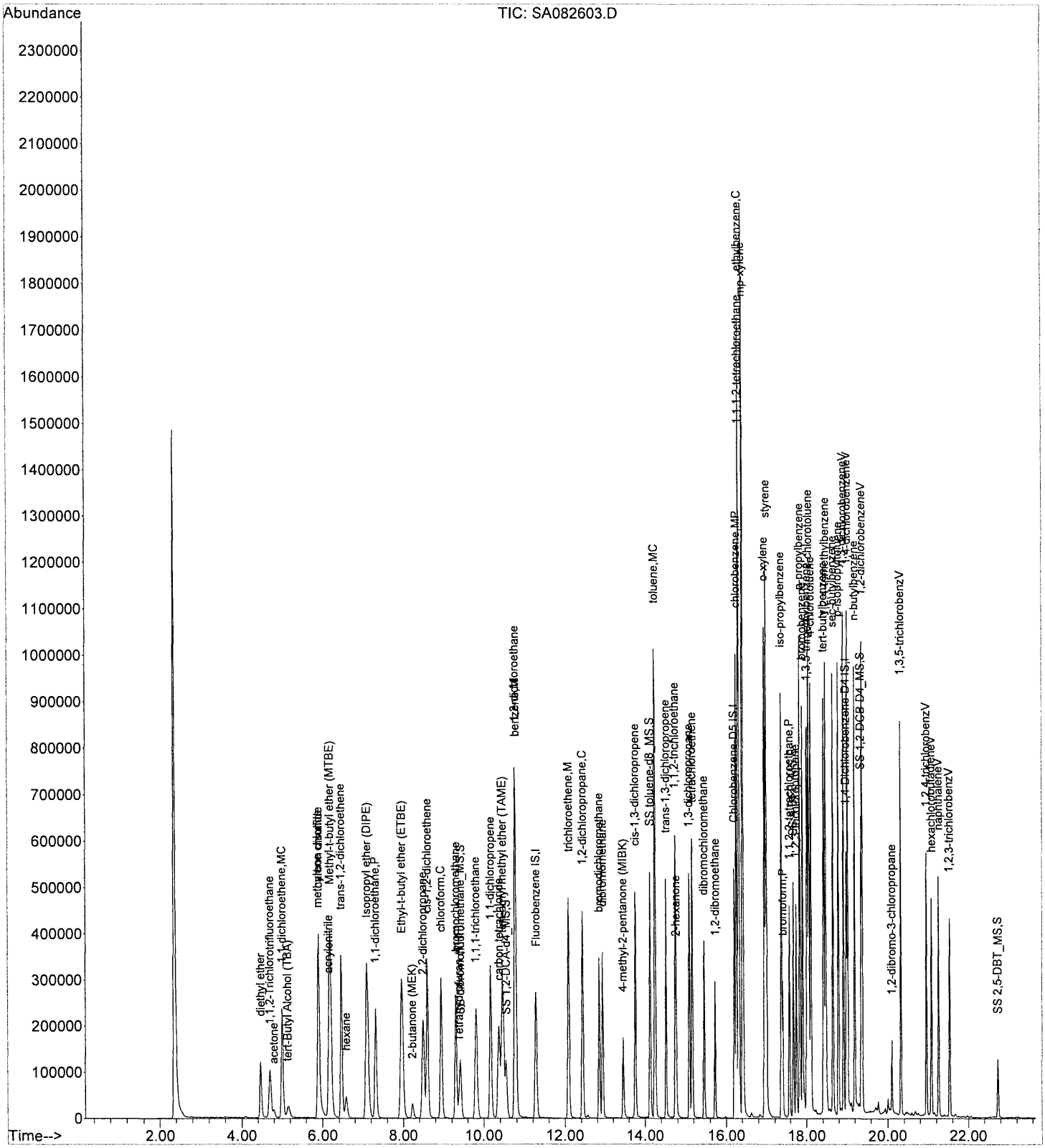
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
50)	trans-1,3-dichloropropene	14.52	75	271597	17.422 ug/L		98
51)	1,1,2-trichloroethane	14.74	83	173698	20.055 ug/L		99
52)	2-hexanone	14.76	43	101207	16.063 ug/L		93
53)	tetrachloroethene	15.18	166	210530	23.135 ug/L		97
54)	1,3-dichloropropane	15.10	76	326895	19.851 ug/L		98
55)	dibromochloromethane	15.45	129	198523	19.716 ug/L		99
56)	1,2-dibromoethane	15.72	107	202025	20.725 ug/L		99
57)	chlorobenzene	16.26	112	603384	21.596 ug/L		95
58)	1,1,1,2-tetrachloroethane	16.31	131	199608	22.241 ug/L		98
59)	ethylbenzene	16.32	91	915153	23.274 ug/L		99
60)	mp-xylene	16.41	106	681280	47.356 ug/L		97
61)	o-xylene	16.94	106	342218	23.054 ug/L		98
62)	styrene	16.99	104	615185	22.575 ug/L		97
63)	bromoform	17.41	173	115488	16.910 ug/L	#	100
64)	iso-propylbenzene	17.37	105	657929	23.625 ug/L		99
67)	bromobenzene	17.90	156	252188	20.769 ug/L		94
68)	1,1,2,2-tetrachloroethane	17.58	83	241632	18.071 ug/L		99
69)	1,2,3-trichloropropane	17.74	110	67211	18.265 ug/L		97
71)	n-propylbenzene	17.84	91	836973	21.601 ug/L		98
72)	2-chlorotoluene	18.05	91	632901	20.070 ug/L		98
73)	4-chlorotoluene	18.11	91	623293	20.950 ug/L		98
74)	1,3,5-trimethylbenzene	18.02	105	567523	21.995 ug/L		98
75)	tert-butylbenzene	18.42	119	469903m	22.023 ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	599691	21.525 ug/L		98
77)	sec-butylbenzene	18.65	105	622036	21.963 ug/L		98
78)	1,3-dichlorobenzeneV	18.91	146	381684	21.066 ug/L		97
79)	p-isopropyltoluene	18.78	119	533655	22.386 ug/L		100
80)	1,4-dichlorobenzeneV	19.01	146	392103	20.664 ug/L		97
81)	1,2-dichlorobenzeneV	19.38	146	376049	20.230 ug/L		97
82)	n-butylbenzene	19.19	91	478029	21.409 ug/L		97
84)	1,2-dibromo-3-chloropropan	20.10	75	28511	16.061 ug/L		92
85)	1,3,5-trichlorobenzV	20.31	180	235056	21.932 ug/L		96
86)	1,2,4-trichlorobenzV	20.96	180	189870	20.809 ug/L		98
87)	hexachlorobutadieneV	21.09	225	104469	20.181 ug/L		99
88)	naphthaleneV	21.26	128	373457	18.277 ug/L		99
89)	1,2,3-trichlorobenzV	21.52	180	147404	18.661 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082603.D Vial: 3
Acq On : 26 Aug 2010 12:51 pm Operator: KJP
Sample : STD 20 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 13:22 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082604.D Vial: 4
Acq On : 26 Aug 2010 1:27 pm Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 13:55:42 2010 Quant Results File: 4VID0723.RES

Quant Method : C:\MSDCHEM\1...\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

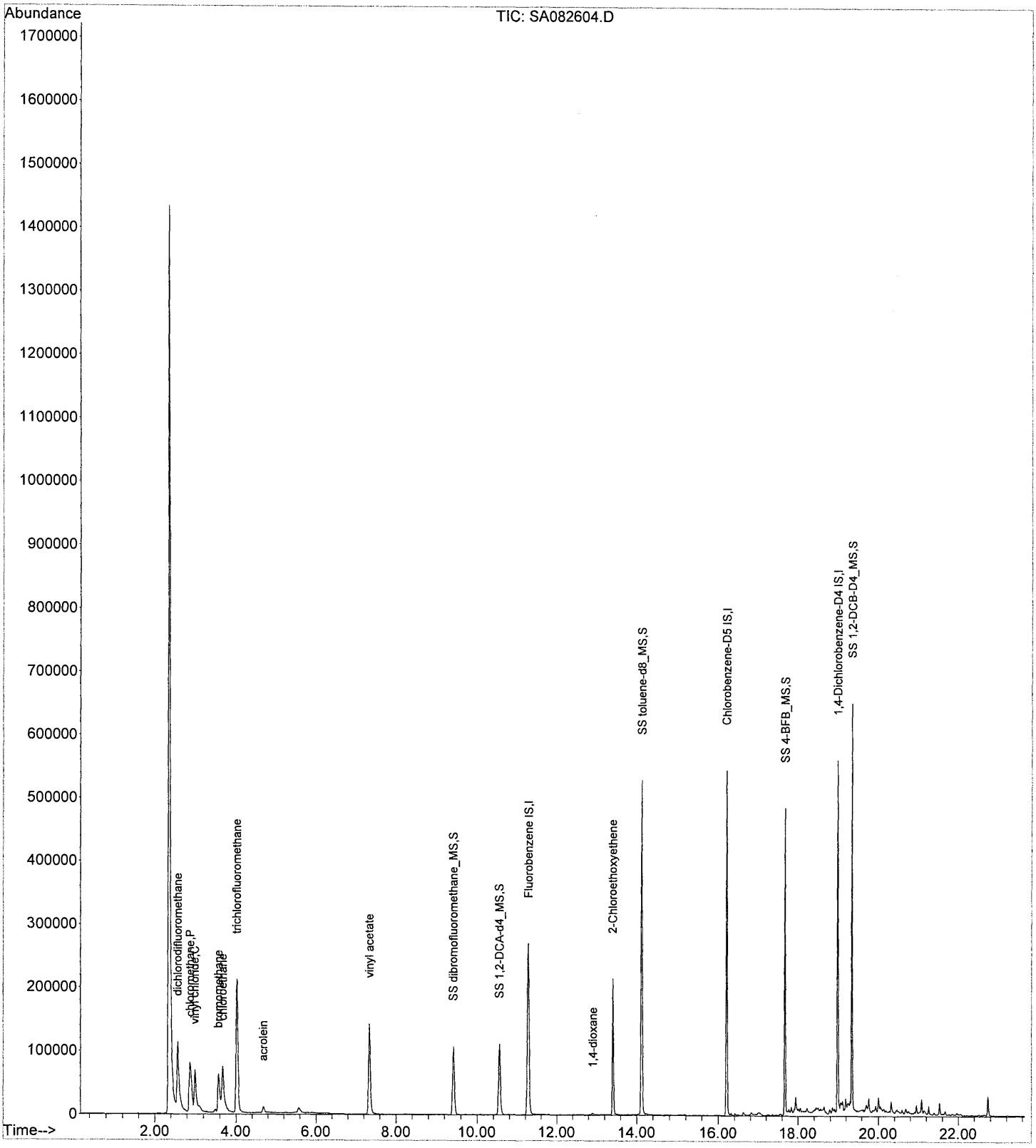
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.28	96	419539	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.20	117	308516	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	145629	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	104759	9.51	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.09%			
35) SS 1,2-DCA-d4_MS	10.55	65	123340	9.36	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.65%			
48) SS toluene-d8_MS	14.12	98	415156	10.30	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.96%			
65) SS 4-BFB_MS	17.68	95	149105	9.79	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.85%			
83) SS 1,2-DCB-D4_MS	19.35	152	138172	10.13	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.27%			
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	2.57	85	235027	19.136	ug/L	99
3) chloromethane	2.88	50	216674	19.364	ug/L	100
4) vinyl chloride	2.99	62	138213	18.513	ug/L	99
5) bromomethane	3.58	94	88612	14.332	ug/L	98
6) chloroethane	3.68	64	125980	19.897	ug/L	98
7) trichlorofluoromethane	4.02	101	295313	20.454	ug/L	100
10) acrolein	4.68	56	14764	11.064	ug/L	95
22) vinyl acetate	7.34	43	349876	18.150	ug/L	97
41) 1,4-dioxane	12.91	88	3189	36.732	ug/L #	89
44) 2-Chloroethoxyethene	13.41	63	102276	16.296	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082604.D Vial: 4
Acq On : 26 Aug 2010 1:27 pm Operator: KJP
Sample : STD 20 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 13:09 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082606.D Vial: 6
Acq On : 26 Aug 2010 2:39 pm Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 15:40:41 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

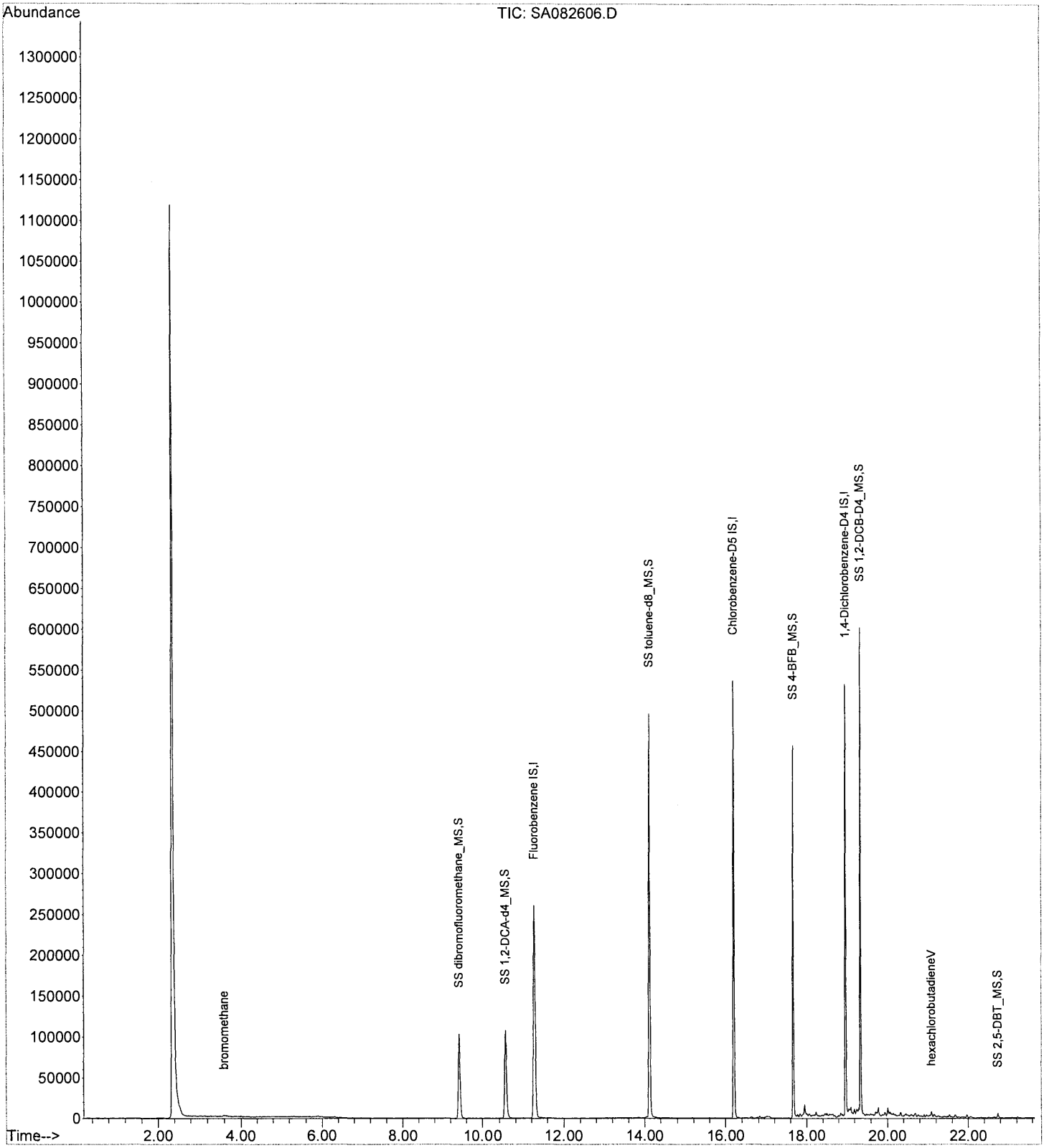
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	406956	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	301892	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	137182	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	103440	9.68	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.80%			
35) SS 1,2-DCA-d4_MS	10.55	65	121329	9.50	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.97%			
48) SS toluene-d8_MS	14.13	98	381193	9.66	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.61%			
65) SS 4-BFB_MS	17.68	95	142525	9.56	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.59%			
83) SS 1,2-DCB-D4_MS	19.35	152	127264	9.90	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.02%			
90) SS 2,5-DBT_MS	22.73	250	1201	4.58	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 11.46%#			
Target Compounds						Qvalue
5) bromomethane	3.60	94	1849m	0.308	ug/L	
87) hexachlorobutadieneV	21.09	225	1521	0.320	ug/L #	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082606.D Vial: 6
Acq On : 26 Aug 2010 2:39 pm Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 9:03 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082607.D Vial: 7
Acq On : 26 Aug 2010 3:14 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 15:40:51 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	418164	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	313133	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	148274	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	111008	10.11	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.10%			
35) SS 1,2-DCA-d4_MS	10.55	65	123377	9.40	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.98%			
48) SS toluene-d8_MS	14.12	98	415424	10.15	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.51%			
65) SS 4-BFB_MS	17.68	95	157008	10.15	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.52%			
83) SS 1,2-DCB-D4_MS	19.35	152	135435	9.75	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.50%			
90) SS 2,5-DBT_MS	22.74	250	321	4.24	ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 10.59%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.57	85	300844	24.576	ug/L	99
3) chloromethane	2.87	50	224455	20.125	ug/L	100
4) vinyl chloride	2.99	62	127030	17.071	ug/L	99
5) bromomethane	3.56	94	132458	21.495	ug/L	99
6) chloroethane	3.68	64	125690	19.916	ug/L	97
7) trichlorofluoromethane	4.02	101	312146	21.691	ug/L	99
8) diethyl ether	4.47	59	128487	21.023	ug/L	92
9) 1,1,2-Trichlorotrifluoroet	4.69	101	146595	31.589	ug/L	98
11) acetone	4.80	43	38779	14.584	ug/L	93
12) 1,1-dichloroethene	5.00	96	157249	21.265	ug/L	91
13) tert-Butyl Alcohol (TBA)	5.15	59	56995	90.432	ug/L #	85
15) methylene chloride	5.89	84	186592	19.957	ug/L	86
16) carbon disulfide	5.90	76	443870	18.293	ug/L	100
17) acrylonitrile	6.14	53	57949	16.327	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	411327	20.480	ug/L	97
19) trans-1,2-dichloroethene	6.45	96	227136	22.652	ug/L	92
20) hexane	6.58	57	1011	0.410	ug/L #	39
21) Isopropyl ether (DIPE)	7.10	45	615612	18.709	ug/L	97
22) vinyl acetate	7.34	43	346826	18.051	ug/L #	95
23) 1,1-dichloroethane	7.32	63	404019	20.219	ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.96	59	543983	19.949	ug/L	96
25) 2,2-dichloropropane	8.50	77	254533	19.545	ug/L	98
26) cis-1,2-dichloroethene	8.60	96	252415	21.785	ug/L	99
27) 2-butanone (MEK)	8.23	43	72509	16.435	ug/L #	92
28) bromochloromethane	9.30	128	116571	20.588	ug/L	89
29) Tetrahydrofuran (THF)	9.38	42	43786	17.419	ug/L	91
30) chloroform	8.94	83	414918	21.227	ug/L	99
32) 1,1,1-trichloroethane	9.81	97	308996	21.090	ug/L	97
33) carbon tetrachloride	10.37	117	249241	20.074	ug/L	98
34) 1,1-dichloropropene	10.17	75	270540	20.569	ug/L	98
36) tert-amyl methyl ether (TA	10.46	73	463155	22.136	ug/L #	82
37) benzene	10.78	78	881230	22.000	ug/L	96
38) 1,2-dichloroethane	10.77	62	303497	19.249	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082607.D Vial: 7
Acq On : 26 Aug 2010 3:14 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 15:40:51 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

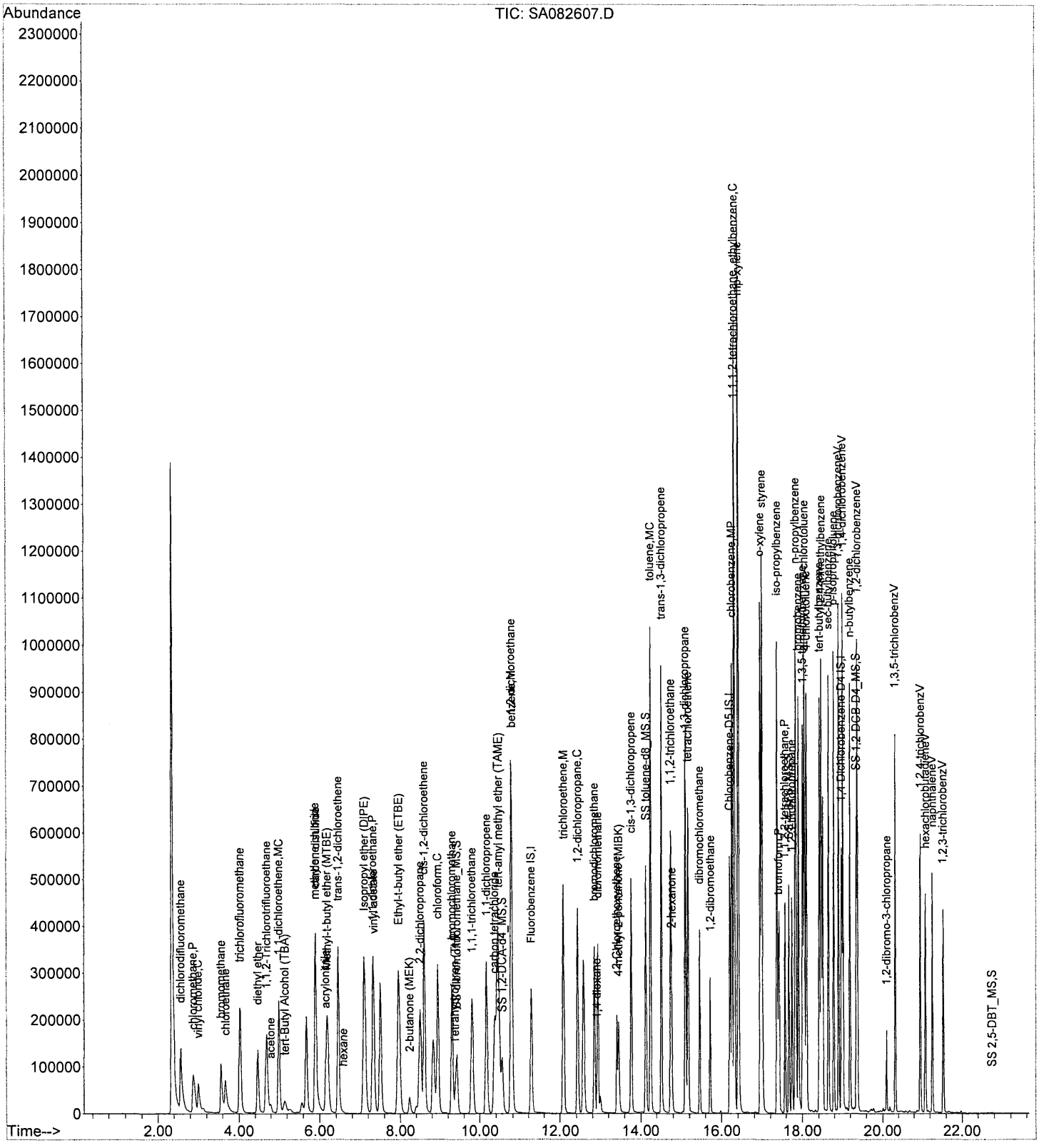
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.09	95	228860	21.554	ug/L		98
40)	1,2-dichloropropane	12.44	63	229956	19.609	ug/L		95
41)	1,4-dioxane	12.91	88	2786	32.196	ug/L	#	84
42)	dibromomethane	12.94	93	152830	21.232	ug/L		97
43)	bromodichloromethane	12.85	83	274907	18.285	ug/L		99
44)	2-Chloroethoxyethene	13.41	63	98826	15.889	ug/L		96
45)	4-methyl-2-pentanone (MIBK	13.45	58	69101	19.610	ug/L	#	64
46)	cis-1,3-dichloropropene	13.76	75	320926	20.315	ug/L		99
49)	toluene	14.24	91	908725	22.817	ug/L		99
50)	trans-1,3-dichloropropene	14.52	75	280113	18.219	ug/L		97
51)	1,1,2-trichloroethane	14.74	83	168013	19.751	ug/L		97
52)	2-hexanone	14.76	43	106038	17.135	ug/L	#	93
53)	tetrachloroethene	15.16	166	220682	24.691	ug/L		96
54)	1,3-dichloropropane	15.10	76	333141	20.598	ug/L		98
55)	dibromochloromethane	15.45	129	204287	20.657	ug/L		100
56)	1,2-dibromoethane	15.72	107	200217	20.913	ug/L		99
57)	chlorobenzene	16.26	112	586894	21.387	ug/L		96
58)	1,1,1,2-tetrachloroethane	16.31	131	199348	22.616	ug/L		99
59)	ethylbenzene	16.32	91	892695	23.115	ug/L		98
60)	mp-xylene	16.41	106	667826	47.264	ug/L		96
61)	o-xylene	16.94	106	341032	23.392	ug/L		97
62)	styrene	16.99	104	614467	22.958	ug/L		96
63)	bromoform	17.41	173	122236	18.116	ug/L	#	99
64)	iso-propylbenzene	17.37	105	688532	25.173	ug/L		99
67)	bromobenzene	17.90	156	253968	21.060	ug/L		93
68)	1,1,2,2-tetrachloroethane	17.57	83	238172	17.935	ug/L		100
69)	1,2,3-trichloropropane	17.74	110	67494	18.468	ug/L		97
71)	n-propylbenzene	17.84	91	840172	21.833	ug/L		99
72)	2-chlorotoluene	18.05	91	627521	20.037	ug/L		100
73)	4-chlorotoluene	18.10	91	597599	20.225	ug/L		97
74)	1,3,5-trimethylbenzene	18.02	105	559184	21.821	ug/L		100
75)	tert-butylbenzene	18.42	119	456913m	21.562	ug/L		
76)	1,2,4-trimethylbenzene	18.46	105	596450	21.556	ug/L		99
77)	sec-butylbenzene	18.65	105	612935	21.791	ug/L		98
78)	1,3-dichlorobenzeneV	18.91	146	381653	21.210	ug/L		98
79)	p-isopropyltoluene	18.78	119	530657	22.414	ug/L		100
80)	1,4-dichlorobenzeneV	19.01	146	398713	21.158	ug/L		96
81)	1,2-dichlorobenzeneV	19.38	146	371992	20.150	ug/L		97
82)	n-butylbenzene	19.19	91	461786	20.825	ug/L		97
84)	1,2-dibromo-3-chloropropan	20.10	75	31270	17.325	ug/L		93
85)	1,3,5-trichlorobenzV	20.31	180	223835	21.029	ug/L		99
86)	1,2,4-trichlorobenzV	20.96	180	197057	21.746	ug/L		97
87)	hexachlorobutadieneV	21.09	225	102357	19.910	ug/L		99
88)	naphthaleneV	21.26	128	375988	18.528	ug/L		99
89)	1,2,3-trichlorobenzV	21.52	180	150471	19.181	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082607.D Vial: 7
Acq On : 26 Aug 2010 3:14 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 9:03 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082608.D Vial: 8
Acq On : 26 Aug 2010 3:50 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 16:15:09 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.27	96	419008	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.20	117	314179	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.98	152	146262	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.42	111	107597	9.78	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.79%			
35) SS 1,2-DCA-d4_MS	10.55	65	123218	9.37	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.67%			
48) SS toluene-d8_MS	14.12	98	410593	10.00	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.99%			
65) SS 4-BFB_MS	17.68	95	154837	9.98	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 99.78%			
83) SS 1,2-DCB-D4_MS	19.35	152	133823	9.77	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.66%			
90) SS 2,5-DBT_MS	22.73	250	182	4.19	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 10.47%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.57	85	285222	23.253	ug/L	99
3) chloromethane	2.87	50	220878	19.765	ug/L	99
4) vinyl chloride	2.99	62	123660	16.585	ug/L	99
5) bromomethane	3.56	94	124493	20.161	ug/L	99
6) chloroethane	3.68	64	117516	18.584	ug/L	99
7) trichlorofluoromethane	4.02	101	304330	21.105	ug/L	100
8) diethyl ether	4.47	59	125493	20.492	ug/L	93
9) 1,1,2-Trichlorotrifluoroet	4.69	101	142450	30.634	ug/L	99
11) acetone	4.80	43	36230	13.598	ug/L	95
12) 1,1-dichloroethene	5.00	96	150198	20.270	ug/L	93
13) tert-Butyl Alcohol (TBA)	5.15	59	54872	86.888	ug/L	89
15) methylene chloride	5.89	84	180232	19.238	ug/L	87
16) carbon disulfide	5.90	76	436981	17.973	ug/L	100
17) acrylonitrile	6.14	53	56647	15.928	ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	404740	20.112	ug/L	98
19) trans-1,2-dichloroethene	6.45	96	219135	21.810	ug/L	94
20) hexane	6.59	57	1123	0.455	ug/L	95
21) Isopropyl ether (DIPE)	7.10	45	609850	18.497	ug/L	97
22) vinyl acetate	7.34	43	345102	17.925	ug/L #	94
23) 1,1-dichloroethane	7.32	63	396123	19.784	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.96	59	532193	19.477	ug/L	96
25) 2,2-dichloropropane	8.50	77	251491	19.294	ug/L	99
26) cis-1,2-dichloroethene	8.60	96	239674	20.644	ug/L	97
27) 2-butanone (MEK)	8.22	43	70970	16.053	ug/L	95
28) bromochloromethane	9.30	128	116476	20.529	ug/L	87
29) Tetrahydrofuran (THF)	9.39	42	42199	16.754	ug/L	91
30) chloroform	8.94	83	411247	20.997	ug/L	98
32) 1,1,1-trichloroethane	9.81	97	306035	20.846	ug/L	98
33) carbon tetrachloride	10.38	117	246802	19.866	ug/L	99
34) 1,1-dichloropropene	10.17	75	267377	20.287	ug/L	99
36) tert-amyl methyl ether (TA	10.46	73	450396	21.483	ug/L #	82
37) benzene	10.78	78	855860	21.324	ug/L	96
38) 1,2-dichloroethane	10.77	62	299580	18.962	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082608.D Vial: 8
Acq On : 26 Aug 2010 3:50 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 16:15:09 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

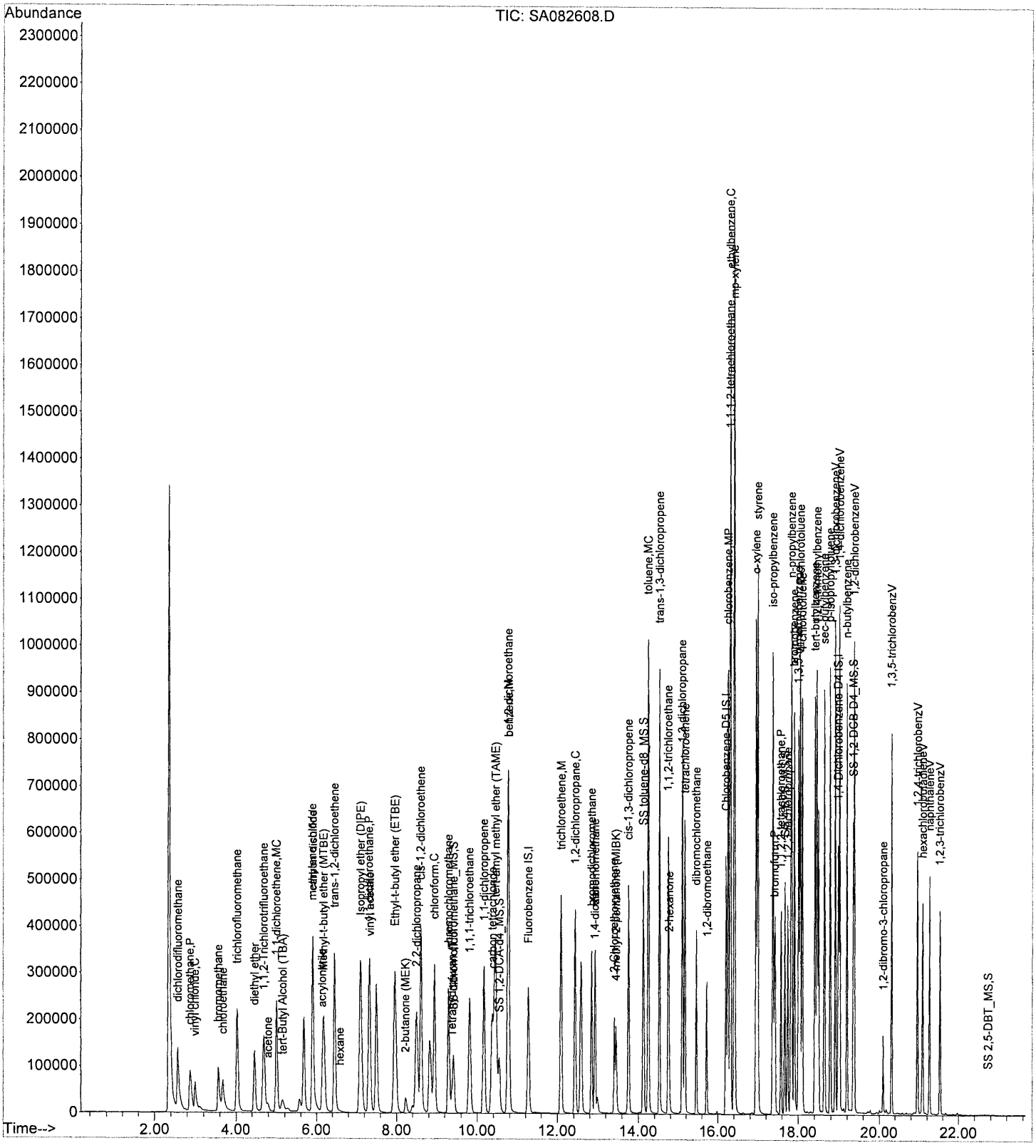
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	trichloroethene	12.09	95	221718	20.839 ug/L	97
40)	1,2-dichloropropane	12.44	63	225621	19.200 ug/L	95
41)	1,4-dioxane	12.93	88	2619	30.205 ug/L #	75
42)	dibromomethane	12.94	93	148673	20.613 ug/L	99
43)	bromodichloromethane	12.85	83	271007	17.987 ug/L	98
44)	2-Chloroethoxyethene	13.41	63	98945	15.879 ug/L	98
45)	4-methyl-2-pentanone (MIBK	13.45	58	66896	18.946 ug/L #	63
46)	cis-1,3-dichloropropene	13.76	75	313741	19.821 ug/L	99
49)	toluene	14.24	91	881748	22.066 ug/L	100
50)	trans-1,3-dichloropropene	14.52	75	279942	18.154 ug/L	96
51)	1,1,2-trichloroethane	14.74	83	169016	19.803 ug/L	99
52)	2-hexanone	14.76	43	100999	16.267 ug/L	91
53)	tetrachloroethene	15.18	166	213458	23.804 ug/L	98
54)	1,3-dichloropropane	15.10	76	319417	19.683 ug/L	99
55)	dibromochloromethane	15.45	129	203681	20.527 ug/L	99
56)	1,2-dibromoethane	15.72	107	196037	20.408 ug/L	98
57)	chlorobenzene	16.26	112	584220	21.219 ug/L	96
58)	1,1,1,2-tetrachloroethane	16.31	131	195205	22.072 ug/L	99
59)	ethylbenzene	16.32	91	877694	22.651 ug/L	98
60)	mp-xylene	16.41	106	657511	46.379 ug/L	96
61)	o-xylene	16.94	106	325215	22.232 ug/L	100
62)	styrene	16.99	104	590967	22.007 ug/L	97
63)	bromoform	17.41	173	123010	18.166 ug/L #	99
64)	iso-propylbenzene	17.37	105	681115	24.819 ug/L	98
67)	bromobenzene	17.90	156	238660	20.063 ug/L	95
68)	1,1,2,2-tetrachloroethane	17.57	83	232170	17.724 ug/L	99
69)	1,2,3-trichloropropane	17.74	110	65528	18.177 ug/L	97
71)	n-propylbenzene	17.84	91	830730	21.885 ug/L	99
72)	2-chlorotoluene	18.05	91	609217	19.720 ug/L	99
73)	4-chlorotoluene	18.10	91	590749	20.269 ug/L	96
74)	1,3,5-trimethylbenzene	18.01	105	546939	21.637 ug/L	98
75)	tert-butylbenzene	18.42	119	457836m	21.903 ug/L	
76)	1,2,4-trimethylbenzene	18.46	105	587825	21.537 ug/L	99
77)	sec-butylbenzene	18.65	105	601335	21.673 ug/L	98
78)	1,3-dichlorobenzeneV	18.91	146	377451	21.265 ug/L	97
79)	p-isopropyltoluene	18.78	119	526388	22.539 ug/L	99
80)	1,4-dichlorobenzeneV	19.01	146	381608	20.528 ug/L	96
81)	1,2-dichlorobenzeneV	19.38	146	356957	19.601 ug/L	98
82)	n-butylbenzene	19.19	91	459358	21.000 ug/L	96
84)	1,2-dibromo-3-chloropropan	20.10	75	29317	16.662 ug/L	91
85)	1,3,5-trichlorobenzV	20.31	180	229882	21.894 ug/L	97
86)	1,2,4-trichlorobenzV	20.96	180	190712	21.336 ug/L	100
87)	hexachlorobutadieneV	21.09	225	102277	20.168 ug/L	99
88)	naphthaleneV	21.26	128	370313	18.500 ug/L	98
89)	1,2,3-trichlorobenzV	21.52	180	148720	19.219 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\AUG10\AUG2610\SA082608.D Vial: 8
Acq On : 26 Aug 2010 3:50 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 9:04 2010 Quant Results File: 4VID0723.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Aug 31 16:03:17 2010
Response via : Initial Calibration



8260B
Volatile Organic Analysis

Sample Data

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

nQCBatch 73401145302

aQCPointers
MSpkA082610VNH821
MSDuA082610VNH821
BlnkA082610VNH822
LCSaA082610VNH822
LCSDA082610VNH822

aQCBatchMembers

92079.01
92079.02
92079.03P
92079.04
92079.07
92079.08
73401145286.02
73401145286.03
73401145290.08P
73401145294.05
73401145294.06

4VID0723
All linear to 300ug/L (including VA, acrolein and 2CEVE) except: 1500ug/L for TBA; 600ug/L for MTBE and 1,4-dioxane; 400ug/L for mp-x; 200ug/L for gases, t13DCPE and iso-pb; 50ug/L for VC
Low point for VC is 0.2, Low point for 11DCE, 11DCA, PCE, HCBD, BDCM is 0.5.
Low point for cis- and trans-13DCPE 2ppb. Low level analysis for these analytes will need to be run under a different curve.

All avg RF except for:
22DCPA, CCl4, BDCM, 2CEVE, t-13DCPE, bromoform, 12DB3CPA, and 25DBT (linear regression)
Second source met 20% Dev. for all compounds except: Freon-113 and 1,4-dioxane (OOC high) which will need to be rerun under a curve in control for these compounds. 14-dioxane did not meet 8260 criteria for average RF or linear regression and is for qualitative purposes only. IM and CT compound not included in this calibration.

CV DEV -
bromomethane 20.000 14.332 28.3
acrolein 20.000 11.064 44.7
acetone 20.000 14.133 29.3
2-butanone (MEK) 20.000 15.551 22.2
Compounds listed not in samples above detection limit. Low point analyzed to support RLs for analytes with low recoveries.

IS areas ok
12h tune ok
pH<2 for all samples
MB in control

MS/MSD in control with the following exceptions:
MSpk Dichlorodifluoromethane OOC Actual = 29 (143 %R) Target = 70-130
MSD Dichlorodifluoromethane OOC Actual = 27 (136 %R) Target = 70-130
DCDFM not present in samples reported as part of this batch.

LCS/LCSD in control with the following exception:
LCSD Acetone OOC Actual = 10 (68 %R) (7 RPD) Target = 70-130
Acetone not present in samples reported as part of this batch.

GC/MS QA-QC Check Report

Tune File : Y:\1\DATA\AUG2610\SA082602.D
Tune Time : 26 Aug 2010 12:15 pm

Daily Calibration File : Y:\1\DATA\AUG2610\SA082603.D

						434538	318819	149298

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA082603.D	STD 20 M	98	92	101	101	434538	318819	149298
		99	40*					
SA082604.D	STD 20 G	95	94	103	98	419539	308516	145629
		101	10*					
SA082605.D	STD 2	95	94	99	99	419618	309575	144910
		98	15*					
SA082606.D	MB	97	95	97	96	406956	301892	137182
		99	11*					
SA082607.D	LCS	101	94	102	102	418164	313133	148274
		97	11*					
SA082608.D	LCSD	98	94	100	100	419008	314179	146262
		98	10*					
SA082610.D	91943.07	98	95	98	96	398443	298013	134972
		99	0*					
SA082611.D	91943.08	101	97	97	92	385281	292287	127314
		105	10*					
SA082612.D	92079.01	102	97	98	97	382945	287020	121978
		107	0*					
SA082613.D	92079.02	102	101	98	97	377568	282626	126572
		104	0*					
SA082614.D	92079.03	104	102	94	93	369622	283476	123855
		103	0*					
SA082615.D	92079.04	105	104	97	95	362857	276556	120455
		108	0*					
SA082616.D	92079.07	108	106	97	89	351569	272812	114695
		111	0*					
SA082617.D	92079.08	107	105	99	93	346557	259892	115970
		104	0*					
SA082618.D	92079.03 (MS)	108	103	99	102	370487	284506	136047
		94	0*					
SA082619.D	92079.03 (MSD)	104	98	98	101	385071	295489	134963
		100	0*					
SA082621.D	92093.01	103	102	97	101	369286	316002	133725
		102	13*					

t - fails 12hr time check * - fails criteria

Created: Fri Aug 27 08:38:45 2010 VOAMS4

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082612.D Vial: 12
Acq On : 26 Aug 2010 6:13 pm Operator: KJP
Sample : 92079.01 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 08:35:49 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	382945	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	287020	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	121978	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	102177	10.161 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.610%		
35) SS 1,2-DCA-d4_MS	10.551	65	116030	9.652 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.520%		
48) SS toluene-d8_MS	14.125	98	365821	9.752 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.520%		
65) SS 4-BFB_MS	17.676	95	137390	9.692 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.920%		
83) SS 1,2-DCB-D4_MS	19.354	152	122312	10.703 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.030%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
3) chloromethane	2.936	50	7362	0.721 ug/L #	53
6) chloroethane	3.678	64	176775	30.587 ug/L	99
8) diethyl ether	4.466	59	551479	98.530 ug/L	91
11) acetone	4.797	43	3257	1.338 ug/L	99
13) tert-Butyl Alcohol (TBA)	5.151	59	24220	41.963 ug/L #	87
15) methylene chloride	5.893	84	3584	0.419 ug/L	80
18) Methyl-t-butyl ether (MTBE	6.190	73	11439	0.622 ug/L #	79
21) Isopropyl ether (DIPE)	7.115	45	16258	0.540 ug/L	94
23) 1,1-dichloroethane	7.320	63	16830	0.920 ug/L	100
29) Tetrahydrofuran (THF)	9.376	42	202186	87.832 ug/L	92
37) benzene	10.780	78	82232	2.242 ug/L	92
38) 1,2-dichloroethane	10.768	62	10005	0.693 ug/L	92
41) 1,4-dioxane	12.915	88	7630	96.283 ug/L #	59
44) 2-Chloroethoxyethene	13.486	63	84	3.001 ug/L #	46
50) trans-1,3-dichloropropene	14.308	75	184	1.521 ug/L #	53
57) chlorobenzene	16.260	112	94857	3.771 ug/L	99
64) iso-propylbenzene	17.367	105	17558	0.700 ug/L	97
80) 1,4-dichlorobenzeneV	19.011	146	36711	2.368 ug/L #	71
81) 1,2-dichlorobenzeneV	19.377	146	5722	0.377 ug/L #	1

ooc in ICAL

8/27/10
VGP

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082612.D 4VID0723.M Fri Aug 27 08:35:50 2010 Page 1

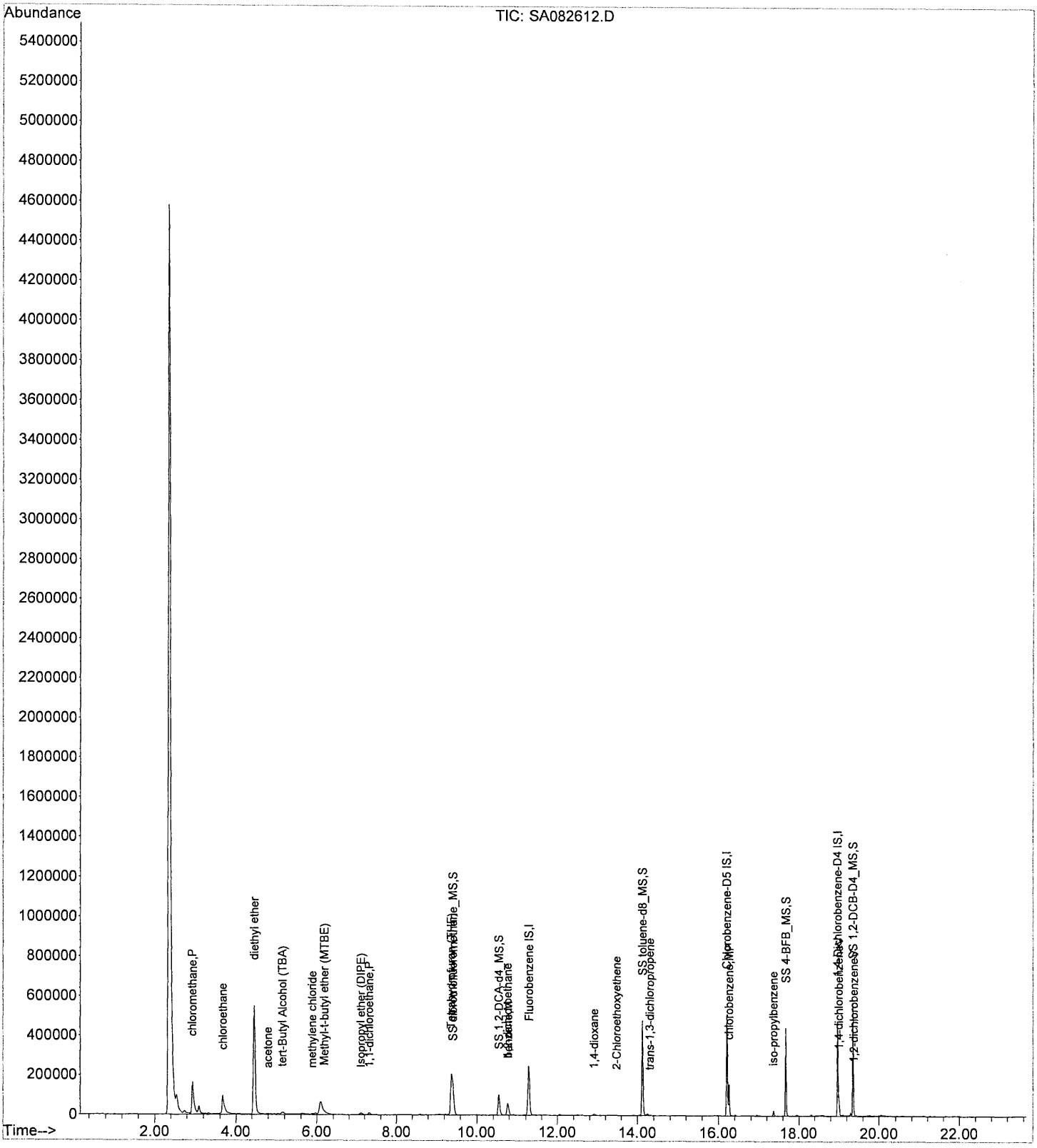
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082612.D
Acq On : 26 Aug 2010 6:13 pm
Sample : 92079.01
Misc : X1;5mL;RR
MS Integration Params: RTEINT.P
Quant Time: Aug 27 8:35 2010

Vial: 12
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082526.D Vial: 26
Acq On : 26 Aug 2010 1:58 am Operator: KJP
Sample : 92079.01 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:18 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	333021	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	260992	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	109458	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	100930	11.542 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 115.420%		
35) SS 1,2-DCA-d4_MS	10.551	65	110234	10.544 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.440%		
48) SS toluene-d8_MS	14.125	98	329650	9.664 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.640%		
65) SS 4-BFB_MS	17.676	95	122738	9.522 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.220%		
83) SS 1,2-DCB-D4_MS	19.354	152	113315	11.050 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.500%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
3) chloromethane	2.936	50	6431	0.724 ug/L #	52
6) chloroethane	3.678	64	169764	33.778 ug/L	100
8) diethyl ether	4.466	59	537546	110.439 ug/L	92
11) acetone	4.797	43	5896	2.784 ug/L	96
13) tert-Butyl Alcohol (TBA)	5.163	59	23012	45.847 ug/L	95
15) methylene chloride	5.893	84	3718	0.499 ug/L	89
18) Methyl-t-butyl ether (MTBE	6.190	73	11655	0.729 ug/L #	76
21) Isopropyl ether (DIPE)	7.115	45	13565	0.518 ug/L #	88
23) 1,1-dichloroethane	7.332	63	16450	1.034 ug/L	99
29) Tetrahydrofuran (THF)	9.375	42	204998	102.403 ug/L	95
37) benzene	10.780	78	74649	2.340 ug/L	92
38) 1,2-dichloroethane	10.768	62	9246	0.736 ug/L #	87
41) 1,4-dioxane	12.915	88	7596	110.224 ug/L #	79
44) 2-Chloroethoxyethene	13.486	63	127	3.010 ug/L #	46
50) trans-1,3-dichloropropene	14.308	75	205	1.524 ug/L #	53
57) chlorobenzene	16.260	112	88759	3.881 ug/L	99
64) iso-propylbenzene	17.367	105	13899	0.610 ug/L	97
80) 1,4-dichlorobenzeneV	19.011	146	32735	2.353 ug/L #	70
81) 1,2-dichlorobenzeneV	19.377	146	4837	0.355 ug/L #	1

ethylb. ↑ CV RRX1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

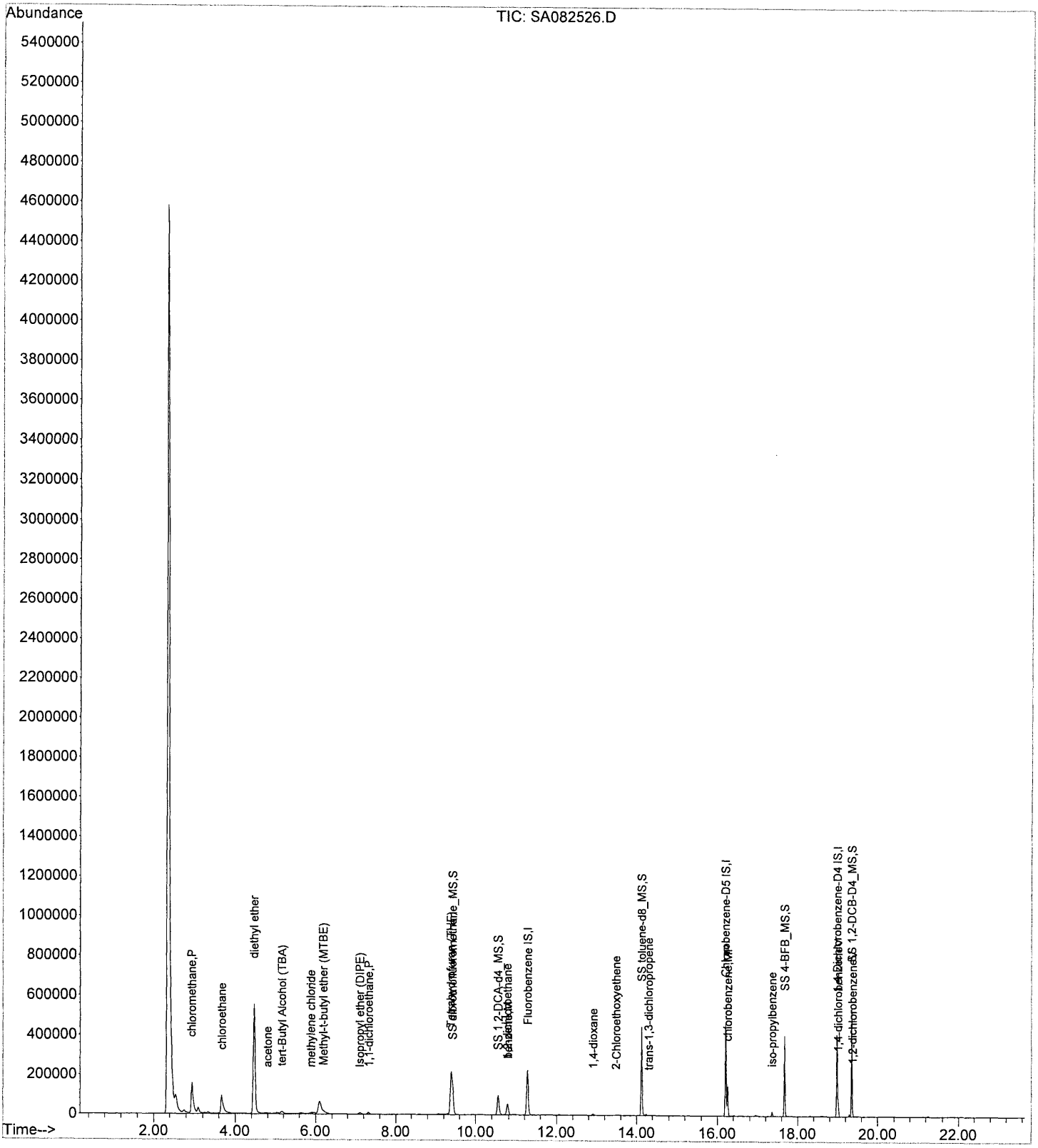
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082526.D
Acq On : 26 Aug 2010 1:58 am
Sample : 92079.01
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:27 2010

Vial: 26
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082613.D Vial: 13
Acq On : 26 Aug 2010 6:50 pm Operator: KJP
Sample : 92079.02 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 08:35:53 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	377568	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	282626	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	126572	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	101237	10.211 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.110%		
35) SS 1,2-DCA-d4_MS	10.552	65	119576	10.088 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.880%		
48) SS toluene-d8_MS	14.125	98	360678	9.764 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.640%		
65) SS 4-BFB_MS	17.676	95	135557	9.711 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 97.110%		
83) SS 1,2-DCB-D4_MS	19.354	152	123769	10.437 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.370%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
5) bromomethane	3.622	94	2828	0.508 ug/L #	24
6) chloroethane	3.667	64	49156	8.627 ug/L	98
8) diethyl ether	4.466	59	77282	14.004 ug/L	90
11) acetone	4.797	43	3489	1.453 ug/L	96
13) tert-Butyl Alcohol (TBA)	5.151	59	7060	12.406 ug/L	88
18) Methyl-t-butyl ether (MTBE	6.190	73	8080	0.446 ug/L #	94
29) Tetrahydrofuran (THF)	9.387	42	9756	4.298 ug/L	98
37) benzene	10.780	78	59272	1.639 ug/L	92
41) 1,4-dioxane	12.915	88	1397	17.880 ug/L #	72
57) chlorobenzene	16.260	112	160877	6.495 ug/L	98
64) iso-propylbenzene	17.368	105	12417	0.503 ug/L	99
80) 1,4-dichlorobenzeneV	19.012	146	18871	1.173 ug/L #	63
81) 1,2-dichlorobenzeneV	19.377	146	7706	0.489 ug/L #	1

8/27/10
VKP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

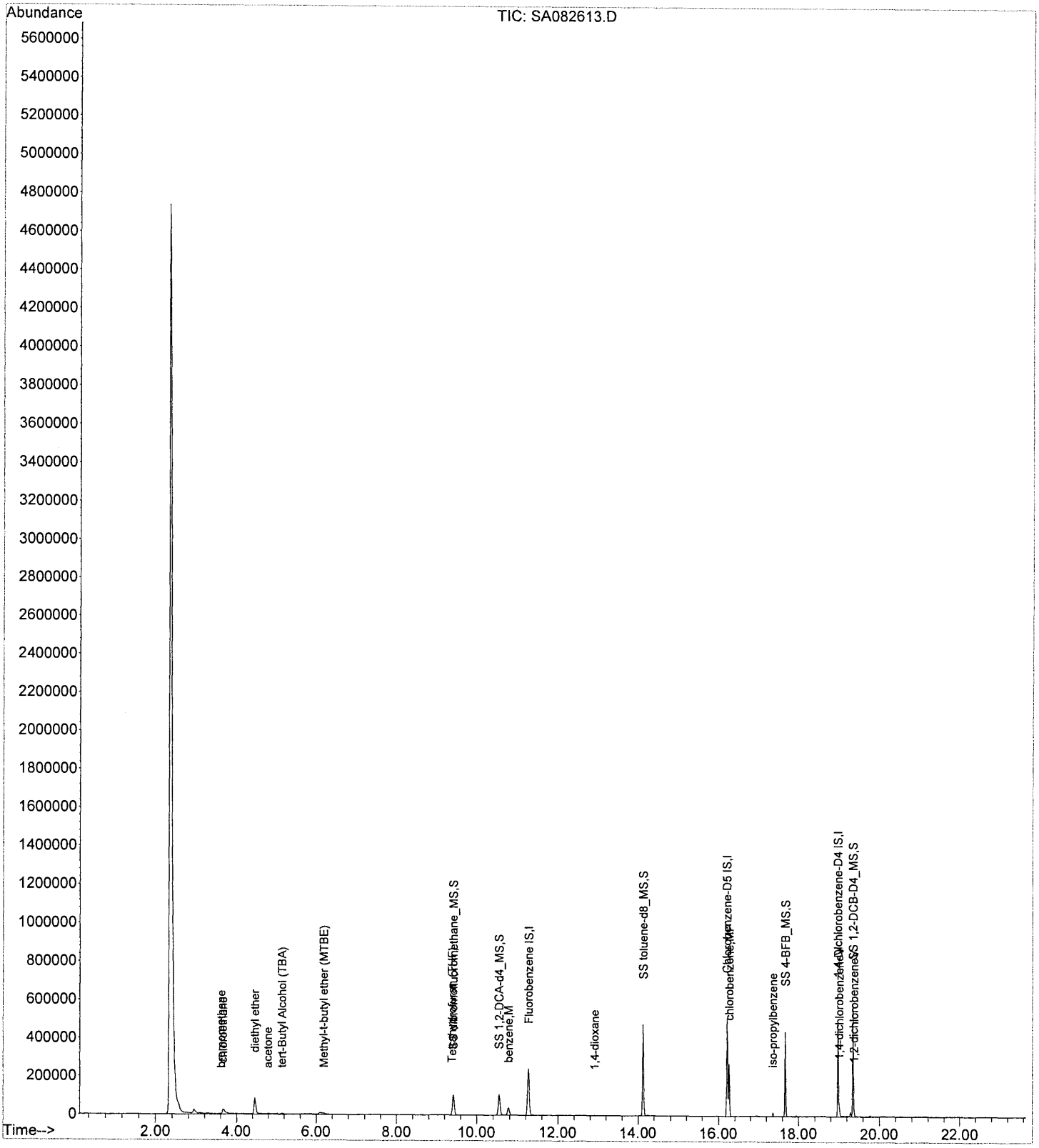
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082613.D
Acq On : 26 Aug 2010 6:50 pm
Sample : 92079.02
Misc : X1;5mL;RR
MS Integration Params: RTEINT.P
Quant Time: Aug 27 8:35 2010

Vial: 13
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082527.D Vial: 27
Acq On : 26 Aug 2010 2:34 am Operator: KJP
Sample : 92079.02 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:22 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	322192	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	259227	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	109514	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	96145	11.364 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 113.640%		
35) SS 1,2-DCA-d4_MS	10.551	65	113028	11.175 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.750%		
48) SS toluene-d8_MS	14.125	98	321967	9.503 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.030%		
65) SS 4-BFB_MS	17.675	95	120639	9.422 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 94.220%		
83) SS 1,2-DCB-D4_MS	19.354	152	112308	10.946 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.460%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
6) chloroethane	3.678	64	49847	10.251 ug/L	100
8) diethyl ether	4.466	59	73948	15.703 ug/L	94
11) acetone	4.797	43	2074	1.012 ug/L #	76
13) tert-Butyl Alcohol (TBA)	5.163	59	5882	12.113 ug/L	90
18) Methyl-t-butyl ether (MTBE	6.190	73	6694	0.433 ug/L #	91
29) Tetrahydrofuran (THF)	9.398	42	7449	3.846 ug/L	97
37) benzene	10.780	78	50367	1.632 ug/L #	90
41) 1,4-dioxane	12.915	88	901	13.514 ug/L #	55
57) chlorobenzene	16.260	112	154276	6.791 ug/L	97
64) iso-propylbenzene	17.367	105	10398	0.459 ug/L	96
80) 1,4-dichlorobenzeneV	19.011	146	16571	1.191 ug/L #	66
81) 1,2-dichlorobenzeneV	19.377	146	7305	0.536 ug/L #	1

ethylb ↑CV RRX1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

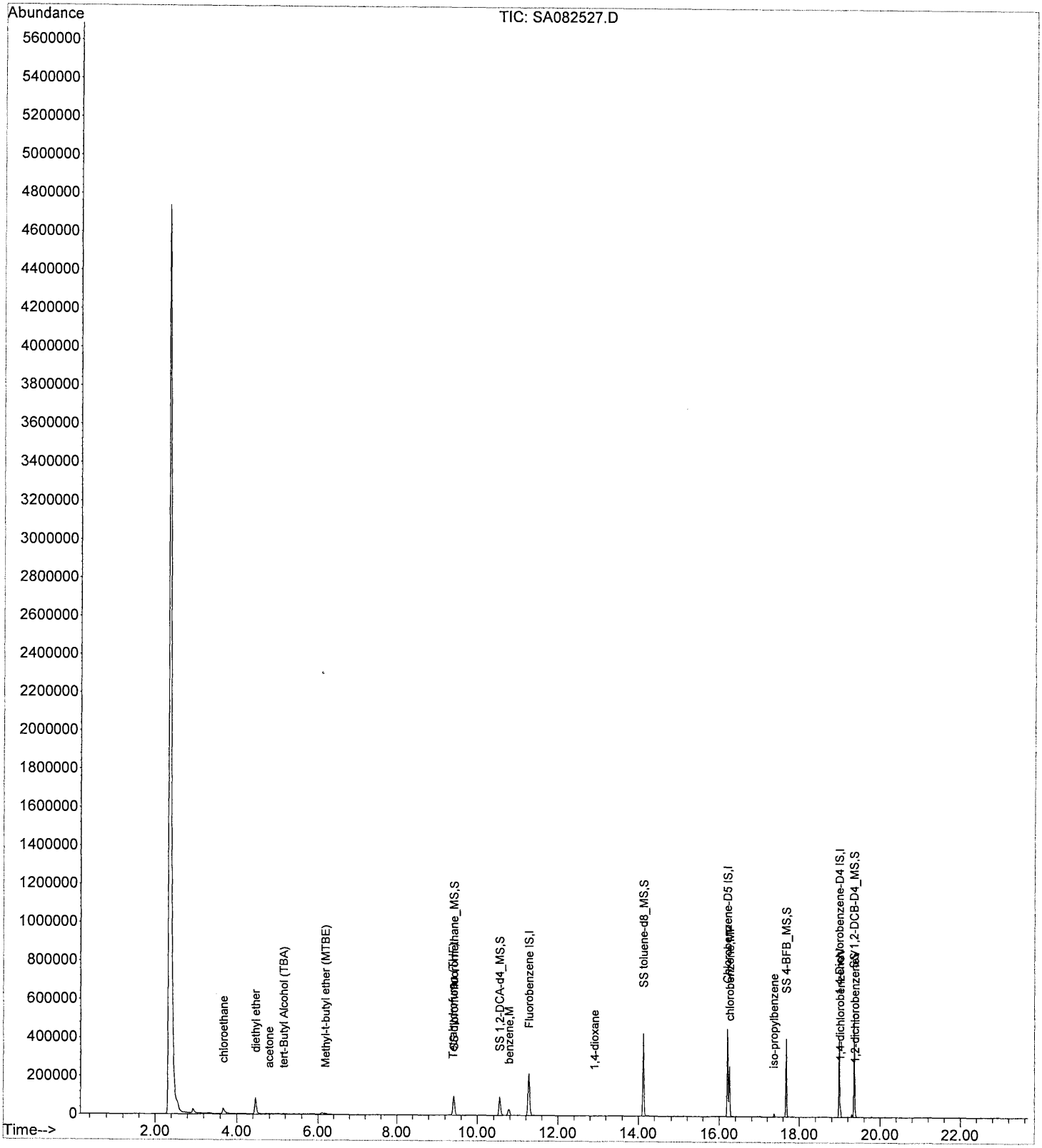
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082527.D
Acq On : 26 Aug 2010 2:34 am
Sample : 92079.02
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:27 2010

Vial: 27
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082614.D Vial: 14
Acq On : 26 Aug 2010 7:26 pm Operator: KJP
Sample : 92079.03 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 08:35:57 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.270	96	369622	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	283476	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	123855	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	101012	10.408 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.080%		
35) SS 1,2-DCA-d4_MS	10.551	65	118392	10.203 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.030%		
48) SS toluene-d8_MS	14.125	98	349234	9.426 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.260%		
65) SS 4-BFB_MS	17.675	95	130415	9.315 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 93.150%		
83) SS 1,2-DCB-D4_MS	19.354	152	119723	10.318 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.180%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
6) chloroethane	3.678	64	46288	8.298 ug/L	98
8) diethyl ether	4.466	59	76003	14.069 ug/L	92
11) acetone	4.809	43	2354	1.002 ug/L	92
13) tert-Butyl Alcohol (TBA)	5.162	59	6597	11.842 ug/L	89
18) Methyl-t-butyl ether (MTBE	6.190	73	7799	0.439 ug/L #	94
29) Tetrahydrofuran (THF)	9.398	42	8750	3.938 ug/L	97
37) benzene	10.780	78	46096	1.302 ug/L	93
41) 1,4-dioxane	12.903	88	1526	19.951 ug/L #	72
57) chlorobenzene	16.260	112	121957	4.909 ug/L	99
64) iso-propylbenzene	17.367	105	9067	0.366 ug/L	97
80) 1,4-dichlorobenzeneV	19.011	146	16326	1.037 ug/L #	67
81) 1,2-dichlorobenzeneV	19.377	146	6319	0.410 ug/L #	1

8/27/10
VSP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

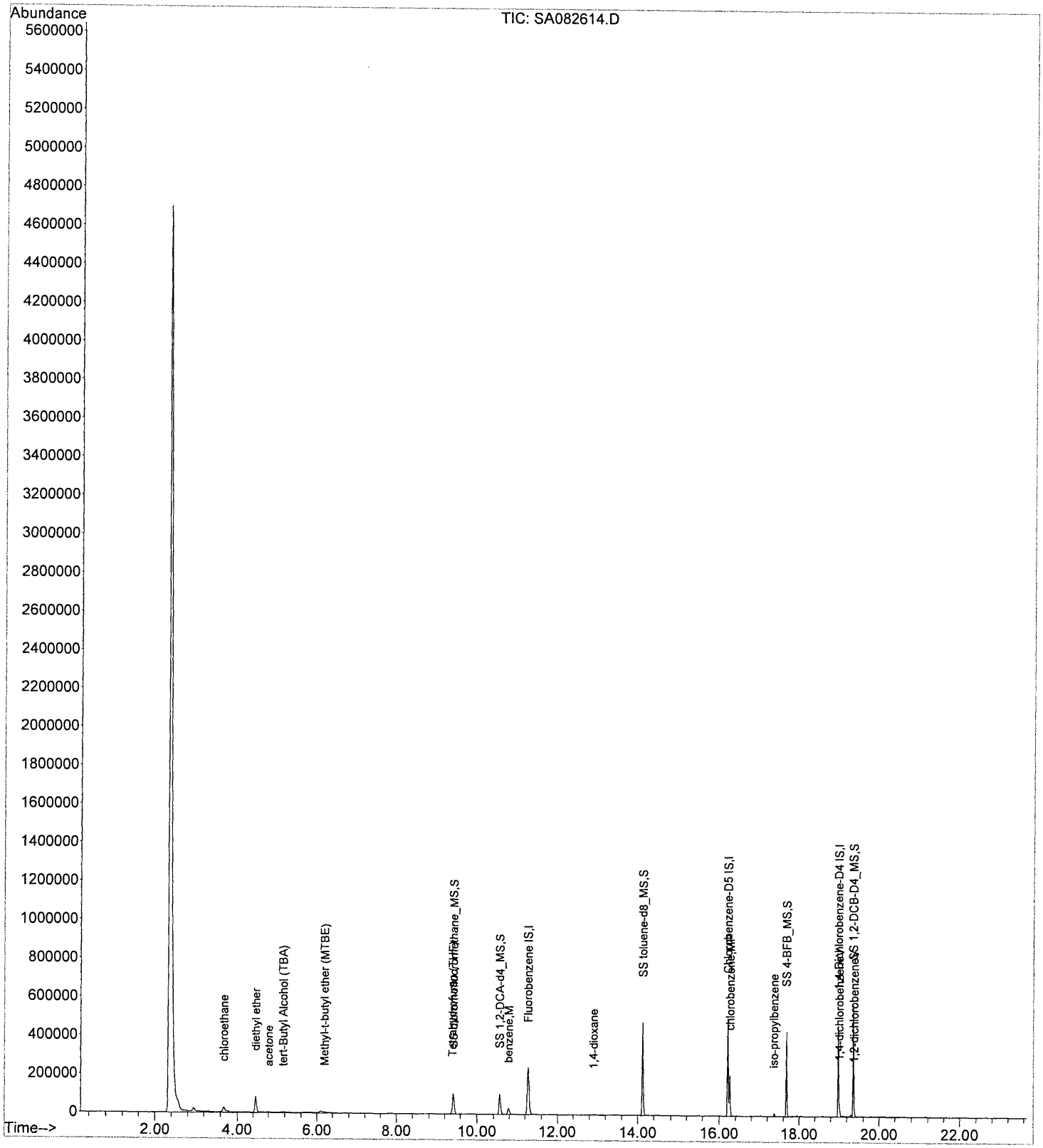
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082614.D
Acq On : 26 Aug 2010 7:26 pm
Sample : 92079.03
Misc : X1;5mL;RR
MS Integration Params: RTEINT.P
Quant Time: Aug 27 8:35 2010

Vial: 14
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082528.D
Acq On : 26 Aug 2010 3:10 am
Sample : 92079.03
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:27 2010

Vial: 28
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	323067	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	262026	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	109849	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	96524	11.378 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 113.780%		
35) SS 1,2-DCA-d4_MS	10.551	65	112727	11.115 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.150%		
48) SS toluene-d8_MS	14.125	98	321482	9.387 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.870%		
65) SS 4-BFB_MS	17.676	95	119685	9.248 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 92.480%		
83) SS 1,2-DCB-D4_MS	19.354	152	111700	10.854 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.540%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
6) chloroethane	3.678	64	44303	9.087 ug/L	100
8) diethyl ether	4.466	59	68763	14.563 ug/L	93
11) acetone	4.809	43	2269	1.105 ug/L	98
13) tert-Butyl Alcohol (TBA)	5.174	59	5110	10.494 ug/L	98
18) Methyl-t-butyl ether (MTBE	6.202	73	6962	0.449 ug/L #	78
29) Tetrahydrofuran (THF)	9.398	42	6360	3.275 ug/L	99
37) benzene	10.780	78	42782	1.382 ug/L	91
41) 1,4-dioxane	12.915	88	1131	16.917 ug/L #	53
57) chlorobenzene	16.260	112	116554	5.076 ug/L	99
80) 1,4-dichlorobenzeneV	19.011	146	14709	1.054 ug/L #	67
81) 1,2-dichlorobenzeneV	19.377	146	6048	0.442 ug/L #	53

ethyl b ↑CV RRX1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

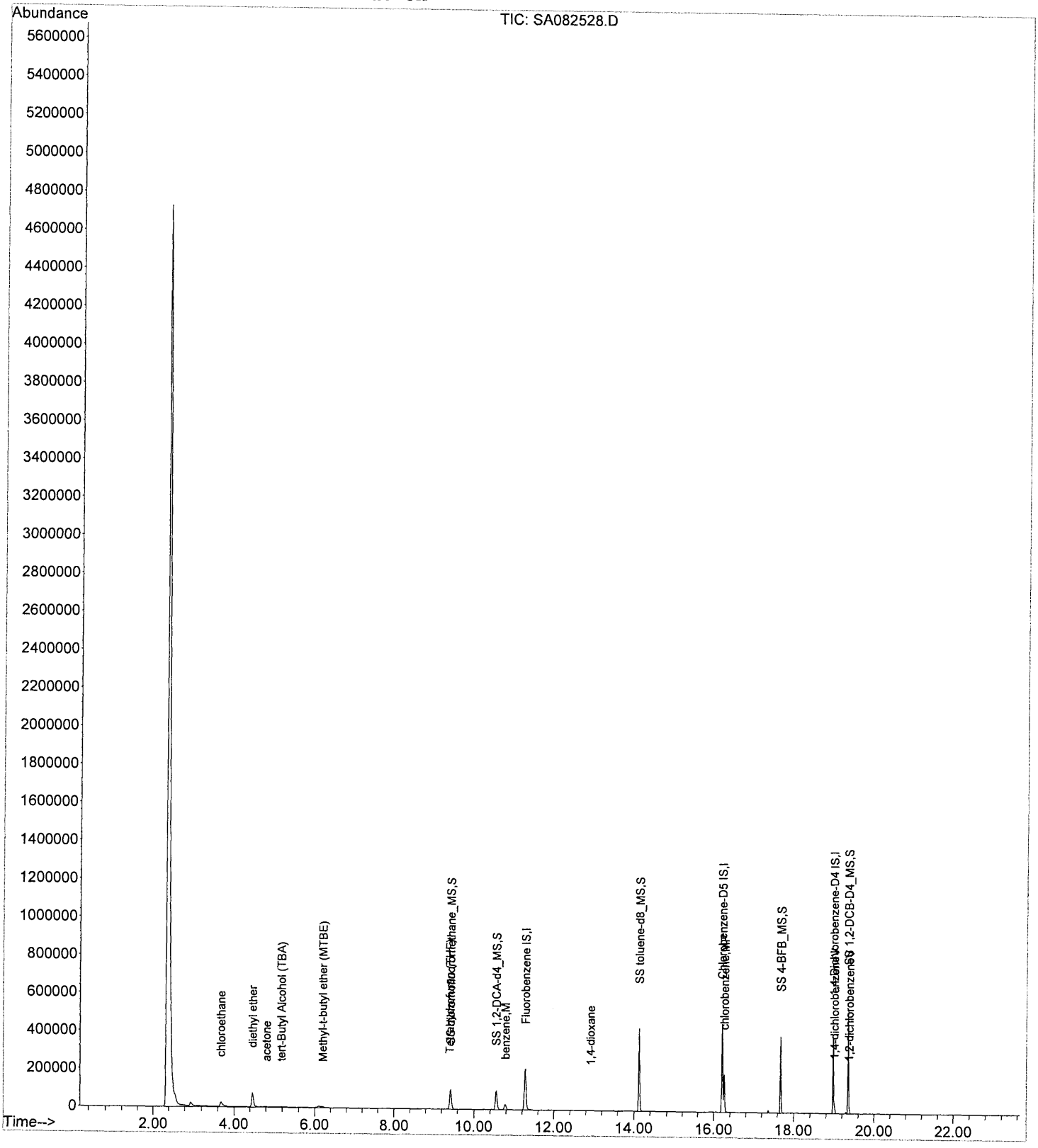
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082528.D
Acq On : 26 Aug 2010 3:10 am
Sample : 92079.03
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:27 2010

Vial: 28
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082615.D Vial: 15
Acq On : 26 Aug 2010 8:02 pm Operator: KJP
Sample : 92079.04 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 08:36:01 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	362857	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	276556	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	120455	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	100247	10.521 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.210%		
35) SS 1,2-DCA-d4_MS	10.551	65	118210	10.377 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.770%		
48) SS toluene-d8_MS	14.125	98	351291	9.719 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.190%		
65) SS 4-BFB_MS	17.675	95	129106	9.452 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 94.520%		
83) SS 1,2-DCB-D4_MS	19.354	152	122262	10.834 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.340%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
6) chloroethane	3.678	64	44431	8.114 ug/L	98
8) diethyl ether	4.466	59	74840	14.112 ug/L	93
11) acetone	4.786	43	2221	0.963 ug/L #	71
13) tert-Butyl Alcohol (TBA)	5.163	59	6003	10.977 ug/L	92
18) Methyl-t-butyl ether (MTBE	6.190	73	7549	0.433 ug/L #	77
29) Tetrahydrofuran (THF)	9.387	42	7851	3.599 ug/L	96
37) benzene	10.780	78	48014	1.381 ug/L	95
41) 1,4-dioxane	12.903	88	1363	18.152 ug/L #	73
57) chlorobenzene	16.260	112	124585	5.140 ug/L	98
64) iso-propylbenzene	17.367	105	9960	0.412 ug/L	97
80) 1,4-dichlorobenzeneV	19.011	146	17189	1.123 ug/L #	68
81) 1,2-dichlorobenzeneV	19.377	146	6949	0.463 ug/L #	1

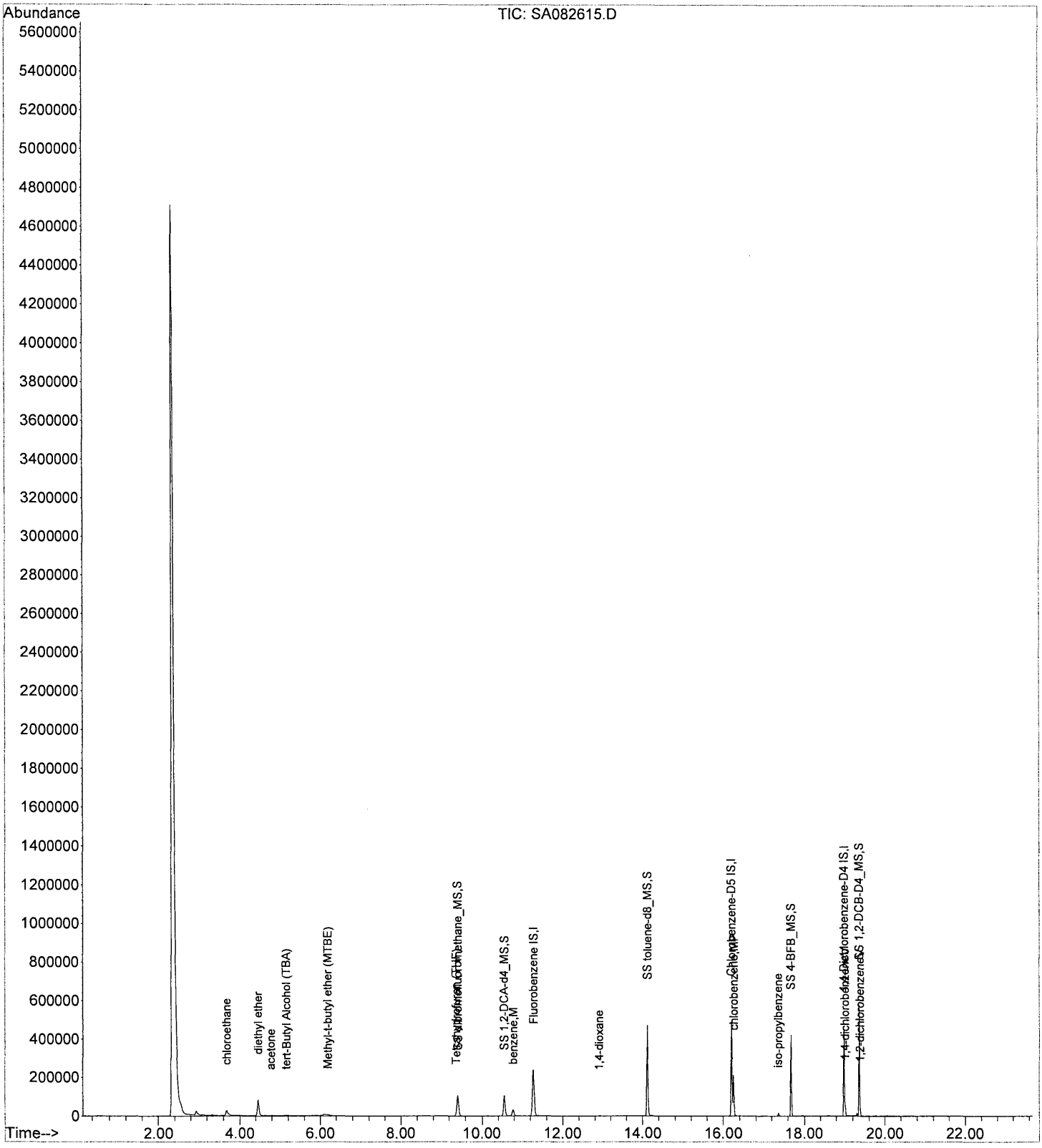
8/27/10
VSO

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082615.D Vial: 15
Acq On : 26 Aug 2010 8:02 pm Operator: KJP
Sample : 92079.04 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 8:36 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082529.D Vial: 29
Acq On : 26 Aug 2010 3:46 am Operator: KJP
Sample : 92079.04 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:32 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	318844	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	259694	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.988	152	110613	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	93472	11.164 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.640%		
35) SS 1,2-DCA-d4_MS	10.551	65	108905	10.880 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.800%		
48) SS toluene-d8_MS	14.125	98	322158	9.491 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.910%		
65) SS 4-BFB_MS	17.676	95	117917	9.193 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 91.930%		
83) SS 1,2-DCB-D4_MS	19.354	152	112799	10.885 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.850%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
5) bromomethane	3.598	94	1839	0.391 ug/L #	30
6) chloroethane	3.667	64	42982	8.932 ug/L	97
8) diethyl ether	4.466	59	69984	15.018 ug/L	97
11) acetone	4.797	43	2112	1.042 ug/L #	87
13) tert-Butyl Alcohol (TBA)	5.151	59	4523	9.412 ug/L	98
18) Methyl-t-butyl ether (MTBE	6.202	73	7058	0.461 ug/L #	67
29) Tetrahydrofuran (THF)	9.398	42	6914	3.607 ug/L	98
37) benzene	10.780	78	42436	1.389 ug/L	95
41) 1,4-dioxane	12.926	88	851	12.898 ug/L #	70
57) chlorobenzene	16.260	112	113319	4.979 ug/L	99
64) iso-propylbenzene	17.379	105	8573	0.378 ug/L	96
80) 1,4-dichlorobenzeneV	19.011	146	14598	1.038 ug/L #	66
81) 1,2-dichlorobenzeneV	19.377	146	5725	0.416 ug/L #	1

ethyl b 1ICV RRx1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

TPO

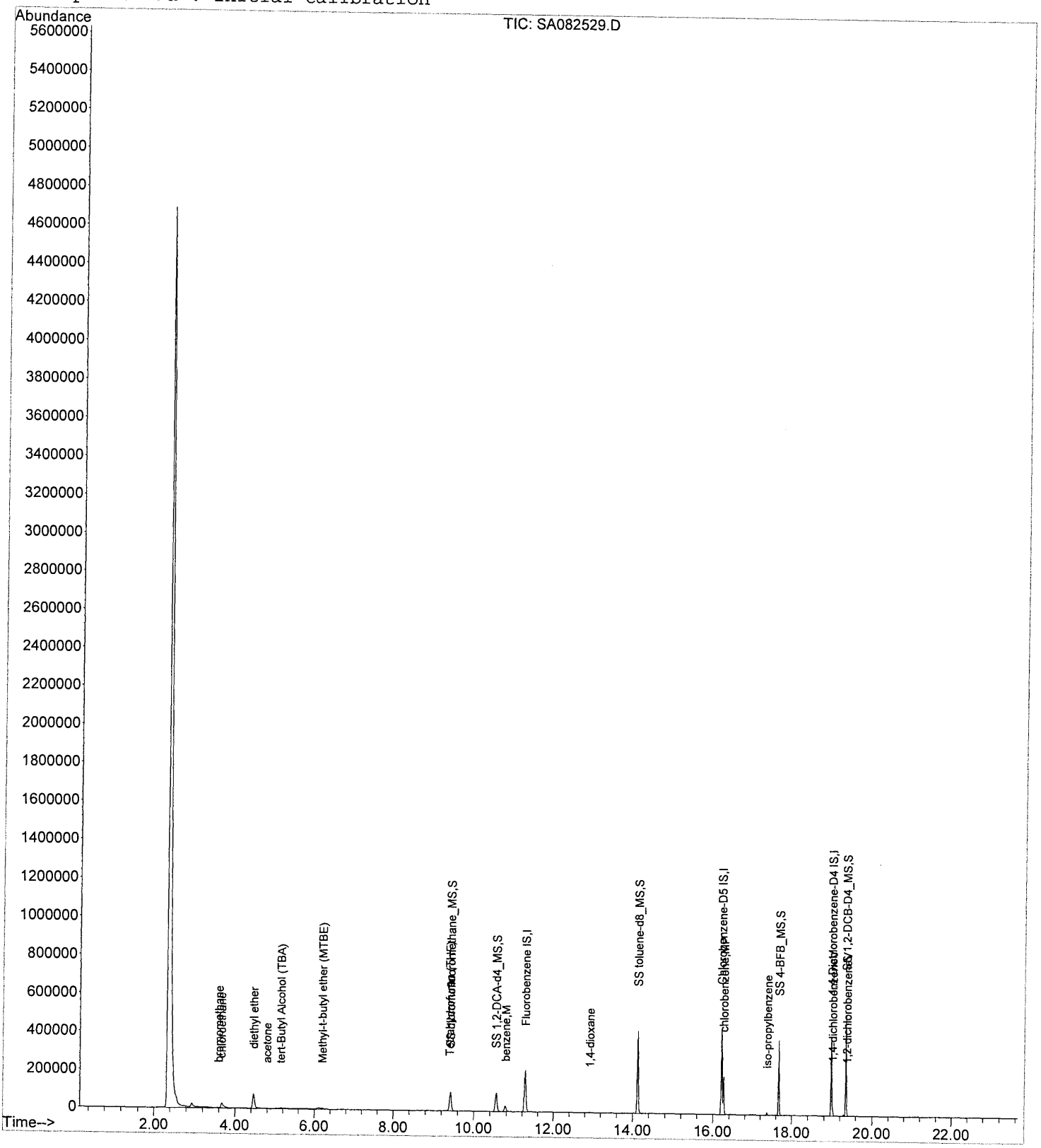
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082529.D
Acq On : 26 Aug 2010 3:46 am
Sample : 92079.04
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:27 2010

Vial: 29
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082616.D Vial: 16
Acq On : 26 Aug 2010 8:38 pm Operator: KJP
Sample : 92079.07 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 08:36:05 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	351569	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	272812	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	114695	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	99385	10.766 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.660%		
35) SS 1,2-DCA-d4_MS	10.551	65	116640	10.568 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.680%		
48) SS toluene-d8_MS	14.125	98	344531	9.663 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.630%		
65) SS 4-BFB_MS	17.675	95	120397	8.935 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 89.350%		
83) SS 1,2-DCB-D4_MS	19.354	152	118943	11.069 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.690%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.797	43	5428	2.428 ug/L	90
15) methylene chloride	5.893	84	67881	8.636 ug/L	90

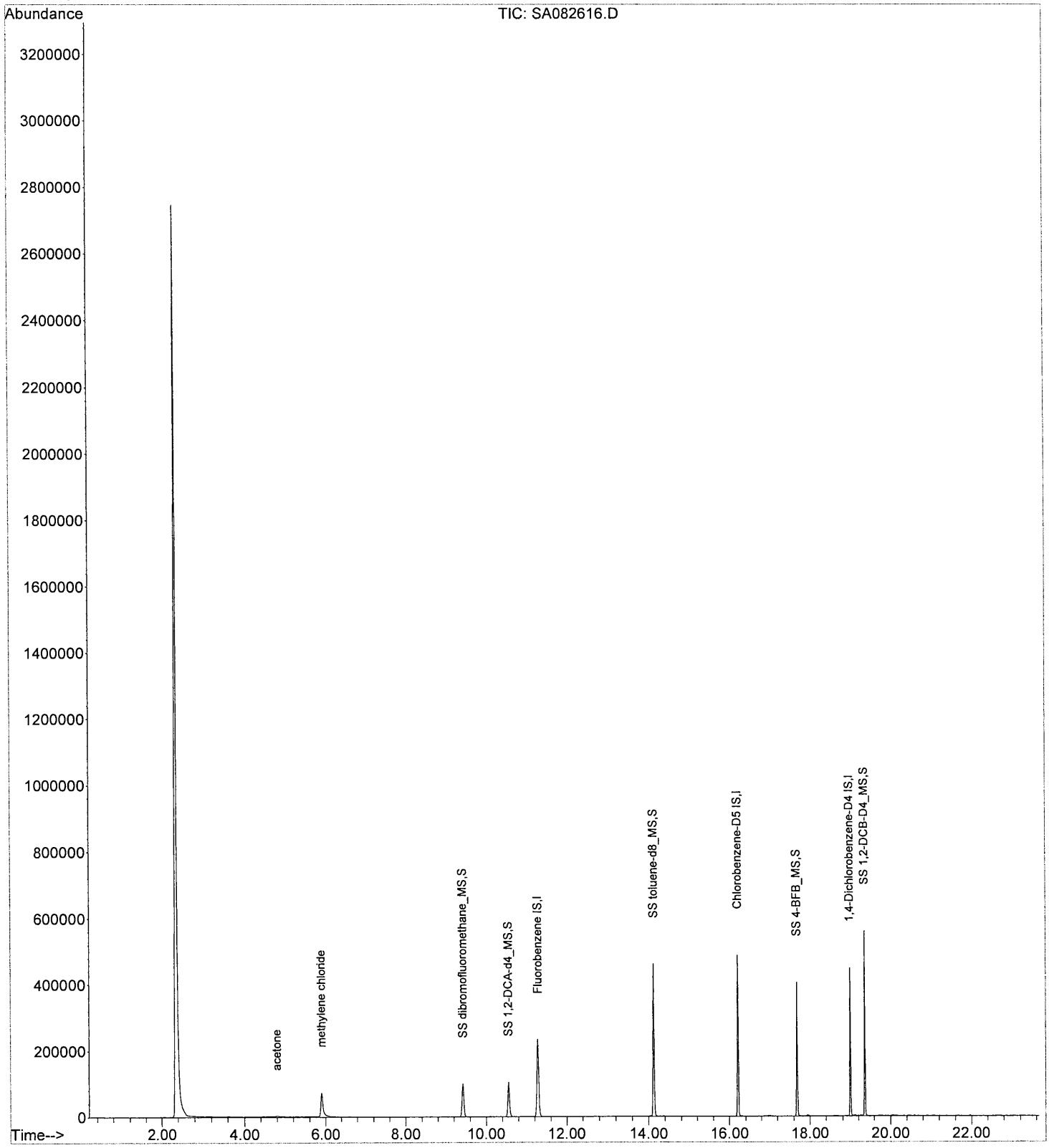
8/27/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082616.D 4VID0723.M Fri Aug 27 08:36:06 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082616.D Vial: 16
Acq On : 26 Aug 2010 8:38 pm Operator: KJP
Sample : 92079.07 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 8:36 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082530.D Vial: 30
Acq On : 26 Aug 2010 4:22 am Operator: KJP
Sample : 92079.07 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:36 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	317412	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	261454	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	102524	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	95224	11.425 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 114.250%	
35) SS 1,2-DCA-d4_MS	10.551	65	109075	10.946 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 109.460%	
48) SS toluene-d8_MS	14.125	98	322014	9.423 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 94.230%	
65) SS 4-BFB_MS	17.676	95	111046	8.599 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery	= 85.990%#	
83) SS 1,2-DCB-D4_MS	19.354	152	111599	11.619 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery	= 116.190%	
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery	= 0.000%#	
Target Compounds					Qvalue
11) acetone	4.786	43	5177	2.565 ug/L	97
15) methylene chloride	5.893	84	65861	9.280 ug/L	93

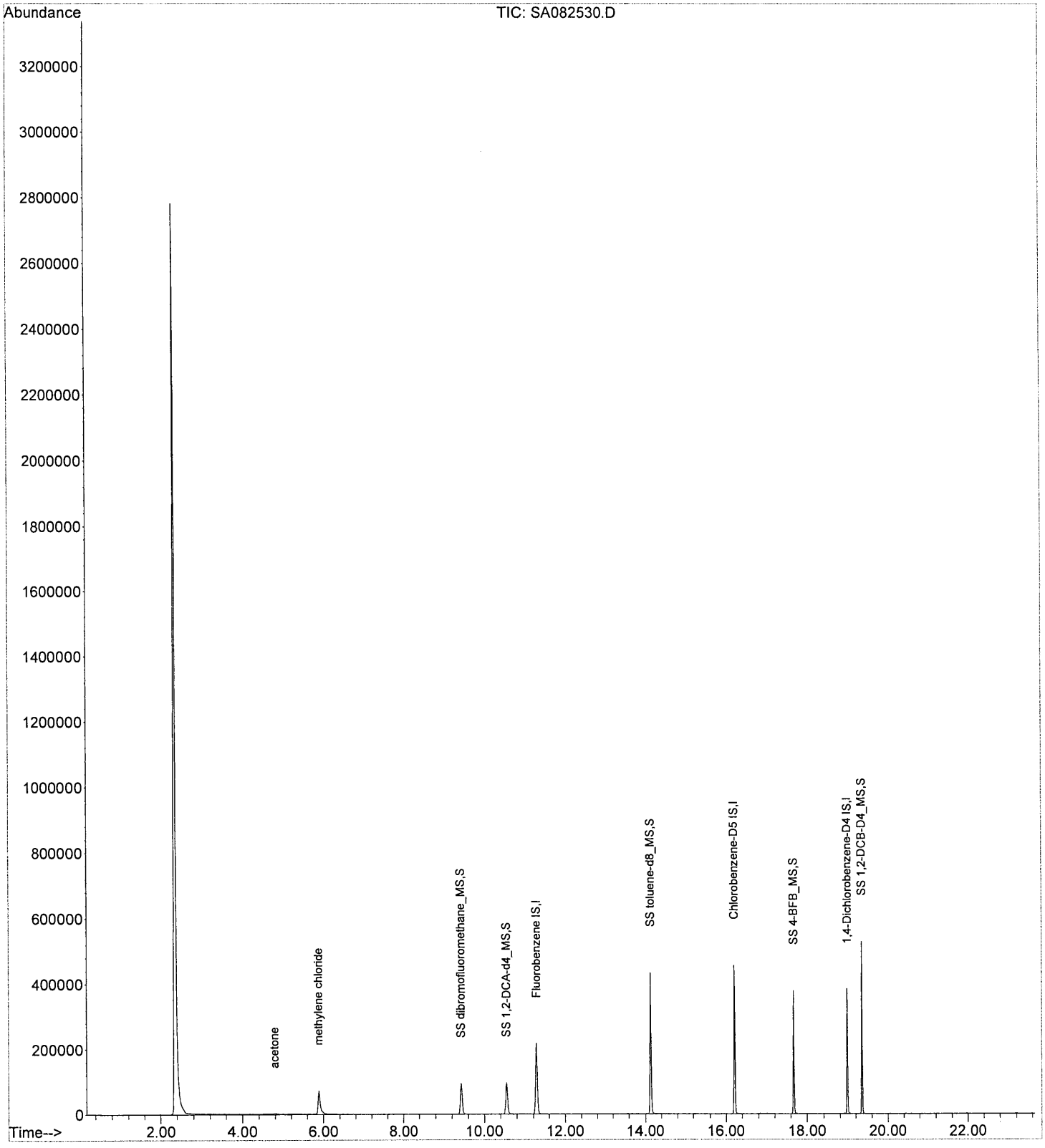
ethyl b ⇑ cv RRX 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA082530.D 4VID0723.M Thu Aug 26 08:27:37 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082530.D Vial: 30
Acq On : 26 Aug 2010 4:22 am Operator: KJP
Sample : 92079.07 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:27 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082617.D Vial: 17
Acq On : 26 Aug 2010 9:15 pm Operator: KJP
Sample : 92079.08 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 08:36:09 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.271	96	346557	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.203	117	259892	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	115970	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	97079	10.668 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.680%		
35) SS 1,2-DCA-d4_MS	10.551	65	114240	10.500 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.000%		
48) SS toluene-d8_MS	14.125	98	337211	9.927 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.270%		
65) SS 4-BFB_MS	17.676	95	119437	9.305 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 93.050%		
83) SS 1,2-DCB-D4_MS	19.354	152	112990	10.399 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.990%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.786	43	967	0.439 ug/L #	59

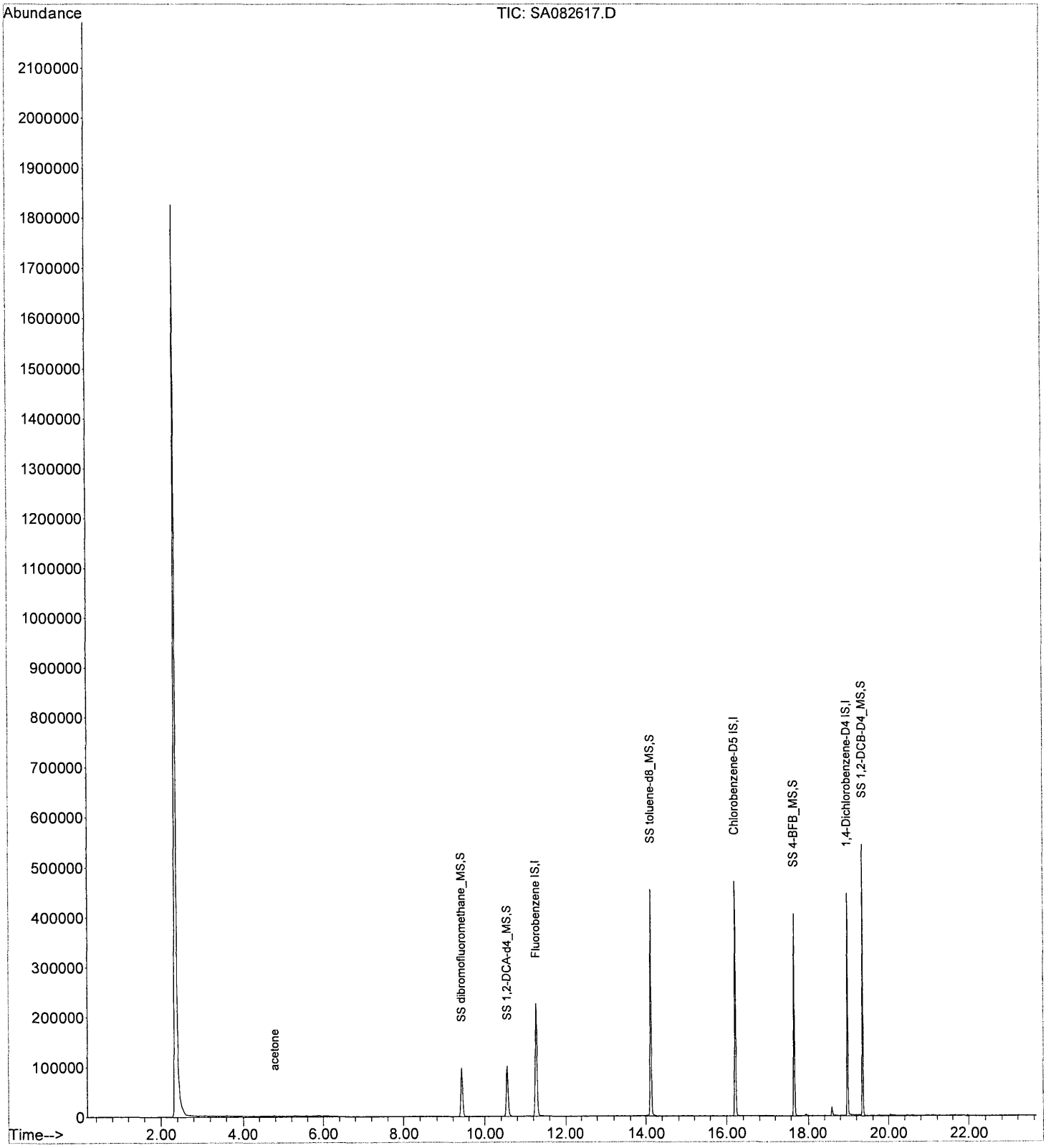
8/27/10
VOB

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082617.D Vial: 17
Acq On : 26 Aug 2010 9:15 pm Operator: KJP
Sample : 92079.08 Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 8:36 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082531.D Vial: 31
Acq On : 26 Aug 2010 4:58 am Operator: KJP
Sample : 92079.08 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:40 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	313075	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	253769	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.989	152	104984	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	92125	11.206 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 112.060%		
35) SS 1,2-DCA-d4_MS	10.551	65	111441	11.339 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 113.390%		
48) SS toluene-d8_MS	14.125	98	318703	9.609 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.090%		
65) SS 4-BFB_MS	17.676	95	114566	9.141 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 91.410%		
83) SS 1,2-DCB-D4_MS	19.354	152	109414	11.124 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.240%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.786	43	847	0.425 ug/L #	83

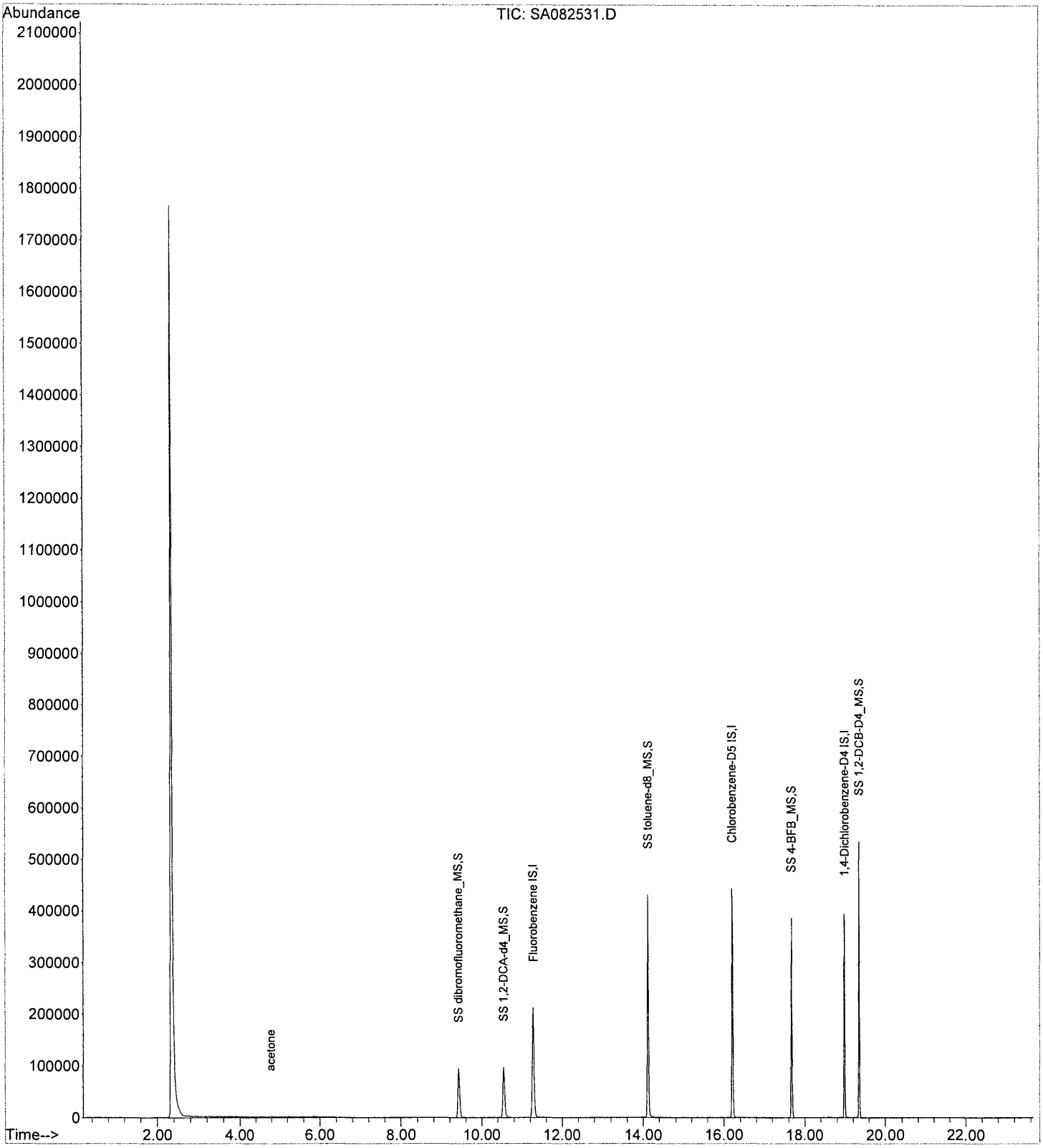
ethyl b TCV RRX 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082531.D Vial: 31
Acq On : 26 Aug 2010 4:58 am Operator: KJP
Sample : 92079.08 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:27 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082618.D Vial: 18
Acq On : 26 Aug 2010 9:51 pm Operator: KJP
Sample : 92079.03 - MS Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 08:36:13 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	370487	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	284506	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	136047	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	105257	10.820 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.200%		
35) SS 1,2-DCA-d4_MS	10.551	65	119434	10.269 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.690%		
48) SS toluene-d8_MS	14.125	98	368496	9.910 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.100%		
65) SS 4-BFB_MS	17.676	95	143049	10.180 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.800%		
83) SS 1,2-DCB-D4_MS	19.354	152	119203	9.352 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.520%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.560	85	310539	28.632 ug/L	99
3) chloromethane	2.879	50	205831	20.831 ug/L	100
4) vinyl chloride	2.993	62	123402	18.717 ug/L	99
5) bromomethane	3.564	94	95608	17.511 ug/L	98
6) chloroethane	3.678	64	158635	28.372 ug/L	100
7) trichlorofluoromethane	4.021	101	321658	25.228 ug/L	100
8) diethyl ether	4.466	59	185916	34.334 ug/L	93
9) 1,1,2-Trichlorotrifluoroet	4.683	101	137267	33.385 ug/L	98
11) acetone	4.797	43	41736	17.717 ug/L	100
12) 1,1-dichloroethene	5.003	96	145064	22.141 ug/L	93
13) tert-Butyl Alcohol (TBA)	5.151	59	58538	104.833 ug/L #	85
15) methylene chloride	5.893	84	160922	19.427 ug/L	89
16) carbon disulfide	5.905	76	410386	19.089 ug/L	100
17) acrylonitrile	6.144	53	50842	16.168 ug/L	93
18) Methyl-t-butyl ether (MTBE	6.190	73	359251	20.189 ug/L	99
19) trans-1,2-dichloroethene	6.453	96	212915	23.967 ug/L	93
20) hexane	6.590	57	848	0.389 ug/L #	70
21) Isopropyl ether (DIPE)	7.103	45	549483	18.848 ug/L	96
22) vinyl acetate	7.343	43	280725	16.491 ug/L	96
23) 1,1-dichloroethane	7.320	63	387533	21.889 ug/L	100
24) Ethyl-t-butyl ether (ETBE)	7.960	59	463177	19.171 ug/L	97
25) 2,2-dichloropropane	8.496	77	216343	18.812 ug/L	99
26) cis-1,2-dichloroethene	8.599	96	230016	22.407 ug/L	98
27) 2-butanone (MEK)	8.234	43	72725	18.605 ug/L	97
28) bromochloromethane	9.296	128	108081	21.545 ug/L	88
29) Tetrahydrofuran (THF)	9.387	42	52015	23.356 ug/L	94
30) chloroform	8.942	83	390490	22.548 ug/L	99
32) 1,1,1-trichloroethane	9.809	97	299675	23.086 ug/L	98
33) carbon tetrachloride	10.369	117	252490	22.606 ug/L	100
34) 1,1-dichloropropene	10.175	75	256678	22.026 ug/L	98
36) tert-amyl methyl ether (TA	10.471	73	401157	21.640 ug/L #	87
37) benzene	10.780	78	872593	24.588 ug/L	97
38) 1,2-dichloroethane	10.768	62	286452	20.505 ug/L	98

(#) = qualifier out of range (m) = manual integration

Data File : Y:\1\DATA\AUG2610\SA082618.D Vial: 18
Acq On : 26 Aug 2010 9:51 pm Operator: KJP
Sample : 92079.03 - MS Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 08:36:13 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	trichloroethene	12.093	95	208626	22.177 ug/L		97
40)	1,2-dichloropropane	12.435	63	213662	20.564 ug/L		97
41)	1,4-dioxane	12.915	88	3707	48.352 ug/L	#	91
42)	dibromomethane	12.938	93	143012	22.425 ug/L		99
43)	bromodichloromethane	12.846	83	260714	19.581 ug/L		99
44)	2-Chloroethoxyethene	13.463	63	329	3.038 ug/L	#	1
45)	4-methyl-2-pentanone (MIBK	13.451	58	62784	20.111 ug/L		98
46)	cis-1,3-dichloropropene	13.760	75	282958	20.217 ug/L		99
49)	toluene	14.239	91	828218	22.888 ug/L		100
50)	trans-1,3-dichloropropene	14.524	75	256390	18.343 ug/L		97
51)	1,1,2-trichloroethane	14.741	83	162708	21.052 ug/L		99
52)	2-hexanone	14.764	43	110011	19.566 ug/L		96
53)	tetrachloroethene	15.164	166	201722	24.841 ug/L		98
54)	1,3-dichloropropane	15.095	76	303990	20.686 ug/L		99
55)	dibromochloromethane	15.449	129	193866	21.576 ug/L		99
56)	1,2-dibromoethane	15.723	107	181894	20.911 ug/L		99
57)	chlorobenzene	16.260	112	677133	27.158 ug/L		96
58)	1,1,1,2-tetrachloroethane	16.305	131	187316	23.389 ug/L		99
59)	ethylbenzene	16.317	91	849299	24.204 ug/L		99
60)	mp-xylene	16.408	106	623029	48.530 ug/L		97
61)	o-xylene	16.945	106	304796	23.010 ug/L		99
62)	styrene	16.991	104	555300	22.835 ug/L		97
63)	bromoform	17.413	173	119400	19.372 ug/L	#	99
64)	iso-propylbenzene	17.367	105	657544	26.459 ug/L		100
67)	bromobenzene	17.904	156	229821	20.770 ug/L		96
68)	1,1,2,2-tetrachloroethane	17.573	83	228339	18.740 ug/L		99
69)	1,2,3-trichloropropane	17.744	110	64009	19.089 ug/L		97
71)	n-propylbenzene	17.835	91	788786	22.340 ug/L		98
72)	2-chlorotoluene	18.052	91	578830	20.143 ug/L		99
73)	4-chlorotoluene	18.098	91	562837	20.761 ug/L		97
74)	1,3,5-trimethylbenzene	18.007	105	505114	21.483 ug/L		100
75)	tert-butylbenzene	18.418	119	~~476477~~ 218	~~24.507~~ ug/L		96
76)	1,2,4-trimethylbenzene	18.463	105	542012	21.349 ug/L		98
77)	sec-butylbenzene	18.646	105	554371	21.480 ug/L		98
78)	1,3-dichlorobenzeneV	18.909	146	345738	20.941 ug/L		98
79)	p-isopropyltoluene	18.783	119	490609	22.585 ug/L		99
80)	1,4-dichlorobenzeneV	19.011	146	379926	21.973 ug/L		96
81)	1,2-dichlorobenzeneV	19.377	146	348997	20.603 ug/L		98
82)	n-butylbenzene	19.194	91	433754	21.319 ug/L		99
84)	1,2-dibromo-3-chloropropan	20.096	75	31400	18.588 ug/L		97
85)	1,3,5-trichlorobenzV	20.313	180	201506	20.633 ug/L		97
86)	1,2,4-trichlorobenzV	20.964	180	174251	20.958 ug/L		98
87)	hexachlorobutadieneV	21.089	225	93248	19.768 ug/L		99
88)	naphthaleneV	21.260	128	357862	19.220 ug/L		100
89)	1,2,3-trichlorobenzV	21.523	180	141615	19.675 ug/L		100

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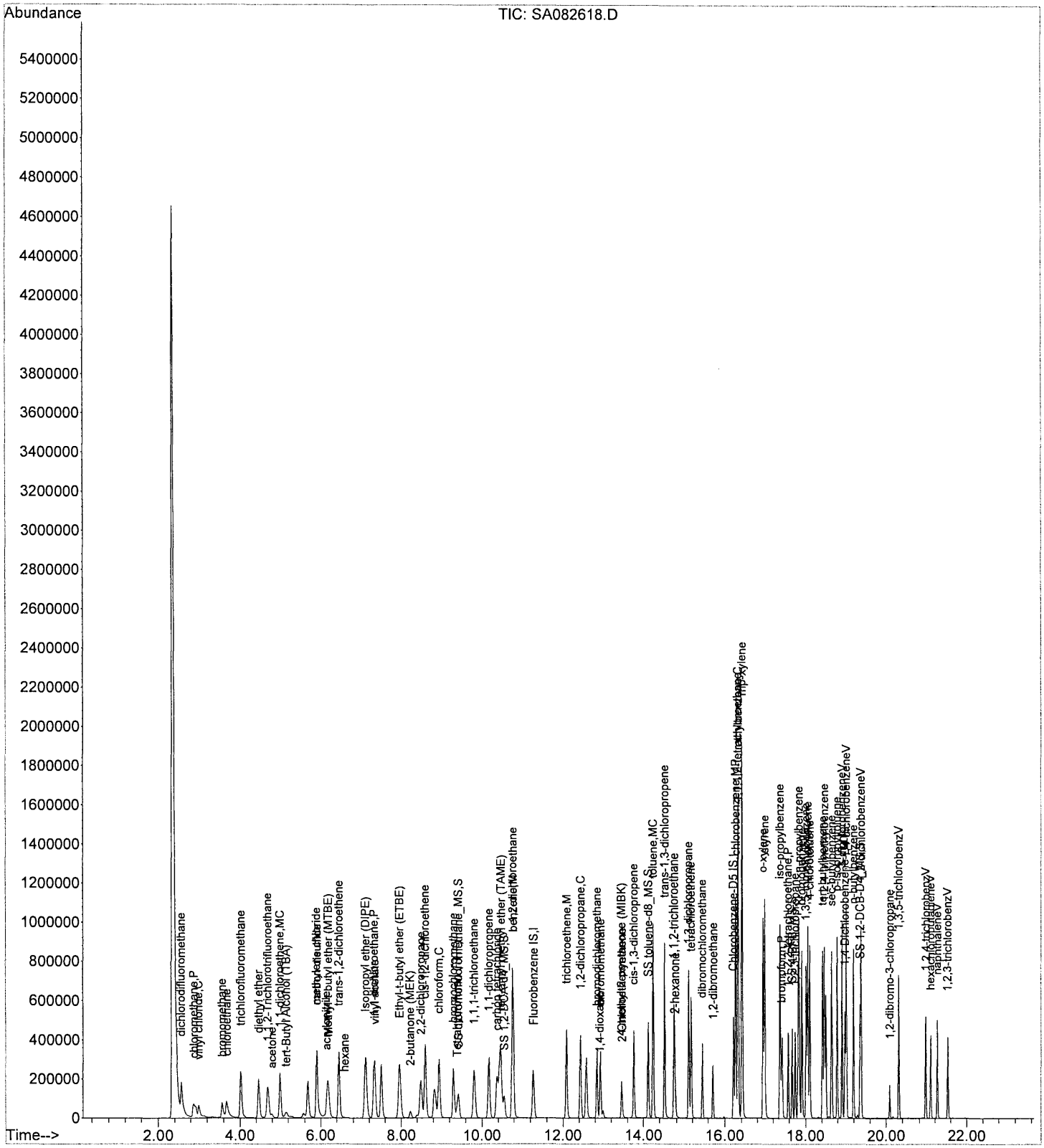
8/27/10 KJP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082618.D Vial: 18
Acq On : 26 Aug 2010 9:51 pm Operator: KJP
Sample : 92079.03 - MS Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 8:36 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082532.D Vial: 32
Acq On : 26 Aug 2010 5:34 am Operator: KJP
Sample : 92079.03 - MS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:44 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

ethylb↑ℓv RRX 1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	354241	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	276182	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	135753	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	101866	10.951 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.510%		
35) SS 1,2-DCA-d4_MS	10.551	65	115898	10.422 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.220%		
48) SS toluene-d8_MS	14.125	98	359148	9.950 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.500%		
65) SS 4-BFB_MS	17.676	95	142462	10.444 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 104.440%		
83) SS 1,2-DCB-D4_MS	19.354	152	124278	9.772 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.720%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.571	85	281717	27.166 ug/L	99
3) chloromethane	2.868	50	190748	20.189 ug/L	99
4) vinyl chloride	2.993	62	114651	18.188 ug/L	99
5) bromomethane	3.564	94	90588	17.353 ug/L	99
6) chloroethane	3.667	64	153104	28.638 ug/L	99
7) trichlorofluoromethane	4.021	101	297225	24.381 ug/L	100
8) diethyl ether	4.466	59	181357	35.028 ug/L	93
9) 1,1,2-Trichlorotrifluoroet	4.683	101	134071	34.103 ug/L	98
11) acetone	4.797	43	42269	18.766 ug/L	98
12) 1,1-dichloroethene	5.003	96	138135	22.051 ug/L	95
13) tert-Butyl Alcohol (TBA)	5.163	59	56322	105.490 ug/L	94
15) methylene chloride	5.893	84	157845	19.929 ug/L	92
16) carbon disulfide	5.905	76	410340	19.963 ug/L	100
17) acrylonitrile	6.144	53	52661	17.514 ug/L	98
18) Methyl-t-butyl ether (MTBE	6.179	73	345677	20.317 ug/L	98
19) trans-1,2-dichloroethene	6.453	96	206500	24.311 ug/L	93
21) Isopropyl ether (DIPE)	7.104	45	519262	18.629 ug/L	96
22) vinyl acetate	7.343	43	183279	11.260 ug/L	96
23) 1,1-dichloroethane	7.320	63	374663	22.133 ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.971	59	431327	18.672 ug/L	97
25) 2,2-dichloropropane	8.496	77	153731	14.373 ug/L	99
26) cis-1,2-dichloroethene	8.599	96	219993	22.413 ug/L	98
27) 2-butanone (MEK)	8.234	43	65609	17.554 ug/L	98
28) bromochloromethane	9.296	128	107120	22.332 ug/L	89
29) Tetrahydrofuran (THF)	9.375	42	49990	23.476 ug/L	96
30) chloroform	8.942	83	386358	23.333 ug/L	99
32) 1,1,1-trichloroethane	9.809	97	299540	24.134 ug/L	98
33) carbon tetrachloride	10.380	117	252244	23.511 ug/L	99
34) 1,1-dichloropropene	10.175	75	243478	21.852 ug/L	98
36) tert-amyl methyl ether (TA	10.471	73	358409	20.221 ug/L #	92
37) benzene	10.780	78	859849	25.340 ug/L	97
38) 1,2-dichloroethane	10.768	62	281876	21.103 ug/L	99
39) trichloroethene	12.093	95	204383	22.722 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082532.D Vial: 32
Acq On : 26 Aug 2010 5:34 am Operator: KJP
Sample : 92079.03 - MS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:44 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

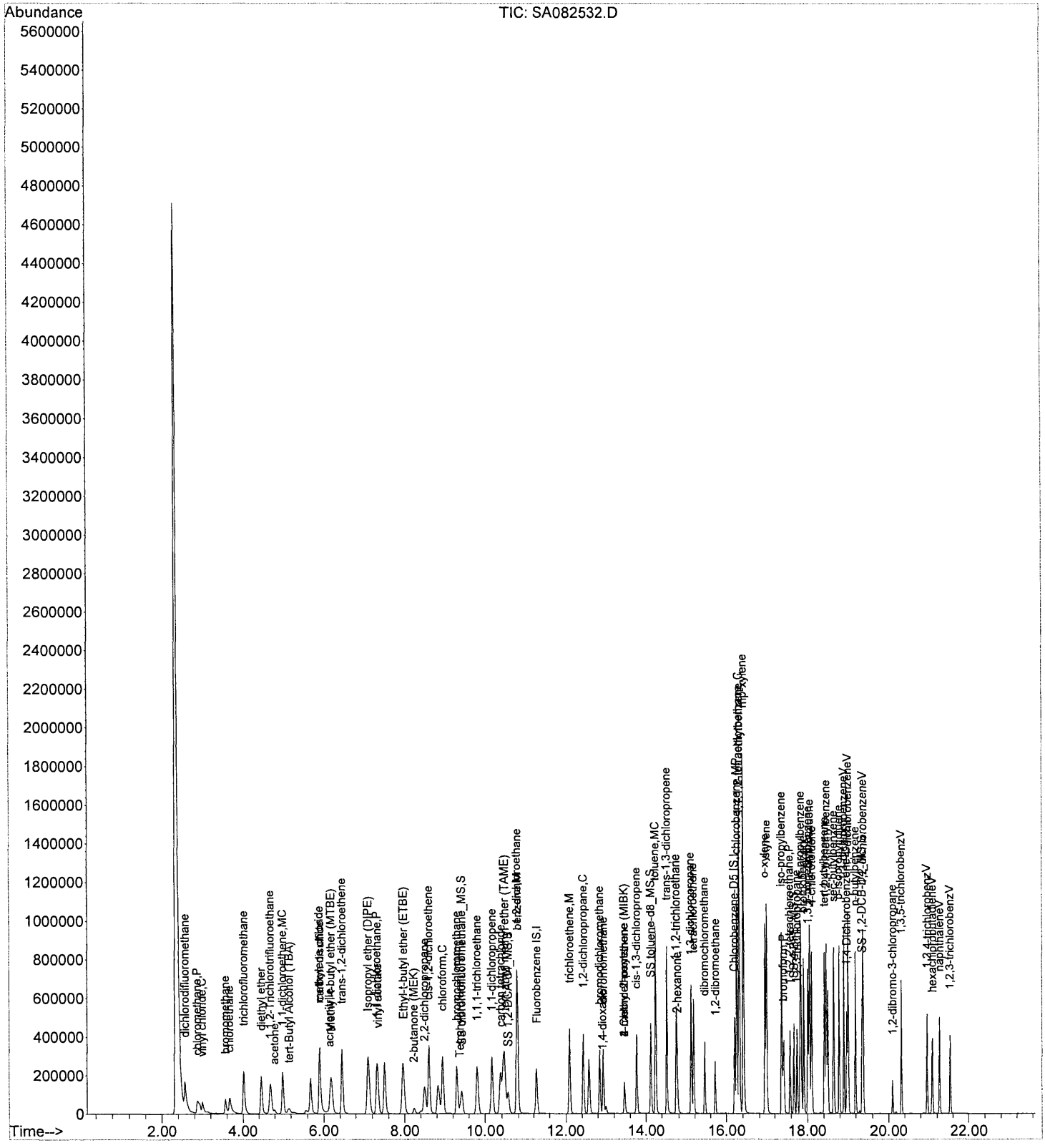
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	1,2-dichloropropane	12.435	63	206818	20.818	ug/L		97
41)	1,4-dioxane	12.915	88	3836	52.329	ug/L	#	96
42)	dibromomethane	12.938	93	136970	22.462	ug/L		98
43)	bromodichloromethane	12.846	83	256938	20.187	ug/L		99
44)	2-Chloroethoxyethene	13.451	63	188	3.018	ug/L	#	1
45)	4-methyl-2-pentanone (MIBK	13.451	58	52990	17.752	ug/L		96
46)	cis-1,3-dichloropropene	13.760	75	261281	19.524	ug/L		99
49)	toluene	14.239	91	823320	23.439	ug/L		99
50)	trans-1,3-dichloropropene	14.524	75	245779	18.133	ug/L		98
51)	1,1,2-trichloroethane	14.741	83	158138	21.078	ug/L		99
52)	2-hexanone	14.764	43	97904	17.938	ug/L		98
53)	tetrachloroethene	15.164	166	197056	24.998	ug/L		99
54)	1,3-dichloropropane	15.095	76	300129	21.039	ug/L		99
55)	dibromochloromethane	15.449	129	191221	21.923	ug/L		99
56)	1,2-dibromoethane	15.723	107	179584	21.267	ug/L		99
57)	chlorobenzene	16.260	112	657157	27.151	ug/L		96
58)	1,1,1,2-tetrachloroethane	16.306	131	184955	23.790	ug/L		99
59)	ethylbenzene	16.317	91	817150	23.990	ug/L		99
60)	mp-xylene	16.408	106	606442	48.662	ug/L		97
61)	o-xylene	16.945	106	293511	22.826	ug/L		98
62)	styrene	16.991	104	541373	22.933	ug/L		98
63)	bromoform	17.413	173	119875	19.988	ug/L	#	99
64)	iso-propylbenzene	17.367	105	639653	26.515	ug/L		99
67)	bromobenzene	17.904	156	220954	20.012	ug/L		96
68)	1,1,2,2-tetrachloroethane	17.573	83	228397	18.785	ug/L		99
69)	1,2,3-trichloropropane	17.744	110	63093	18.856	ug/L		97
71)	n-propylbenzene	17.835	91	765094	21.716	ug/L		99
72)	2-chlorotoluene	18.052	91	569983	19.878	ug/L		98
73)	4-chlorotoluene	18.109	91	550423	20.347	ug/L		98
74)	1,3,5-trimethylbenzene	18.018	105	493249	21.024	ug/L		99
75)	tert-butylbenzene	18.418	119	460130	23.717	ug/L		97
76)	1,2,4-trimethylbenzene	18.463	105	533203	21.048	ug/L		100
77)	sec-butylbenzene	18.646	105	542163	21.053	ug/L		99
78)	1,3-dichlorobenzeneV	18.909	146	335670	20.375	ug/L		97
79)	p-isopropyltoluene	18.783	119	462813	21.351	ug/L		100
80)	1,4-dichlorobenzeneV	19.011	146	365179	21.165	ug/L		97
81)	1,2-dichlorobenzeneV	19.377	146	340319	20.134	ug/L		98
82)	n-butylbenzene	19.194	91	409591	20.175	ug/L		98
84)	1,2-dibromo-3-chloropropan	20.096	75	31166	18.510	ug/L		98
85)	1,3,5-trichlorobenzV	20.313	180	189585	19.454	ug/L		98
86)	1,2,4-trichlorobenzV	20.964	180	166074	20.017	ug/L		98
87)	hexachlorobutadieneV	21.089	225	88492	18.801	ug/L		99
88)	naphthaleneV	21.260	128	338506	18.220	ug/L		100
89)	1,2,3-trichlorobenzV	21.523	180	132709	18.477	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082532.D Vial: 32
Acq On : 26 Aug 2010 5:34 am Operator: KJP
Sample : 92079.03 - MS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:27 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082619.D Vial: 19
Acq On : 26 Aug 2010 10:27 pm Operator: KJP
Sample : 92079.03 - MSD Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 08:36:18 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	385071	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	295489	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	134963	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	105182	10.402 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.020%		
35) SS 1,2-DCA-d4_MS	10.551	65	119039	9.847 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.470%		
48) SS toluene-d8_MS	14.125	98	377070	9.764 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.640%		
65) SS 4-BFB_MS	17.676	95	147496	10.106 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 101.060%		
83) SS 1,2-DCB-D4_MS	19.354	152	126946	10.040 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.400%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.571	85	307075	27.241 ug/L	100
3) chloromethane	2.879	50	203100	19.776 ug/L	98
4) vinyl chloride	2.993	62	123182	17.976 ug/L	99
5) bromomethane	3.564	94	102696	18.097 ug/L	99
6) chloroethane	3.678	64	159912	27.517 ug/L	99
7) trichlorofluoromethane	4.021	101	319350	24.098 ug/L	100
8) diethyl ether	4.466	59	186946	33.216 ug/L	92
9) 1,1,2-Trichlorotrifluoroet	4.695	101	141382	33.083 ug/L	98
11) acetone	4.797	43	40640	16.598 ug/L	96
12) 1,1-dichloroethene	5.003	96	146750	21.550 ug/L	95
13) tert-Butyl Alcohol (TBA)	5.163	59	60299	103.897 ug/L #	85
15) methylene chloride	5.893	84	163552	18.996 ug/L	90
16) carbon disulfide	5.905	76	425544	19.045 ug/L	100
17) acrylonitrile	6.144	53	54148	16.567 ug/L	96
18) Methyl-t-butyl ether (MTBE	6.179	73	374070	20.226 ug/L	98
19) trans-1,2-dichloroethene	6.453	96	219583	23.781 ug/L	94
20) hexane	6.578	57	895	0.395 ug/L #	51
21) Isopropyl ether (DIPE)	7.104	45	566857	18.708 ug/L	96
22) vinyl acetate	7.343	43	266070	15.038 ug/L	96
23) 1,1-dichloroethane	7.320	63	395135	21.473 ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.960	59	491731	19.582 ug/L	97
25) 2,2-dichloropropane	8.496	77	217798	18.270 ug/L	98
26) cis-1,2-dichloroethene	8.599	96	236286	22.146 ug/L	97
27) 2-butanone (MEK)	8.234	43	73662	18.131 ug/L	95
28) bromochloromethane	9.296	128	110816	21.253 ug/L	87
29) Tetrahydrofuran (THF)	9.387	42	54886	23.711 ug/L #	92
30) chloroform	8.942	83	403602	22.423 ug/L	97
32) 1,1,1-trichloroethane	9.809	97	314143	23.284 ug/L	98
33) carbon tetrachloride	10.369	117	262373	22.601 ug/L	99
34) 1,1-dichloropropene	10.175	75	264900	21.871 ug/L	97
36) tert-amyl methyl ether (TA	10.460	73	416993	21.642 ug/L #	86
37) benzene	10.780	78	900741	24.420 ug/L	97
38) 1,2-dichloroethane	10.768	62	294736	20.299 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082619.D Vial: 19
Acq On : 26 Aug 2010 10:27 pm Operator: KJP
Sample : 92079.03 - MSD Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 08:36:18 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	trichloroethene	12.093	95	216390	22.131 ug/L		97
40)	1,2-dichloropropane	12.435	63	215678	19.972 ug/L		96
41)	1,4-dioxane	12.926	88	4354	54.640 ug/L	#	93
42)	dibromomethane	12.938	93	144966	21.870 ug/L		99
43)	bromodichloromethane	12.846	83	269493	19.473 ug/L		98
44)	2-Chloroethoxyethene	13.451	63	110	3.005 ug/L	#	1
45)	4-methyl-2-pentanone (MIBK	13.451	58	62117	19.143 ug/L		97
46)	cis-1,3-dichloropropene	13.760	75	294483	20.243 ug/L		99
49)	toluene	14.239	91	861570	22.925 ug/L		100
50)	trans-1,3-dichloropropene	14.525	75	266215	18.339 ug/L		98
51)	1,1,2-trichloroethane	14.741	83	163902	20.418 ug/L		98
52)	2-hexanone	14.764	43	106595	18.254 ug/L		93
53)	tetrachloroethene	15.164	166	208989	24.779 ug/L		98
54)	1,3-dichloropropane	15.095	76	311065	20.381 ug/L		98
55)	dibromochloromethane	15.449	129	198469	21.267 ug/L		100
56)	1,2-dibromoethane	15.723	107	189302	20.954 ug/L		99
57)	chlorobenzene	16.260	112	695324	26.851 ug/L		96
58)	1,1,1,2-tetrachloroethane	16.306	131	192746	23.172 ug/L		99
59)	ethylbenzene	16.317	91	863166	23.685 ug/L		99
60)	mp-xylene	16.408	106	631828	47.386 ug/L		98
61)	o-xylene	16.945	106	315390	22.925 ug/L		99
62)	styrene	16.991	104	559920	22.169 ug/L		98
63)	bromoform	17.413	173	123335	19.274 ug/L	#	99
64)	iso-propylbenzene	17.367	105	676009	26.191 ug/L		99
67)	bromobenzene	17.904	156	235115	21.419 ug/L		96
68)	1,1,2,2-tetrachloroethane	17.573	83	231133	19.122 ug/L		100
69)	1,2,3-trichloropropane	17.744	110	66785	20.077 ug/L		97
71)	n-propylbenzene	17.835	91	815119	23.272 ug/L		100
72)	2-chlorotoluene	18.052	91	595893	20.904 ug/L		98
73)	4-chlorotoluene	18.098	91	580882	21.599 ug/L		98
74)	1,3,5-trimethylbenzene	18.007	105	519455	22.270 ug/L		98
75)	tert-butylbenzene	18.418	119	~~498197~~ 445829	23.11 ~~25.82~~ ug/L		96
76)	1,2,4-trimethylbenzene	18.463	105	562134	22.320 ug/L		99
77)	sec-butylbenzene	18.646	105	587386	22.942 ug/L		99
78)	1,3-dichlorobenzeneV	18.909	146	353524	21.584 ug/L		99
79)	p-isopropyltoluene	18.783	119	501115	23.254 ug/L		99
80)	1,4-dichlorobenzeneV	19.011	146	387816	22.609 ug/L		96
81)	1,2-dichlorobenzeneV	19.377	146	357082	21.250 ug/L		99
82)	n-butylbenzene	19.194	91	449436	22.267 ug/L		97
84)	1,2-dibromo-3-chloropropan	20.096	75	32285	19.121 ug/L		96
85)	1,3,5-trichlorobenzV	20.313	180	209871	21.662 ug/L		99
86)	1,2,4-trichlorobenzV	20.964	180	185341	22.471 ug/L		98
87)	hexachlorobutadieneV	21.089	225	99129	21.184 ug/L		98
88)	naphthaleneV	21.260	128	380280	20.588 ug/L		100
89)	1,2,3-trichlorobenzV	21.523	180	148437	20.788 ug/L		99

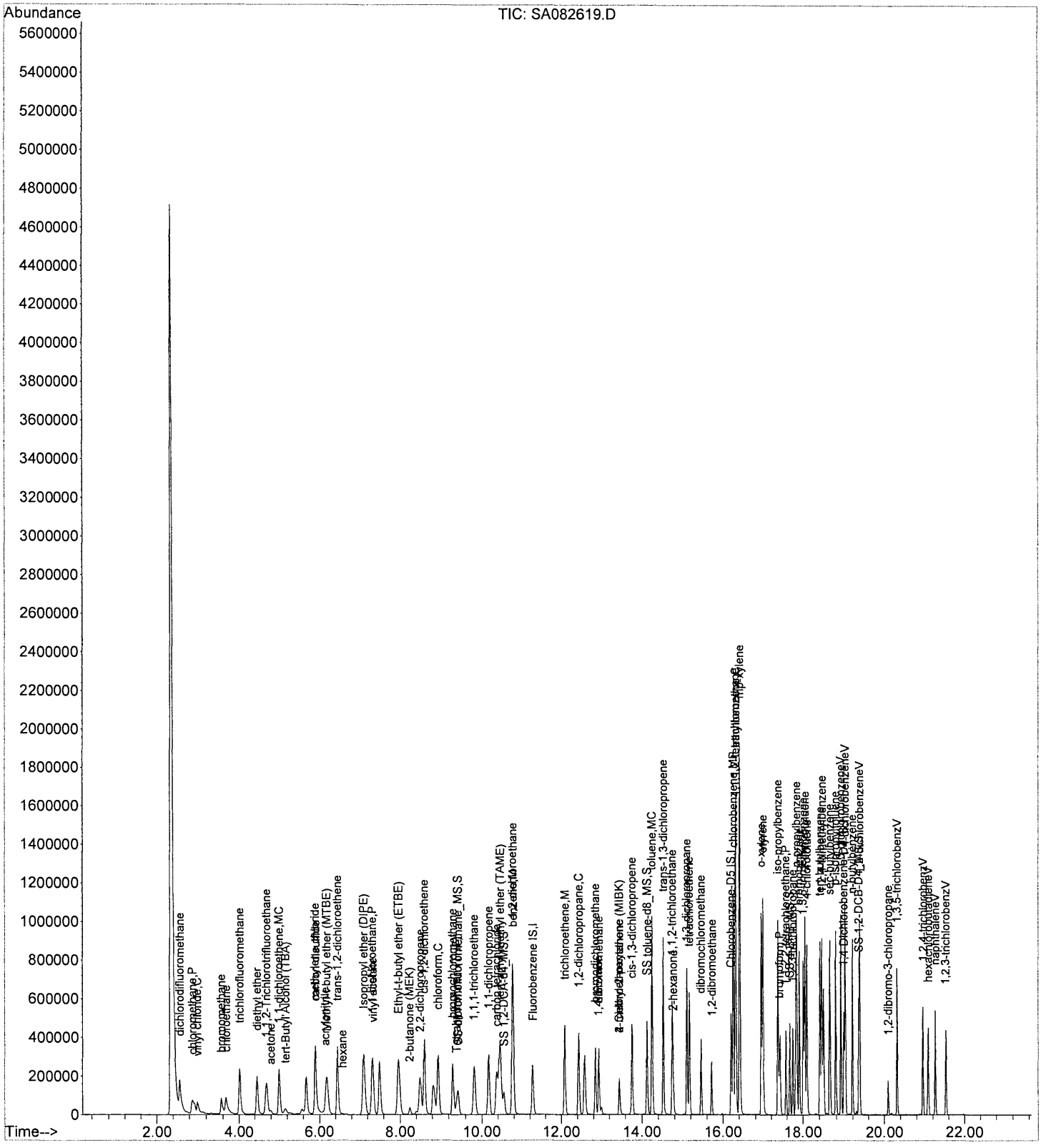
8/27/10
VB

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2610\SA082619.D Vial: 19
Acq On : 26 Aug 2010 10:27 pm Operator: KJP
Sample : 92079.03 - MSD Inst : VOAMS4
Misc : X1;5mL;RR Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 27 8:36 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082533.D Vial: 33
Acq On : 26 Aug 2010 6:10 am Operator: KJP
Sample : 92079.03 - MSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:49 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

ethyl bt ↑ CV RRX1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.282	96	361435	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.203	117	279412	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.977	152	135782	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.421	111	104386	10.999 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 109.990%		
35) SS 1,2-DCA-d4_MS	10.551	65	114585	10.099 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.990%		
48) SS toluene-d8_MS	14.125	98	364373	9.978 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.780%		
65) SS 4-BFB_MS	17.675	95	143054	10.366 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 103.660%		
83) SS 1,2-DCB-D4_MS	19.354	152	124482	9.785 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.850%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.559	85	303774	28.710 ug/L	100
3) chloromethane	2.868	50	205346	21.302 ug/L	98
4) vinyl chloride	2.993	62	123592	19.216 ug/L	100
5) bromomethane	3.564	94	104507	19.621 ug/L	97
6) chloroethane	3.667	64	161902	29.681 ug/L	98
7) trichlorofluoromethane	4.021	101	320921	25.801 ug/L	100
8) diethyl ether	4.466	59	190568	36.074 ug/L	93
9) 1,1,2-Trichlorotrifluoroet	4.683	101	137957	34.393 ug/L	98
11) acetone	4.797	43	43359	18.866 ug/L	97
12) 1,1-dichloroethene	5.003	96	146853	22.976 ug/L	92
13) tert-Butyl Alcohol (TBA)	5.151	59	54792	100.582 ug/L	91
15) methylene chloride	5.893	84	162771	20.142 ug/L	89
16) carbon disulfide	5.905	76	420072	20.029 ug/L	100
17) acrylonitrile	6.144	53	51692	16.850 ug/L	96
18) Methyl-t-butyl ether (MTBE	6.179	73	355634	20.486 ug/L	98
19) trans-1,2-dichloroethene	6.453	96	214737	24.777 ug/L	92
20) hexane	6.590	57	1051	0.494 ug/L #	40
21) Isopropyl ether (DIPE)	7.103	45	541636	19.045 ug/L	97
22) vinyl acetate	7.343	43	206217	12.417 ug/L	97
23) 1,1-dichloroethane	7.320	63	385715	22.332 ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.960	59	453168	19.227 ug/L	97
25) 2,2-dichloropropane	8.496	77	156847	14.373 ug/L	99
26) cis-1,2-dichloroethene	8.599	96	226051	22.572 ug/L	97
27) 2-butanone (MEK)	8.234	43	67786	17.776 ug/L	98
28) bromochloromethane	9.295	128	107282	21.921 ug/L	89
29) Tetrahydrofuran (THF)	9.375	42	51130	23.533 ug/L	98
30) chloroform	8.942	83	392465	23.230 ug/L	98
32) 1,1,1-trichloroethane	9.821	97	306751	24.223 ug/L	98
33) carbon tetrachloride	10.369	117	256493	23.439 ug/L	100
34) 1,1-dichloropropene	10.175	75	248473	21.856 ug/L	97
36) tert-amyl methyl ether (TA	10.460	73	373496	20.652 ug/L #	90
37) benzene	10.780	78	864012	24.956 ug/L	97
38) 1,2-dichloroethane	10.768	62	284802	20.898 ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : Y:\1\DATA\AUG2510\SA082533.D Vial: 33
Acq On : 26 Aug 2010 6:10 am Operator: KJP
Sample : 92079.03 - MSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 08:27:49 2010 Quant Results File: 4VID0723.RES

Quant Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

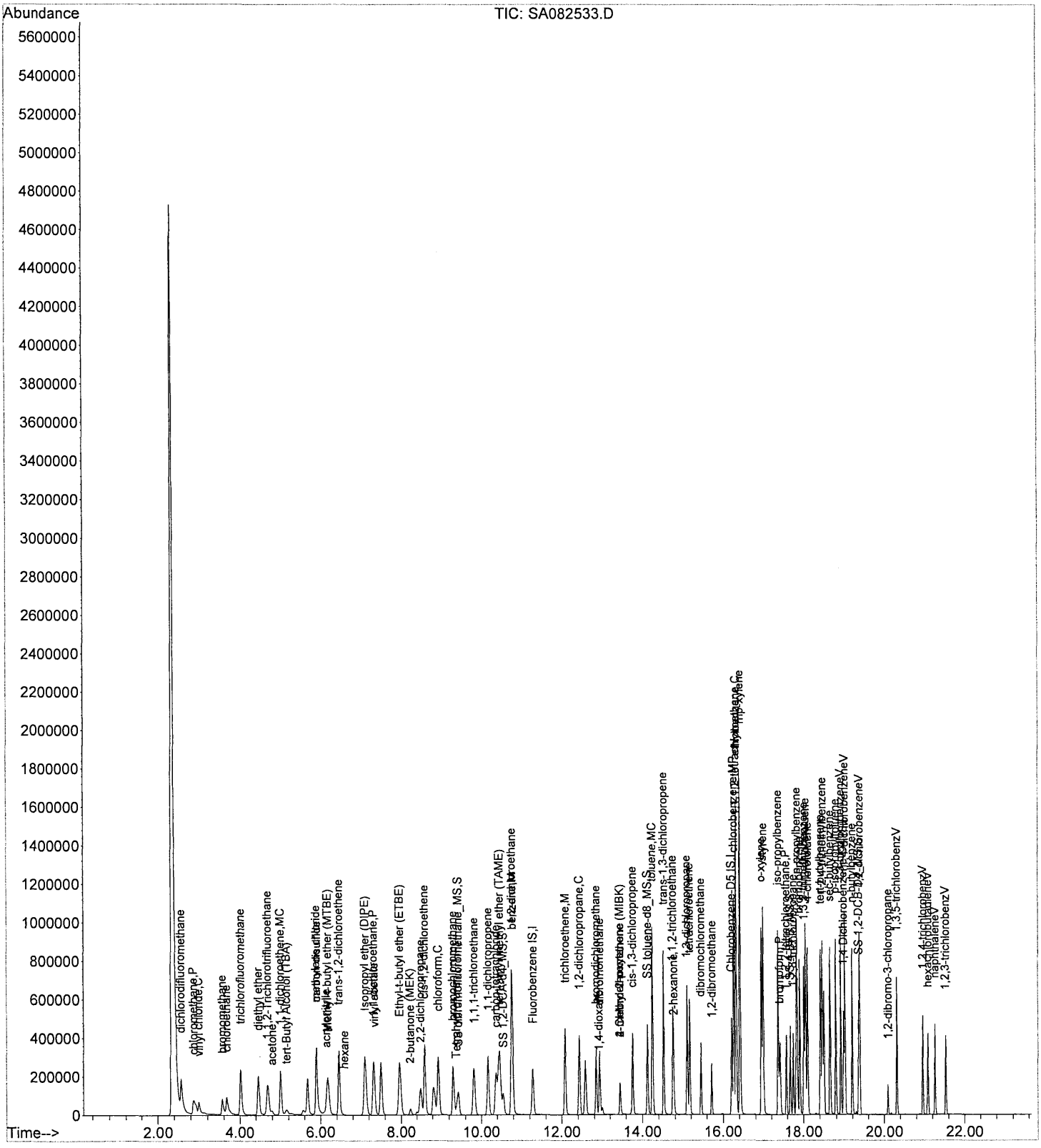
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	trichloroethene	12.093	95	208127	22.678	ug/L		98
40)	1,2-dichloropropane	12.435	63	209158	20.635	ug/L		98
41)	1,4-dioxane	12.915	88	3766	50.352	ug/L	#	97
42)	dibromomethane	12.937	93	137912	22.166	ug/L		99
43)	bromodichloromethane	12.846	83	262845	20.240	ug/L		99
44)	2-Chloroethoxyethene	13.451	63	198	3.019	ug/L	#	1
45)	4-methyl-2-pentanone (MIBK	13.451	58	55174	18.116	ug/L		95
46)	cis-1,3-dichloropropene	13.759	75	270509	19.812	ug/L		99
49)	toluene	14.239	91	834680	23.487	ug/L		100
50)	trans-1,3-dichloropropene	14.524	75	242511	17.722	ug/L		98
51)	1,1,2-trichloroethane	14.741	83	155433	20.478	ug/L		98
52)	2-hexanone	14.764	43	99441	18.009	ug/L		100
53)	tetrachloroethene	15.164	166	200084	25.089	ug/L		99
54)	1,3-dichloropropane	15.095	76	293019	20.303	ug/L		99
55)	dibromochloromethane	15.449	129	190726	21.614	ug/L		99
56)	1,2-dibromoethane	15.723	107	173856	20.351	ug/L		99
57)	chlorobenzene	16.260	112	662167	27.042	ug/L		96
58)	1,1,1,2-tetrachloroethane	16.305	131	189078	24.039	ug/L		99
59)	ethylbenzene	16.317	91	832722	24.165	ug/L		99
60)	mp-xylene	16.408	106	599943	47.584	ug/L		100
61)	o-xylene	16.945	106	299526	23.024	ug/L		99
62)	styrene	16.990	104	542722	22.725	ug/L		98
63)	bromoform	17.413	173	118036	19.491	ug/L	#	98
64)	iso-propylbenzene	17.367	105	649096	26.595	ug/L		99
67)	bromobenzene	17.904	156	227749	20.623	ug/L		95
68)	1,1,2,2-tetrachloroethane	17.573	83	220206	18.108	ug/L		99
69)	1,2,3-trichloropropane	17.744	110	62832	18.774	ug/L		96
71)	n-propylbenzene	17.835	91	795001	22.560	ug/L		100
72)	2-chlorotoluene	18.052	91	575912	20.081	ug/L		98
73)	4-chlorotoluene	18.109	91	564152	20.850	ug/L		98
74)	1,3,5-trimethylbenzene	18.018	105	510195	21.741	ug/L		100
75)	tert-butylbenzene	18.418	119	479011	24.685	ug/L		97
76)	1,2,4-trimethylbenzene	18.463	105	547842	21.621	ug/L		99
77)	sec-butylbenzene	18.646	105	560794	21.771	ug/L		99
78)	1,3-dichlorobenzeneV	18.909	146	334502	20.300	ug/L		99
79)	p-isopropyltoluene	18.783	119	481732	22.219	ug/L		100
80)	1,4-dichlorobenzeneV	19.011	146	372338	21.576	ug/L		96
81)	1,2-dichlorobenzeneV	19.377	146	343034	20.290	ug/L		98
82)	n-butylbenzene	19.194	91	421443	20.754	ug/L		97
84)	1,2-dibromo-3-chloropropan	20.096	75	29140	17.561	ug/L		96
85)	1,3,5-trichlorobenzV	20.313	180	198723	20.387	ug/L		98
86)	1,2,4-trichlorobenzV	20.964	180	165877	19.989	ug/L		99
87)	hexachlorobutadieneV	21.089	225	91806	19.500	ug/L		99
88)	naphthaleneV	21.260	128	326478	17.569	ug/L		99
89)	1,2,3-trichlorobenzV	21.523	180	135643	18.882	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\AUG2510\SA082533.D Vial: 33
Acq On : 26 Aug 2010 6:10 am Operator: KJP
Sample : 92079.03 - MSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 26 8:27 2010 Quant Results File: 4VID0723.RES

Method : Y:\1\METHODS\2010\4VID0723.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Mon Jul 26 10:58:44 2010
Response via : Initial Calibration



1,4-Dioxane
8260B SIM
Volatile Organic Analysis

Initial Calibration

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

IS/SS ID= V-~~3625~~ 3624
Standard ID= V-~~3625~~ ~~3548~~ 3625
LCS/LCSD and/or MS/MSD Standard ID= V-3590

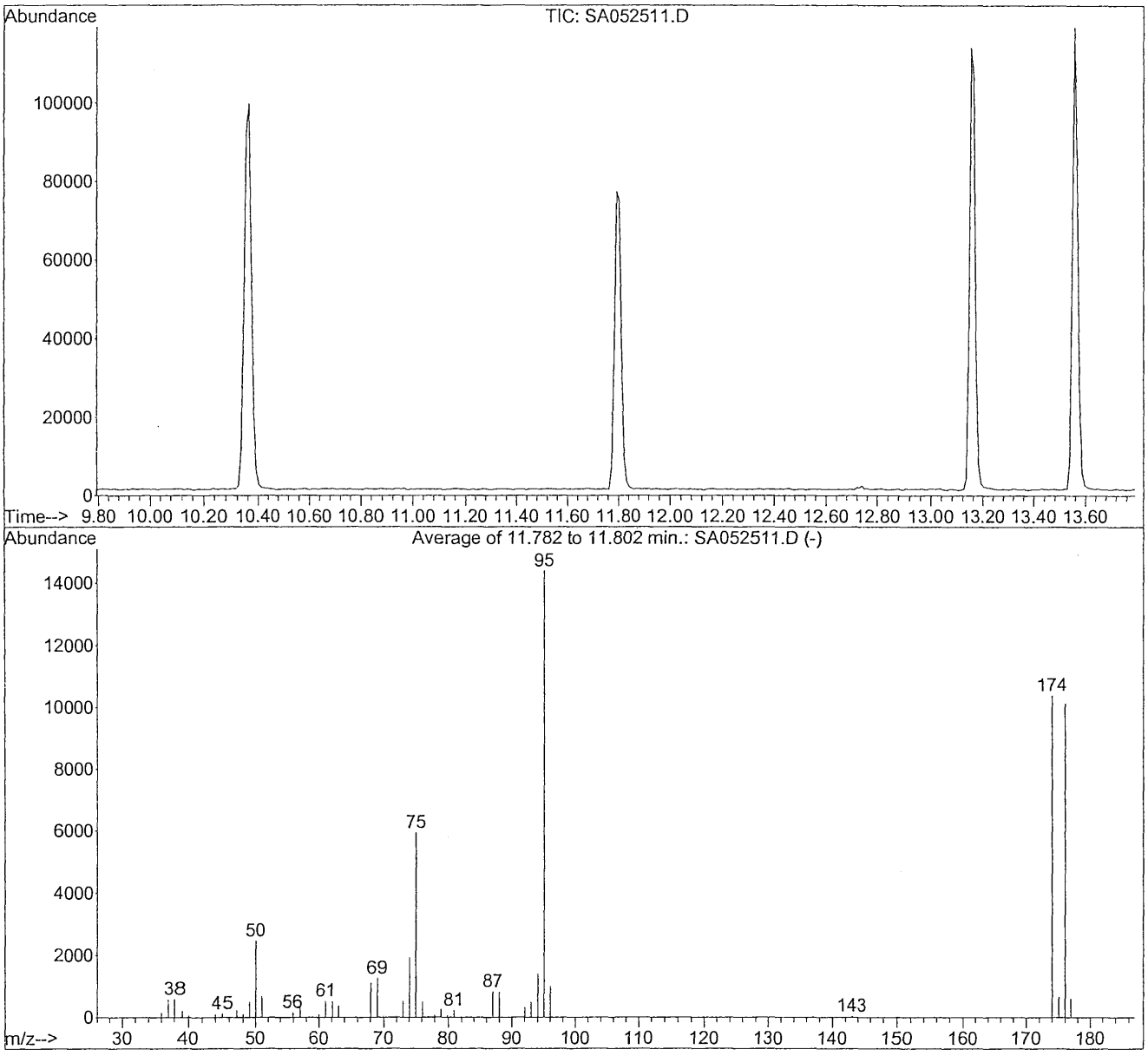
Analyst: VG

Date: 5/29/10

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA052901	Blank		✓		x1	VOC MSI			
2	2	BFB		✓		↓	VOC ↓			
3	3	STD5		✓			VOC SIM	29SIM059		
4	4	Blank		✓			VOC			
5	5	LCS5		✓			VOC			
6	6	LCSD5		✓		↓	VOC ↓			
~~7~~	~~7~~	~~STD0.5~~					VOC			
~~8~~	~~8~~	~~1~~					VOC			
		~~2~~					VOC			
		~~10~~					VOC			
		~~20~~					VOC			
		~~50~~				5/29/10	VOC			
		~~Blank~~					VOC			
	7	89225.02		✓		x1	VOC			
	8	03		✓			VOC			
	9	12		✓			VOC			
	10	Blank		✓			VOC			
	11	BFB		✓			VOC			
	12	STD0.5		✓			VOC			
	13	1		✓			VOC		New ICAL	
	14	2		✓			VOC		29SIM0825	
	15	10		✓			VOC			
	16	20		✓			VOC			
	17	50		✓		↓	VOC		May have prepared	
							VOC		1 incorrectly (looks	
							VOC		more like a 0.5)	
							VOC		Dropped point	
							VOC		from curve	
							VOC		VG 5/26/10	
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			

...s removed from autosampler, order verified by VG 5/26/10

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052511.D Vial: 11
Acq On : 25 May 2010 6:10 pm Operator: VG
Sample : BFB Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09



Spectrum Information: Average of 11.782 to 11.802 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	2464	PASS
75	95	30	60	41.3	5943	PASS
95	95	100	100	100.0	14400	PASS
96	95	5	9	6.9	989	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.2	10393	PASS
175	174	5	9	6.2	648	PASS
176	174	95	101	97.5	10129	PASS
177	176	5	9	6.1	613	PASS

Response Factor Report VOAMS2

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration

Calibration Files
1 =SA052513.D 20 =SA052516.D 10 =SA052515.D
50 =SA052517.D 5 =SA052503.D 2 =SA052514.D

		Compound	1	20	10	50	5	2	Avg	%RSD
1)	I	Fluorobenzene IS	----------ISTD----------							
2)		1,4-dioxaneV		0.057	0.053	0.057	0.045	0.047	0.051#	11.17
3)	S	SS Toluene-d8_M	1.031	1.035	1.026	1.036	1.026	1.041	1.031	0.66
4)	S	SS 4-BFB_MS	0.315	0.321	0.317	0.318	0.310	0.321	0.317	1.23

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

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052512.D Vial: 12
Acq On : 25 May 2010 6:57 pm Operator: VG
Sample : STD0.5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:01:38 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

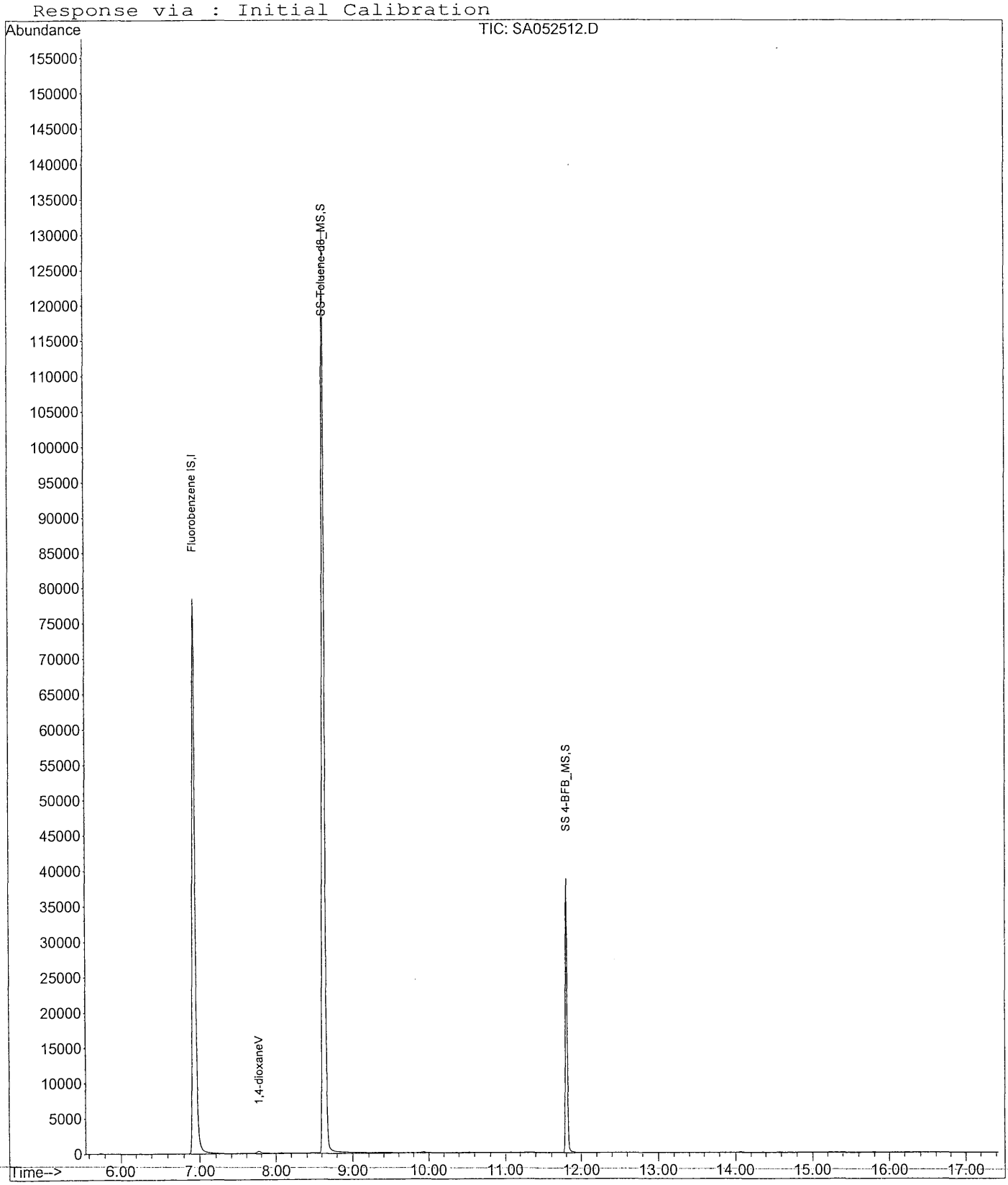
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	209782	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	214349	10.09	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.93%			
4) SS 4-BFB_MS	11.80	95	66019	10.30	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.00%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	477m	0.320	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052512.D Vial: 12
Acq On : 25 May 2010 6:57 pm Operator: VG
Sample : STD0.5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:15 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052514.D Vial: 14
Acq On : 25 May 2010 8:35 pm Operator: VG
Sample : STD2 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02:00 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

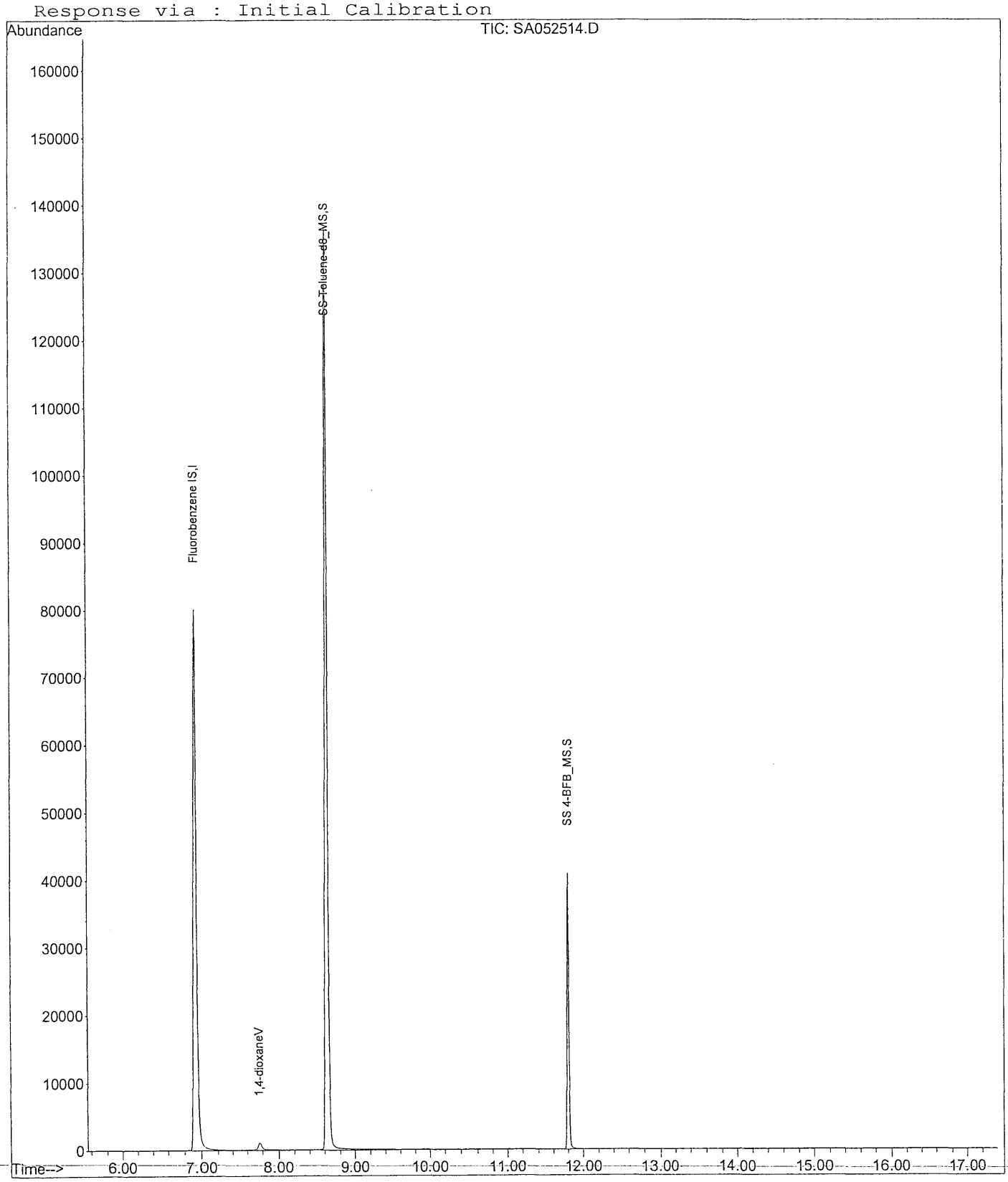
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	211291	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	219927	10.28	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.82%			
4) SS 4-BFB_MS	11.80	95	67843	10.51	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.09%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	2002	1.332	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052514.D Vial: 14
Acq On : 25 May 2010 8:35 pm Operator: VG
Sample : STD2 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:01 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052503.D Vial: 3
Acq On : 25 May 2010 11:48 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:18:36 2010 Quant Results File: 2SIM0525.RES

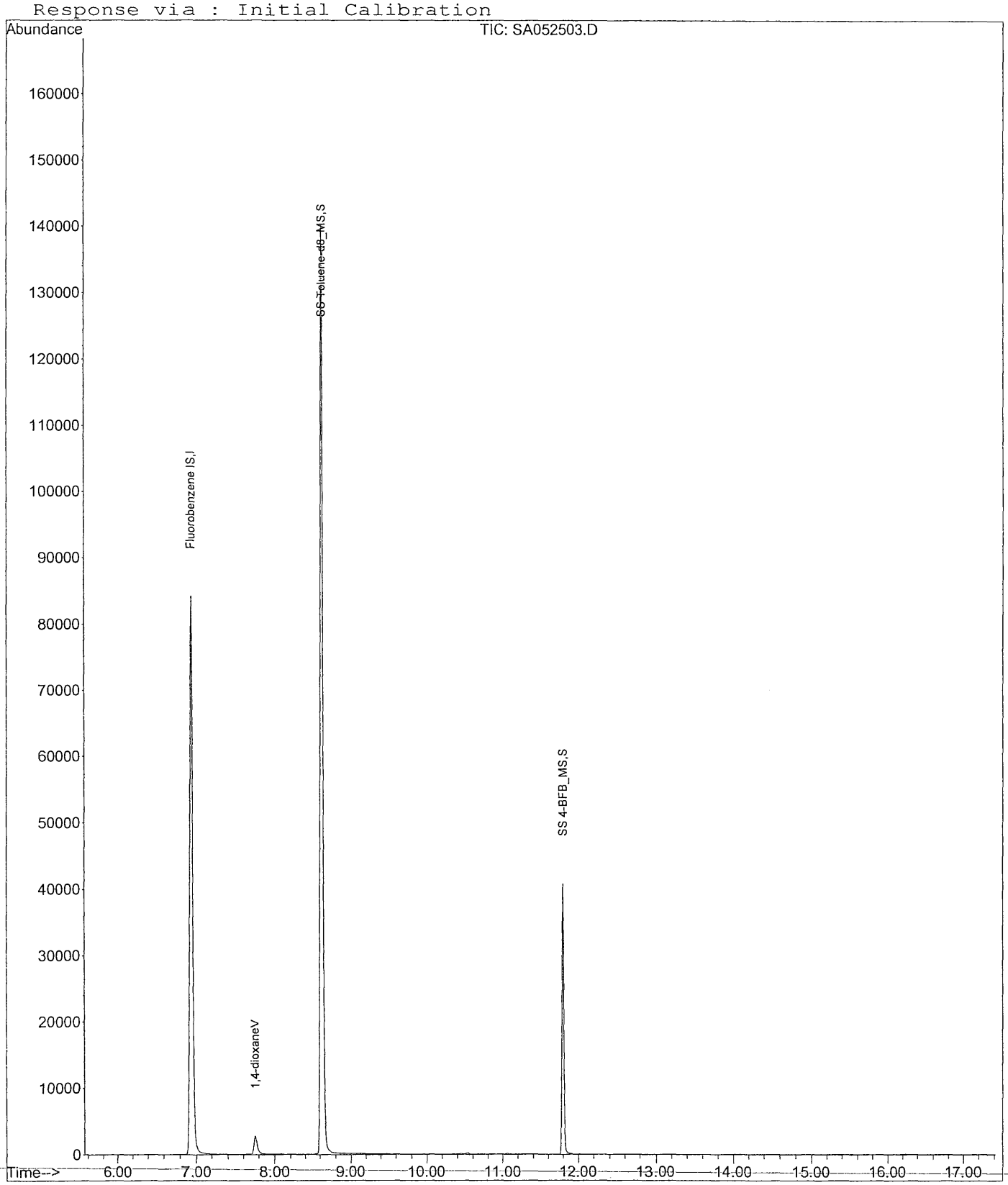
Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	223824	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.62	98	229712	9.96	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.55%			
4) SS 4-BFB_MS	11.80	95	69309	9.78	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.84%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	4995	4.400	ug/L	98

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052503.D Vial: 3
Acq On : 25 May 2010 11:48 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:18 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052515.D Vial: 15
Acq On : 25 May 2010 9:23 pm Operator: VG
Sample : STD10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02:09 2010 Quant Results File: 2SIM0525.RES

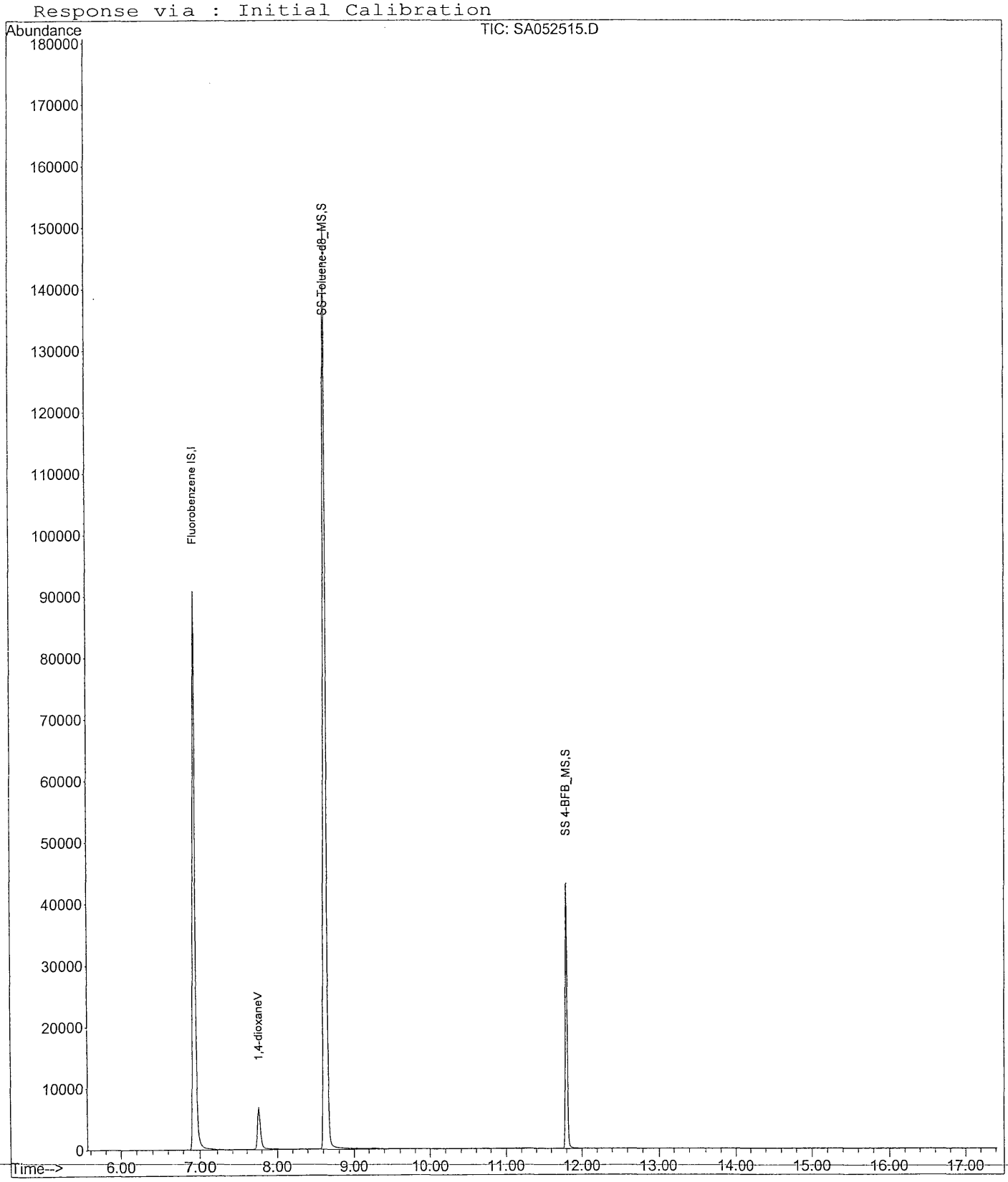
Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	228398	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	234233	10.13	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.30%			
4) SS 4-BFB_MS	11.80	95	72321	10.36	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.64%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	12040	7.408	ug/L	100

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052515.D Vial: 15
Acq On : 25 May 2010 9:23 pm Operator: VG
Sample : STD10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052516.D Vial: 16
Acq On : 25 May 2010 10:13 pm Operator: VG
Sample : STD20 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02:18 2010 Quant Results File: 2SIM0525.RES

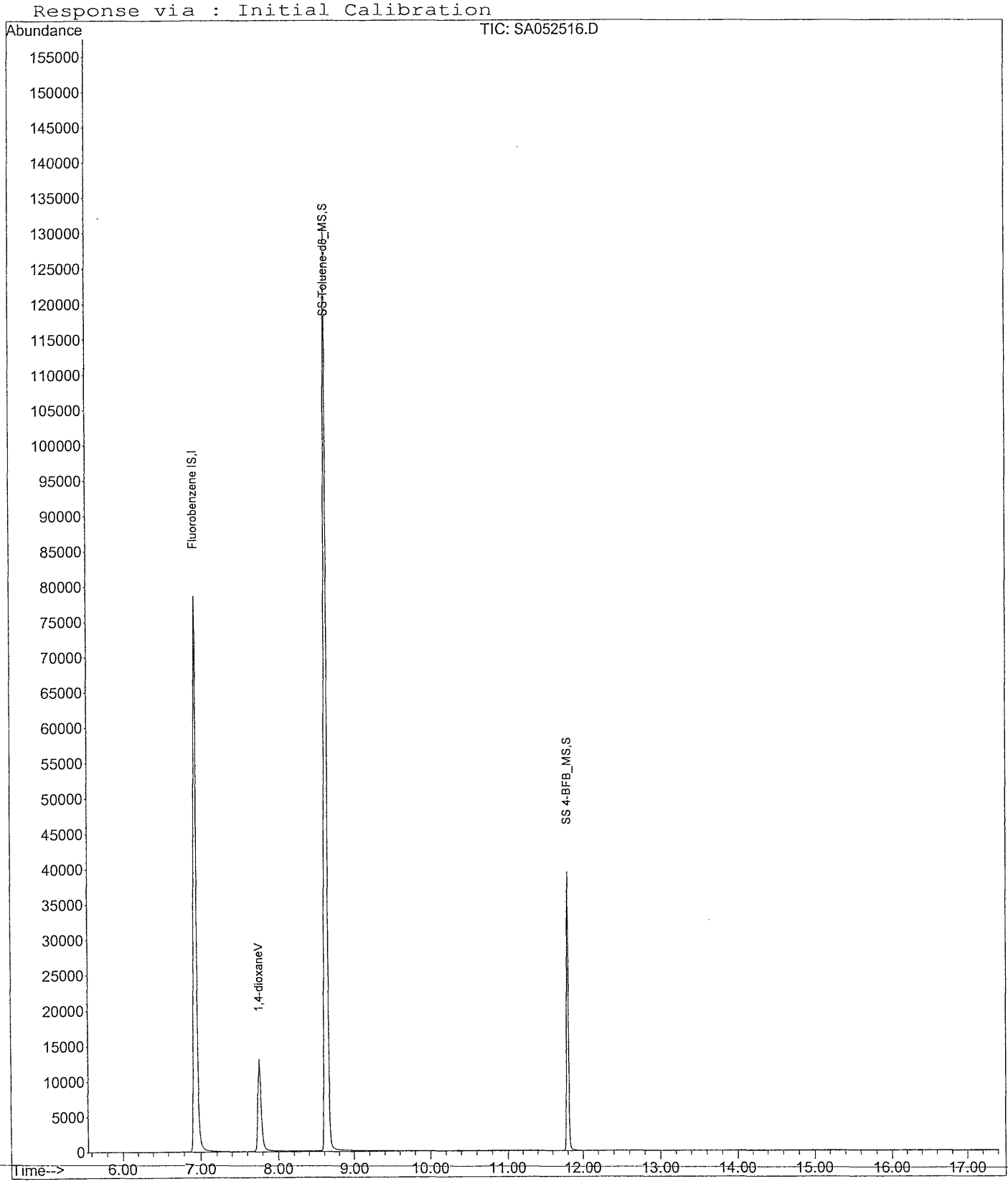
Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	209599	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	216849	10.22	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.20%			
4) SS 4-BFB_MS	11.80	95	67211	10.50	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.95%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	24094	16.155	ug/L	99

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052516.D Vial: 16
Acq On : 25 May 2010 10:13 pm Operator: VG
Sample : STD20 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052517.D Vial: 17
Acq On : 25 May 2010 11:03 pm Operator: VG
Sample : STD50 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02:27 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 19 16:07:24 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

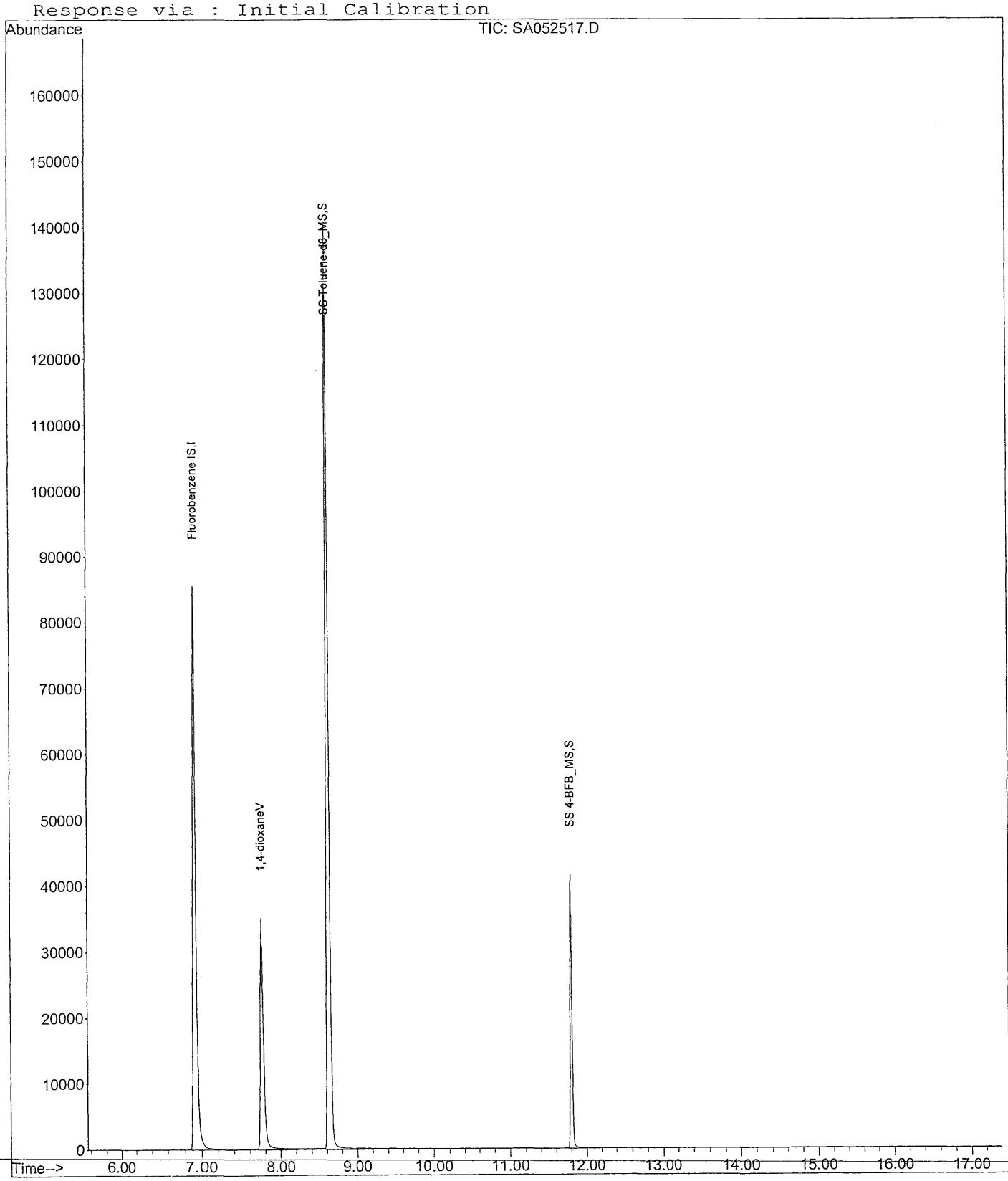
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	217415	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	225350	10.24	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.39%			
4) SS 4-BFB_MS	11.80	95	69032	10.39	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.92%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	61567	39.796	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\2010\MAY10\MAY2510\SA052517.D Vial: 17
Acq On : 25 May 2010 11:03 pm Operator: VG
Sample : STD50 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: May 26 10:02 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



1,4-Dioxane
8260B SIM
Volatile Organic Analysis

Batch QC & Sample Data

nQCBatch 73401644896

aQCPointers
BlnkA083010V82601
LCSaA083010V82601
LCSDA083010V82601

aQCBatchMembers
92079.01
92079.02
92079.03P
73401644872.08P
73401644887.05
73401644887.06

2SIM0525
ICAL 0.5-50

CV DEV
none

12 hr tune ok
IS areas ok
BLK ok
QC in Control
(5)RPD by %Rec

IS/SS ID= V-3664

Standard ID= V-3657

Analyst: Blue

LCS/LCSD and/or MS/MSD Standard ID= V-3598

Date: 8/30/10

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA083001	Blank					VOC MS1			
2	02	BFB					VOC ↓		autorun	
3	03	STD5					VOC SIM	25M05X		
4	04	Blank					VOC			
5	05	LCS5					VOC			
6	06	LCSD5					VOC			
7	07	92079.02	✓	✓		x1	VOC			
8	08	.03	✓	✓		↓	VOC			
9	09	.01	✓	✓		x20	VOC			
10	10	92232.01		✓		x100	VOC		Screening	
11	11	.02		✓			VOC			
12	12	.03		✓			VOC			
13	13	.04		✓			VOC			
14	14	.05		✓			VOC			
15	15	.06		✓			VOC			
16	16	.07		✓		↓	VOC ↓		↓	
17	17	Blank					VOC MS1			
18	18	BFB					VOC ↓			
19	19	STD5					VOC SIM			
20	20	Blank					VOC ~~MS1~~SIM			
21	21	LCS5					VOC SIM			
22	22	LCSD5					VOC			
23	23	92232.13		✓		~~x100~~	VOC		~~Screening~~ Blue TB	
24	24	.08		✓		x100	VOC		Screening	
25	25	.09		✓			VOC			
26	26	.10		✓			VOC			
27	27	.11		✓			VOC			
28	28	.12		✓			VOC			
29	29	92273.01		✓			VOC			
30	30	.02		✓			VOC			
31	31	.03		✓			VOC			
32	32	.04		✓		↓	VOC ↓		↓	
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			
							VOC			

✓ ✓

Samples removed from autosampler, order verified by Blue 8/3/10

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG3010\SA083002.D
Tune Time : 30 Aug 2010 11:04 am

Daily Calibration File : V:\1\DATA\AUG3010\SA083003.D

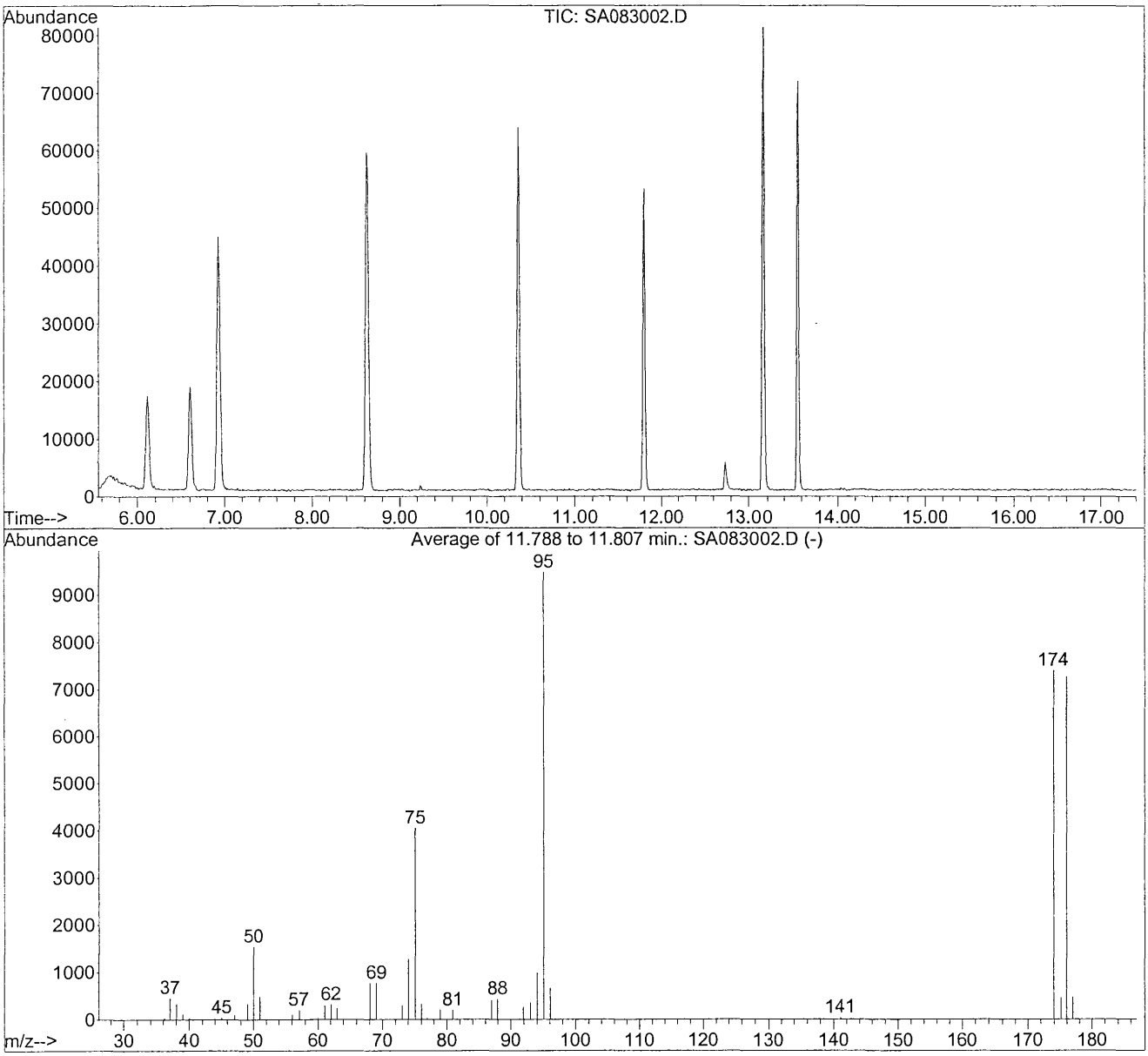
				120477
File	Sample	Surrogate Recovery %		Internal Standard Responses
SA083003.D	STD 5	105	112	120477
SA083004.D	BLANK	104	110	105504
SA083005.D	LCS 5	106	111	119562
SA083006.D	LCSD 5	105	110	105676
SA083007.D	92079.02	104	109	124546
SA083008.D	92079.03	106	113	123718
SA083009.D	92079.01	104	111	119764
SA083010.D	92232.01	105	110	109655
SA083011.D	92232.02	104	109	117281
SA083012.D	92232.03	105	113	103090
SA083013.D	92232.04	105	112	96502
SA083014.D	92232.05	105	112	103159
SA083015.D	92232.06	104	110	80898
SA083016.D	92232.07	107	111	114277

t - fails 12hr time check * - fails criteria

Created: Wed Sep 01 12:21:27 2010 VOAMS2

Data File : V:\1\DATA\AUG3010\SA083002.D
Acq On : 30 Aug 2010 11:04 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09

Vial: 2
Operator:
Inst : VOAMS2
Multiplr: 1.00



Spectrum Information: Average of 11.788 to 11.807 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	1543	PASS
75	95	30	60	42.7	4052	PASS
95	95	100	100	100.0	9480	PASS
96	95	5	9	7.0	664	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.0	7396	PASS
175	174	5	9	6.2	460	PASS
176	174	95	101	98.2	7263	PASS
177	176	5	9	6.4	467	PASS

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG3010\SA083003.D Vial: 3
Acq On : 30 Aug 2010 11:51 am Operator:
Sample : STD 5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
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	54	0.00
2		1,4-dioxaneV	5.000	5.946	-18.9	73	0.00
3	S	SS Toluene-d8_MS	10.000	10.493	-4.9	57	0.00
4	S	SS 4-BFB_MS	10.000	11.173	-11.7	61	0.00

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3010\SA083003.D Vial: 3
Acq On : 30 Aug 2010 11:51 am Operator:
Sample : STD 5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 12:25:11 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

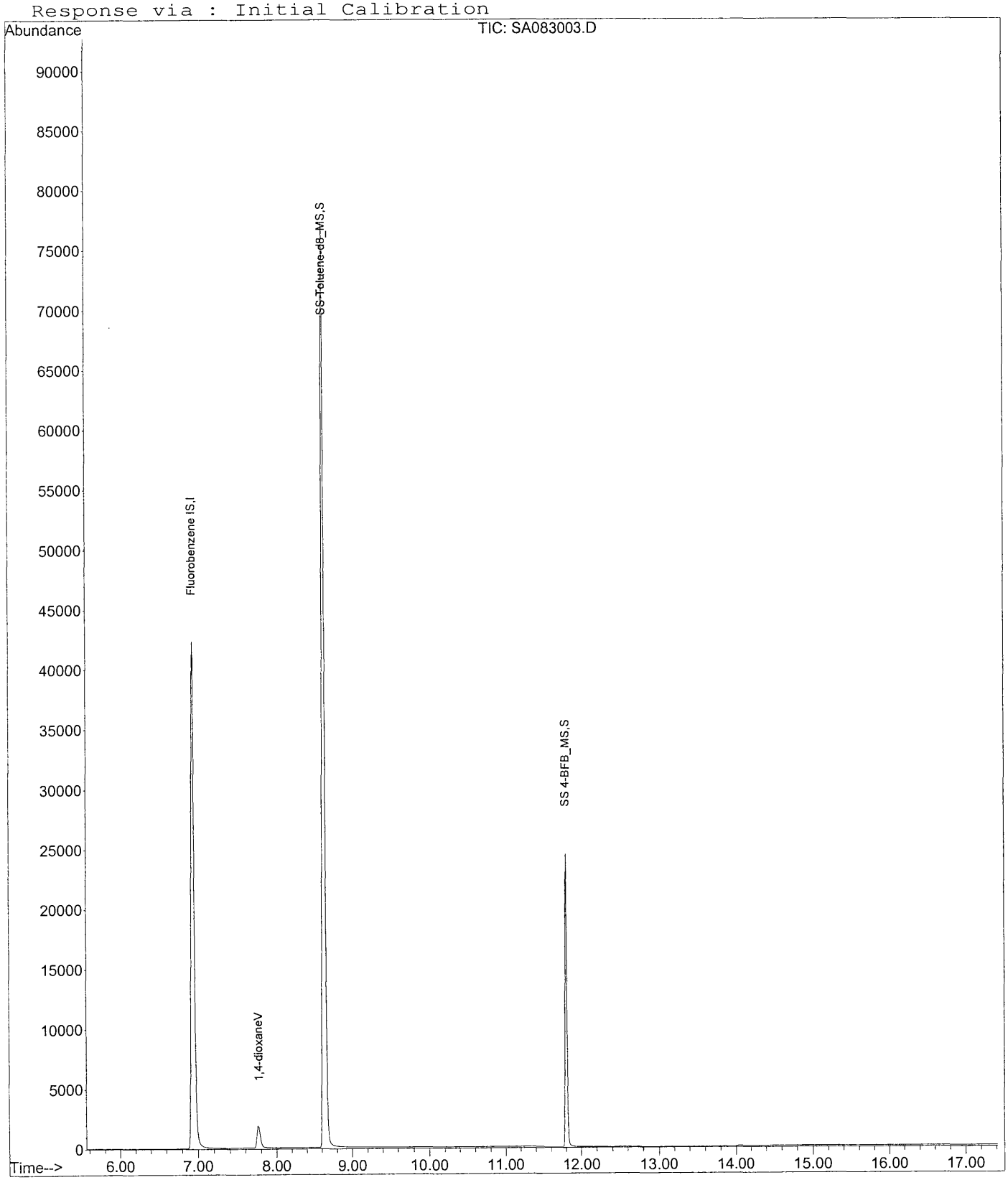
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	120477	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	130329	10.49	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.93%			
4) SS 4-BFB_MS	11.80	95	42604	11.17	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.73%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3633	5.946	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3010\SA083003.D Vial: 3
Acq On : 30 Aug 2010 11:51 am Operator:
Sample : STD 5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 12:25 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG3010\SA083004.D Vial: 4
Acq On : 30 Aug 2010 12:39 pm Operator:
Sample : BLANK Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 13:24:37 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

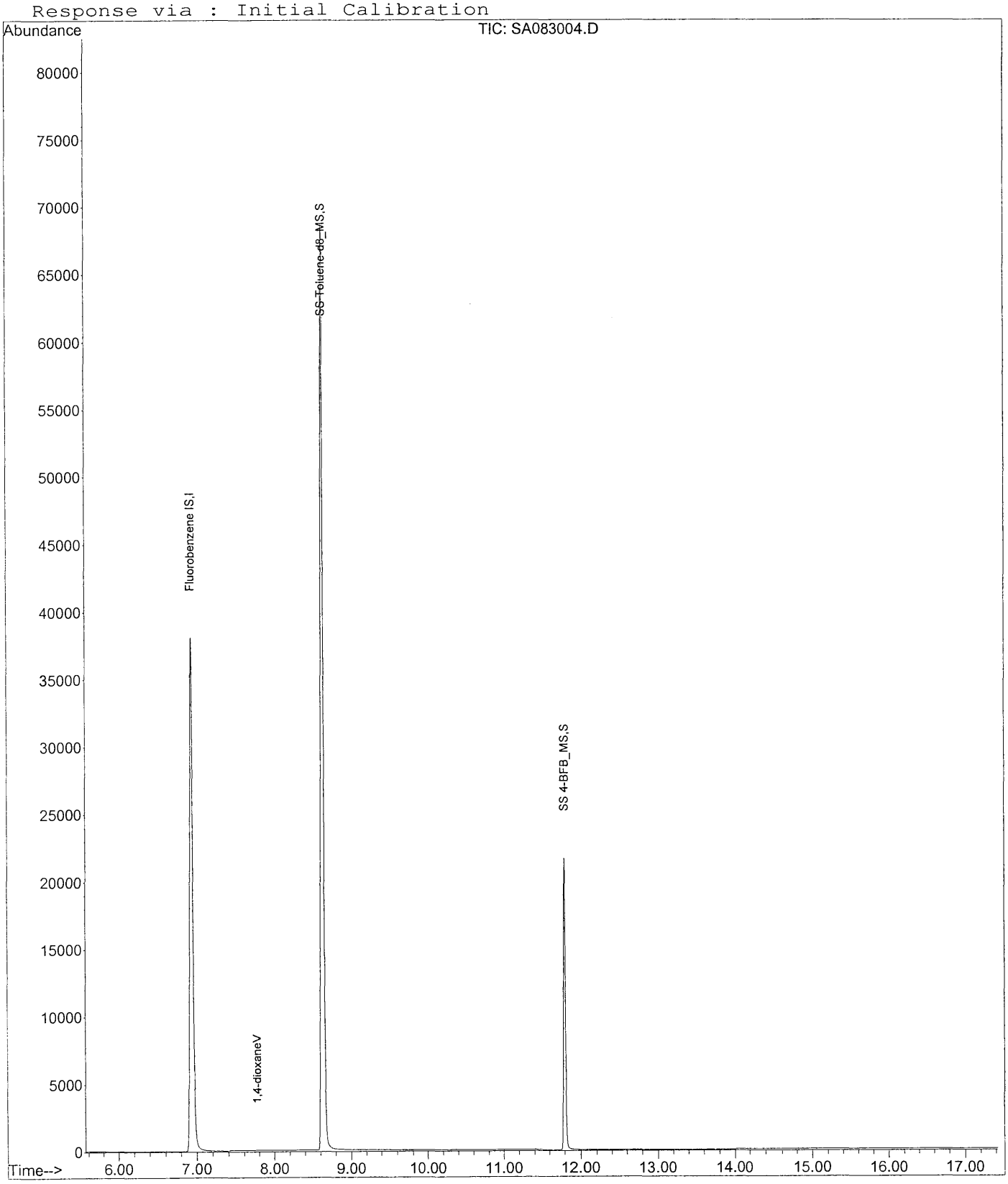
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	105504	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	112723	10.36	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.64%			
4) SS 4-BFB_MS	11.80	95	36897	11.05	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.49%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	73	0.136	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG3010\SA083004.D Vial: 4
Acq On : 30 Aug 2010 12:39 pm Operator:
Sample : BLANK Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 13:24 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3010\SA083005.D Vial: 5
Acq On : 30 Aug 2010 1:26 pm Operator:
Sample : LCS 5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 16:15:09 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

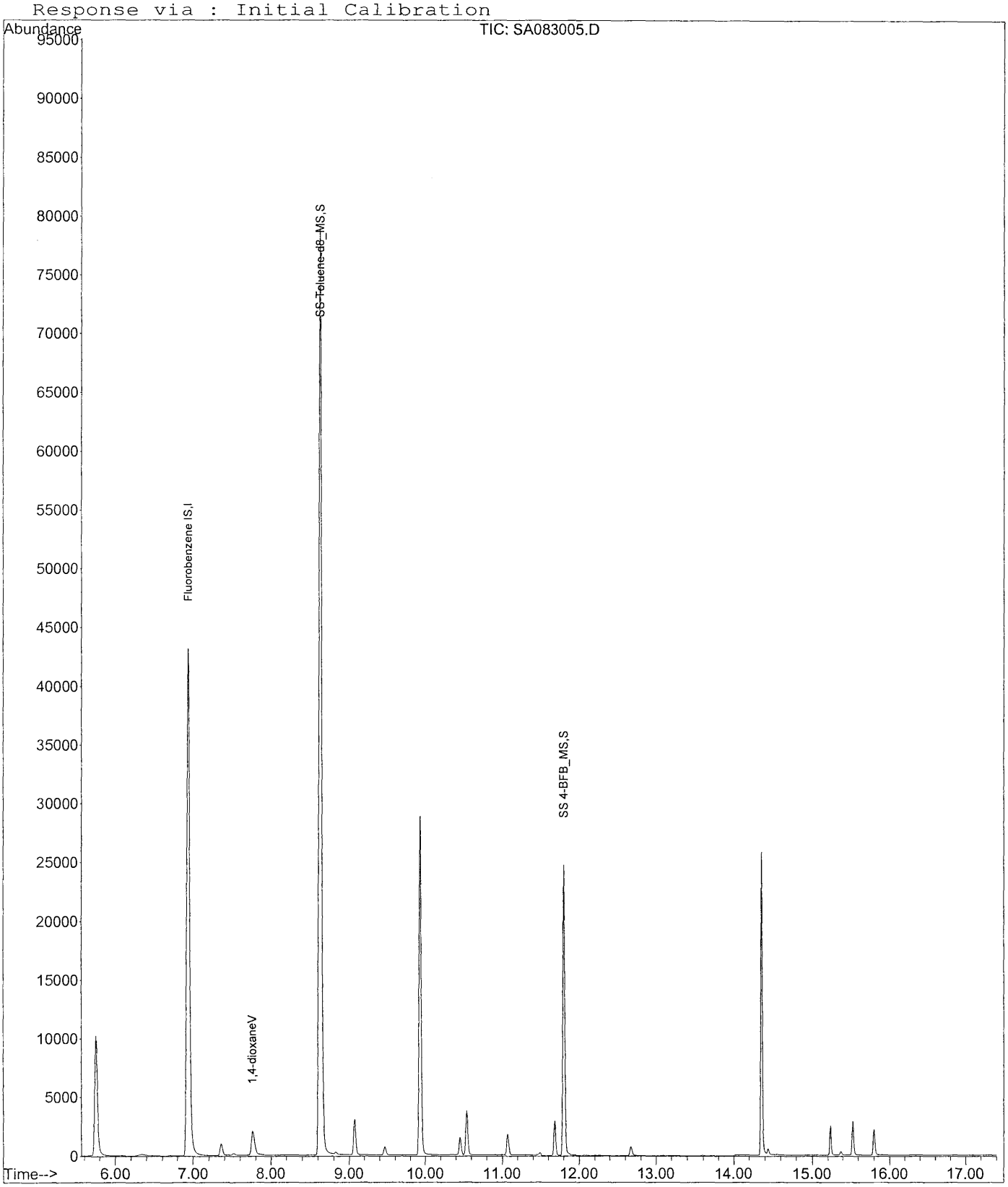
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.93	96	119562	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	130453	10.58	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.84%			
4) SS 4-BFB_MS	11.80	95	41858	11.06	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.61%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	3666m	6.046	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3010\SA083005.D Vial: 5
Acq On : 30 Aug 2010 1:26 pm Operator:
Sample : LCS 5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 16:16 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3010\SA083006.D Vial: 6
Acq On : 30 Aug 2010 2:13 pm Operator:
Sample : LCSD 5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 16:15:20 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

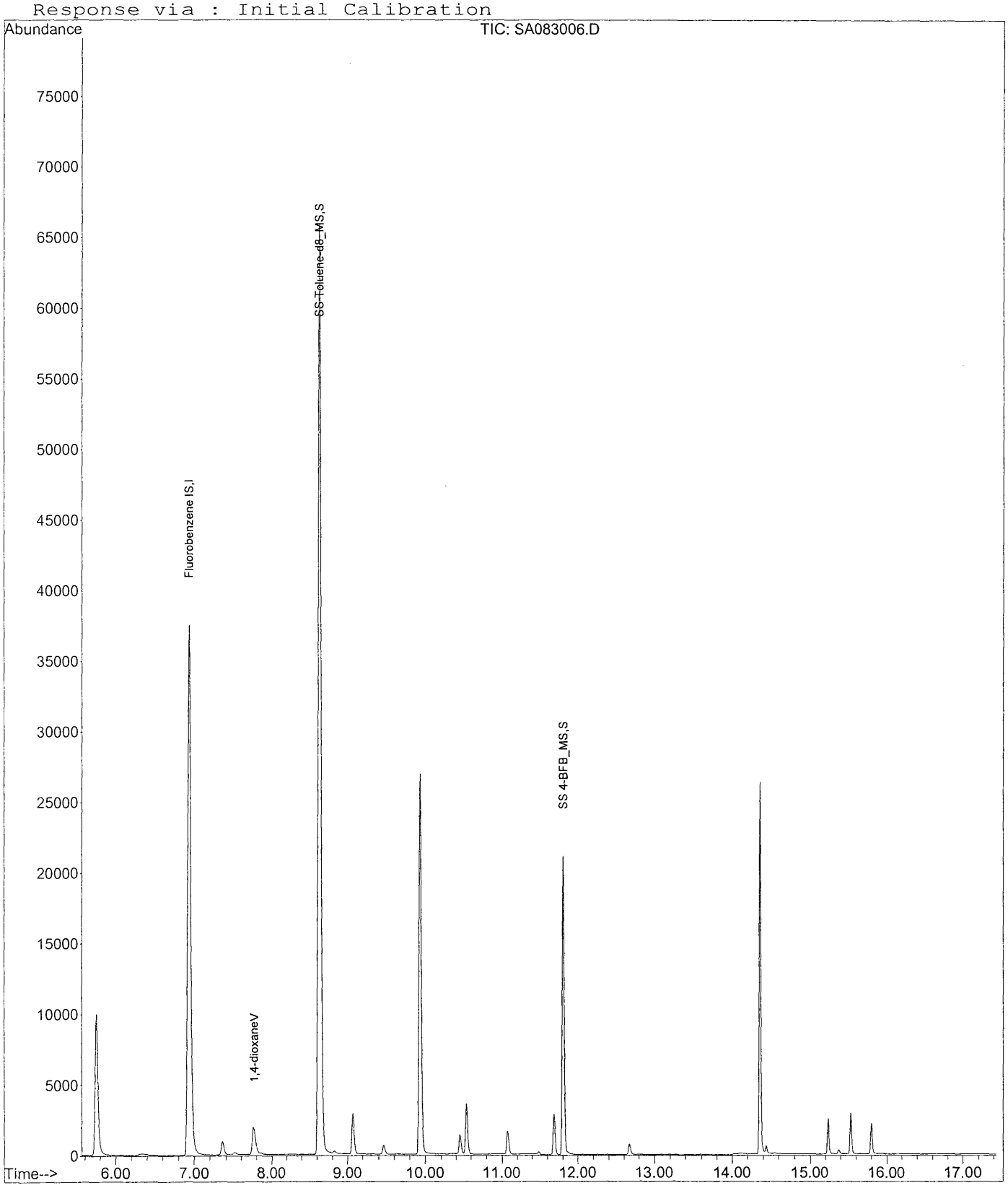
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	105676	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	114082	10.47	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.72%			
4) SS 4-BFB_MS	11.81	95	36955	11.05	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.49%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3421m	6.383	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG3010\SA083006.D Vial: 6
Acq On : 30 Aug 2010 2:13 pm Operator:
Sample : LCSD 5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 30 16:16 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG3010\SA083009.D Vial: 9
Acq On : 30 Aug 2010 4:33 pm Operator:
Sample : 92079.01 Inst : VOAMS2
Misc : X20;5mL; RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 09:16:56 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	119764	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	128099	10.38	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.75%			
4) SS 4-BFB_MS	11.80	95	41924	11.06	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.60%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	4601	7.575	ug/L	90

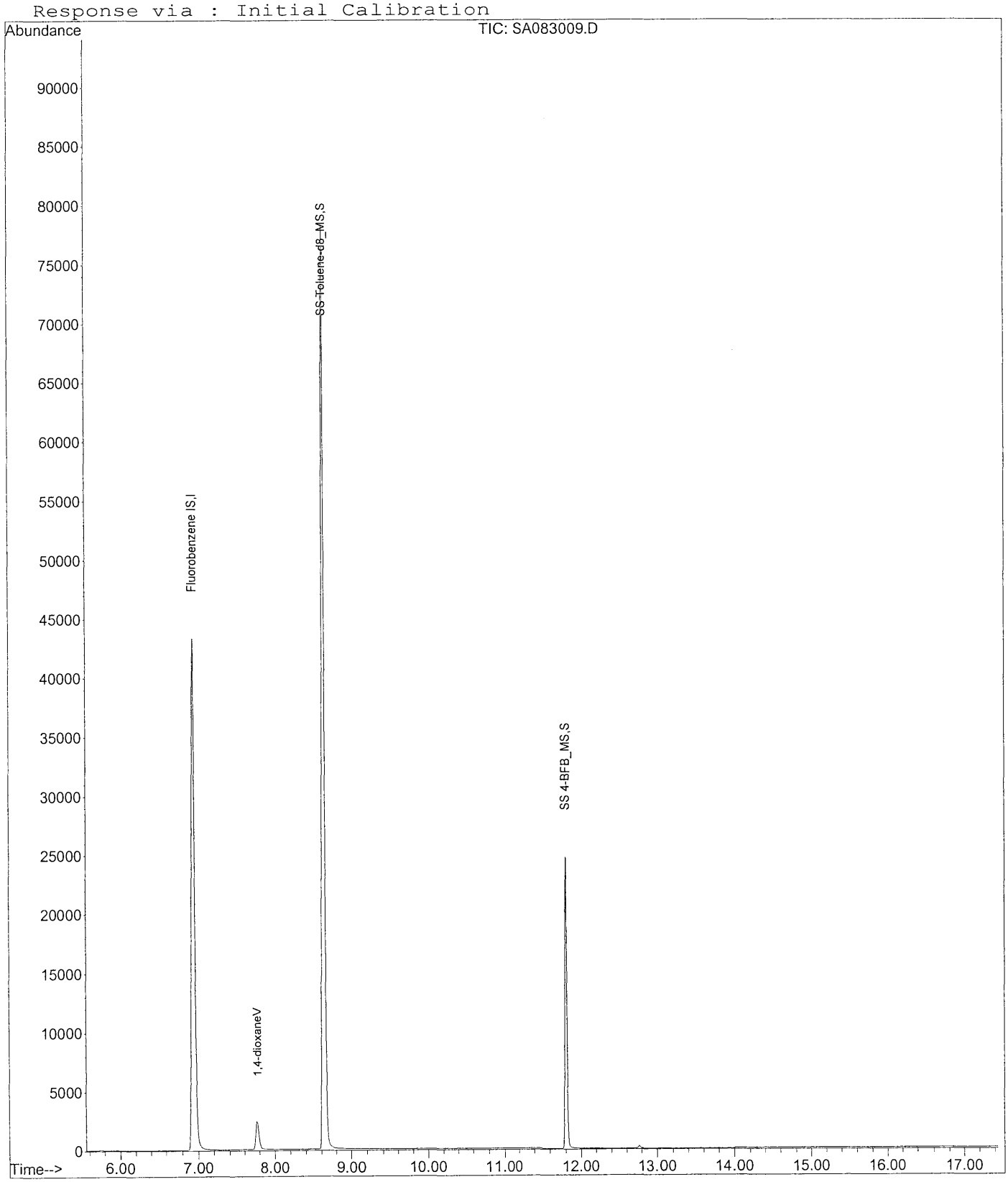
8/31/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA083009.D 2SIM0525.M Tue Aug 31 09:16:56 2010 Page 162

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG3010\SA083009.D Vial: 9
Acq On : 30 Aug 2010 4:33 pm Operator:
Sample : 92079.01 Inst : VOAMS2
Misc : X20;5mL; RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 9:16 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration

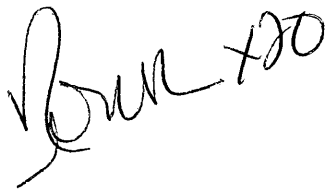


Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082513.D Vial: 12
Acq On : 25 Aug 2010 5:34 pm Operator:
Sample : 92079.01 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:46:30 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	133361	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	141979	10.33	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.27%			
4) SS 4-BFB_MS	11.81	95	45284	10.73	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.28%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	86796	128.323	ug/L	88

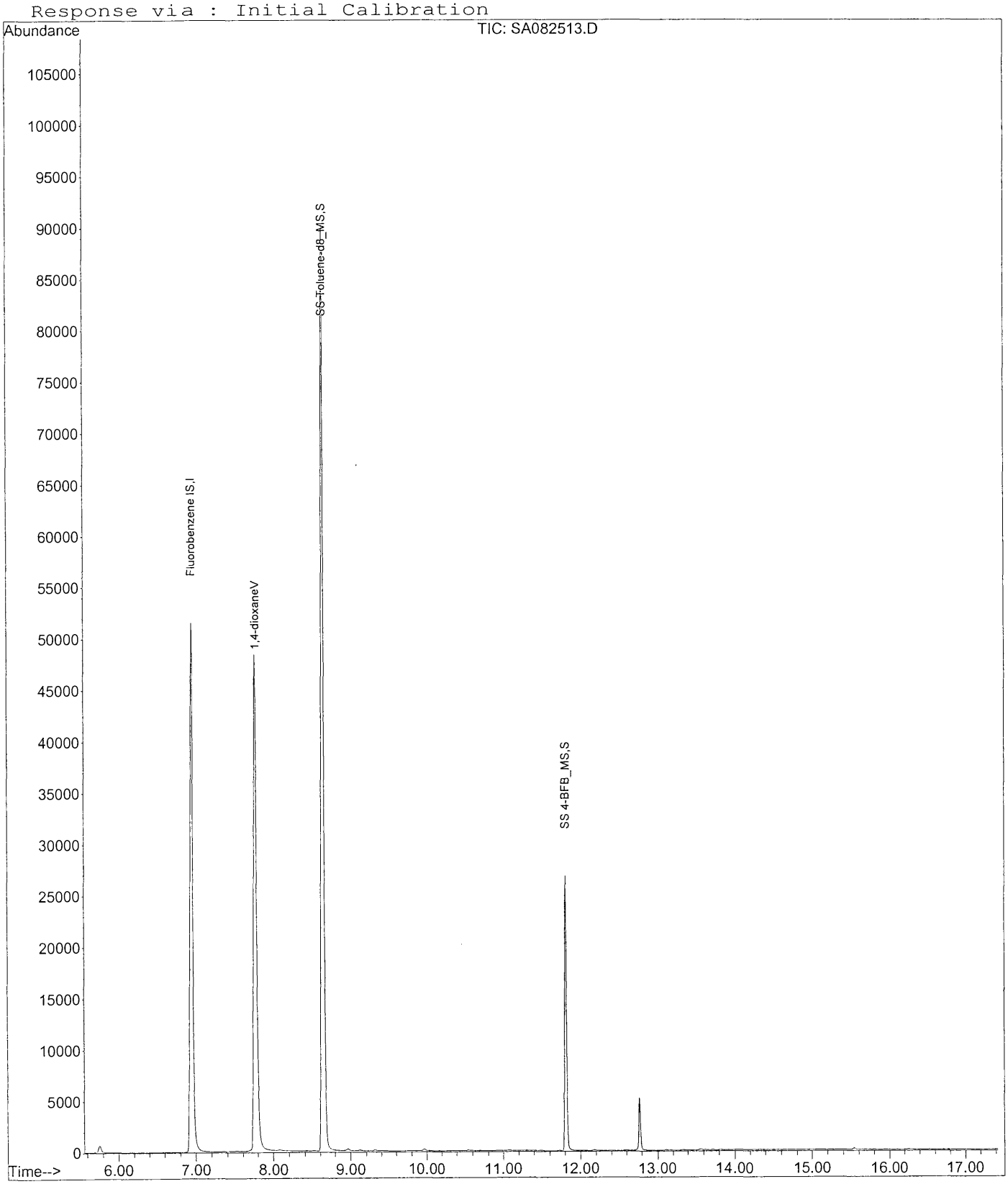


(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082513.D Vial: 12
Acq On : 25 Aug 2010 5:34 pm Operator:
Sample : 92079.01 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:46 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG3010\SA083007.D Vial: 7
Acq On : 30 Aug 2010 2:59 pm Operator:
Sample : 92079.02 Inst : VOAMS2
Misc : X1;5mL; RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 09:16:51 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	124546	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	133890	10.43	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.28%			
4) SS 4-BFB_MS	11.80	95	43101	10.93	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.34%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	14342	22.705	ug/L	94

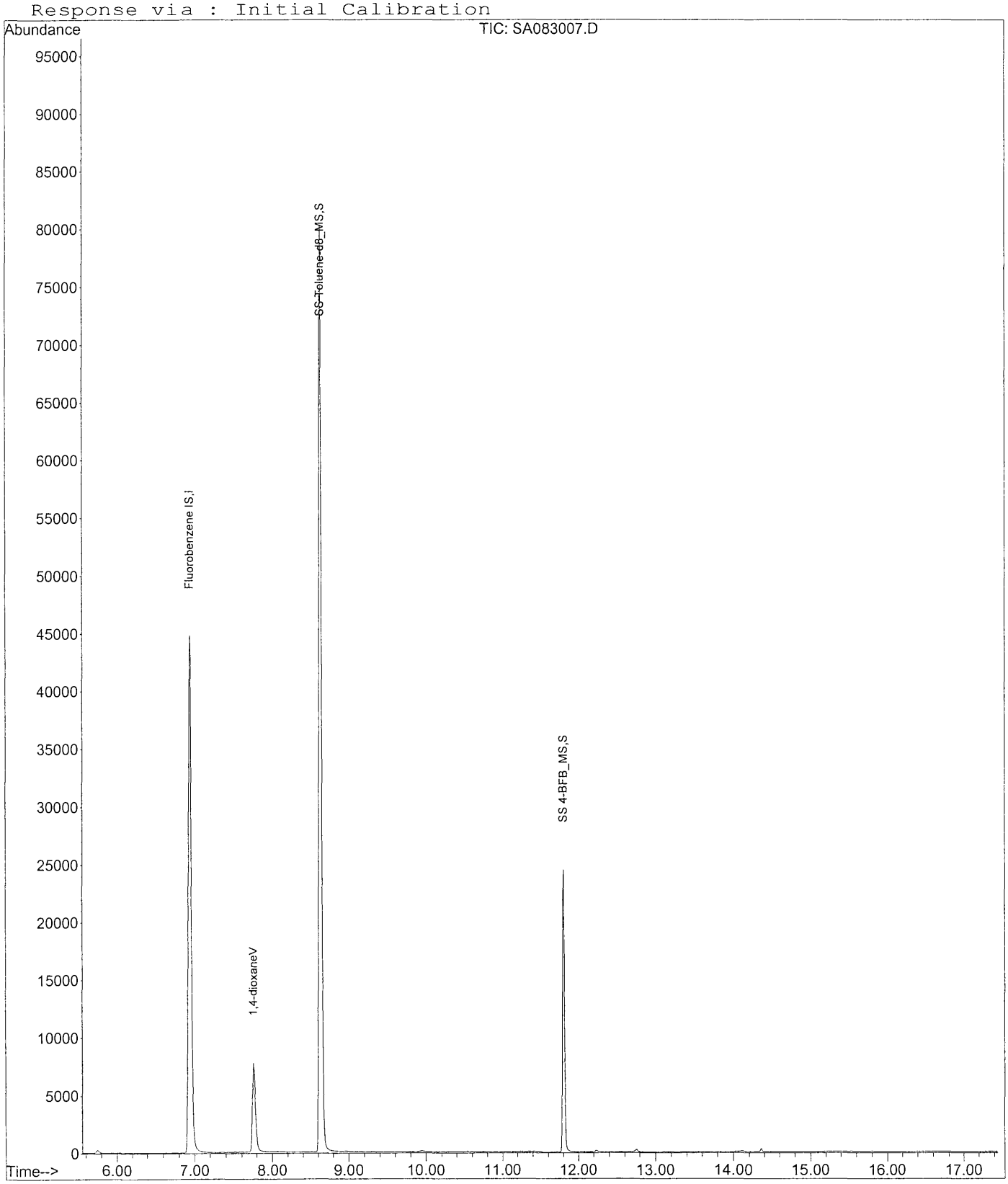
8/31/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG3010\SA083007.D Vial: 7
Acq On : 30 Aug 2010 2:59 pm Operator:
Sample : 92079.02 Inst : VOAMS2
Misc : X1;5mL; RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 9:16 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082514.D Vial: 13
Acq On : 25 Aug 2010 6:22 pm Operator:
Sample : 92079.02 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:46:32 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	142490	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	153194	10.43	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.29%			
4) SS 4-BFB_MS	11.81	95	48758	10.81	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.11%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	14729	20.381	ug/L	89

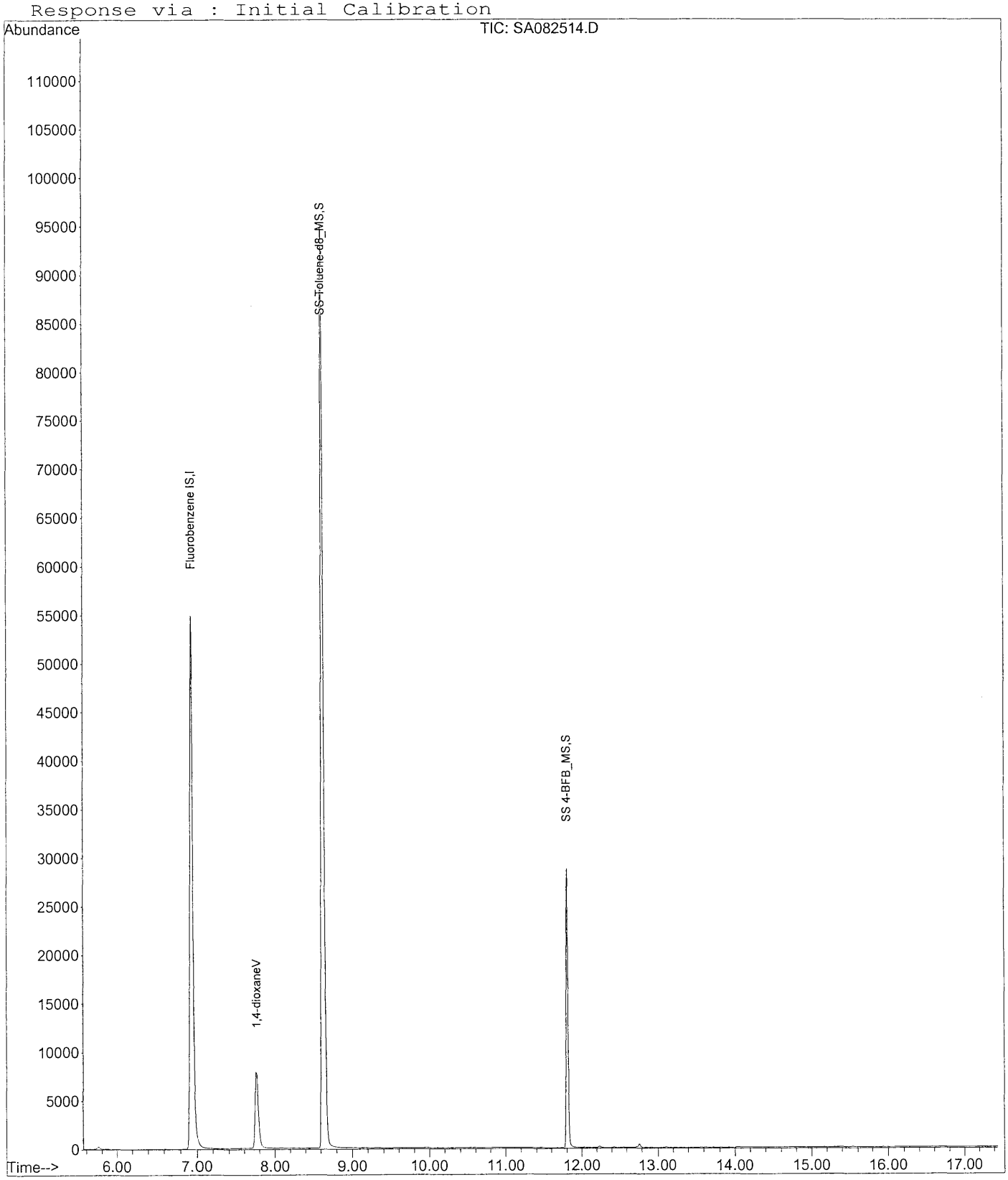
RSH C.O

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082514.D Vial: 13
Acq On : 25 Aug 2010 6:22 pm Operator:
Sample : 92079.02 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:46 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG3010\SA083008.D Vial: 8
Acq On : 30 Aug 2010 3:46 pm Operator:
Sample : 92079.03 Inst : VOAMS2
Misc : X1;5mL; RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 09:16:54 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	123718	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.63	98	135498	10.62	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.24%			
4) SS 4-BFB_MS	11.80	95	44303	11.31	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.14%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.76	88	15186	24.202	ug/L	93

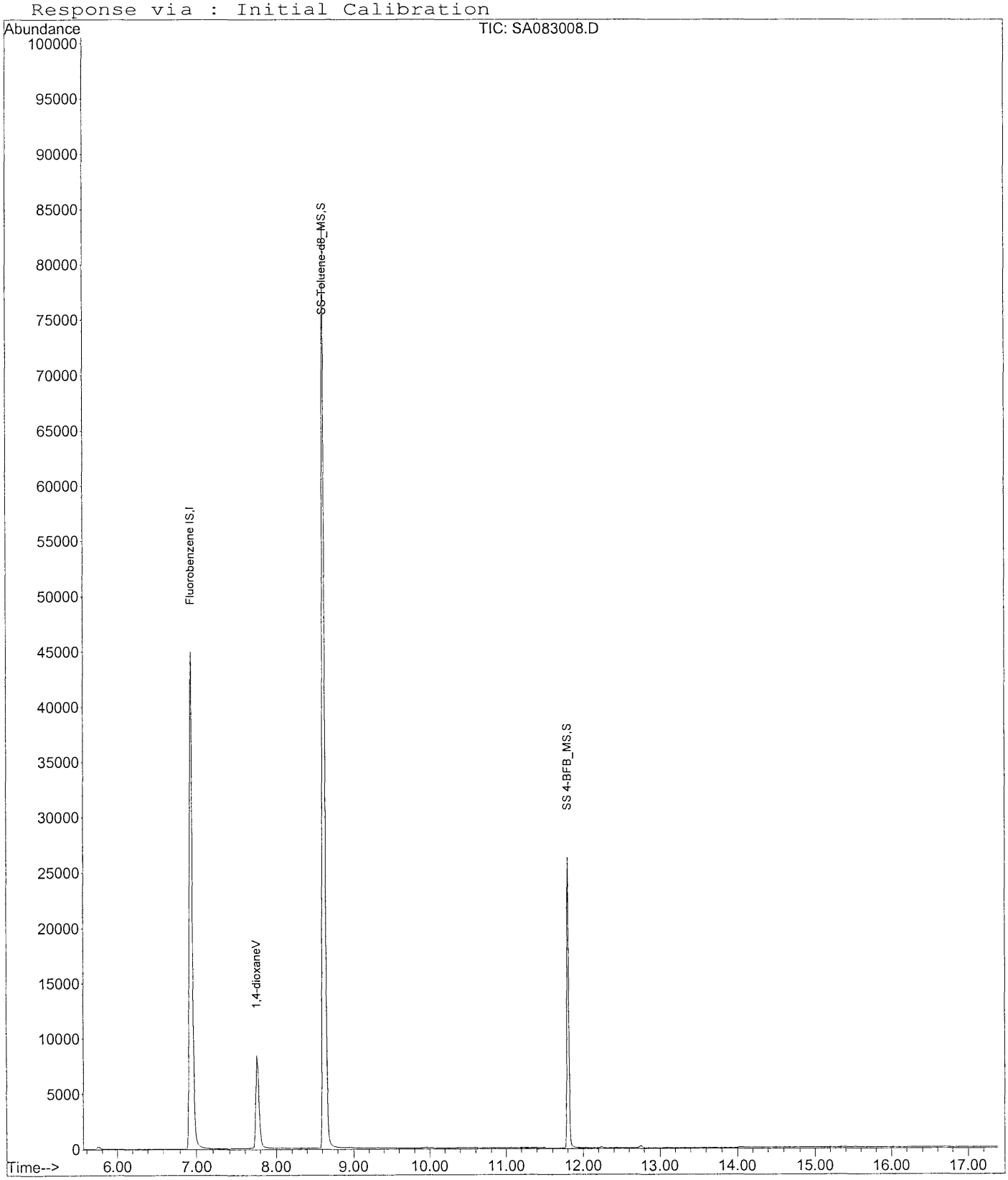
8/31/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA083008.D 2SIM0525.M Tue Aug 31 09:16:54 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG3010\SA083008.D Vial: 8
Acq On : 30 Aug 2010 3:46 pm Operator:
Sample : 92079.03 Inst : VOAMS2
Misc : X1;5mL; RR Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 31 9:16 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082515.D Vial: 14
Acq On : 25 Aug 2010 7:09 pm Operator:
Sample : 92079.03 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:46:33 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	141899	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	151471	10.35	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.54%			
4) SS 4-BFB_MS	11.81	95	48479	10.79	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.94%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	15110	20.995	ug/L	89

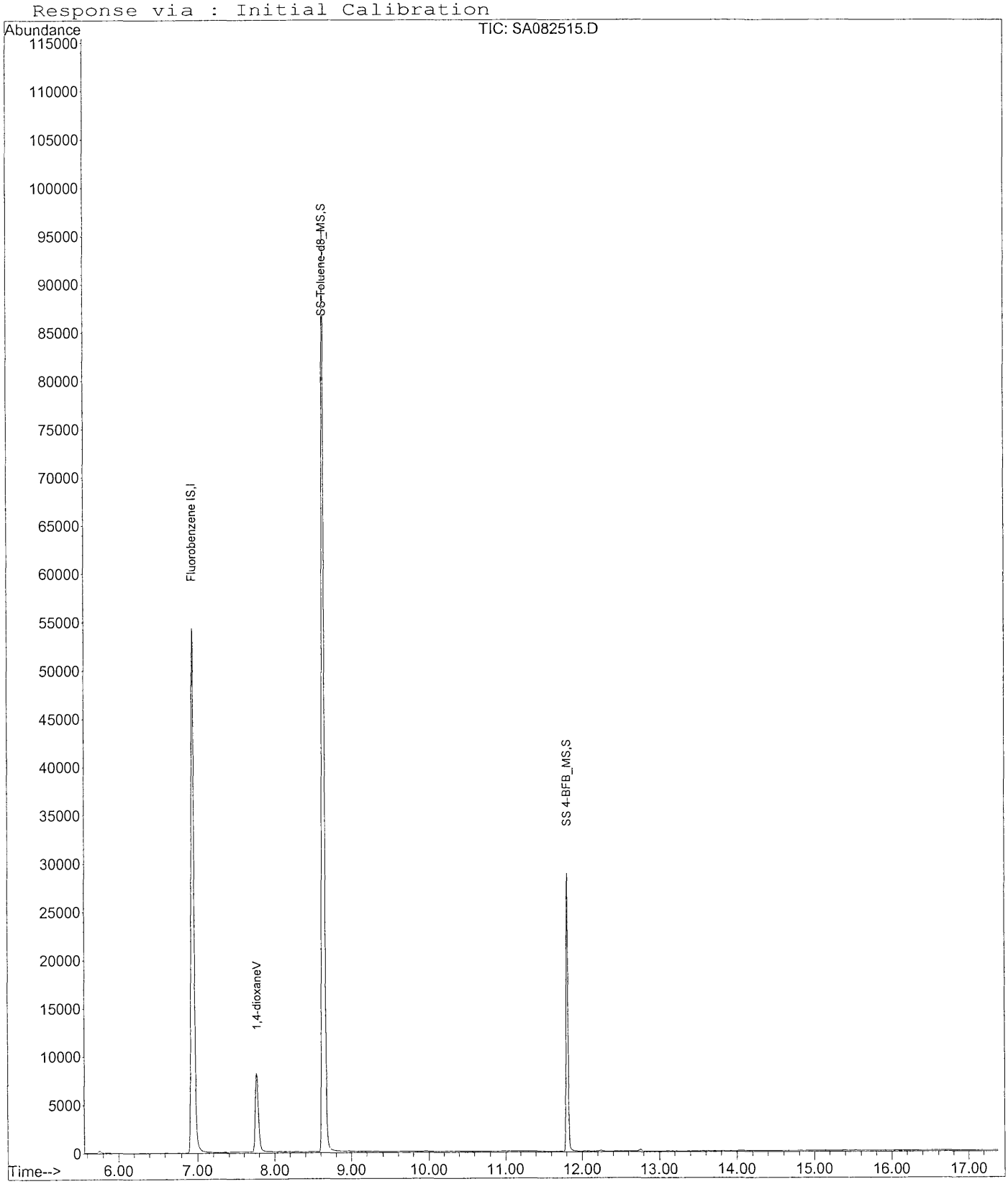
Rerun C.O.?

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082515.D Vial: 14
Acq On : 25 Aug 2010 7:09 pm Operator:
Sample : 92079.03 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:46 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



nQCBatch 73401561267

aQCPointers
BlnkA082510V82601
LCSaA082510V82601
LCSDA082510V82601

aQCBatchMembers

92049.24
92049.25
92049.27
92079.09
73401561241.08P
73401561253.05
73401561253.06

2SIM0525
ICAL 0.5-50ppb

CV DEV
none

IS area ok
12 hr tune ok
BLK ok
QC in Control
(5)RPD by %Rec

IS/SS ID= V- 3664
Standard ID= V- 3657
LCS/LCSD and/or MS/MSD Standard ID= V- 3598

Analyst: VG

Date: 8/25/10

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SAD082501	Blank		✓		x1	VOC NSI			
2	SAD082502	BFB		✓			VOC ↓			
3	3	STD5		✓			VOC SIM	2SIM0525		
4	4	Blank		✓			VOC			
5	5	LCS5		✓			VOC			
6	6	LCSD5		✓			VOC			
7	7	92049.17		✓			VOC			
8	8	17MS		✓			VOC			
9	9	17MSD		✓			VOC			
10	10	24		✓			VOC			
11	11	25		✓			VOC			
12	12	27		✓			VOC			
13	13	92079.01		✓			VOC			
14	14	02		✓			VOC			
15	15	03		✓			VOC			
16	16	09		✓		↓	VOC ↓			
17	17	STD0.25		✓			VOC			
							VOC			
							VOC			
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							VOC			

Samples removed from autosampler ✓, order ✓ verified by Blue 8/30/10 1-17

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\AUG2510\SA082502.D
Tune Time : 25 Aug 2010 8:51 am

Daily Calibration File : V:\1\DATA\AUG2510\SA082503.D

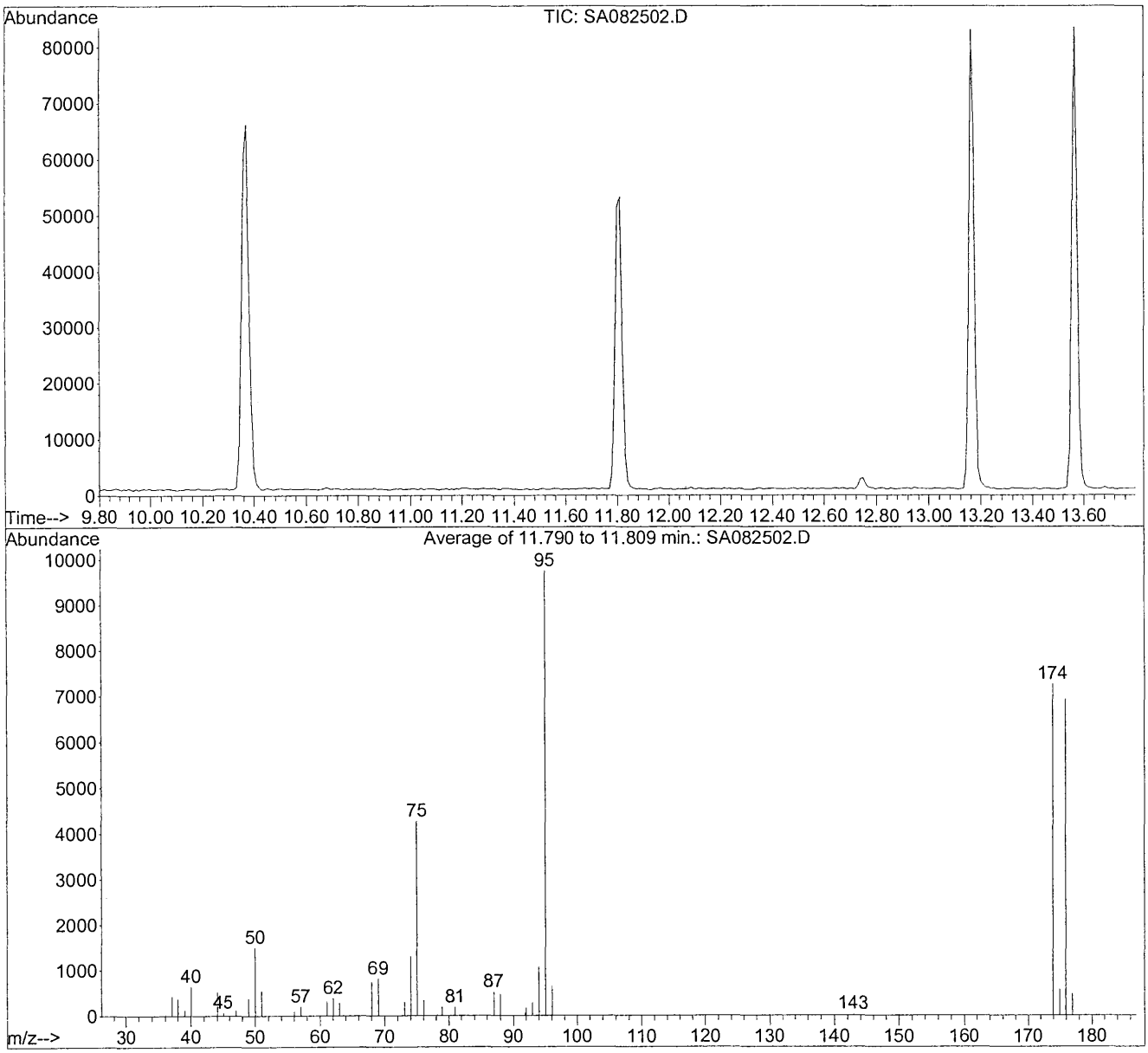
					129826
File	Sample	Surrogate Recovery %			Internal Standard Responses
SA082503.D	STD5	103	107		129826
SA082504.D	BLANK	102	105		119903
SA082505.D	LCS5	103	106		129615
SA082506.D	LCSD5	103	108		122482
SA082507.D	92049.17	103	106		121377
SA082508.D	92049.17	104	108		150154
SA082509.D	92049.17	105	109		159101
SA082510.D	92049.24	104	107		142820
SA082511.D	92049.25	102	106		134414
SA082512.D	92049.27	103	107		124799
SA082513.D	92079.01	103	107		133361
SA082514.D	92079.02	104	108		142490
SA082515.D	92079.03	104	108		141899
SA082516.D	92079.09	102	106		140749
SA082517.D	STD0.25	103	106		119398

t - fails 12hr time check * - fails criteria

Created: Thu Aug 26 09:55:49 2010 VOAMS2

Data File : V:\1\DATA\AUG2510\SA082502.D
Acq On : 25 Aug 2010 8:51 am
Sample : BFB
Misc : X1;5mL
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09

Vial: 2
Operator:
Inst : VOAMS2
Multiplr: 1.00



Spectrum Information: Average of 11.790 to 11.809 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	1502	PASS
75	95	30	60	43.8	4271	PASS
95	95	100	100	100.0	9756	PASS
96	95	5	9	6.7	649	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.4	7262	PASS
175	174	5	9	7.8	567	PASS
176	174	95	101	95.3	6921	PASS
177	176	5	9	6.8	471	PASS

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\AUG2510\SA082503.D Vial: 2
Acq On : 25 Aug 2010 9:38 am Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
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	58	0.00
2		1,4-dioxaneV	5.000	5.710	-14.2	75	0.00
3	S	SS Toluene-d8_MS	10.000	10.260	-2.6	60	0.00
4	S	SS 4-BFB_MS	10.000	10.664	-6.6	63	0.00

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082503.D Vial: 2
Acq On : 25 Aug 2010 9:38 am Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 09:57:06 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

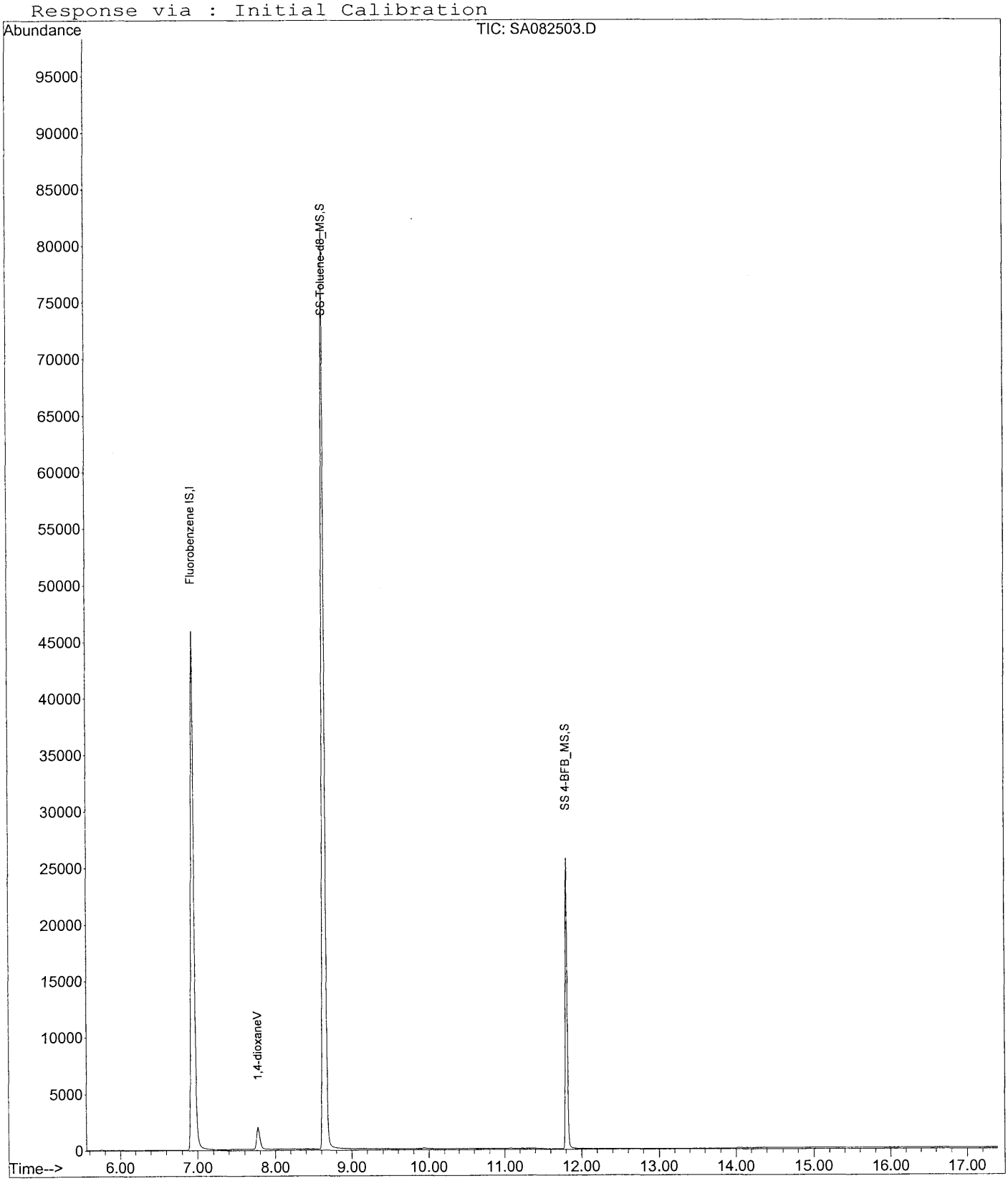
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	129826	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	137320	10.26	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.60%			
4) SS 4-BFB_MS	11.81	95	43820	10.66	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.64%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3760	5.710	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082503.D Vial: 2
Acq On : 25 Aug 2010 9:38 am Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 25 9:57 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082504.D Vial: 3
Acq On : 25 Aug 2010 10:25 am Operator:
Sample : BLANK Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:45:24 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

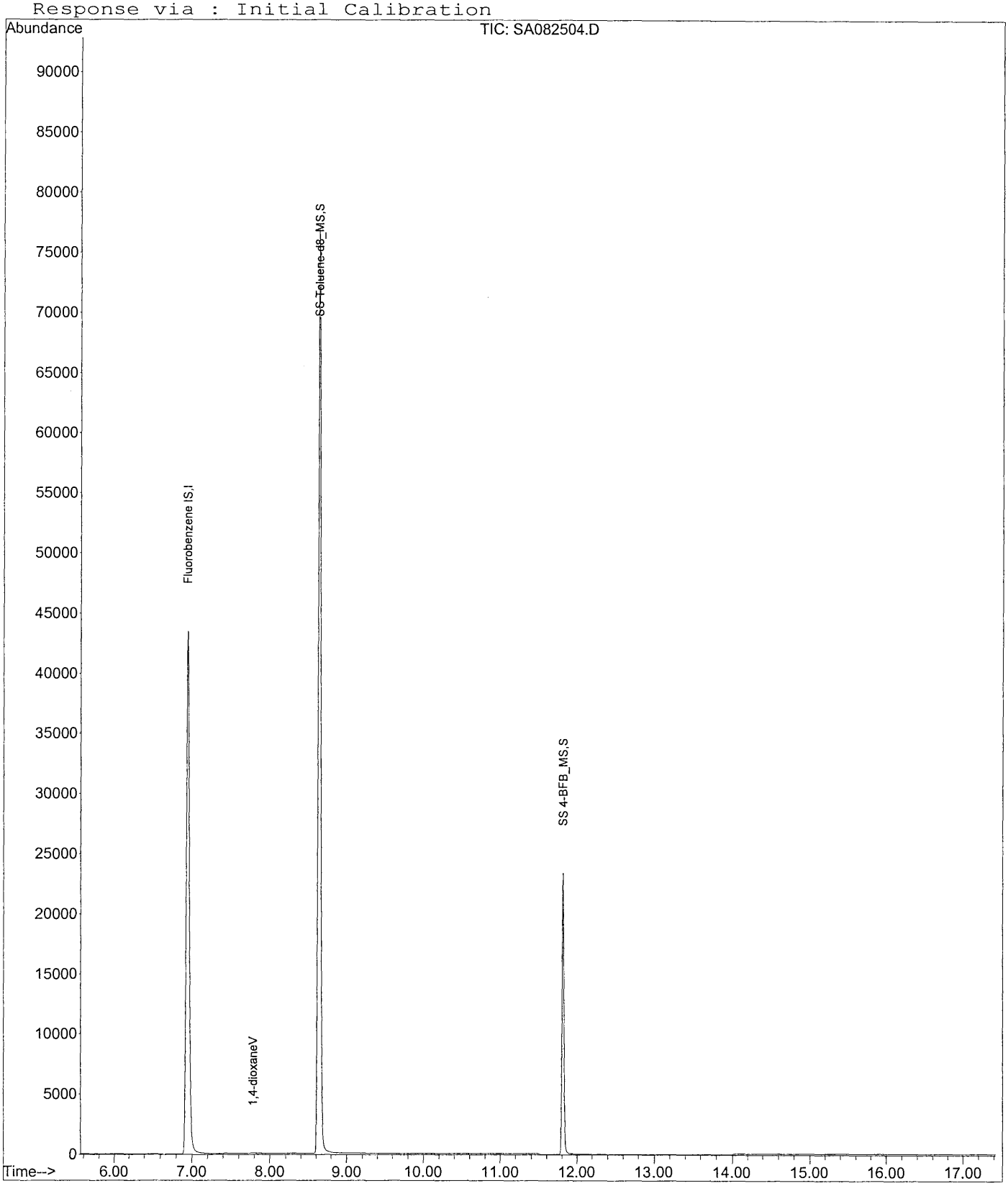
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	119903	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	126182	10.21	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.08%			
4) SS 4-BFB_MS	11.81	95	39989	10.54	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.37%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.79	88	69	0.113	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082504.D Vial: 3
Acq On : 25 Aug 2010 10:25 am Operator:
Sample : BLANK Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:45 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082505.D Vial: 4
Acq On : 25 Aug 2010 11:13 am Operator:
Sample : LCS5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:45:35 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

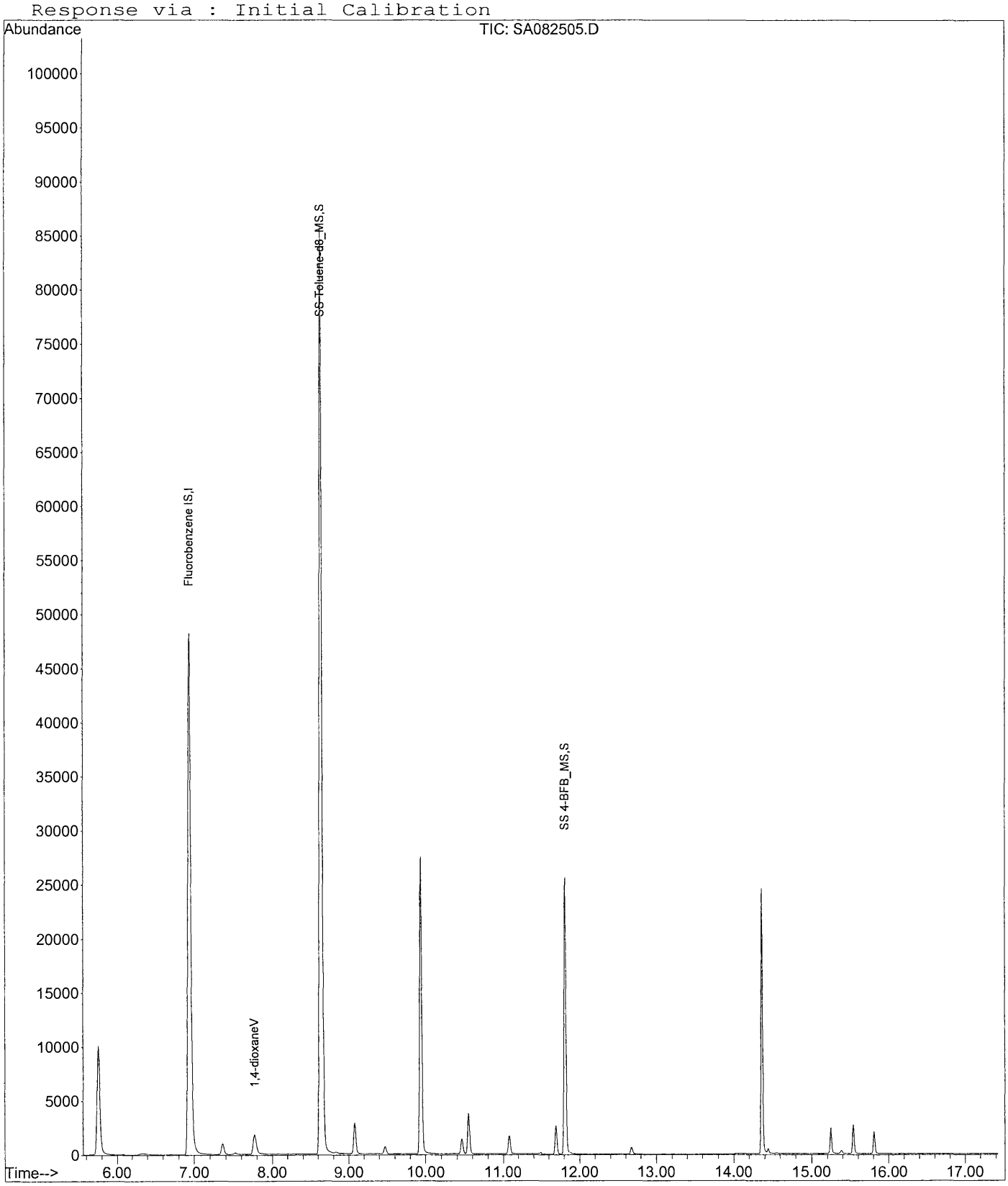
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	129615	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	137421	10.28	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.84%			
4) SS 4-BFB_MS	11.81	95	43383	10.57	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.75%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3296m	5.014	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082505.D Vial: 4
Acq On : 25 Aug 2010 11:13 am Operator:
Sample : LCS5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 10:14 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082506.D Vial: 5
Acq On : 25 Aug 2010 12:00 pm Operator:
Sample : LCSD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:45:45 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

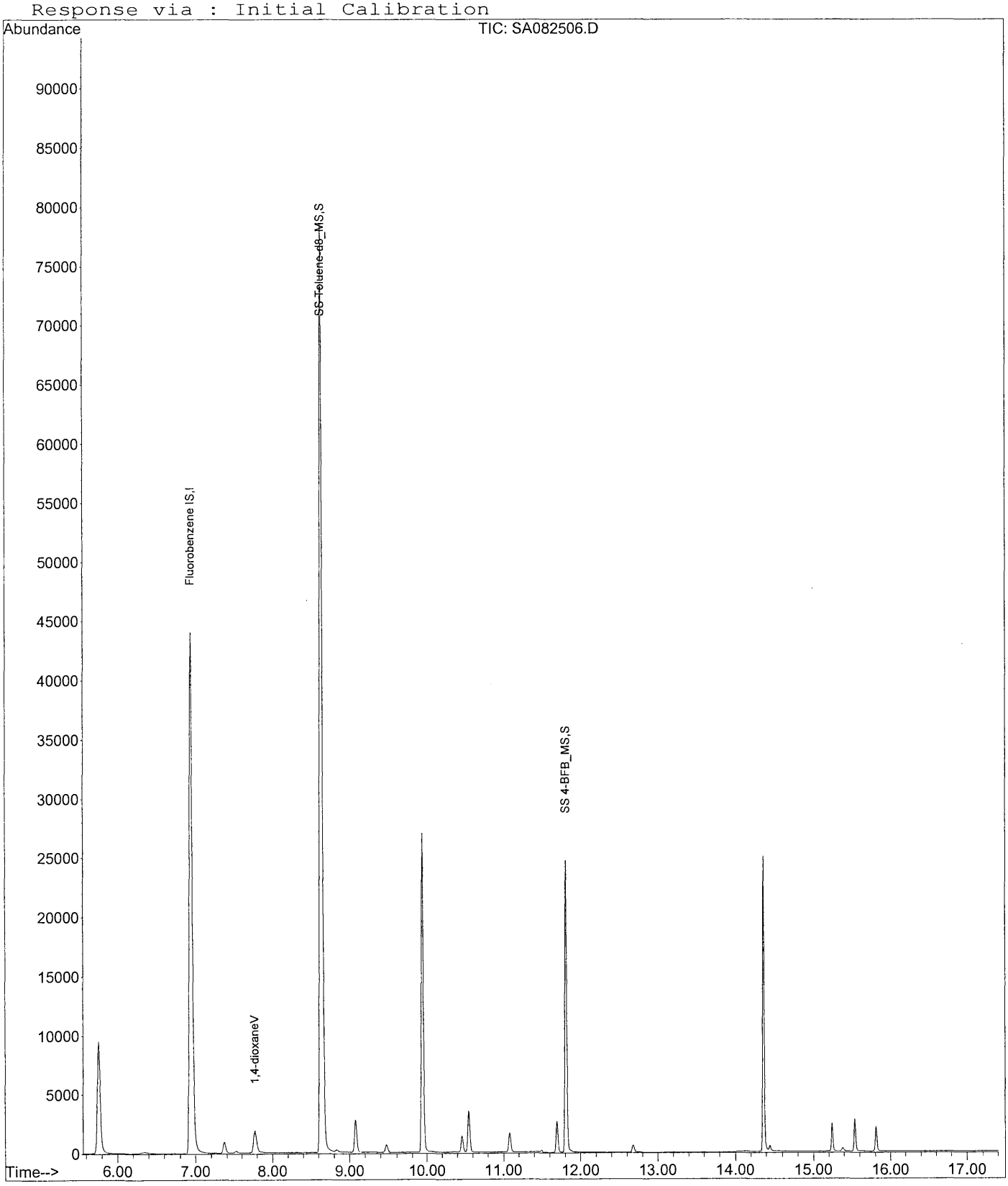
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	122482	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	130644	10.35	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.46%			
4) SS 4-BFB_MS	11.81	95	41792	10.78	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.80%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	3407m	5.484	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\AUG2510\SA082506.D Vial: 5
Acq On : 25 Aug 2010 12:00 pm Operator:
Sample : LCSD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 10:14 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082516.D Vial: 15
Acq On : 25 Aug 2010 7:57 pm Operator:
Sample : 92079.09 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 09:46:35 2010 Quant Results File: 2SIM0525.RES

Quant Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.94	96	140749	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.64	98	148624	10.24	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.43%			
4) SS 4-BFB_MS	11.81	95	47006	10.55	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.52%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.77	88	170	0.238	ug/L	94

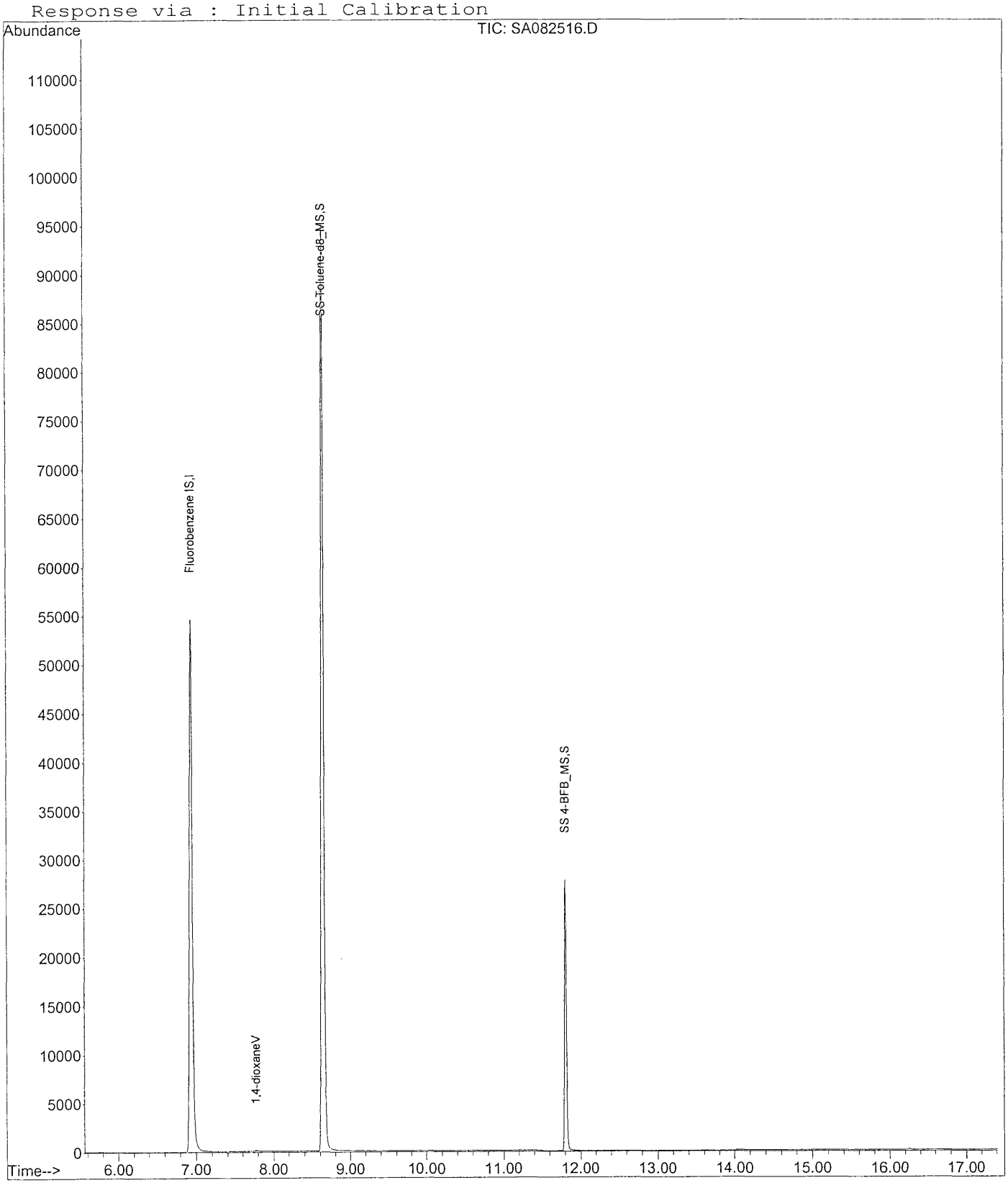
8/26/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\AUG2510\SA082516.D Vial: 15
Acq On : 25 Aug 2010 7:57 pm Operator:
Sample : 92079.09 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Aug 26 9:46 2010 Quant Results File: 2SIM0525.RES

Method : V:\1\METHODS\2009\2SIM0525.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Wed May 26 10:18:17 2010
Response via : Initial Calibration



504/8011

Batch QC & Sample Data

EDB/DBCP PrepLog (EPA 504/8011)

Batch ID: A082310EDB1 Start Time/Date: 12:00 8/23/10 Stop Time/Date: 12:00 8/24/10

Matrix: Aqueous Prep Type: Micro-extraction

#	Sample ID:	Sample Volume (mL)	Vol of Surrogate(A) (uL)	Vol of MDL Spike(B) (uL)	Vol of LFB Spike(C) (uL)	Vol of Calibration(D) (uL)	Hexane Final Volume (mL)	Sample Prep/Sample Extract Notes	LIMS (√)	Date	Analyst
1	EDB 0.01 ug/L	35	–	–	–	35	2			8/23/10	
2	0.02		–	–	–						
3	0.05		–	–	–						
4	0.075		–	–	–						
5	0.1		–	–	–						
6	0.25		–	–	–						
7	LCSA A082310EDB1		5	–	14	–					
8	LCSD			–	14	–					
9	MDLA			35	–	–					
10	BLNK			–	–	–					
11	92066.01			–	–	–					
12	0.3			–	–	–					
13	92079.01			–	–	–					
14	.02			–	–	–					
15	.03			–	–	–					
16											
17											
18											
19											
20											
21											
22								8/24/10			
23											
24											
25											
26											
27											
28											
29											
30											

A Surrogate Lot#: 5377 Expiration Date: 9-18-10 Hexane Lot#: 50083
B MDL Spike Lot#: 20646 Expiration Date: 4-1-12 Salt Lot#: 20060
C LFB Spike Lot#: 19463 Expiration Date: 5-21-12
D Calibration Lot#: 5383 Expiration Date: 9-18-10

EDB/HAA Instrument Run Log

Date: 8/23/10 Analyst: [signature] Data Folder: 082310

Vial	Sample Name	Dilution	Quant Method	Comments	Data File
100	HEXANE				SV1211-14
1	EDB 0.01 ug/L		EDB08230.M	✓	15
2	0.02			✓	16
3	0.05			✓	17
4	0.075			✓	18
5	0.1			✓	19
6	0.25			✓	20
7	LCSaA082310EDB1			✓	21
8	LCSD			✓	22
9	MDLa			✓	23
10	BLNK			✓	24
11	92066.01			✓	25
12	.03			✓	26
13	92079.01			✓	27
14	.02			✓	28
15	.03			✓	29
5	EDB 0.1 ug/L			✓	30

8/24/10

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12115.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12115.D\ECD2B.CH
Acq On : 23 Aug 2010 1:43 pm Operator:
Sample : EDB 0.01 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 13:52 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 13:51:35 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	1295	1135	0.003	0.005 #
Spiked Amount 0.100	Range 65 - 135		Recovery =		3.00%#	5.00%#
Target Compounds						
1) TM EDB	1.89	2.29	1363	735	0.018m	0.010m#
3) TM DBCP	3.92	4.36	1126	603	0.006m	0.003m#

✓ 08 24 10

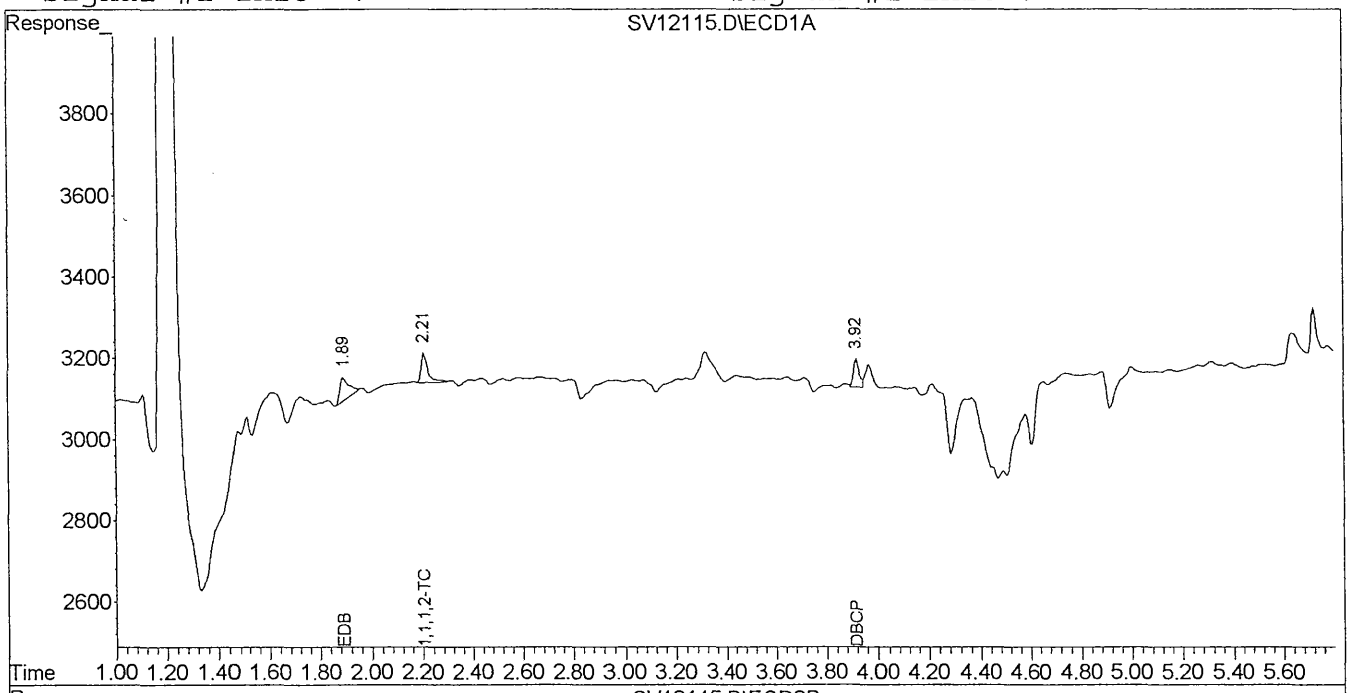
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

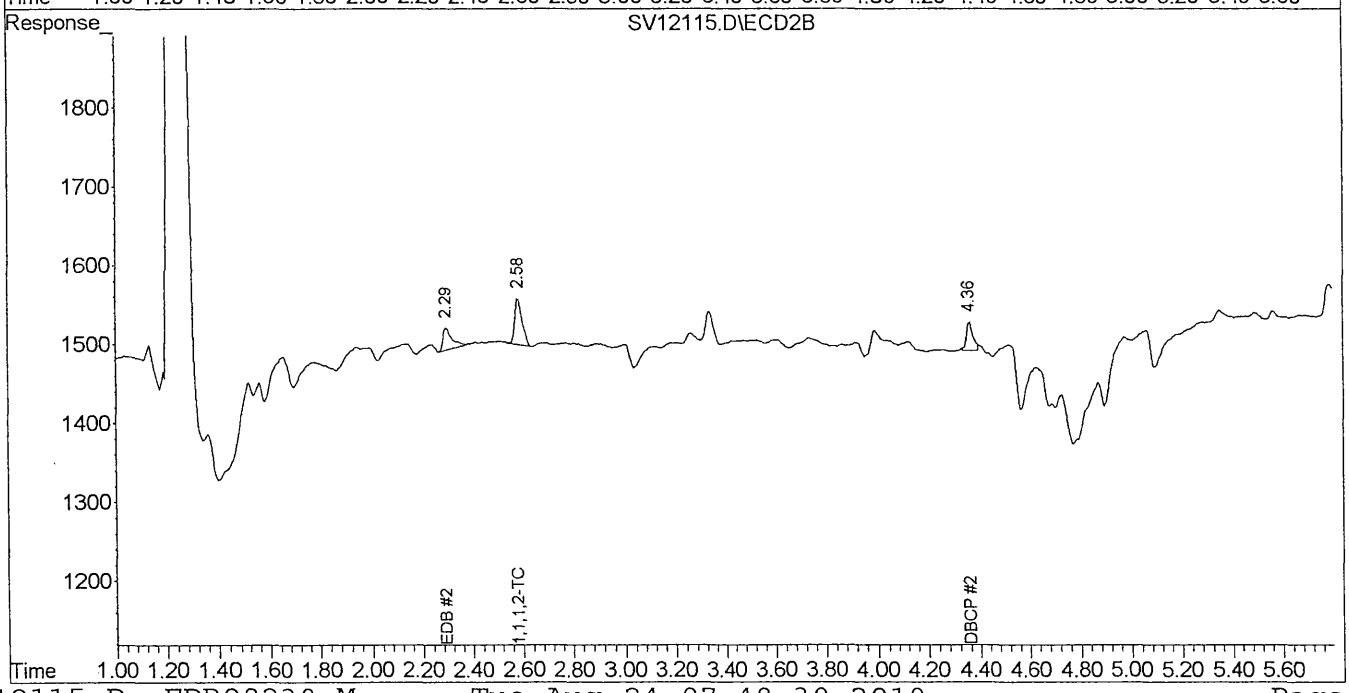
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12115.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12115.D\ECD2B.CH
Acq On : 23 Aug 2010 1:43 pm Operator:
Sample : EDB 0.01 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 23 13:52 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 23 13:51:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12116.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12116.D\ECD2B.CH
Acq On : 23 Aug 2010 1:58 pm Operator:
Sample : EDB 0.02 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:44 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:43:19 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	2428	2113	0.019	0.019
Spiked Amount 0.100	Range 65 - 135		Recovery =		19.00%#	19.00%#
Target Compounds						
1) TM EDB	1.89	2.29	2358	1239	0.024	0.017m#
3) TM DBCP	3.92	4.36	1894	1617	0.019	0.020m

✓
08240
✓

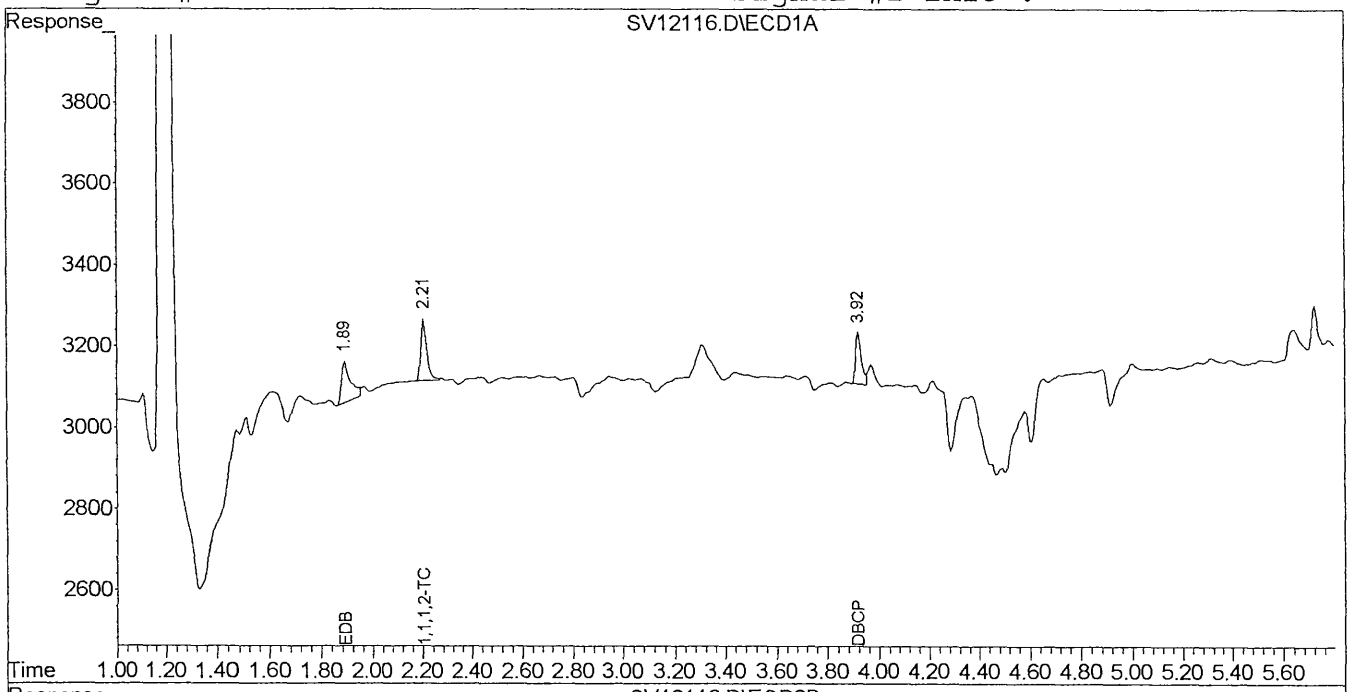
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

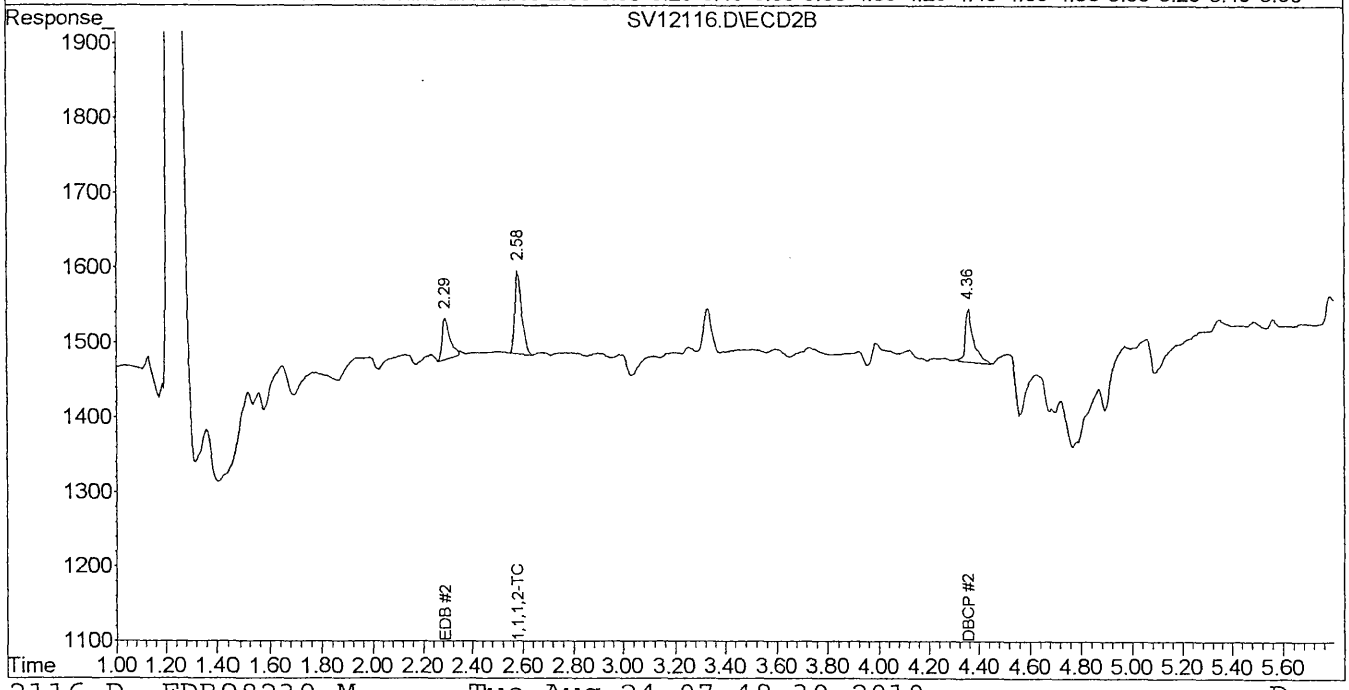
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12116.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12116.D\ECD2B.CH
Acq On : 23 Aug 2010 1:58 pm Operator:
Sample : EDB 0.02 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:44 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:43:19 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12117.D\ECD1A.CH Vial: 3
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12117.D\ECD2B.CH
Acq On : 23 Aug 2010 2:13 pm Operator:
Sample : EDB 0.05 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:37 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:36:30 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	6663	5301	0.053	0.048
Spiked Amount 0.100	Range 65 - 135		Recovery =		53.00%#	48.00%#
Target Compounds						
1) TM EDB	1.89	2.29	4350	3042	0.037	0.043m
3) TM DBCP	3.92	4.36	4640	3387	0.045	0.048m

0824/10

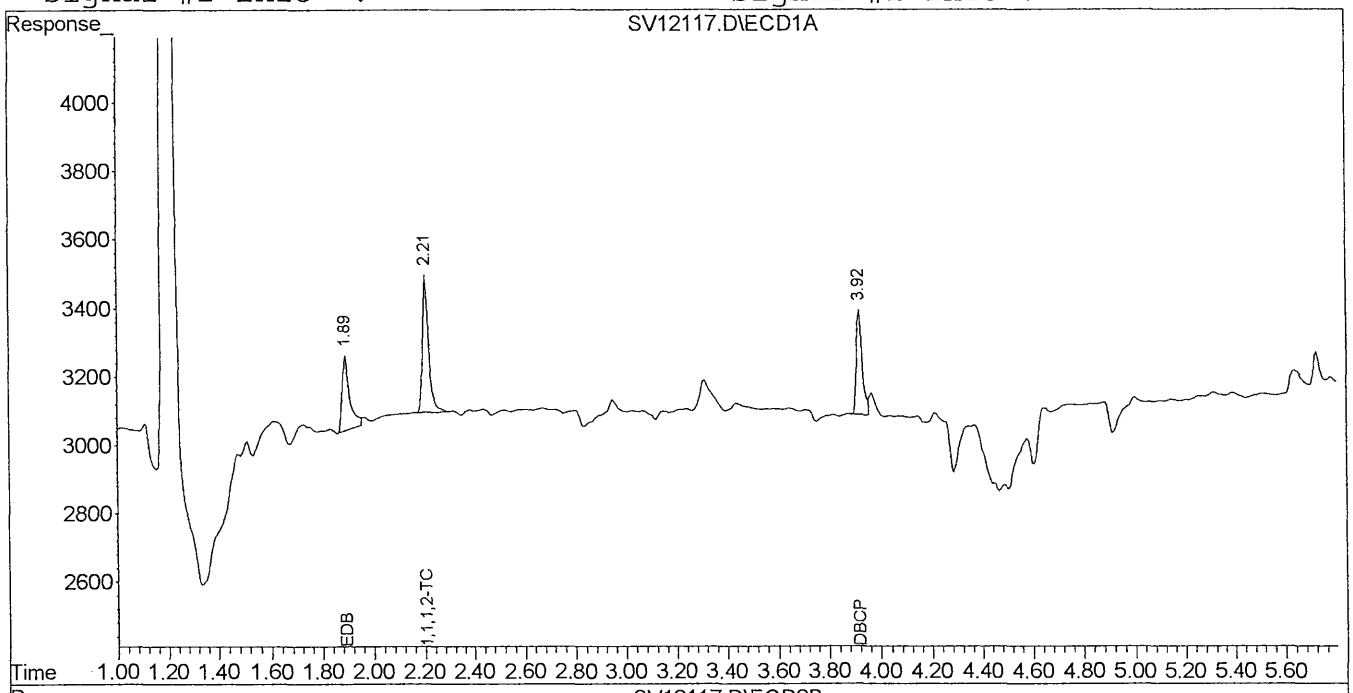
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

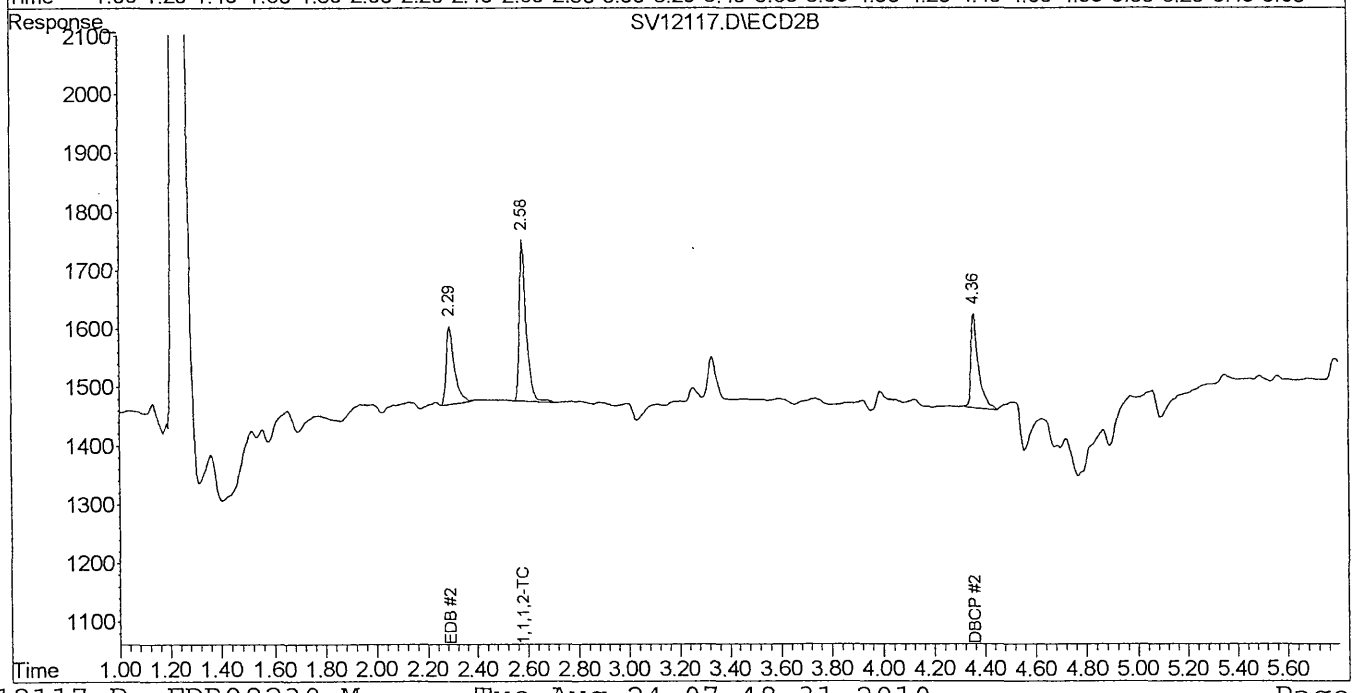
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12117.D\ECD1A.CH Vial: 3
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12117.D\ECD2B.CH
Acq On : 23 Aug 2010 2:13 pm Operator:
Sample : EDB 0.05 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:37 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:36:30 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12118.D\ECD1A.CH Vial: 4
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12118.D\ECD2B.CH
Acq On : 23 Aug 2010 2:28 pm Operator:
Sample : EDB 0.075 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:38 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:38:07 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	10003	8035	0.078	0.074
Spiked Amount 0.100	Range 65 - 135		Recovery =		78.00%	74.00%
Target Compounds						
1) TM EDB	1.89	2.29	5891	4655	0.055	0.069m#
3) TM DBCP	3.92	4.36	6853	4842	0.068	0.069m

08/24/10

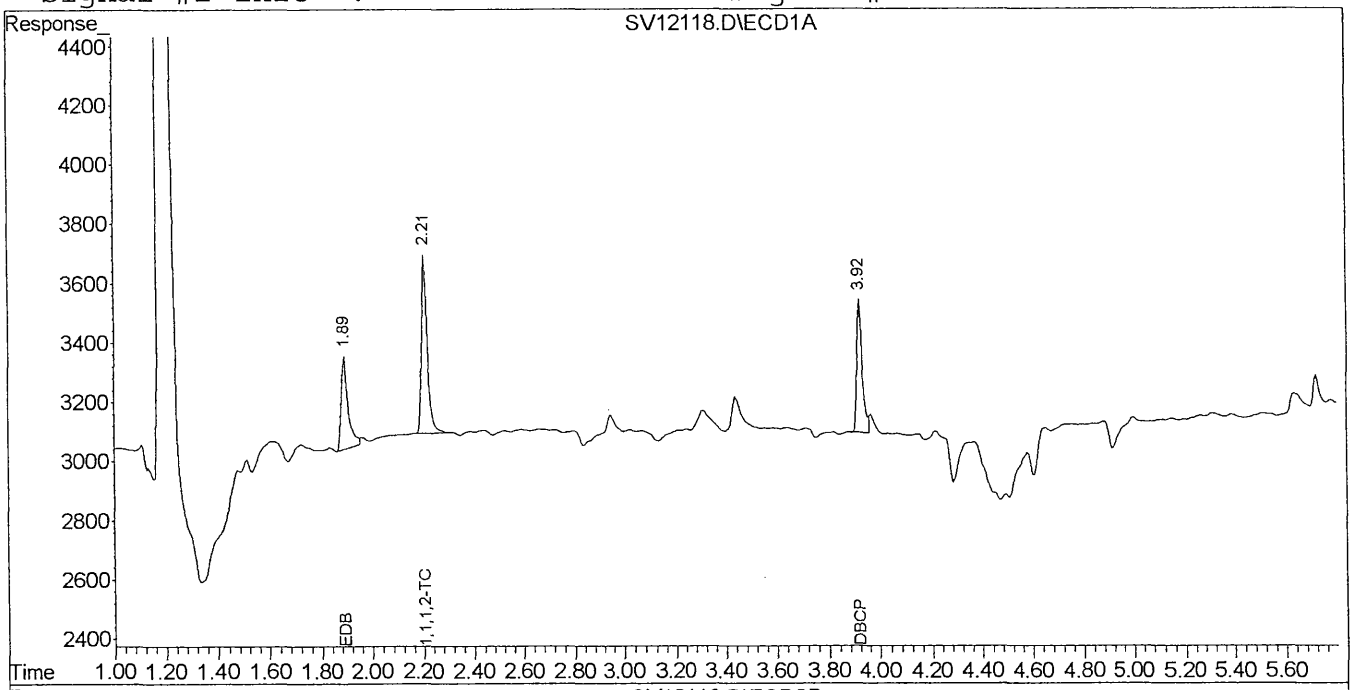
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

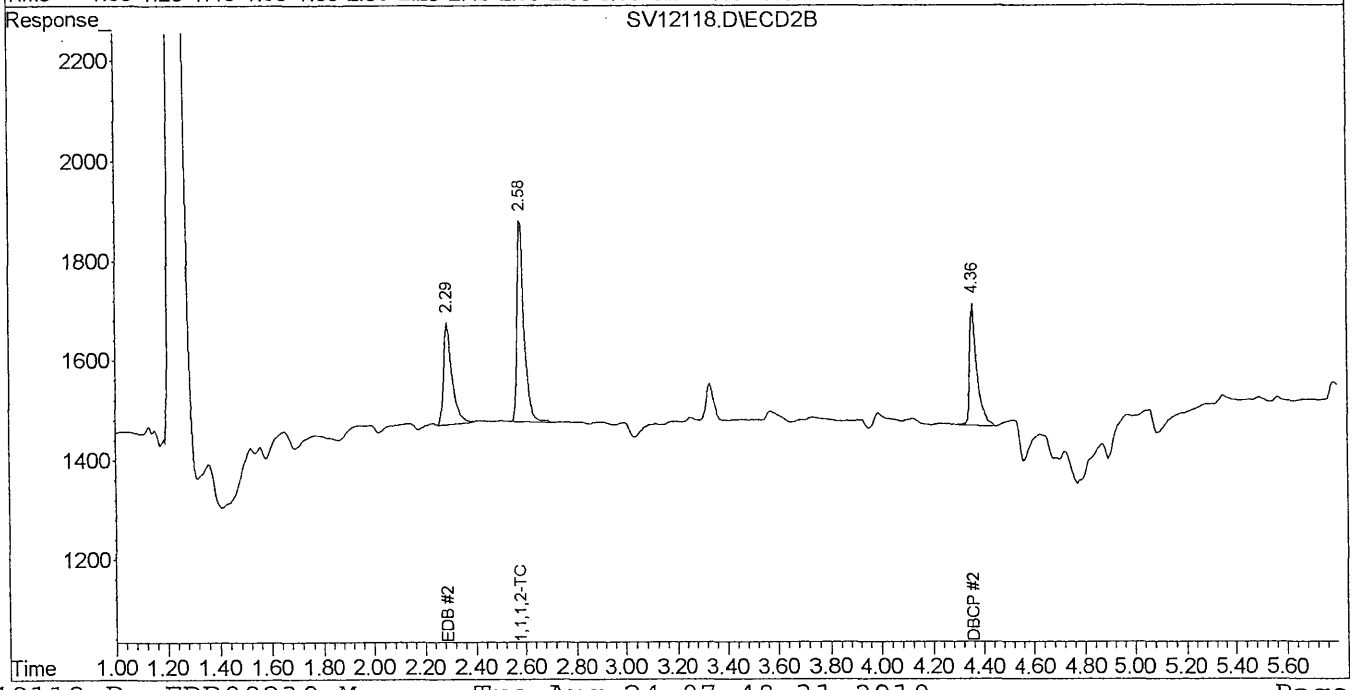
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12118.D\ECD1A.CH Vial: 4
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12118.D\ECD2B.CH
Acq On : 23 Aug 2010 2:28 pm Operator:
Sample : EDB 0.075 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:38 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:38:07 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12119.D\ECD1A.CH Vial: 5
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12119.D\ECD2B.CH
Acq On : 23 Aug 2010 2:43 pm Operator:
Sample : EDB 0.1 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:39 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:38:40 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	12492	9942	0.097	0.092
Spiked Amount 0.100	Range 65 - 135		Recovery =		97.00%	92.00%
Target Compounds						
1) TM EDB	1.89	2.29	7523	5873	0.075	0.088m
3) TM DBCP	3.92	4.36	8758	6166	0.089m	0.090m

✓
082410
JW

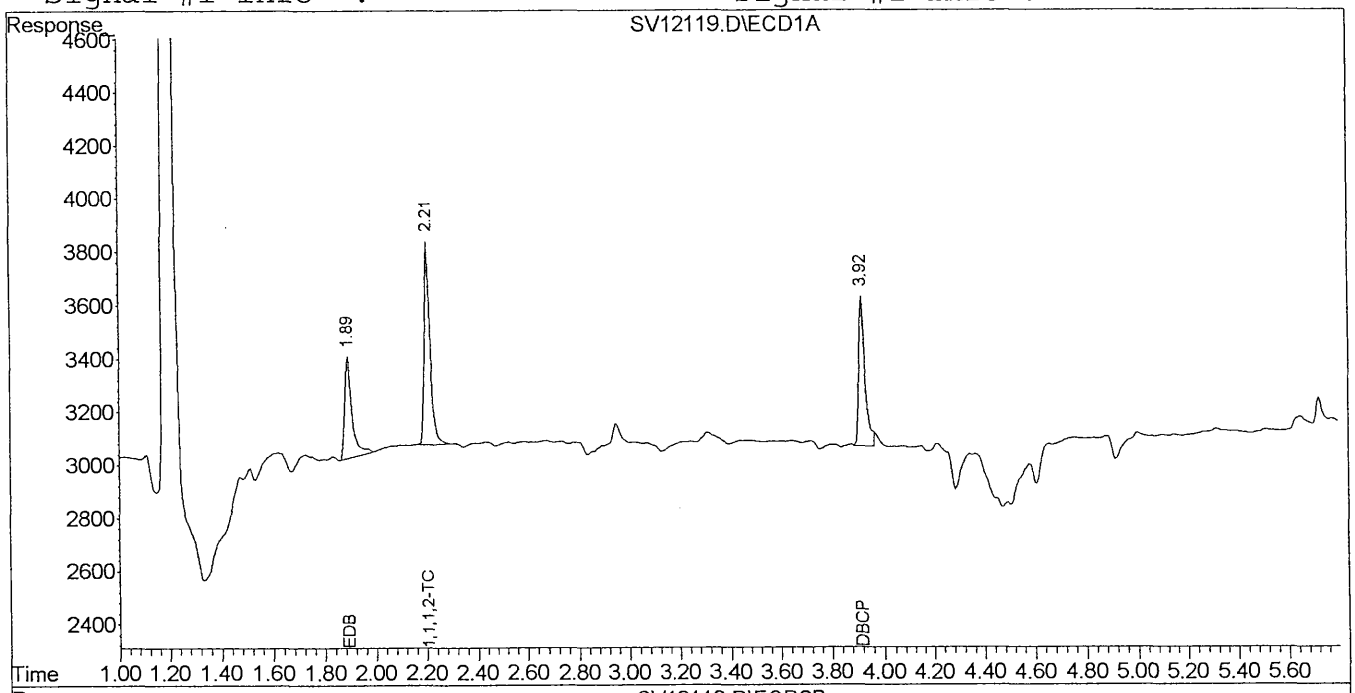
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

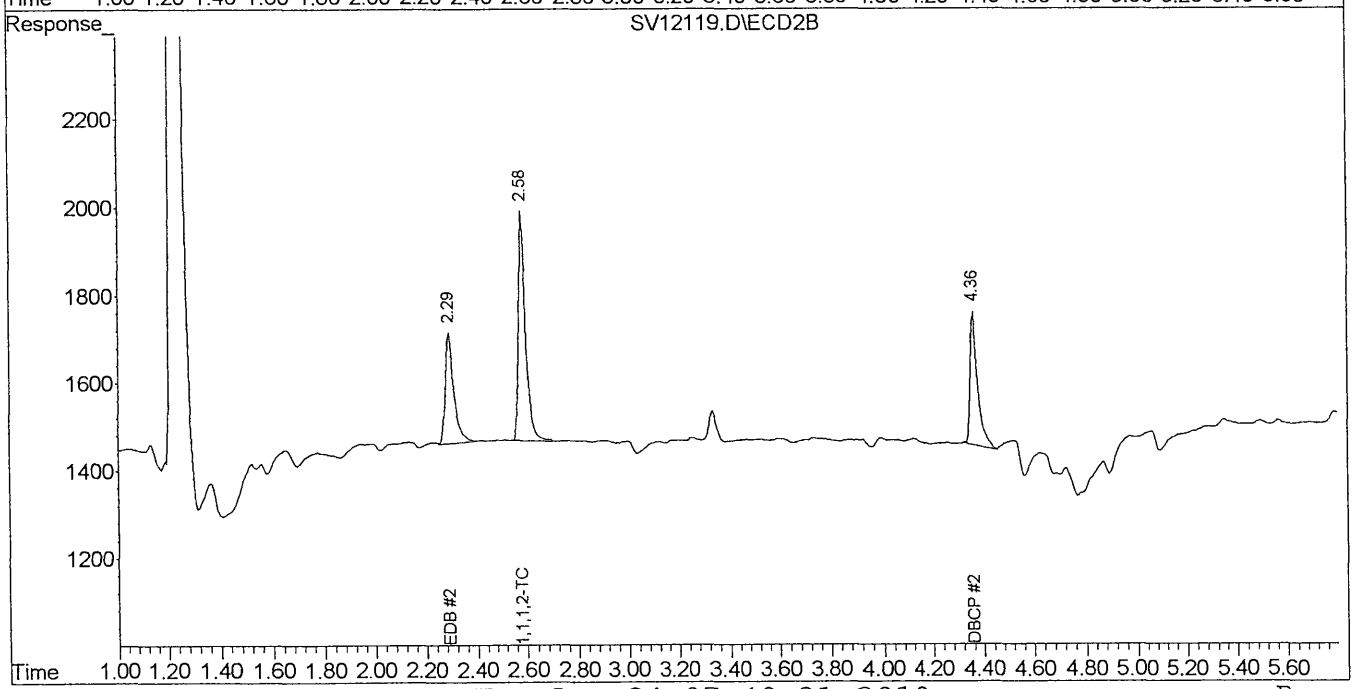
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12119.D\ECD1A.CH Vial: 5
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12119.D\ECD2B.CH
Acq On : 23 Aug 2010 2:43 pm Operator:
Sample : EDB 0.1 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:39 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:38:40 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12120.D\ECD1A.CH Vial: 6
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12120.D\ECD2B.CH
Acq On : 23 Aug 2010 2:58 pm Operator:
Sample : EDB 0.25 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:43 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:39:57 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	27882	25184	0.217	0.237
Spiked Amount 0.100	Range 65 - 135		Recovery =		217.00%#	237.00%#
Target Compounds						
1) TM EDB	1.89	2.30	15487	13938	0.162m	0.215 #
3) TM DBCP	3.92	4.36	19663	13637	0.205	0.203m

✓
8/24/10

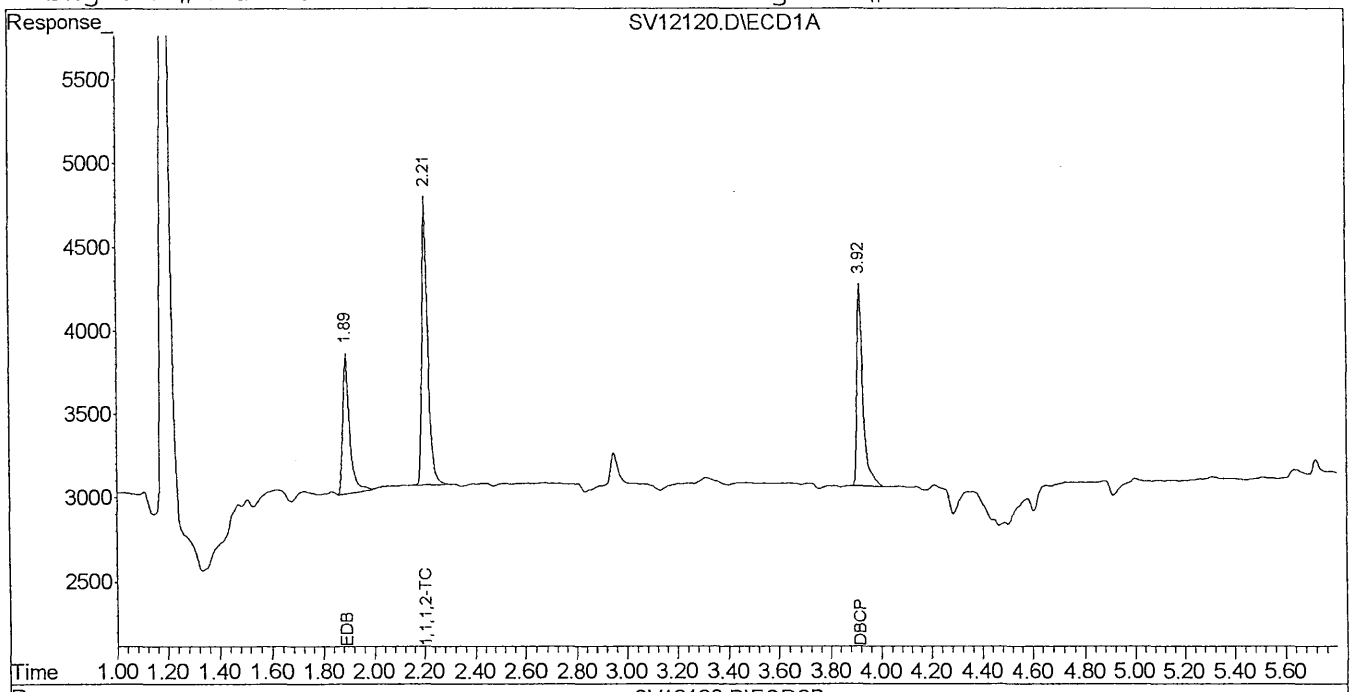
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

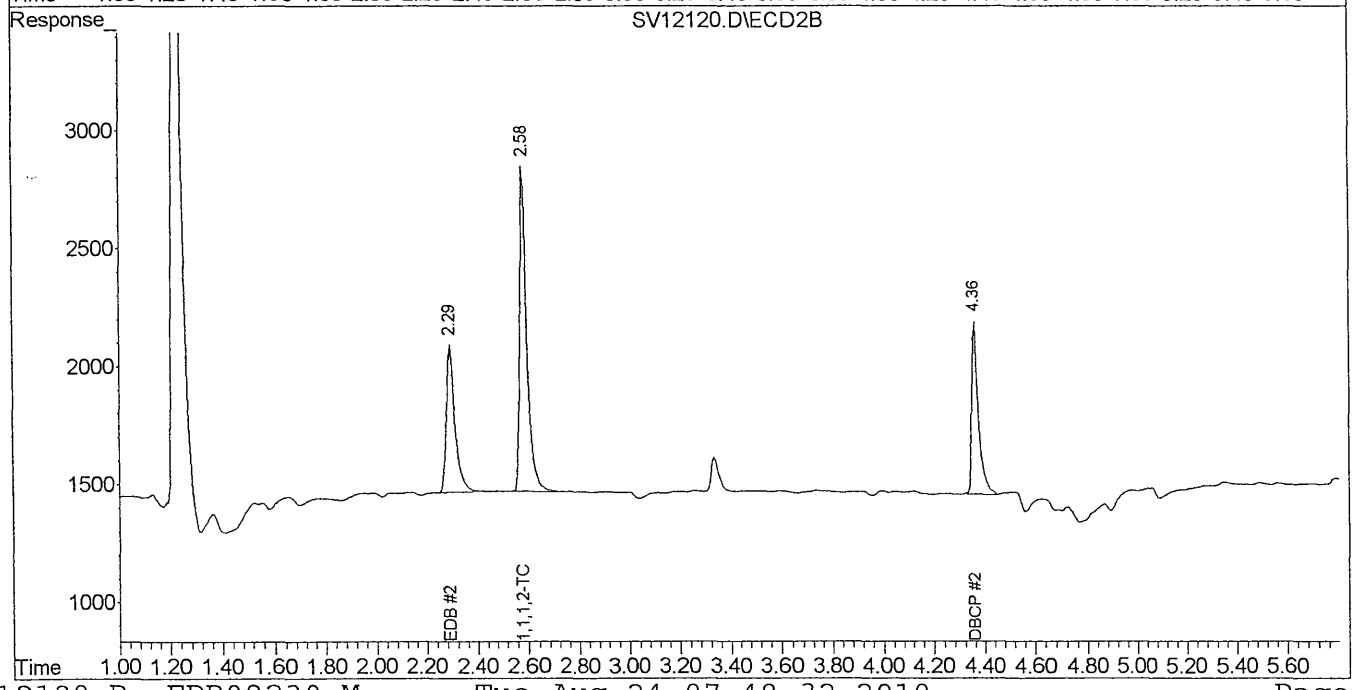
Quantitation Report (QT Reviewed)

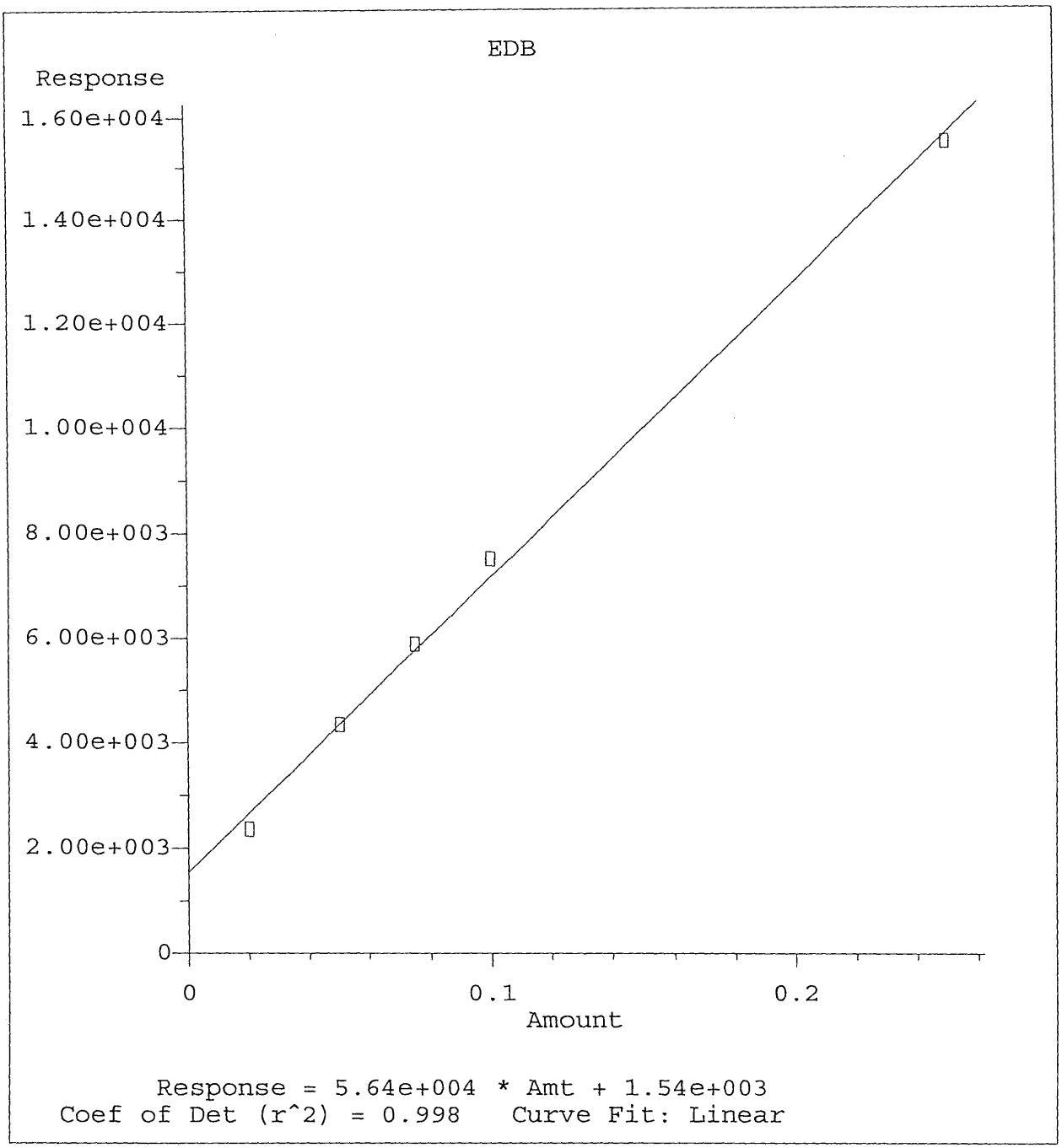
Signal #1 : D:\HPCHEM\1\DATA\082310\SV12120.D\ECD1A.CH Vial: 6
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12120.D\ECD2B.CH
Acq On : 23 Aug 2010 2:58 pm Operator:
Sample : EDB 0.25 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:43 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:39:57 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

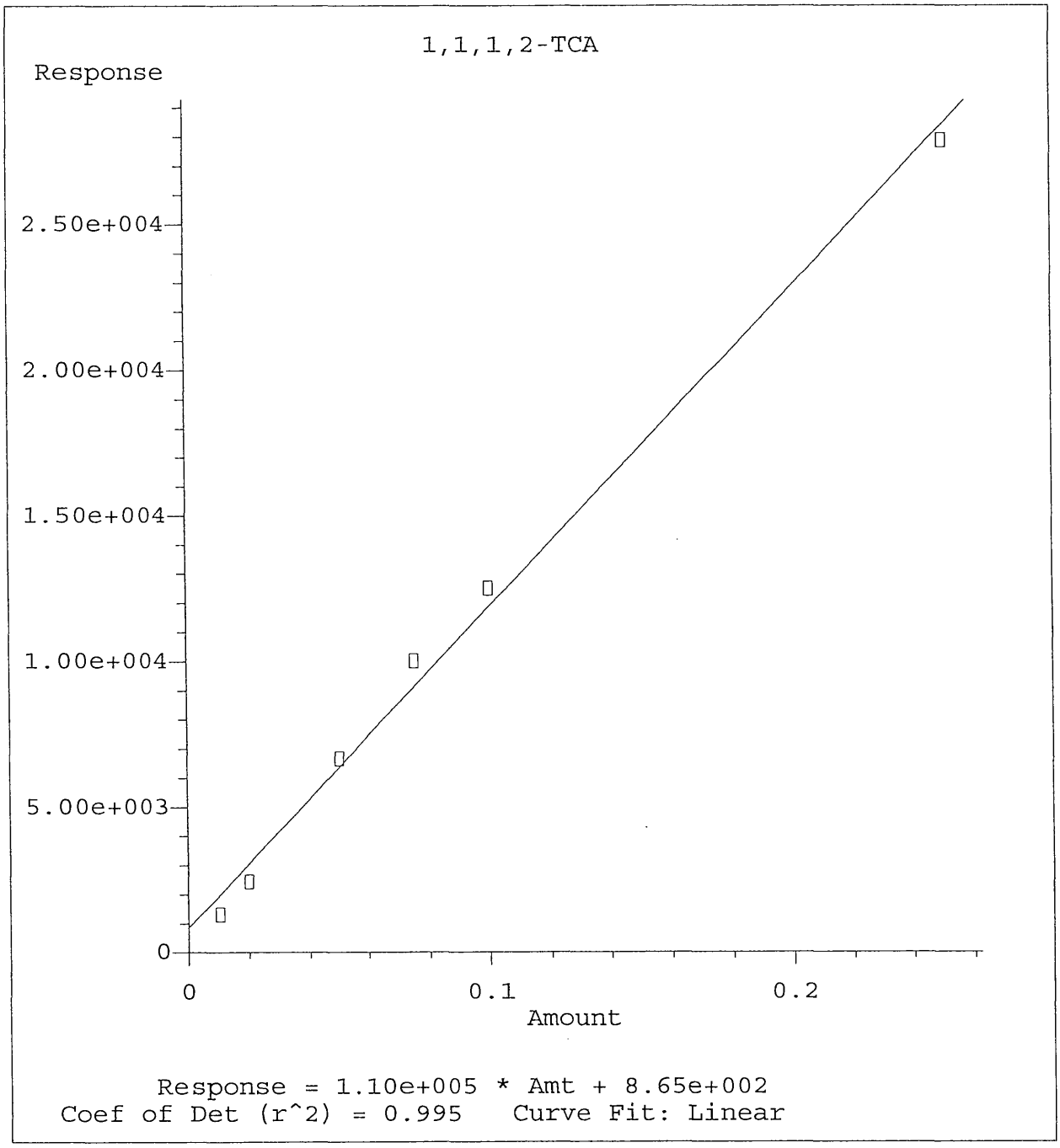
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



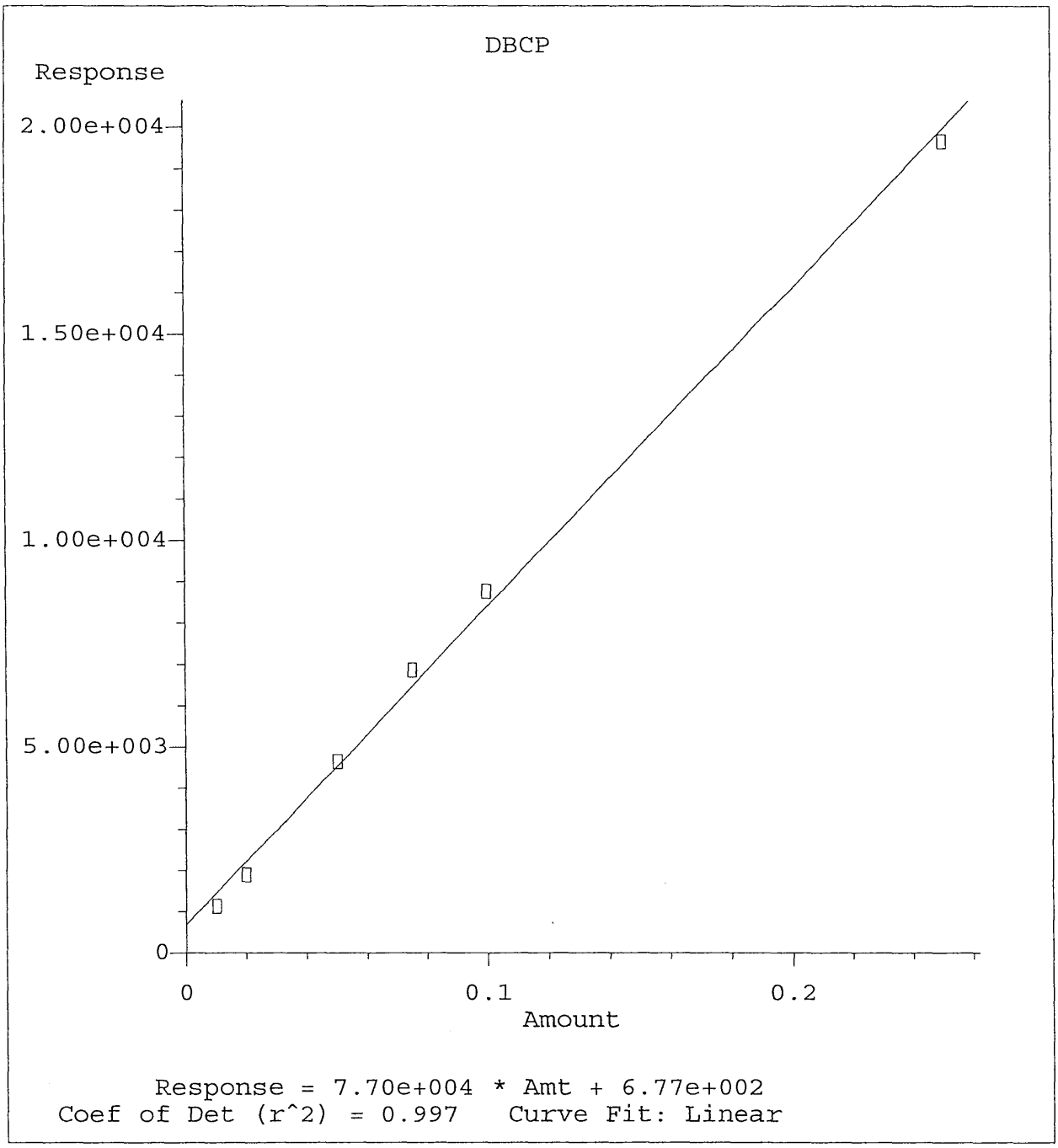




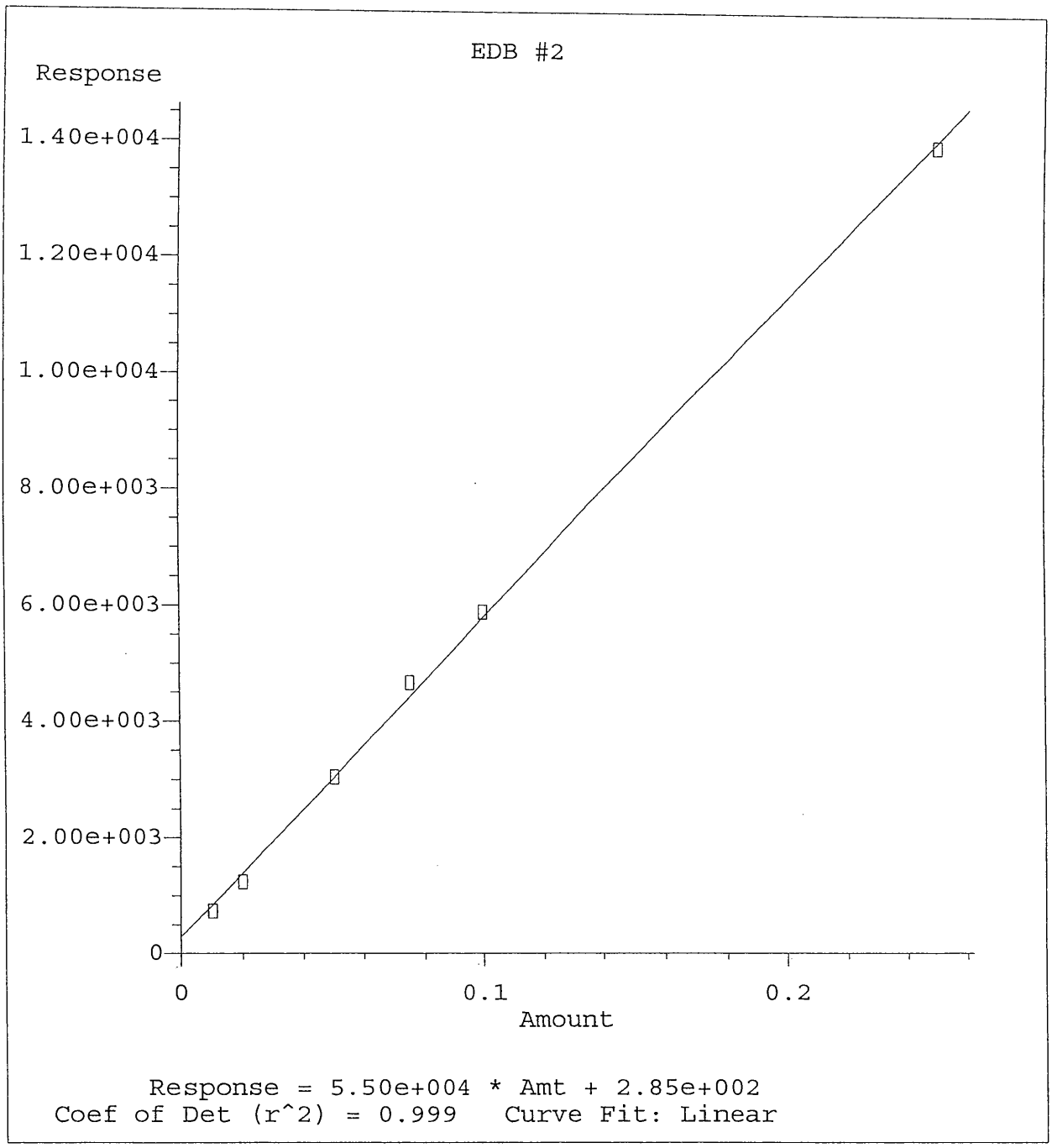
Method Name: D:\HPCHEM\1\METHODS\EDB08230.M
Calibration Table Last Updated: Tue Aug 24 07:45:02 2010



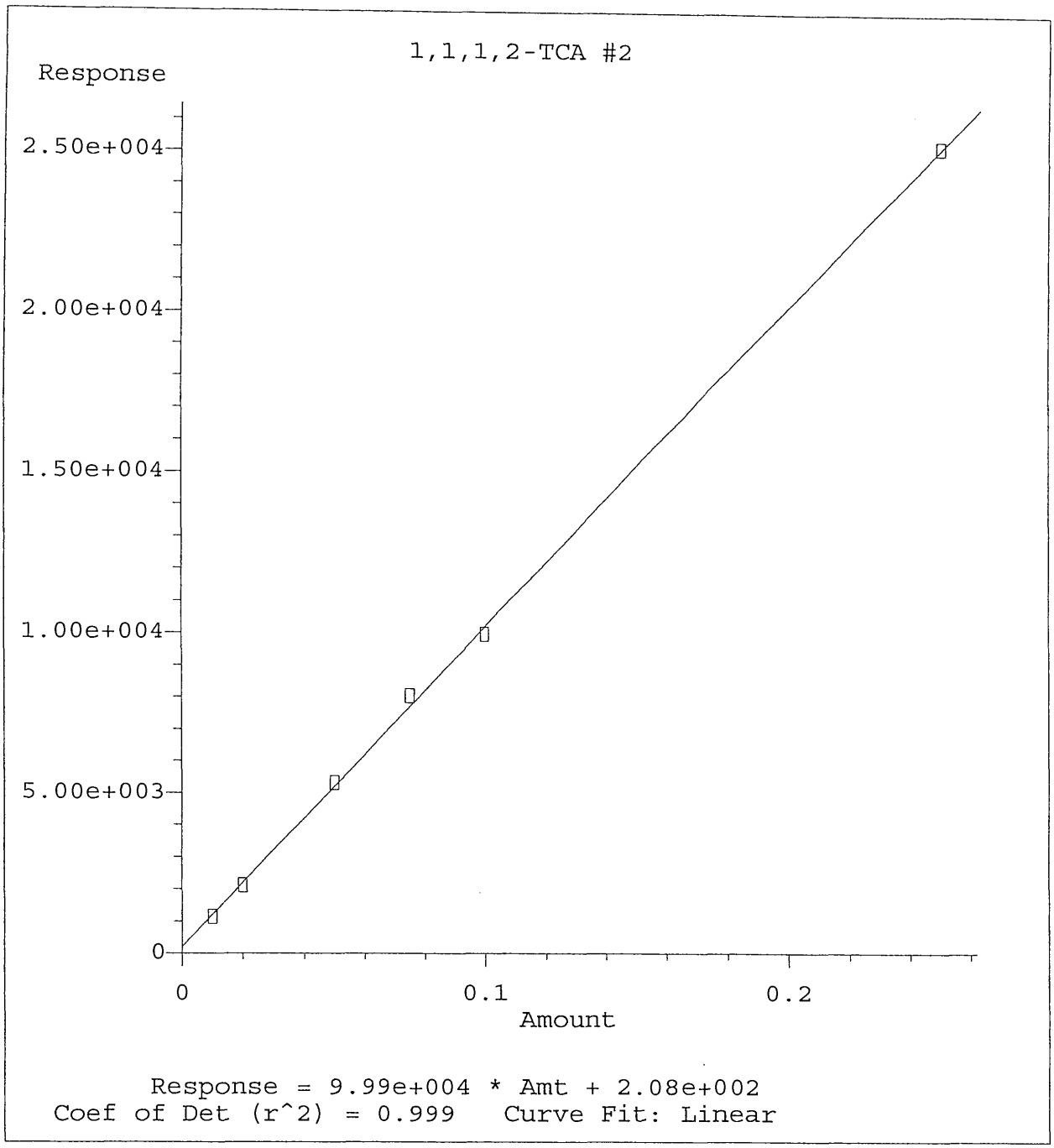
Method Name: D:\HPCHEM\1\METHODS\EDB08230.M
Calibration Table Last Updated: Tue Aug 24 07:45:02 2010



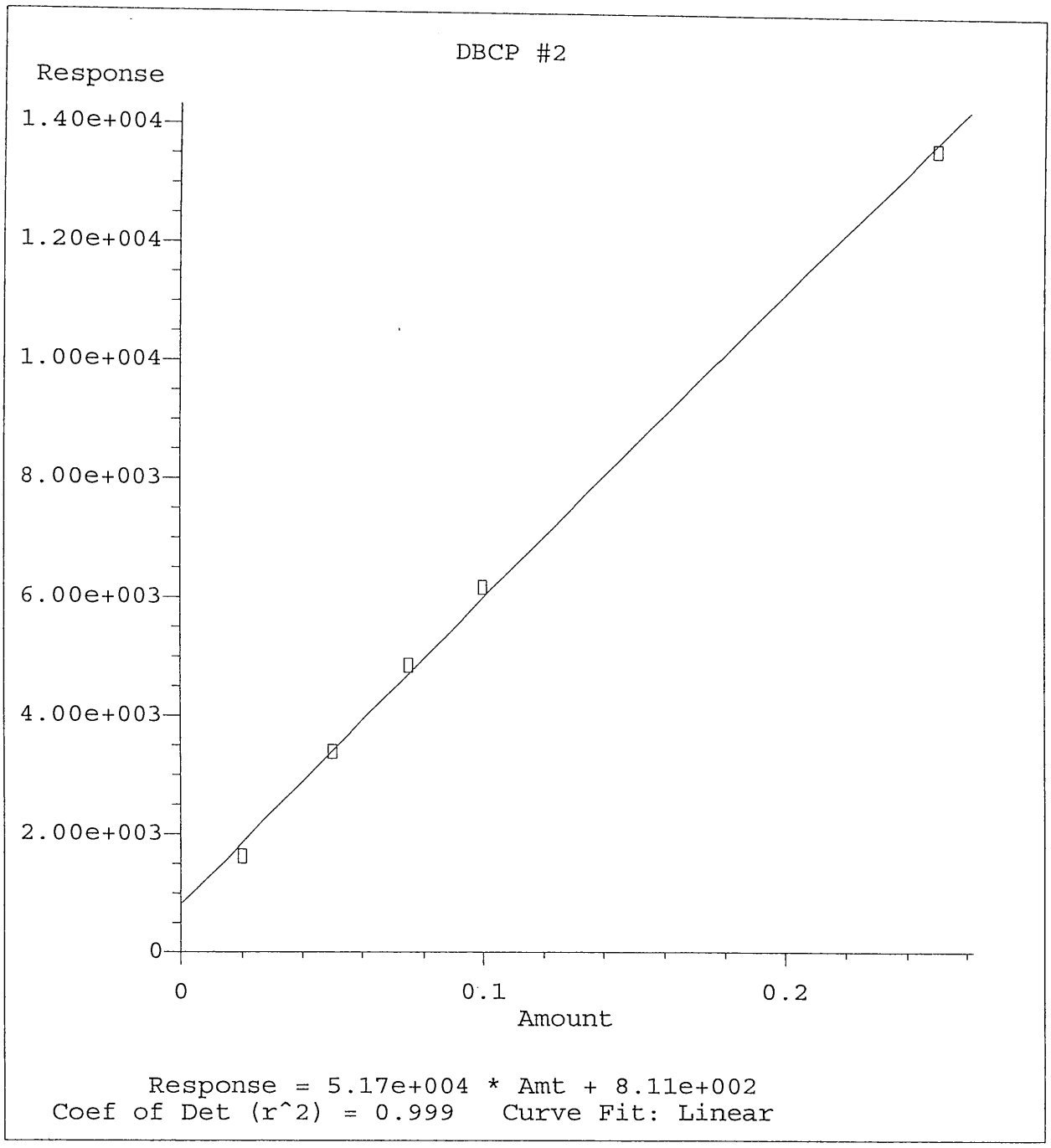
Method Name: D:\HPCHEM\1\METHODS\EDB08230.M
Calibration Table Last Updated: Tue Aug 24 07:45:02 2010



Method Name: D:\HPCHEM\1\METHODS\EDB08230.M
Calibration Table Last Updated: Tue Aug 24 07:45:02 2010



Method Name: D:\HPCHEM\1\METHODS\EDB08230.M
Calibration Table Last Updated: Tue Aug 24 07:45:02 2010



Method Name: D:\HPCHEM\1\METHODS\EDB08230.M
Calibration Table Last Updated: Tue Aug 24 07:45:02 2010

Spike Recovery and RPD Summary Report - WATER

Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:49:58 2010
Response via : Initial Calibration

Non-Spiked Sample: SV12124B.D

8/24/10

	Spike Sample	Spike Duplicate Sample
File ID :	SV12121Q.D	SV12122Q.D
Sample :	LCSaA082310EDB1	LCSDA082310EDB1
Acq Time:	23 Aug 2010 3:13 pm	23 Aug 2010 3:29 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
EDB	0.0	0	0	0	112	114	1	20	70-130
DBCP	0.0	0	0	0	114	113	0	20	70-130
EDB #2	0.0	0	0	0	111	108	2	20	70-130
DBCP #2	0.0	0	0	0	111	110	1	20	70-130

- Fails Limit Check

EDB08230.M Tue Aug 24 08:02:51 2010

8/24/10

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12121Q.D\ECD1A.CH Vial: 7
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12121Q.D\ECD2B.CH
Acq On : 23 Aug 2010 3:13 pm Operator:
Sample : LCSaA082310EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:45 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	11780	9897	0.099	0.097
Spiked Amount 0.100	Range 65 - 135		Recovery =		99.00%	97.00%
Target Compounds						
1) TM EDB	1.89	2.30	7853	6371	0.112	0.111
3) TM DBCP	3.92	4.36	9449	6445	0.114m	0.111m

082410
JJ

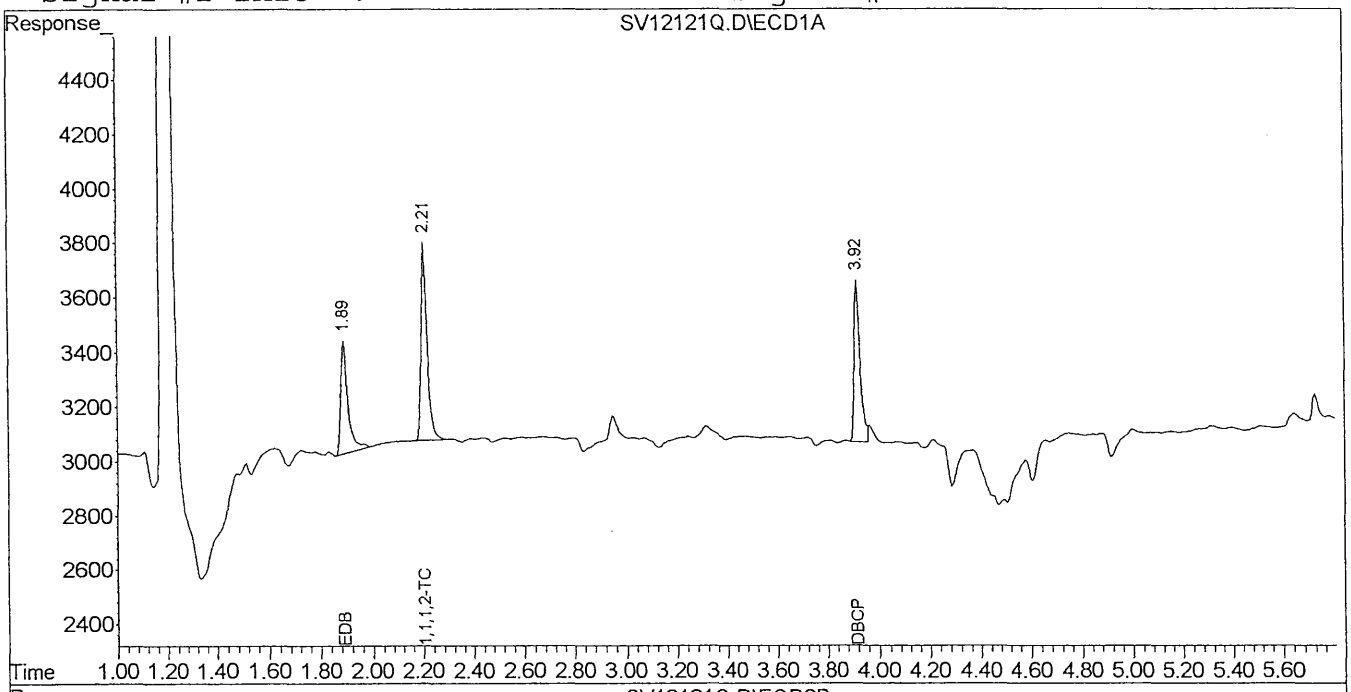
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

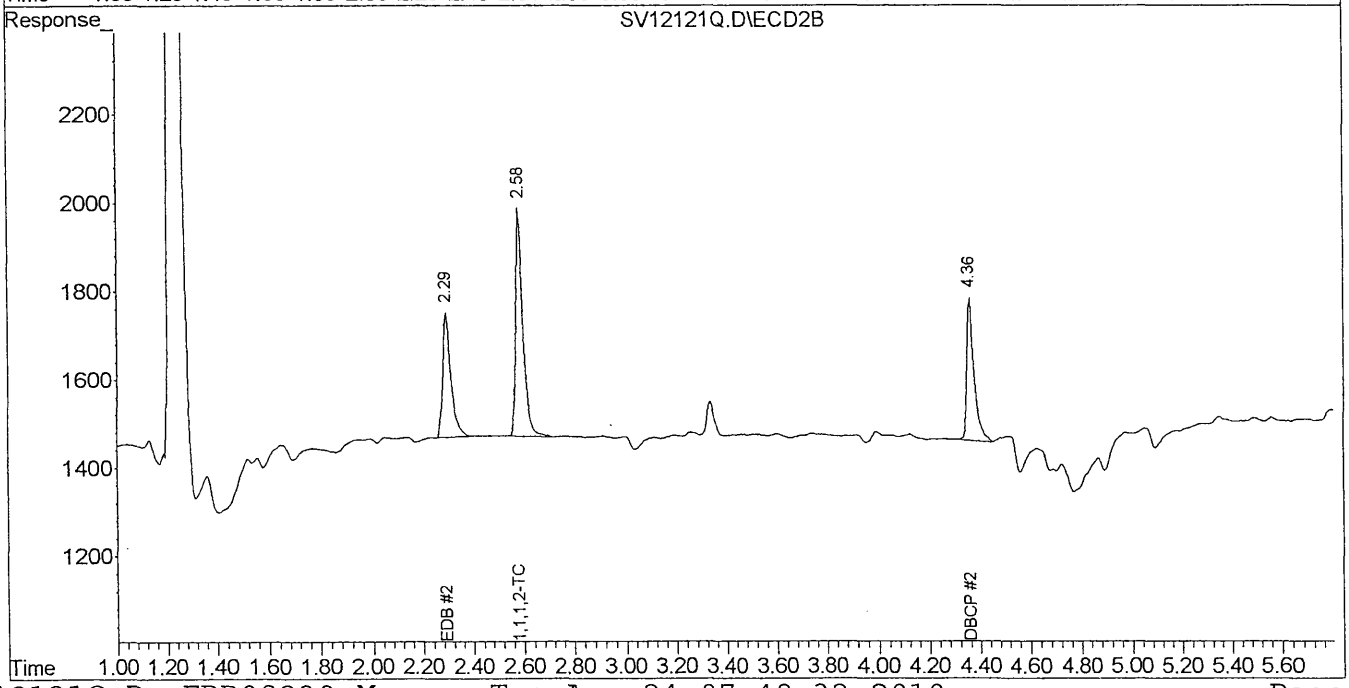
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12121Q.D\ECD1A.CH Vial: 7
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12121Q.D\ECD2B.CH
Acq On : 23 Aug 2010 3:13 pm Operator:
Sample : LCSaA082310EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:45 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12122Q.D\ECD1A.CH Vial: 8
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12122Q.D\ECD2B.CH
Acq On : 23 Aug 2010 3:29 pm Operator:
Sample : LCSDA082310EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:46 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	12012	9859	0.101	0.097
Spiked Amount 0.100	Range 65 - 135			Recovery =	101.00%	97.00%
Target Compounds						
1) TM EDB	1.89	2.29	7945	6245	0.114	0.108
3) TM DBCP	3.92	4.36	9407	6410	0.113m	0.110

08/24/10

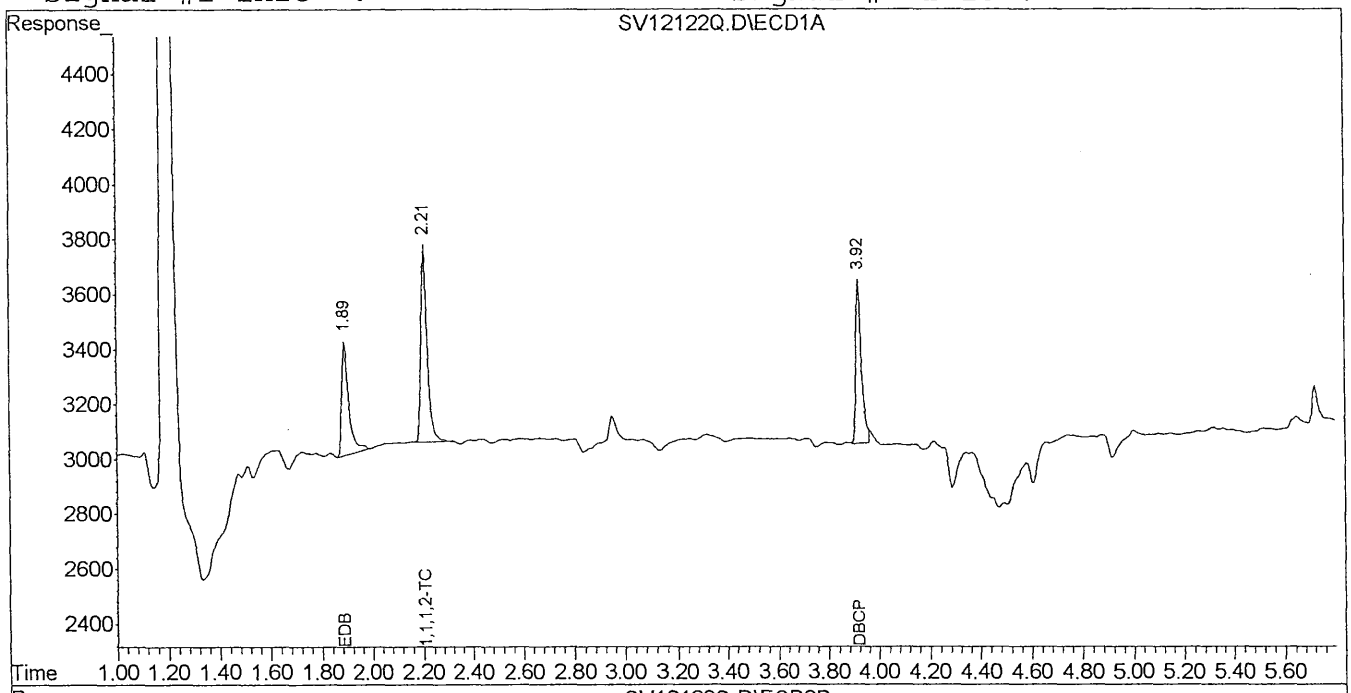
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

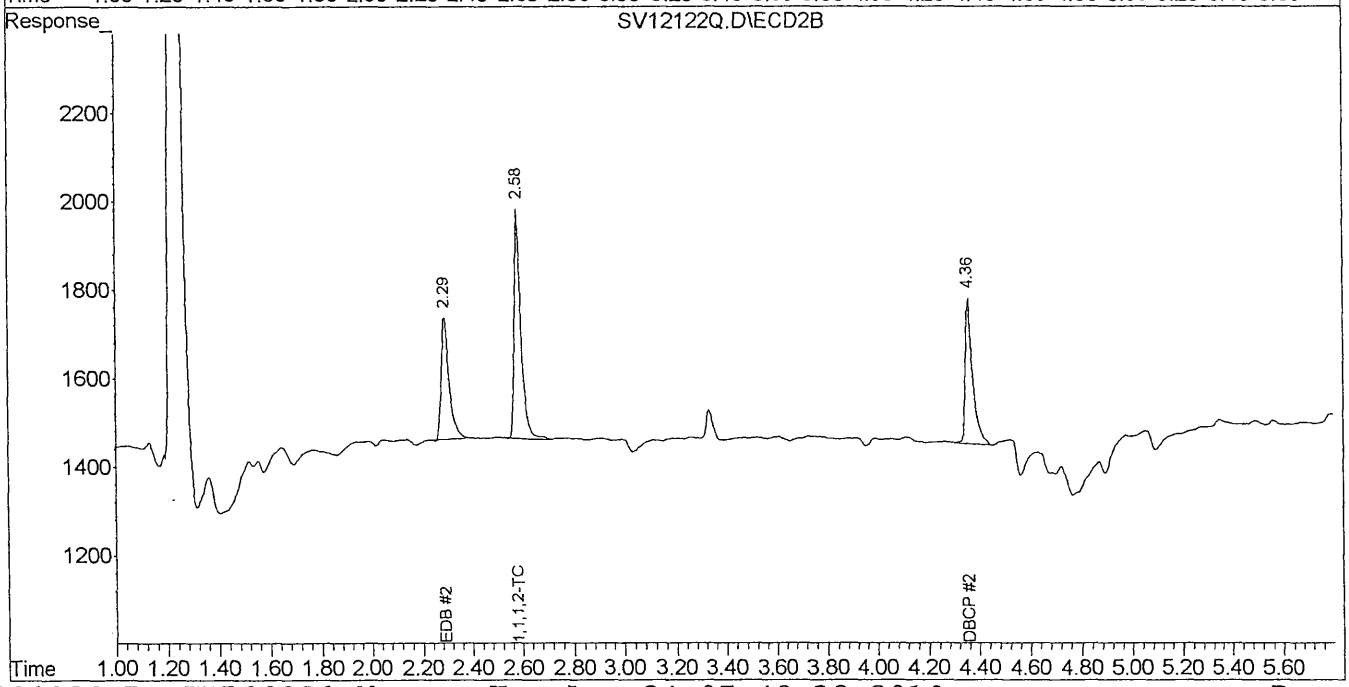
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12122Q.D\ECD1A.CH Vial: 8
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12122Q.D\ECD2B.CH
Acq On : 23 Aug 2010 3:29 pm Operator:
Sample : LCSDA082310EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:46 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP MDL CHECK REPORT

8/24/10

Sample Name MDLaA082310EDB1
Data File Name SV12123.D
Date Acquired 8/23/2010 3:44

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (60-140%)
1,1,1,2-TCA					0.104	104%	Pass
EDB	1.891	1.894	0.0200	Pass	0.017	86%	Pass
DBCP	3.921	3.922	0.0200	Pass	0.027	134%	Pass
1,1,1,2-TCA #2					0.100	100%	Pass
EDB #2	2.292	2.295	0.0100	Pass	0.021	107%	Pass
DBCP #2	4.361	4.362	0.0100	Pass	0.022	109%	Pass

8/24/10

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12123.D\ECD1A.CH Vial: 9
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12123.D\ECD2B.CH
Acq On : 23 Aug 2010 3:44 pm Operator:
Sample : MDLaA082310EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:46 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	12323	10242	0.104	0.100
Spiked Amount 0.100	Range 65 - 135		Recovery =		104.00%	100.00%
Target Compounds						
1) TM EDB	1.89	2.29	2508	1458	0.017m	0.021m
3) TM DBCP	3.92	4.36	2743	1727	0.027	0.022

08/24/10

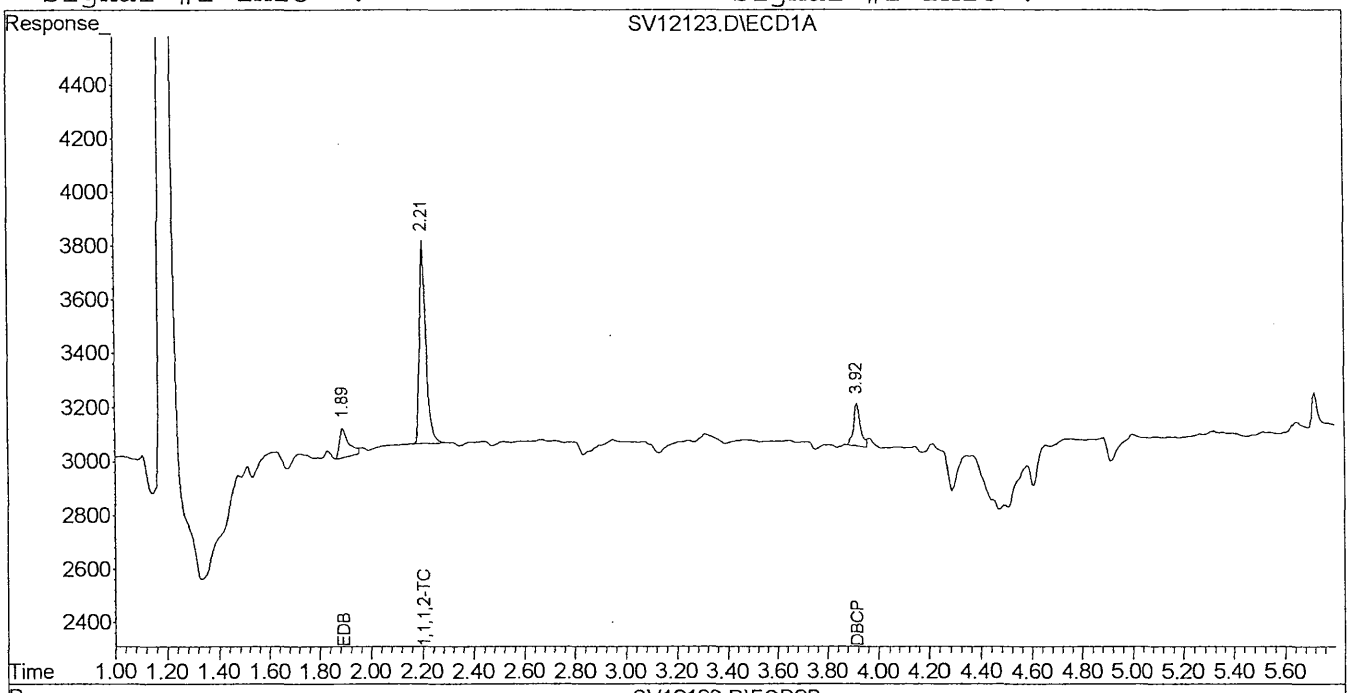
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

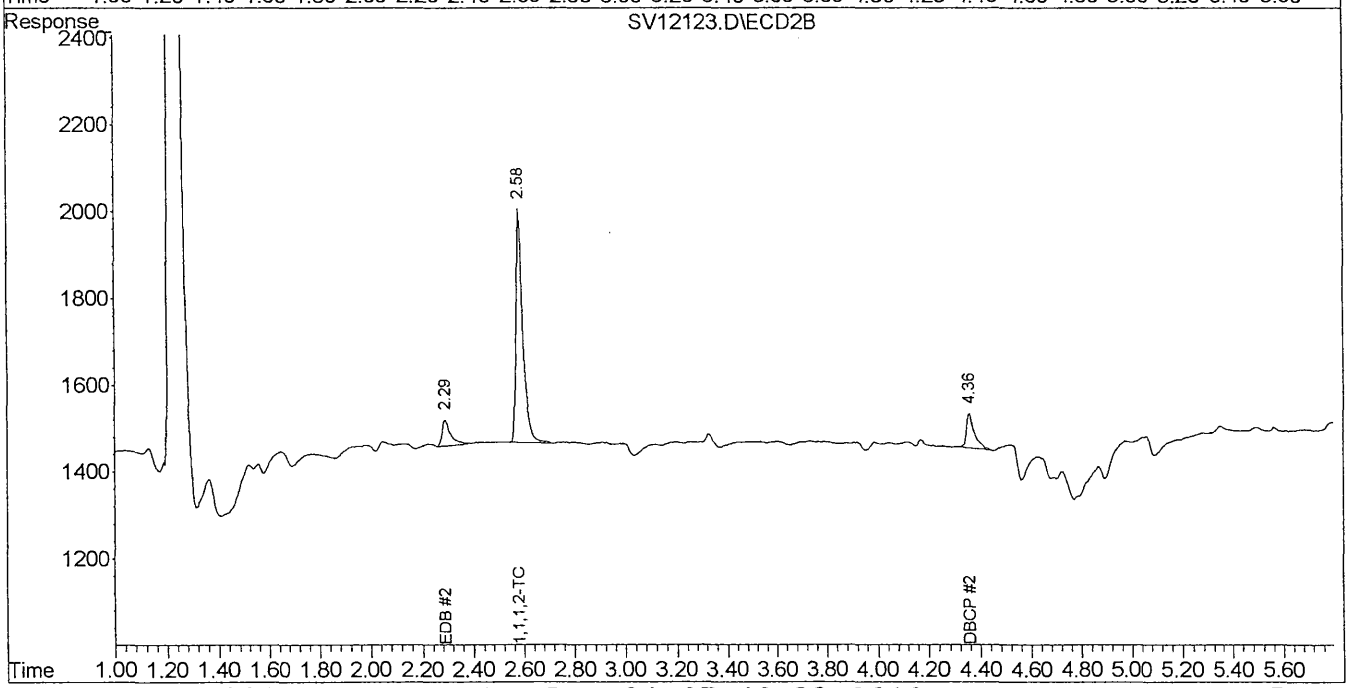
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12123.D\ECD1A.CH Vial: 9
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12123.D\ECD2B.CH
Acq On : 23 Aug 2010 3:44 pm Operator:
Sample : MDLaA082310EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:46 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name BLNKA082310EDB1
Data File Name SV12124B.D
Date Acquired 8/23/2010 4:14

Dilution (1:X) 1

8/24/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.106**	**106%**	**Pass**				
EDB	1.9324	1.8940	0.0200	**FAIL**	**-0.011**			0.02			
DBCP	3.9730	3.9220	0.0200	**FAIL**	**-0.001**			0.02			
1,1,1,2-TCA #2					**0.101**	**101%**	**Pass**				
EDB #2	0.0000	2.2950	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

NIA

08240

Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12124B.D\ECD1A.CH Vial: 10
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12124B.D\ECD2B.CH
Acq On : 23 Aug 2010 4:14 pm Operator:
Sample : BLNKA082310EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:46 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

8/24/10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.59	12482	10334	0.106	0.101
Spiked Amount 0.100	Range 65 - 135		Recovery =		106.00%	101.00%
Target Compounds						
1) TM EDB	1.93	0.00	894	0	N.D.	N.D.
3) TM DBCP	3.97	0.00	593	0	N.D.	N.D.

082410

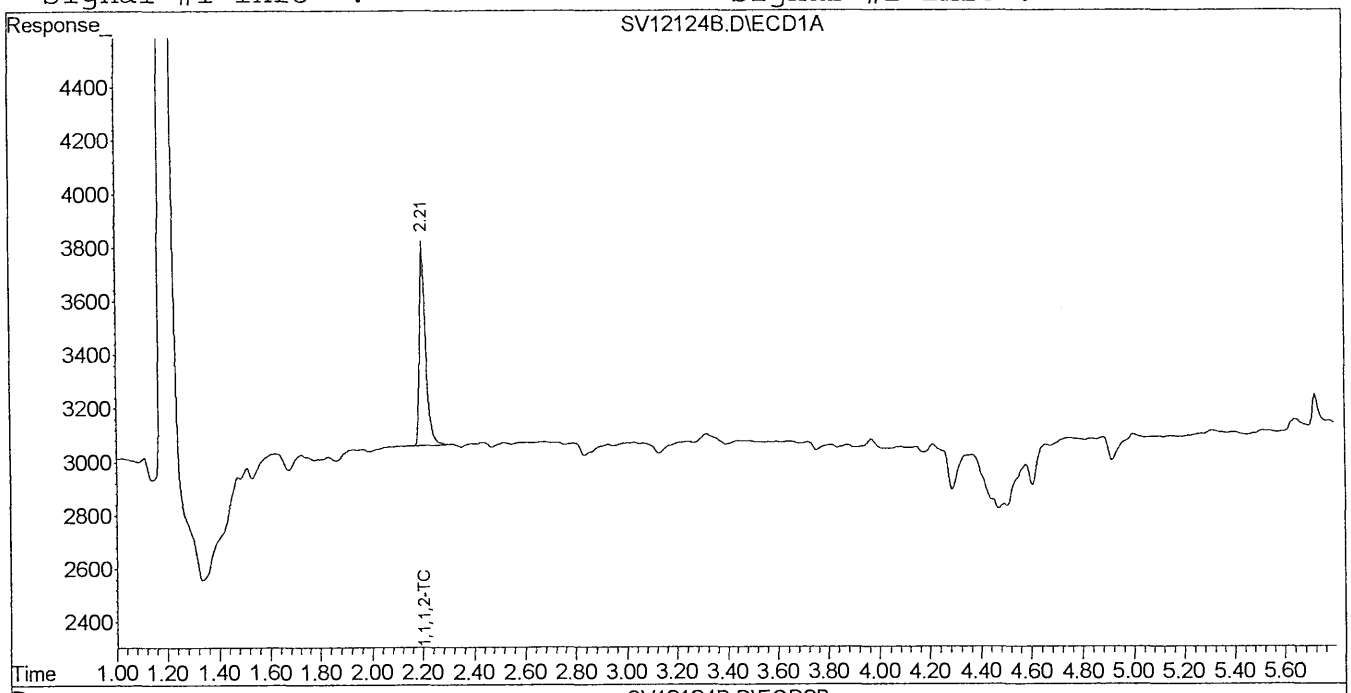
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

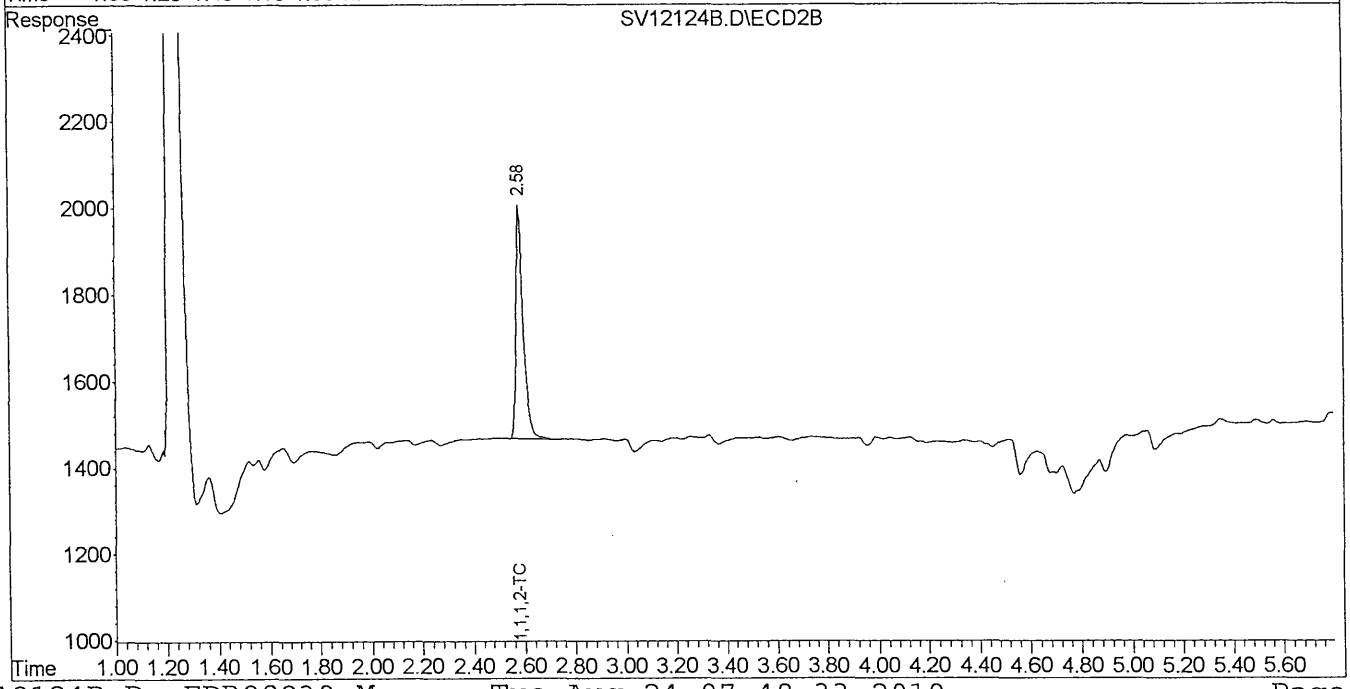
Quantitation Report (Not Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12124B.D\ECD1A.CH Vial: 10
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12124B.D\ECD2B.CH
Acq On : 23 Aug 2010 4:14 pm Operator:
Sample : BLNKA082310EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:46 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP CV REPORT

Sample Name EDB 0.1 UG/L
Data File Name SV12130V.D
Date Acquired 8/23/2010 5:44

CV Amount (ug/L) 0.100

8/24/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (70-130%)
1,1,1,2-TCA					0.102	102%	Pass
EDB	1.894	1.894	0.0200	Pass	0.095	95%	Pass
DBCP	3.920	3.922	0.0200	Pass	0.106	106%	Pass
1,1,1,2-TCA #2					0.098	98%	Pass
EDB #2	2.295	2.295	0.0100	Pass	0.096	96%	Pass
DBCP #2	4.362	4.362	0.0100	Pass	0.104	104%	Pass

8/24/10

C:\HPCHEM\Custrpt\EDB_CV.crt

8/24/10 7:51 AM

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12130V.D\ECD1A.CH Vial: 5
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12130V.D\ECD2B.CH
Acq On : 23 Aug 2010 5:44 pm Operator:
Sample : EDB 0.1 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:48 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	12115	10042	0.102	0.098
Spiked Amount 0.100	Range 65 - 135		Recovery =		102.00%	98.00%
Target Compounds						
1) TM EDB	1.89	2.29	6903	5538	0.095	0.096
3) TM DBCP	3.92	4.36	8801	6121	0.106m	0.104

08/24/10
JW

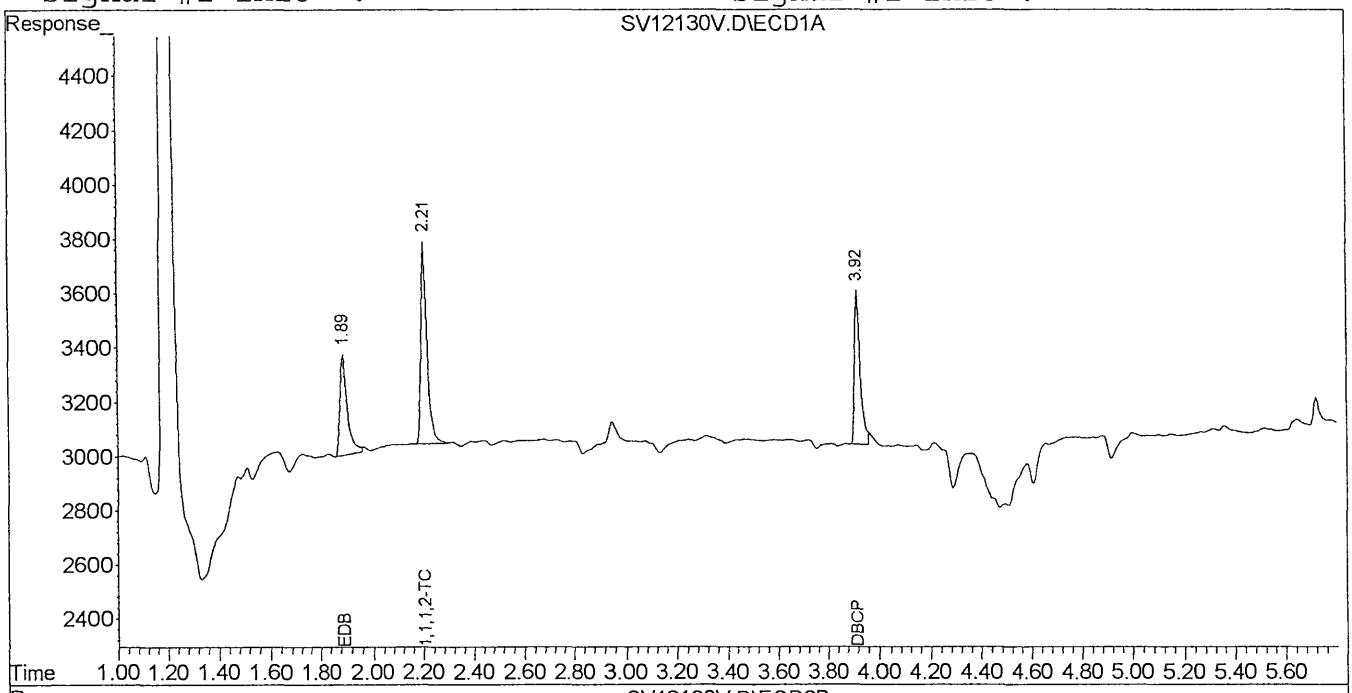
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

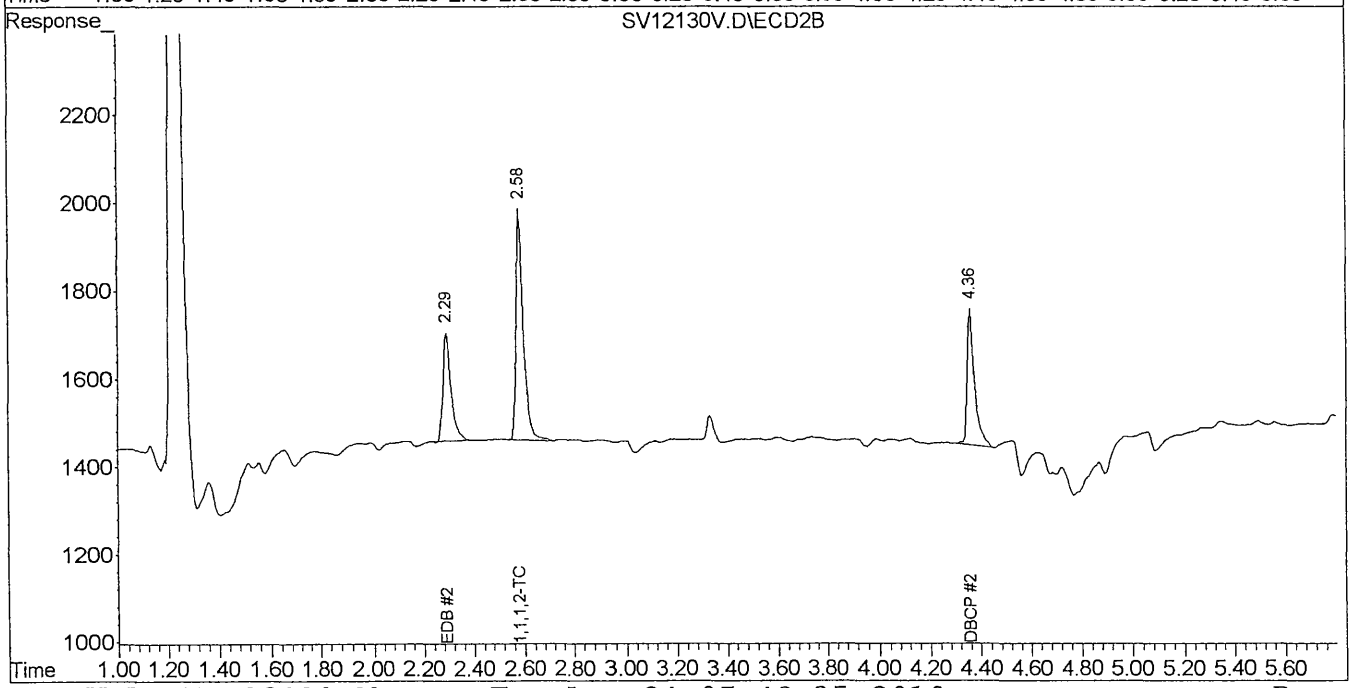
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12130V.D\ECD1A.CH Vial: 5
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12130V.D\ECD2B.CH
Acq On : 23 Aug 2010 5:44 pm Operator:
Sample : EDB 0.1 UG/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:48 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92079.01
Data File Name SV12127.D
Date Acquired 8/23/2010 4:59

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.109**	**109%**	**Pass**				
EDB	1.9259	1.8940	0.0200	**FAIL**	**-0.007**			0.02			
DBCP	3.9351	3.9220	0.0200	Pass	**0.098**			0.02	**0.098**		
1,1,1,2-TCA #2					**0.103**	**103%**	**Pass**				
EDB #2	0.0000	2.2950	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12127.D\ECD1A.CH Vial: 13
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12127.D\ECD2B.CH
Acq On : 23 Aug 2010 4:59 pm Operator:
Sample : 92079.01 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:47 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

8/24/10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	12851	10498	0.109	0.103
Spiked Amount 0.100	Range 65 - 135		Recovery =		109.00%	103.00%
Target Compounds						
1) TM EDB	1.93	0.00	1158	0	N.D.	N.D.
3) TM DBCP	3.94	0.00	8215	0	0.098	N.D. #

OTHMD

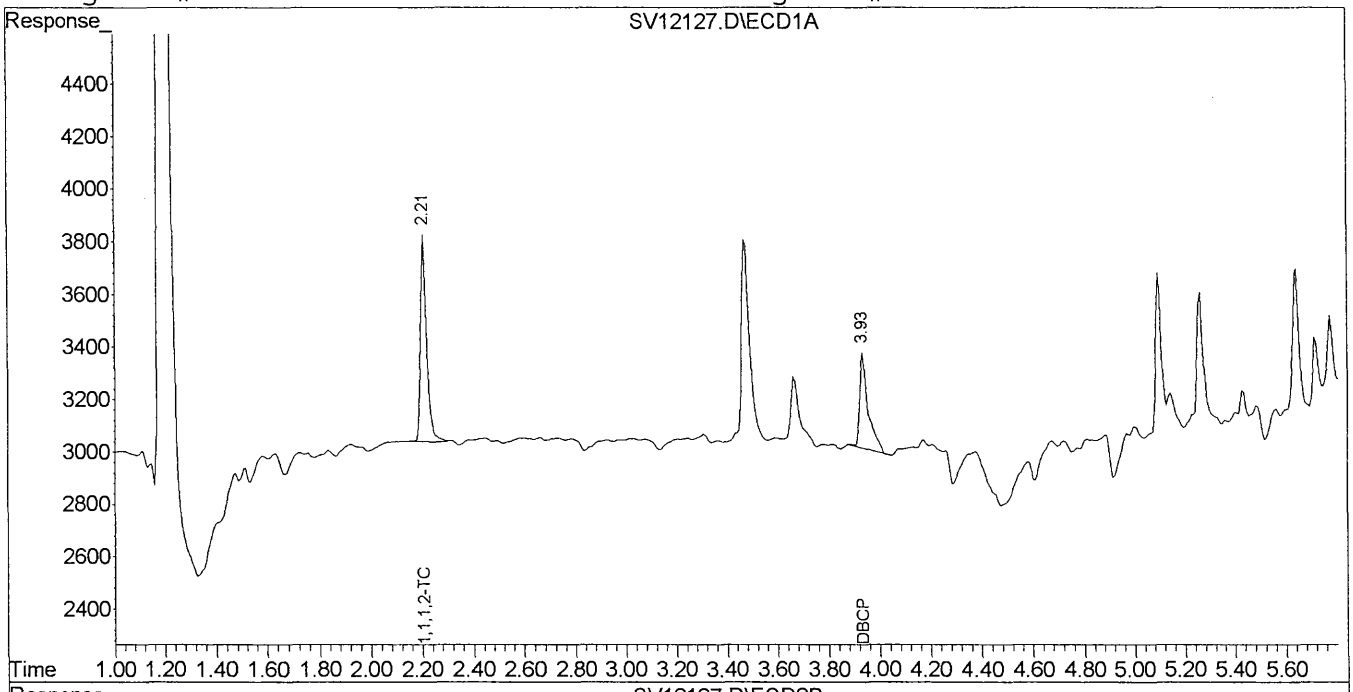
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

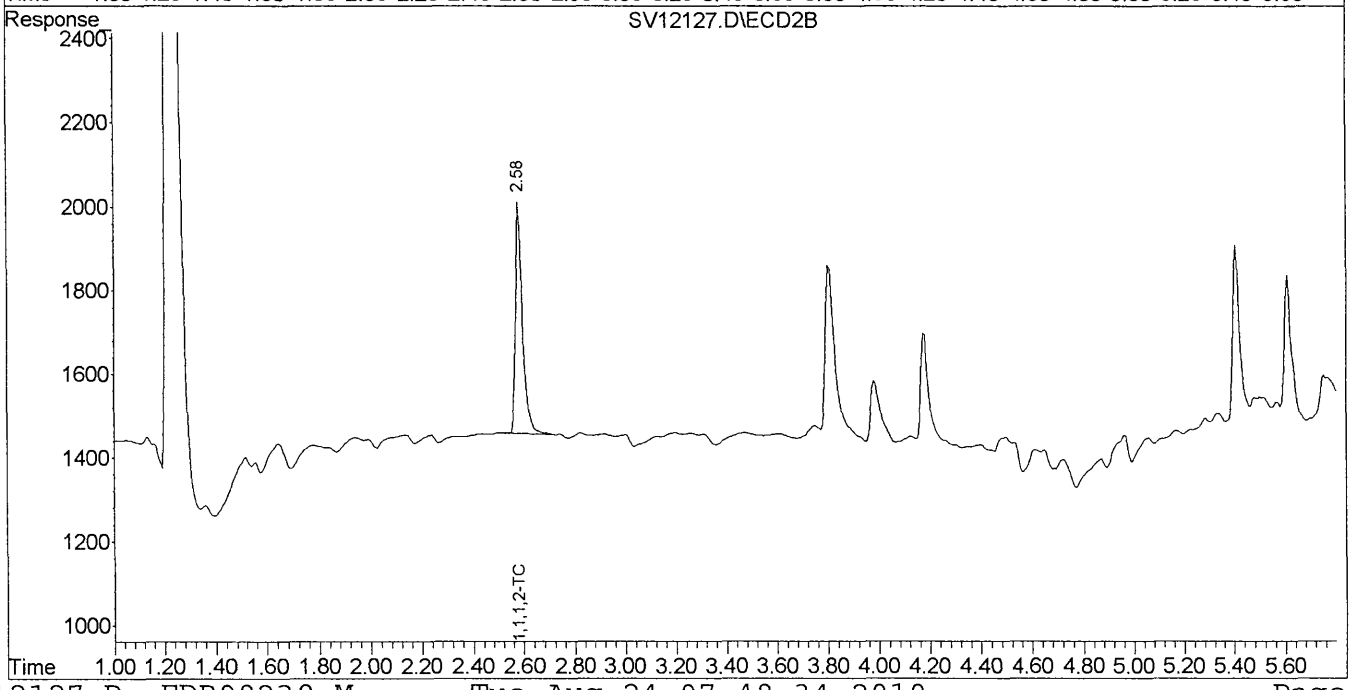
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12127.D\ECD1A.CH Vial: 13
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12127.D\ECD2B.CH
Acq On : 23 Aug 2010 4:59 pm Operator:
Sample : 92079.01 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:47 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92079.02
Data File Name SV12128.D
Date Acquired 8/23/2010 5:14

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.107**	**107%**	**Pass**				
EDB	1.9296	1.8940	0.0200	**FAIL**	**0.010**			0.02			
DBCP	3.9713	3.9220	0.0200	**FAIL**	**0.005**			0.02			
1,1,1,2-TCA #2					**0.099**	**99%**	**Pass**				
EDB #2	0.0000	2.2950	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12128.D\ECD1A.CH Vial: 14
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12128.D\ECD2B.CH
Acq On : 23 Aug 2010 5:14 pm Operator:
Sample : 92079.02 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:47 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
2) S 1,1,1,2-TCA	2.21	2.58	12608	10129	0.107	0.099	
Spiked Amount 0.100	Range 65 - 135		Recovery =		107.00%	99.00%	
Target Compounds							
1) TM EDB	1.93	0.00	990	0	N.D.	N.D.	
3) TM DBCP	3.97	0.00	1045	0	0.005	N.D.	#

1
08240

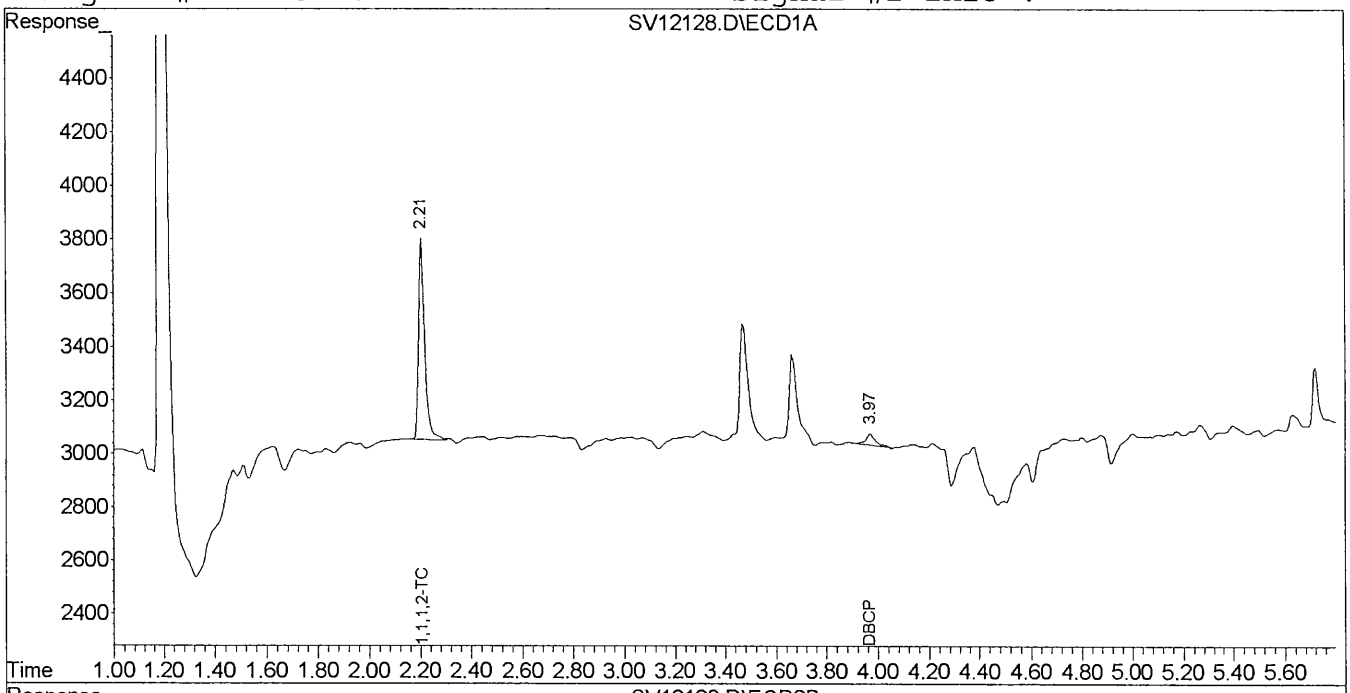
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

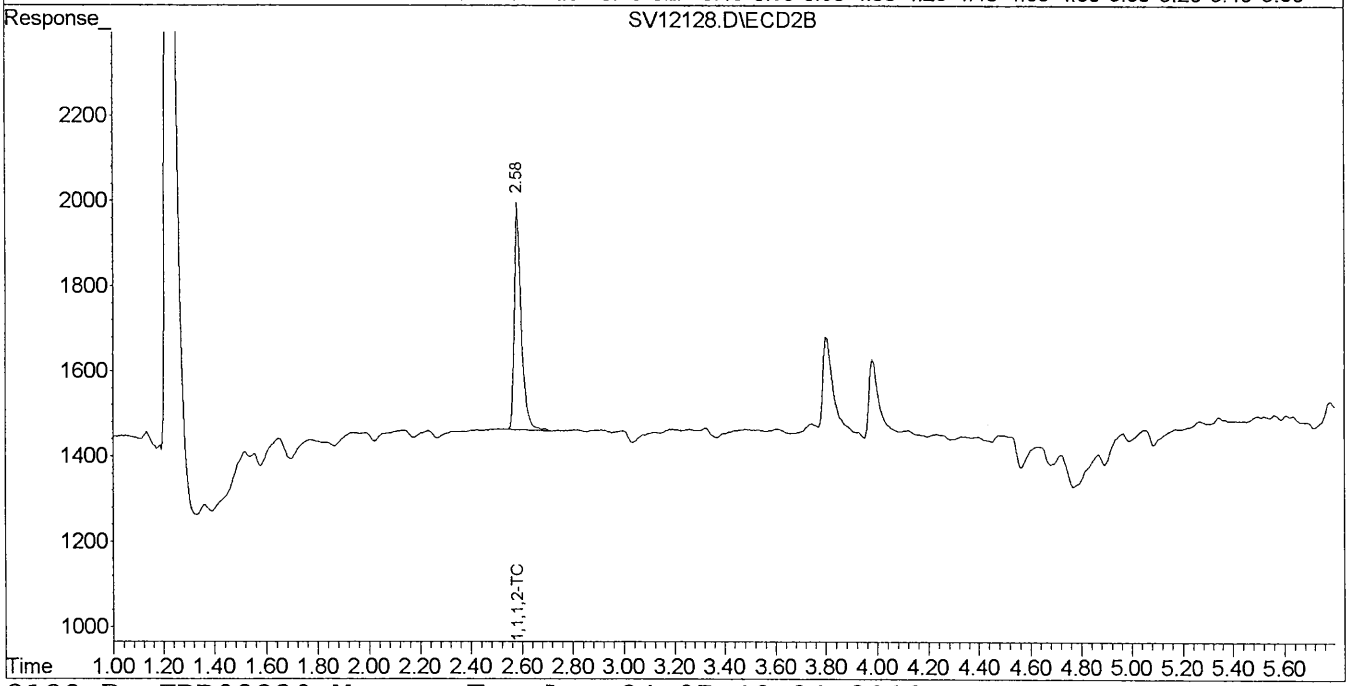
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12128.D\ECD1A.CH Vial: 14
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12128.D\ECD2B.CH
Acq On : 23 Aug 2010 5:14 pm Operator:
Sample : 92079.02 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:47 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 92079.03
Data File Name SV12129.D
Date Acquired 8/23/2010 5:29

Dilution (1:X) 1

8/24/10

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.106**	**106%**	**Pass**				
EDB	1.9269	1.8940	0.0200	**FAIL**	**-0.010**			0.02			
DBCP	3.9713	3.9220	0.0200	**FAIL**	**0.004**			0.02			
1,1,1,2-TCA #2					**0.098**	**98%**	**Pass**				
EDB #2	0.0000	2.2950	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3624	0.0100	**FAIL**	**0.000**			0.02			

NB

0824/10

C:\HPCHEM\CUSTRPT\EDB_SAMPLE.CRT

8/24/10 8:02 AM

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12129.D\ECD1A.CH Vial: 15
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12129.D\ECD2B.CH
Acq On : 23 Aug 2010 5:29 pm Operator:
Sample : 92079.03 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:47 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Initial Calibration
DataAcq Meth : EDB.M

8/24/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.58	12504	9990	0.106	0.098
Spiked Amount 0.100	Range 65 - 135		Recovery =		106.00%	98.00%
Target Compounds						
1) TM EDB	1.93	0.00	997	0	N.D.	N.D.
3) TM DBCP	3.97	0.00	974	0	0.004	N.D. #

082410

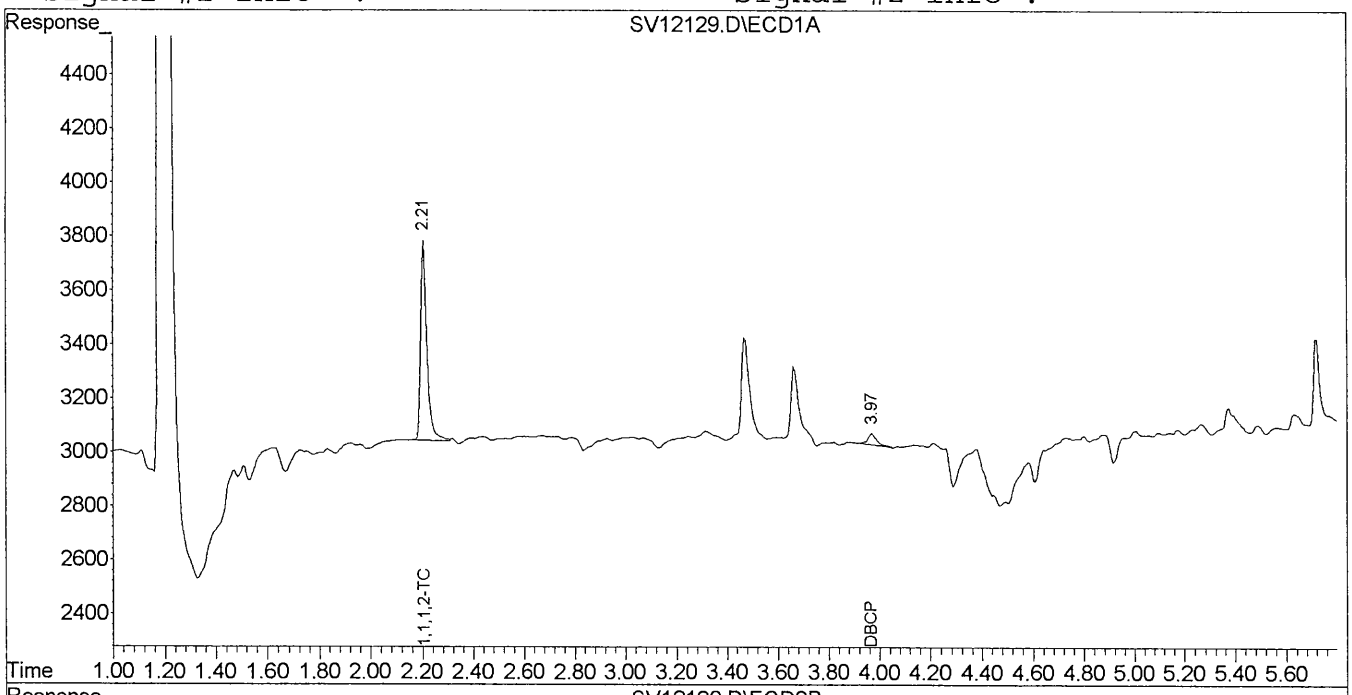
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

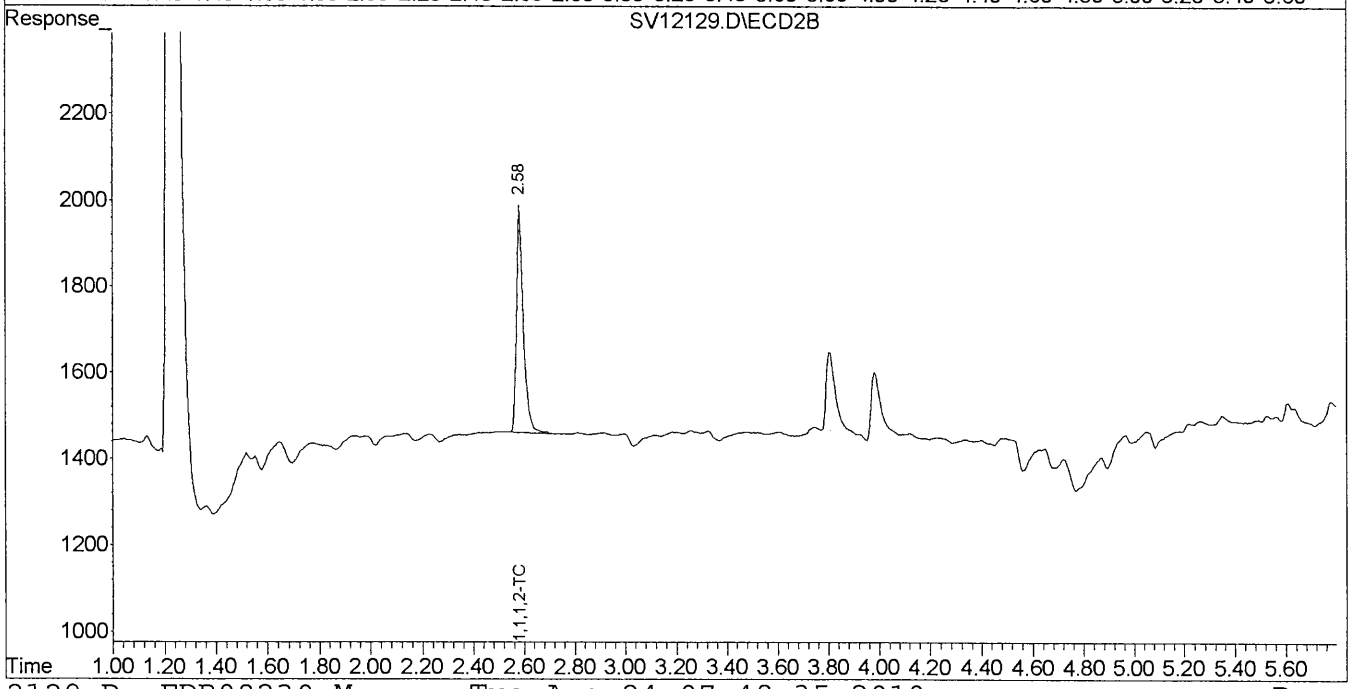
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\082310\SV12129.D\ECD1A.CH Vial: 15
Signal #2 : D:\HPCHEM\1\DATA\082310\SV12129.D\ECD2B.CH
Acq On : 23 Aug 2010 5:29 pm Operator:
Sample : 92079.03 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Aug 24 7:47 2010 Quant Results File: EDB08230.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB08230.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 24 07:45:02 2010
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Metals

Summary Tables

Sample/Batch Report

User Name: ICPMS1
Computer Name: ICPMS1
Sample File: C:\elandata\Sample\AQUIRE_August242010.1HCl.sam
Report Date/Time: Wednesday, September 08, 2010 11:22:43

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
		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	6/23 A	Sample					
29		BLK	6/23 B	Sample					
30		BLK	6/24 A	Sample					
31		Ag LCS	6/23 A	Sample					
32		Ag LCS	6/23 B	Sample					
33		Ag LCS	6/24 A	Sample					
34		LCS	6/23 A	Sample					
35		LCS	6/23 B	Sample					
36		LCS	6/24 A	Sample					
37		flush		Sample					
38		flush		Sample					
39		flush		Sample					
40		92120.01		Sample					
41		92120.02		Sample					
42		92049.01	AqTot	Sample					
43		92049.02	AqTot	Sample					
44		92049.03	AqTot	Sample					
45		92049.04	AqTot	Sample					
46		92049.05	AqTot	Sample					
47		92049.06	AqTot	Sample					
48		92049.07	AqTot	Sample					
49		92049.07 MS	AqTot	Sample					

50	92049.07 MS	AqTot	Sample
51	flush		Sample
52	flush		Sample
53	flush		Sample
54	92049.08	AqTot	Sample
55	92049.09	AqTot	Sample
56	92049.10	AqTot	Sample
57	92049.11	AqTot	Sample
58	92049.12	AqTot	Sample
59	92049.13	AqTot	Sample
60	92049.14	AqTot	Sample
61	92049.15	AqTot	Sample
62	92049.16	AqTot	Sample
63	92049.17	AqTot	Sample
64	92049.17 MS	AqTot pre	Sample
65	92049.17 MS	AqTot pre	Sample
66	flush		Sample
67	92049.17 MS	AqTot post	Sample
68	92049.17 MS	AqTot post	Sample
69	flush		Sample
70	flush		Sample
71	flush		Sample
72	92049.18	AqTot	Sample
73	92049.19	AqTot	Sample
74	92049.20	AqTot	Sample
75	92049.21	AqTot	Sample
76	92049.24	AqTot	Sample
77	92049.25	AqTot	Sample
78	92079.01	AqTot	Sample
79	92079.02	AqTot	Sample
80	92079.03	AqTot	Sample
81	92079.03 MS	AqTot pre	Sample
82	92079.03 MS	AqTot pre	Sample
83	flush		Sample
84	92079.03 MS	AqTot post	Sample
85	92079.03 MS	AqTot post	Sample
86	flush		Sample
87	flush		Sample
88	flush		Sample
89	92079.04	AqTot	Sample
90	92079.05	AqTot	Sample
91	92079.06	AqTot	Sample
92	92079.07	AqTot	Sample
93	92049.01	AqDis	Sample
94	92049.02	AqDis	Sample
95	92049.03	AqDis	Sample
96	92049.04	AqDis	Sample
97	92049.04 MS	AqDis	Sample
98	92049.04 MS	AqDis	Sample
99	flush		Sample
100	flush		Sample
101	flush		Sample
102	92049.05	AqDis	Sample
103	92049.08	AqDis	Sample
104	92049.09	AqDis	Sample
105	92049.10	AqDis	Sample
106	92049.11	AqDis	Sample
107	92049.12	AqDis	Sample
108	92049.16	AqDis	Sample
109	92049.17	AqDis	Sample

110	92049.17 MS	AqDis	Sample
111	92049.17 MSl	AqDis	Sample
112	flush		Sample
113	flush		Sample
114	flush		Sample
115	92049.18	AqDis	Sample
116	92049.19	AqDis	Sample
117	92049.20	AqDis	Sample
118	92049.21	AqDis	Sample
119	92049.24	AqDis	Sample
120	92049.25	AqDis	Sample
121	92079.02	AqDis	Sample
122	92079.03	AqDis	Sample
123	92079.03 MS	AqDis	Sample
124	92079.03 MSl	AqDis	Sample
125	flush		Sample
126	flush		Sample
127	flush		Sample
128	92079.04	AqDis	Sample
129	92079.05	AqDis	Sample
130	92079.06	AqDis	Sample
131	92079.07	AqDis	Sample
132	92049.04	AqTot 1:10	Sample
133	92049.07	AqTot 1:10	Sample
134	92049.13	AqTot 1:10	Sample
135	92049.14	AqTot 1:10	Sample
136	92049.16	AqTot 1:10	Sample
137	92049.17	AqTot 1:10	Sample
138	92049.18	AqTot 1:10	Sample
139	92049.19	AqTot 1:10	Sample
140	92049.20	AqTot 1:10	Sample
141	92079.01	AqTot 1:10	Sample
142	92049.17 MS	AqTot 1:10	Sample
143	92049.17 MSl	AqTot 1:10	Sample
144	flush		Sample
145	92049.01	AqTot 1:1	Sample
146	92049.02	AqTot 1:1	Sample
147	92049.06	AqTot 1:1	Sample
148	92049.08	AqTot 1:1	Sample
149	92079.02	AqTot 1:1	Sample
150	92079.03	AqTot 1:1	Sample
151	92079.04	AqTot 1:1	Sample
152	92079.03 MS	AqTot 1:10	Sample
153	92079.03 MSl	AqTot 1:10	Sample
154	flush		Sample
155	flush		Sample
156	92079.05	Ag Check	Sample
157	92079.06	Ag Check	Sample
158	92079.07	Ag Check	Sample
159			Sample
160			Sample

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Tuesday, August 24, 2010 12:00:37
Sample Description:
Method File: C:\Elandata\Method\EPA200 DAILY.mth
Dataset File: C:\Elandata\Dataset\daily performance\Sample.001
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	64364.9	64364.876	467.923	0.7
	Rh	102.9	353462.2	353462.158	1299.185	0.4
	In	114.9	442433.2	442433.205	1368.874	0.3
	Pb	208.0	227214.4	227214.396	1880.269	0.8
⌈>	Ba	137.9	365639.6	365639.611	1063.994	0.3
⌊	Ba++	69.0	4590.2	0.013	0.000	1.9
⌈>	Ce	139.9	435953.4	435953.376	1753.438	0.4
⌊	CeO	155.9	12653.3	0.029	0.000	1.1
	Bkgd	220.0	5.2	5.201	2.864	55.1

Current Optimization File Data

Current Value	Description
1.01	Nebulizer Gas Flow
6.50	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	13	5.5	5271.0
Co	59	13	6.0	159352.0
In	115	13	6.5	442306.9

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	604	2087	0.607	
Mg	23.985	24.028	5739	2024	0.617	
Rh	102.905	102.928	25068	1900	0.642	
Ce	139.905	139.879	34042	1961	0.644	
Pb	207.977	207.977	50458	2247	0.594	

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Blank Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID:	QC Std 1	Sample ID:	QC Std 1
Sample Date/Time:	Tuesday, August 24, 2010 13:20:53	Sample Date/Time:	Tuesday, August 24, 2010 15:01:27
Sample Description:	CCB	Sample Description:	CCB

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	99.663
Hg	< 0.2	ug/L	
Ho		ug/L	99.196
In		ug/L	99.088
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	99.948
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Concentration Results			Int Std
Analyte	RL	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	101.686
Hg	< 0.2	ug/L	
Ho		ug/L	100.452
In		ug/L	99.429
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	104.115
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Sample ID:	QC Std 1		
Sample Date/Time:	Tuesday, August 24, 2010 15:29:42		
Sample Description:	CCB		

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	102.23
Hg	< 0.2	ug/L	
Ho		ug/L	99.869
In		ug/L	99.778
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	103.194
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

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Blank Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID:	QC Std 1	Sample ID:	QC Std 1
Sample Date/Time:	Tuesday, August 24, 2010 17:21:23	Sample Date/Time:	Tuesday, August 24, 2010 18:54:30
Sample Description:	CCB	Sample Description:	CCB

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	95.453
Hg	< 0.2	ug/L	
Ho		ug/L	98.689
In		ug/L	98.498
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	98.226
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	96.495
Hg	< 0.2	ug/L	
Ho		ug/L	95.461
In		ug/L	95.619
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	96.393
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Sample ID:	QC Std 1		
Sample Date/Time:	Tuesday, August 24, 2010 20:27:56		
Sample Description:	CCB		

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	100.209
Hg	< 0.2	ug/L	
Ho		ug/L	100.639
In		ug/L	97.97
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	99.108
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

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Blank Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID:	QC Std 1			Sample ID:	QC Std 1			Sample ID:	QC Std 1		
Sample Date/Time:	Tuesday, August 24, 2010 22:01:54			Sample Date/Time:	Tuesday, August 24, 2010 23:35:47			Sample Date/Time:	Wednesday, August 25, 2010 01:09:48		
Sample Description:	CCB			Sample Description:	CCB			Sample Description:	CCB		
Concentration Results			Int Std								
Analyte	Conc.	Unit	% R								
Ag	< 1	ug/L		Ag	< 1	ug/L		Ag	< 1	ug/L	
Al	< 50	ug/L		Al	< 50	ug/L		Al	< 50	ug/L	
As	< 1	ug/L		As	< 1	ug/L		As	< 1	ug/L	
Ba	< 1	ug/L		Ba	< 1	ug/L		Ba	< 1	ug/L	
Be	< 1	ug/L		Be	< 1	ug/L		Be	< 1	ug/L	
Ca	< 50	ug/L		Ca	< 50	ug/L		Ca	< 50	ug/L	
Cd	< 1	ug/L		Cd	< 1	ug/L		Cd	< 1	ug/L	
Co	< 1	ug/L		Co	< 1	ug/L		Co	< 1	ug/L	
Cr	< 1	ug/L		Cr	< 1	ug/L		Cr	< 1	ug/L	
Cu	< 1	ug/L		Cu	< 1	ug/L		Cu	< 1	ug/L	
Fe	< 50	ug/L		Fe	< 50	ug/L		Fe	< 50	ug/L	
Ge		ug/L	89.321	Ge		ug/L	89.173	Ge		ug/L	82.65
Hg	< 0.2	ug/L		Hg	< 0.2	ug/L		Hg	< 0.2	ug/L	
Ho		ug/L	95.107	Ho		ug/L	94.71	Ho		ug/L	90.653
In		ug/L	91.879	In		ug/L	90.825	In		ug/L	85.47
K	< 50	ug/L		K	< 50	ug/L		K	< 50	ug/L	
Mg	< 50	ug/L		Mg	< 50	ug/L		Mg	< 50	ug/L	
Mn	< 5	ug/L		Mn	< 5	ug/L		Mn	< 5	ug/L	
Na	< 5000	ug/L		Na	< 5000	ug/L		Na	< 5000	ug/L	
Ni	< 1	ug/L		Ni	< 1	ug/L		Ni	< 1	ug/L	
Pb	< 1	ug/L		Pb	< 1	ug/L		Pb	< 1	ug/L	
Sb	< 1	ug/L		Sb	< 1	ug/L		Sb	< 1	ug/L	
Sc		ug/L	89.12	Sc		ug/L	89.851	Sc		ug/L	81.516
Se	< 1	ug/L		Se	< 1	ug/L		Se	< 1	ug/L	
Tl	< 1	ug/L		Tl	< 1	ug/L		Tl	< 1	ug/L	
V	< 1	ug/L		V	< 1	ug/L		V	< 1	ug/L	
Zn	< 5	ug/L		Zn	< 5	ug/L		Zn	< 5	ug/L	

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Blank Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID:	QC Std 1		Sample ID:	QC Std 1		Sample ID:	QC Std 1	
Sample Date/Time:	Wednesday, August 25, 2010 02:43:32		Sample Date/Time:	Wednesday, August 25, 2010 04:17:18		Sample Date/Time:	Wednesday, August 25, 2010 05:51:12	
Sample Description:	CCB		Sample Description:	CCB		Sample Description:	CCB	
Ag	< 1	ug/L	Ag	< 1	ug/L	Ag	< 1	ug/L
Al	< 50	ug/L	Al	< 50	ug/L	Al	< 50	ug/L
As	< 1	ug/L	As	< 1	ug/L	As	< 1	ug/L
Ba	< 1	ug/L	Ba	< 1	ug/L	Ba	< 1	ug/L
Be	< 1	ug/L	Be	< 1	ug/L	Be	< 1	ug/L
Ca	< 50	ug/L	Ca	< 50	ug/L	Ca	< 50	ug/L
Cd	< 1	ug/L	Cd	< 1	ug/L	Cd	< 1	ug/L
Co	< 1	ug/L	Co	< 1	ug/L	Co	< 1	ug/L
Cr	< 1	ug/L	Cr	< 1	ug/L	Cr	< 1	ug/L
Cu	< 1	ug/L	Cu	< 1	ug/L	Cu	< 1	ug/L
Fe	< 50	ug/L	Fe	< 50	ug/L	Fe	< 50	ug/L
Ge		ug/L 86.205	Ge		ug/L 90.112	Ge		ug/L 84.153
Hg	< 0.2	ug/L	Hg	< 0.2	ug/L	Hg	< 0.2	ug/L
Ho		ug/L 91.87	Ho		ug/L 96.085	Ho		ug/L 92.13
In		ug/L 88.316	In		ug/L 91.244	In		ug/L 86.801
K	< 50	ug/L	K	< 50	ug/L	K	< 50	ug/L
Mg	< 50	ug/L	Mg	< 50	ug/L	Mg	< 50	ug/L
Mn	< 5	ug/L	Mn	< 5	ug/L	Mn	< 5	ug/L
Na	< 5000	ug/L	Na	< 5000	ug/L	Na	< 5000	ug/L
Ni	< 1	ug/L	Ni	< 1	ug/L	Ni	< 1	ug/L
Pb	< 1	ug/L	Pb	< 1	ug/L	Pb	< 1	ug/L
Sb	< 1	ug/L	Sb	< 1	ug/L	Sb	< 1	ug/L
Sc		ug/L 86.248	Sc		ug/L 90.246	Sc		ug/L 83.605
Se	< 1	ug/L	Se	< 1	ug/L	Se	< 1	ug/L
Tl	< 1	ug/L	Tl	< 1	ug/L	Tl	< 1	ug/L
V	< 1	ug/L	V	< 1	ug/L	V	< 1	ug/L
Zn	< 5	ug/L	Zn	< 5	ug/L	Zn	< 5	ug/L

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Blank Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID:	QC Std 1		Sample ID:	QC Std 1		Sample ID:	QC Std 1	
Sample Date/Time:	Wednesday, August 25, 2010 07:24:46		Sample Date/Time:	Wednesday, August 25, 2010 08:19:22		Sample Date/Time:	Wednesday, August 25, 2010 10:01:31	
Sample Description:	CCB		Sample Description:	CCB		Sample Description:	CCB	
Ag	< 1	ug/L	Ag	< 1	ug/L	Ag	< 1	ug/L
Al	< 50	ug/L	Al	< 50	ug/L	Al	< 50	ug/L
As	< 1	ug/L	As	< 1	ug/L	As	< 1	ug/L
Ba	< 1	ug/L	Ba	< 1	ug/L	Ba	< 1	ug/L
Be	< 1	ug/L	Be	< 1	ug/L	Be	< 1	ug/L
Ca	< 50	ug/L	Ca	< 50	ug/L	Ca	< 50	ug/L
Cd	< 1	ug/L	Cd	< 1	ug/L	Cd	< 1	ug/L
Co	< 1	ug/L	Co	< 1	ug/L	Co	< 1	ug/L
Cr	< 1	ug/L	Cr	< 1	ug/L	Cr	< 1	ug/L
Cu	< 1	ug/L	Cu	< 1	ug/L	Cu	< 1	ug/L
Fe	< 50	ug/L	Fe	< 50	ug/L	Fe	< 50	ug/L
Ge		ug/L 84.514	Ge		ug/L 85.35	Ge		ug/L 85.429
Hg	< 0.2	ug/L	Hg	< 0.2	ug/L	Hg	< 0.2	ug/L
Ho		ug/L 91.915	Ho		ug/L 92.727	Ho		ug/L 93.431
In		ug/L 86.652	In		ug/L 87.551	In		ug/L 88.346
K	< 50	ug/L	K	< 50	ug/L	K	< 50	ug/L
Mg	< 50	ug/L	Mg	< 50	ug/L	Mg	< 50	ug/L
Mn	< 5	ug/L	Mn	< 5	ug/L	Mn	< 5	ug/L
Na	< 5000	ug/L	Na	< 5000	ug/L	Na	< 5000	ug/L
Ni	< 1	ug/L	Ni	< 1	ug/L	Ni	< 1	ug/L
Pb	< 1	ug/L	Pb	< 1	ug/L	Pb	< 1	ug/L
Sb	< 1	ug/L	Sb	< 1	ug/L	Sb	< 1	ug/L
Sc		ug/L 84.864	Sc		ug/L 85.279	Sc		ug/L 86.322
Se	< 1	ug/L	Se	< 1	ug/L	Se	< 1	ug/L
Tl	< 1	ug/L	Tl	< 1	ug/L	Tl	< 1	ug/L
V	< 1	ug/L	V	< 1	ug/L	V	< 1	ug/L
Zn	< 5	ug/L	Zn	< 5	ug/L	Zn	< 5	ug/L

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Blank Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID:	QC Std 1		Sample ID:	QC Std 1		Sample ID:	QC Std 1	
Sample Date/Time:	Wednesday, August 25, 2010 11:54:43		Sample Date/Time:	Wednesday, August 25, 2010 12:29:11		Sample Date/Time:	Wednesday, August 25, 2010 13:23:40	
Sample Description:	CCB		Sample Description:	CCB		Sample Description:	CCB	
Ag	< 1	ug/L	Ag	< 1	ug/L	Ag	< 1	ug/L
Al	< 50	ug/L	Al	< 50	ug/L	Al	< 50	ug/L
As	< 1	ug/L	As	< 1	ug/L	As	< 1	ug/L
Ba	< 1	ug/L	Ba	< 1	ug/L	Ba	< 1	ug/L
Be	< 1	ug/L	Be	< 1	ug/L	Be	< 1	ug/L
Ca	< 50	ug/L	Ca	< 50	ug/L	Ca	< 50	ug/L
Cd	< 1	ug/L	Cd	< 1	ug/L	Cd	< 1	ug/L
Co	< 1	ug/L	Co	< 1	ug/L	Co	< 1	ug/L
Cr	< 1	ug/L	Cr	< 1	ug/L	Cr	< 1	ug/L
Cu	< 1	ug/L	Cu	< 1	ug/L	Cu	< 1	ug/L
Fe	< 50	ug/L	Fe	< 50	ug/L	Fe	< 50	ug/L
Ge		ug/L 85.965	Ge		ug/L 86.598	Ge		ug/L 84.141
Hg	< 0.2	ug/L	Hg	< 0.2	ug/L	Hg	< 0.2	ug/L
Ho		ug/L 94.123	Ho		ug/L 94.077	Ho		ug/L 93.549
In		ug/L 88.188	In		ug/L 88.186	In		ug/L 87.37
K	< 50	ug/L	K	< 50	ug/L	K	< 50	ug/L
Mg	< 50	ug/L	Mg	< 50	ug/L	Mg	< 50	ug/L
Mn	< 5	ug/L	Mn	< 5	ug/L	Mn	< 5	ug/L
Na	< 5000	ug/L	Na	< 5000	ug/L	Na	< 5000	ug/L
Ni	< 1	ug/L	Ni	< 1	ug/L	Ni	< 1	ug/L
Pb	< 1	ug/L	Pb	< 1	ug/L	Pb	< 1	ug/L
Sb	< 1	ug/L	Sb	< 1	ug/L	Sb	< 1	ug/L
Sc		ug/L 86.165	Sc		ug/L 87.027	Sc		ug/L 84.739
Se	< 1	ug/L	Se	< 1	ug/L	Se	< 1	ug/L
Tl	< 1	ug/L	Tl	< 1	ug/L	Tl	< 1	ug/L
V	< 1	ug/L	V	< 1	ug/L	V	< 1	ug/L
Zn	< 5	ug/L	Zn	< 5	ug/L	Zn	< 5	ug/L

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 24, 2010 13:27:55
Sample Description: CV-Trace Metals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	109.907443	ug/L	110.79	
As	100	105.544301	ug/L	106.08	
Ba	100	102.611509	ug/L	103.23	
Be	100	99.04433	ug/L	99.74	
Ca	100	114.329226	ug/L	114.79	
Cd	100	102.347534	ug/L	102.66	
Co	100	100.72916	ug/L	101.44	
Cr	100	100.690437	ug/L	100.99	
Cu	100	100.45876	ug/L	101.17	
Fe	100	102.465298	ug/L	102.77	
Ge			ug/L		101.11
Hg	1	0.996715	ug/L	99.67	
Ho			ug/L		99.40
In			ug/L		98.68
K	1000	1035.03273	ug/L	103.50	
Mg	100	109.617354	ug/L	109.40	
Mn	100	97.987702	ug/L	98.78	
Na	100	107.729934	ug/L	108.27	
Ni	100	101.023926	ug/L	101.94	
Pb	100	101.147513	ug/L	101.15	
Sb	100	100.300392	ug/L	100.91	
Sc			ug/L		100.49
Se	100	98.947645	ug/L	99.65	
Tl	100	99.296059	ug/L	100.20	
V	100	100.551774	ug/L	100.96	
Zn	100	98.946557	ug/L	99.34	

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 24, 2010 15:36:44
Sample Description: CV-Trace Metals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	108.618267	ug/L	109.49	
As	100	105.731247	ug/L	106.26	
Ba	100	102.15911	ug/L	102.78	
Be	100	100.26607	ug/L	100.97	
Ca	100	114.22885	ug/L	114.69	
Cd	100	102.837201	ug/L	103.15	
Co	100	101.011083	ug/L	101.72	
Cr	100	100.471289	ug/L	100.77	
Cu	100	101.114928	ug/L	101.83	
Fe	100	106.88629	ug/L	107.21	
Ge			ug/L		102.11
Hg	1	1.013113	ug/L	101.31	
Ho			ug/L		100.39
In			ug/L		98.88
K	1000	1036.49354	ug/L	103.65	
Mg	100	107.794841	ug/L	107.58	
Mn	100	97.94442	ug/L	98.73	
Na	100	107.979988	ug/L	108.52	
Ni	100	101.634732	ug/L	102.56	
Pb	100	101.116609	ug/L	101.12	
Sb	100	99.683644	ug/L	100.29	
Sc			ug/L		101.98
Se	100	98.492624	ug/L	99.19	
Tl	100	100.694973	ug/L	101.61	
V	100	99.888726	ug/L	100.29	
Zn	100	100.009121	ug/L	100.41	

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 13:41:58
Sample Description: CV - Ag

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	43.345823	ug/L	102.72	
Ge			ug/L		100.17
Ho			ug/L		100.85
In			ug/L		100.16
Sc			ug/L		100.75

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 15:43:47
Sample Description: CV - Ag

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	44.788472	ug/L	106.13	
Ge			ug/L		100.63
Ho			ug/L		98.96
In			ug/L		100.39
Sc			ug/L		103.05

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 13:49:03
Sample Description: CV - Minerals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10383.376	ug/L	103.83	
Ca	1000	10285.4942	ug/L	102.86	
Fe	1000	10471.7122	ug/L	104.72	
Ge			ug/L		101.35
Ho			ug/L		98.43
In			ug/L		96.76
K	1000	10431.6558	ug/L	104.32	
Mg	1000	10267.8205	ug/L	102.68	
Na	1000	10247.0719	ug/L	102.47	
P	1000	10153.5181	ug/L	101.54	
Sc			ug/L		99.25

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 15:50:51
Sample Description: CV - Minerals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10172.3177	ug/L	101.72	
Ca	1000	10221.8354	ug/L	102.22	
Fe	1000	10321.498	ug/L	103.22	
Ge			ug/L		101.71
Ho			ug/L		99.06
In			ug/L		98.59
K	1000	10253.8131	ug/L	102.54	
Mg	1000	10209.3677	ug/L	102.09	
Na	1000	10113.9395	ug/L	101.14	
P	1000	10115.6047	ug/L	101.16	
Sc			ug/L		101.85

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 24, 2010 17:28:25
Sample Description: CV-Trace Metals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	109.499958	ug/L	110.38	
As	100	106.371245	ug/L	106.91	
Ba	100	101.421936	ug/L	102.03	
Be	100	100.383027	ug/L	101.09	
Ca	100	109.83591	ug/L	110.28	
Cd	100	101.981255	ug/L	102.29	
Co	100	99.659625	ug/L	100.36	
Cr	100	99.07377	ug/L	99.37	
Cu	100	99.811514	ug/L	100.52	
Fe	100	93.732615	ug/L	94.02	
Ge			ug/L		94.43
Hg	1	1.007145	ug/L	100.71	
Ho			ug/L		95.97
In			ug/L		95.76
K	1000	1031.36872	ug/L	103.14	
Mg	100	109.269788	ug/L	109.05	
Mn	100	97.24868	ug/L	98.03	
Na	100	109.661697	ug/L	110.21	
Ni	100	99.384973	ug/L	100.29	
Pb	100	102.62602	ug/L	102.63	
Sb	100	99.009639	ug/L	99.61	
Sc			ug/L		97.24
Se	100	100.959019	ug/L	101.67	
Tl	100	101.893164	ug/L	102.82	
V	100	97.775417	ug/L	98.17	
Zn	100	97.952478	ug/L	98.35	

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 24, 2010 19:01:32
Sample Description: CV-Trace Metals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	109.267519	ug/L	110.15	
As	100	106.315048	ug/L	106.85	
Ba	100	100.706327	ug/L	101.31	
Be	100	98.985963	ug/L	99.68	
Ca	100	109.212515	ug/L	109.65	
Cd	100	101.305367	ug/L	101.61	
Co	100	100.346668	ug/L	101.05	
Cr	100	100.396781	ug/L	100.70	
Cu	100	99.216882	ug/L	99.92	
Fe	100	108.249105	ug/L	108.58	
Ge			ug/L		95.57
Hg	1	1.016966	ug/L	101.70	
Ho			ug/L		96.33
In			ug/L		97.04
K	1000	1043.08944	ug/L	104.31	
Mg	100	110.373547	ug/L	110.15	
Mn	100	98.912379	ug/L	99.71	
Na	100	112.801648	ug/L	113.37	
Ni	100	99.761644	ug/L	100.67	
Pb	100	100.909586	ug/L	100.91	
Sb	100	98.870529	ug/L	99.47	
Sc			ug/L		97.64
Se	100	101.758383	ug/L	102.48	
Tl	100	100.07638	ug/L	100.99	
V	100	99.847515	ug/L	100.25	
Zn	100	98.026795	ug/L	98.42	

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 17:35:28
Sample Description: CV - Ag

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	44.322051	ug/L	105.03	
Ge			ug/L		95.20
Ho			ug/L		96.49
In			ug/L		96.12
Sc			ug/L		98.10

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 19:08:35
Sample Description: CV - Ag

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	43.851477	ug/L	103.91	
Ge			ug/L		96.82
Ho			ug/L		97.78
In			ug/L		97.09
Sc			ug/L		97.56

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 17:42:32
Sample Description: CV - Minerals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10145.0184	ug/L	101.45	
Ca	1000	10254.8455	ug/L	102.55	
Fe	1000	10010.1456	ug/L	100.10	
Ge			ug/L		97.46
Ho			ug/L		96.14
In			ug/L		96.07
K	1000	10192.7346	ug/L	101.93	
Mg	1000	10223.1496	ug/L	102.23	
Na	1000	10288.0547	ug/L	102.88	
P	1000	10122.1791	ug/L	101.22	
Sc			ug/L		98.83

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 19:15:39
Sample Description: CV - Minerals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10951.6491	ug/L	109.52	
Ca	1000	10785.5425	ug/L	107.86	
Fe	1000	10986.6874	ug/L	109.87	
Ge			ug/L		95.96
Ho			ug/L		94.50
In			ug/L		93.31
K	1000	10732.2675	ug/L	107.32	
Mg	1000	10939.4954	ug/L	109.40	
Na	1000	10912.3969	ug/L	109.12	
P	1000	10781.5583	ug/L	107.82	
Sc			ug/L		93.73

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2 QC Std 2
Sample Dat Tuesday, A Tuesday, August 24, 2010 20:34:58
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	106.217522	ug/L	107.07	
As	100	102.074621	ug/L	102.59	
Ba	100	96.898329	ug/L	97.48	
Be	100	97.862223	ug/L	98.55	
Ca	100	107.921432	ug/L	108.36	
Cd	100	97.113929	ug/L	97.41	
Co	100	97.082012	ug/L	97.77	
Cr	100	96.698495	ug/L	96.99	
Cu	100	96.521277	ug/L	97.20	
Fe	100	93.06367	ug/L	93.34	
Ge			ug/L		100.34
Hg	1	0.970825	ug/L	97.08	
Ho			ug/L		102.04
In			ug/L		100.85
K	1000	1009.52527	ug/L	100.95	
Mg	100	106.263014	ug/L	106.05	
Mn	100	95.700764	ug/L	96.47	
Na	100	109.471469	ug/L	110.02	
Ni	100	97.043698	ug/L	97.93	
Pb	100	97.507789	ug/L	97.51	
Sb	100	94.599111	ug/L	95.17	
Sc			ug/L		99.91
Se	100	96.202165	ug/L	96.88	
Tl	100	97.280131	ug/L	98.16	
V	100	96.195042	ug/L	96.58	
Zn	100	96.770078	ug/L	97.16	

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 24, 2010 22:08:56
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	115.506903	ug/L	116.44	
As	100	105.255308	ug/L	105.78	
Ba	100	101.638806	ug/L	102.25	
Be	100	100.467729	ug/L	101.18	
Ca	100	112.588983	ug/L	113.04	
Cd	100	99.774541	ug/L	100.08	
Co	100	101.131883	ug/L	101.85	
Cr	100	100.715972	ug/L	101.02	
Cu	100	101.682317	ug/L	102.40	
Fe	100	110.4422	ug/L	110.78	
Ge			ug/L		89.05
Hg	1	0.997174	ug/L	99.72	
Ho			ug/L		93.03
In			ug/L		91.65
K	1000	1061.49152	ug/L	106.15	
Mg	100	114.932482	ug/L	114.70	
Mn	100	100.546081	ug/L	101.36	
Na	100	120.93269	ug/L	121.54	
Ni	100	102.232401	ug/L	103.16	
Pb	100	100.278798	ug/L	100.28	
Sb	100	98.977087	ug/L	99.58	
Sc			ug/L		88.15
Se	100	100.035661	ug/L	100.74	
Tl	100	100.285756	ug/L	101.20	
V	100	100.033223	ug/L	100.44	
Zn	100	99.851832	ug/L	100.25	

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 20:42:01
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	42.344087	ug/L	100.34	
Ge			ug/L		99.88
Ho			ug/L		100.97
In			ug/L		100.18
Sc			ug/L		100.35

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 22:16:00
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	42.917261	ug/L	101.70	
Ge			ug/L		89.91
Ho			ug/L		94.66
In			ug/L		92.19
Sc			ug/L		89.00

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 20:49:05
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10712.1661	ug/L	107.12	
Ca	1000	10696.8545	ug/L	106.97	
Fe	1000	10653.6975	ug/L	106.54	
Ge			ug/L		96.30
Ho			ug/L		95.22
In			ug/L		93.96
K	1000	10578.3099	ug/L	105.78	
Mg	1000	10658.2237	ug/L	106.58	
Na	1000	10567.7912	ug/L	105.68	
P	1000	10477.1004	ug/L	104.77	
Sc			ug/L		95.31

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 22:23:04
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10981.3113	ug/L	109.81	
Ca	1000	10585.0564	ug/L	105.85	
Fe	1000	10580.1169	ug/L	105.80	
Ge			ug/L		89.40
Ho			ug/L		93.10
In			ug/L		89.51
K	1000	10595.6476	ug/L	105.96	
Mg	1000	10923.3975	ug/L	109.23	
Na	1000	10989.794	ug/L	109.90	
P	1000	10663.5996	ug/L	106.64	
Sc			ug/L		88.39

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Tuesday, August 24, 2010 23:42:49
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	113.835764	ug/L	114.75	
As	100	106.464998	ug/L	107.00	
Ba	100	100.587278	ug/L	101.19	
Be	100	98.582157	ug/L	99.28	
Ca	100	109.665125	ug/L	110.11	
Cd	100	98.912178	ug/L	99.21	
Co	100	99.225429	ug/L	99.93	
Cr	100	98.609362	ug/L	98.91	
Cu	100	99.888453	ug/L	100.59	
Fe	100	109.045078	ug/L	109.37	
Ge			ug/L		89.00
Hg	1	0.950573	ug/L	95.06	
Ho			ug/L		94.91
In			ug/L		91.81
K	1000	1048.65762	ug/L	104.87	
Mg	100	113.929979	ug/L	113.70	
Mn	100	98.361648	ug/L	99.16	
Na	100	118.025197	ug/L	118.62	
Ni	100	100.27838	ug/L	101.19	
Pb	100	97.534141	ug/L	97.53	
Sb	100	97.310902	ug/L	97.90	
Sc			ug/L		89.58
Se	100	100.065938	ug/L	100.77	
Tl	100	97.487036	ug/L	98.37	
V	100	98.296836	ug/L	98.69	
Zn	100	97.694066	ug/L	98.09	

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 01:16:50
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	115.724895	ug/L	116.66	
As	100	106.466185	ug/L	107.00	
Ba	100	103.217811	ug/L	103.84	
Be	100	98.990163	ug/L	99.69	
Ca	100	108.809067	ug/L	109.25	
Cd	100	98.434506	ug/L	98.73	
Co	100	101.311366	ug/L	102.03	
Cr	100	100.116087	ug/L	100.42	
Cu	100	101.668314	ug/L	102.39	
Fe	100	113.586679	ug/L	113.93	
Ge			ug/L		83.59
Hg	1	0.978148	ug/L	97.81	
Ho			ug/L		90.31
In			ug/L		86.70
K	1000	1057.02003	ug/L	105.70	
Mg	100	117.135467	ug/L	116.90	
Mn	100	98.950434	ug/L	99.75	
Na	100	123.014069	ug/L	123.63	
Ni	100	102.099409	ug/L	103.03	
Pb	100	100.049229	ug/L	100.05	
Sb	100	98.647555	ug/L	99.24	
Sc			ug/L		82.58
Se	100	99.870076	ug/L	100.57	
Tl	100	99.225452	ug/L	100.13	
V	100	99.377456	ug/L	99.78	
Zn	100	98.565075	ug/L	98.96	

Sample ID: QC Std 5
Sample Date/Time: Tuesday, August 24, 2010 23:49:52
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	42.474545	ug/L	100.65	
Ge			ug/L		89.98
Ho			ug/L		94.30
In			ug/L		92.42
Sc			ug/L		90.37

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 01:23:53
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	43.775412	ug/L	103.73	
Ge			ug/L		84.32
Ho			ug/L		92.26
In			ug/L		86.18
Sc			ug/L		82.86

Sample ID: QC Std 6
Sample Date/Time: Tuesday, August 24, 2010 23:56:56
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10680.375	ug/L	106.80	
Ca	1000	10359.1264	ug/L	103.59	
Fe	1000	10429.9408	ug/L	104.30	
Ge			ug/L		91.26
Ho			ug/L		94.09
In			ug/L		90.20
K	1000	10406.4945	ug/L	104.07	
Mg	1000	10644.6444	ug/L	106.45	
Na	1000	10732.8229	ug/L	107.33	
P	1000	10419.6033	ug/L	104.20	
Sc			ug/L		89.31

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 01:30:57
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10892.6196	ug/L	108.93	
Ca	1000	10274.7241	ug/L	102.75	
Fe	1000	10270.391	ug/L	102.70	
Ge			ug/L		84.66
Ho			ug/L		90.20
In			ug/L		85.75
K	1000	10325.8192	ug/L	103.26	
Mg	1000	10901.8457	ug/L	109.02	
Na	1000	10770.7942	ug/L	107.71	
P	1000	10671.9434	ug/L	106.72	
Sc			ug/L		83.48

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 02:50:35
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	114.488182	ug/L	115.41	
As	100	106.020343	ug/L	106.55	
Ba	100	101.401984	ug/L	102.01	
Be	100	100.275793	ug/L	100.98	
Ca	100	108.754401	ug/L	109.19	
Cd	100	98.309567	ug/L	98.61	
Co	100	101.132971	ug/L	101.85	
Cr	100	100.332748	ug/L	100.64	
Cu	100	101.972229	ug/L	102.69	
Fe	100	119.512495	ug/L	119.87	
Ge			ug/L		85.48
Hg	1	0.948863	ug/L	94.89	
Ho			ug/L		92.67
In			ug/L		88.42
K	1000	1047.80044	ug/L	104.78	
Mg	100	114.87881	ug/L	114.65	
Mn	100	99.836851	ug/L	100.64	
Na	100	123.627694	ug/L	124.25	
Ni	100	102.439042	ug/L	103.37	
Pb	100	99.357677	ug/L	99.36	
Sb	100	98.63367	ug/L	99.23	
Sc			ug/L		84.63
Se	100	99.921638	ug/L	100.63	
Tl	100	98.180311	ug/L	99.07	
V	100	98.357442	ug/L	98.75	
Zn	100	98.303648	ug/L	98.70	

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 04:24:20
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	111.9303	ug/L	112.83	
As	100	104.488269	ug/L	105.01	
Ba	100	101.012776	ug/L	101.62	
Be	100	101.519636	ug/L	102.24	
Ca	100	105.830395	ug/L	106.26	
Cd	100	98.385116	ug/L	98.68	
Co	100	100.326057	ug/L	101.03	
Cr	100	97.732872	ug/L	98.03	
Cu	100	100.361858	ug/L	101.07	
Fe	100	101.18532	ug/L	101.49	
Ge			ug/L		90.58
Hg	1	0.965032	ug/L	96.50	
Ho			ug/L		95.79
In			ug/L		90.95
K	1000	1015.56194	ug/L	101.56	
Mg	100	110.770605	ug/L	110.55	
Mn	100	98.397396	ug/L	99.19	
Na	100	115.133614	ug/L	115.71	
Ni	100	100.588835	ug/L	101.50	
Pb	100	98.986818	ug/L	98.99	
Sb	100	97.274291	ug/L	97.86	
Sc			ug/L		89.28
Se	100	98.080503	ug/L	98.77	
Tl	100	98.65514	ug/L	99.55	
V	100	96.517803	ug/L	96.91	
Zn	100	98.983064	ug/L	99.38	

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 02:57:38
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	42.886238	ug/L	101.63	
Ge			ug/L		86.08
Ho			ug/L		92.39
In			ug/L		88.03
Sc			ug/L		83.96

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 04:31:23
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	42.03351	ug/L	99.61	
Ge			ug/L		89.79
Ho			ug/L		95.89
In			ug/L		91.49
Sc			ug/L		90.04

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 03:04:42
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10927.897	ug/L	109.28	
Ca	1000	10408.4157	ug/L	104.08	
Fe	1000	10405.3007	ug/L	104.05	
Ge			ug/L		85.76
Ho			ug/L		91.31
In			ug/L		85.84
K	1000	10545.0552	ug/L	105.45	
Mg	1000	11006.2125	ug/L	110.06	
Na	1000	10900.9217	ug/L	109.01	
P	1000	10669.9628	ug/L	106.70	
Sc			ug/L		83.42

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 04:38:27
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10686.8934	ug/L	106.87	
Ca	1000	10301.489	ug/L	103.02	
Fe	1000	10395.8867	ug/L	103.96	
Ge			ug/L		88.59
Ho			ug/L		93.17
In			ug/L		87.70
K	1000	10304.0534	ug/L	103.04	
Mg	1000	10675.9434	ug/L	106.76	
Na	1000	10591.335	ug/L	105.91	
P	1000	10297.2771	ug/L	102.97	
Sc			ug/L		87.22

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 05:58:14
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	113.339536	ug/L	114.25	
As	100	105.328204	ug/L	105.86	
Ba	100	100.589164	ug/L	101.20	
Be	100	99.684094	ug/L	100.39	
Ca	100	103.093892	ug/L	103.51	
Cd	100	97.052225	ug/L	97.34	
Co	100	99.707219	ug/L	100.41	
Cr	100	98.228164	ug/L	98.52	
Cu	100	100.680471	ug/L	101.39	
Fe	100	113.30737	ug/L	113.65	
Ge			ug/L		83.75
Hg	1	0.943117	ug/L	94.31	
Ho			ug/L		91.78
In			ug/L		87.01
K	1000	1030.26597	ug/L	103.03	
Mg	100	114.270264	ug/L	114.04	
Mn	100	97.359559	ug/L	98.15	
Na	100	123.049868	ug/L	123.67	
Ni	100	101.27956	ug/L	102.20	
Pb	100	99.405789	ug/L	99.41	
Sb	100	96.090176	ug/L	96.67	
Sc			ug/L		83.22
Se	100	98.732239	ug/L	99.43	
Tl	100	97.646888	ug/L	98.53	
V	100	97.091195	ug/L	97.48	
Zn	100	97.166815	ug/L	97.56	

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 07:31:48
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	111.599961	ug/L	112.50	
As	100	104.259288	ug/L	104.78	
Ba	100	99.993803	ug/L	100.60	
Be	100	99.405931	ug/L	100.11	
Ca	100	102.389228	ug/L	102.80	
Cd	100	97.020697	ug/L	97.31	
Co	100	99.408628	ug/L	100.11	
Cr	100	96.200642	ug/L	96.49	
Cu	100	99.651047	ug/L	100.35	
Fe	100	104.041085	ug/L	104.35	
Ge			ug/L		83.88
Hg	1	0.93038	ug/L	93.04	
Ho			ug/L		91.25
In			ug/L		86.82
K	1000	1015.89622	ug/L	101.59	
Mg	100	111.627819	ug/L	111.41	
Mn	100	96.991772	ug/L	97.77	
Na	100	118.549814	ug/L	119.15	
Ni	100	99.516567	ug/L	100.42	
Pb	100	100.006979	ug/L	100.01	
Sb	100	95.939329	ug/L	96.52	
Sc			ug/L		84.53
Se	100	97.719752	ug/L	98.41	
Tl	100	98.147851	ug/L	99.04	
V	100	94.520772	ug/L	94.90	
Zn	100	96.253139	ug/L	96.64	

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 06:05:17
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	41.633135	ug/L	98.66	
Ge			ug/L		85.14
Ho			ug/L		93.07
In			ug/L		87.62
Sc			ug/L		83.60

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 07:38:51
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	41.755744	ug/L	98.95	
Ge			ug/L		82.68
Ho			ug/L		91.77
In			ug/L		87.24
Sc			ug/L		83.79

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 06:12:21
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10466.0611	ug/L	104.66	
Ca	1000	9962.4165	ug/L	99.62	
Fe	1000	9905.70081	ug/L	99.06	
Ge			ug/L		84.81
Ho			ug/L		92.56
In			ug/L		86.09
K	1000	10032.8898	ug/L	100.33	
Mg	1000	10522.7069	ug/L	105.23	
Na	1000	10369.3374	ug/L	103.69	
P	1000	10225.4224	ug/L	102.25	
Sc			ug/L		85.41

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 07:45:55
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10611.77	ug/L	106.12	
Ca	1000	10104.2436	ug/L	101.04	
Fe	1000	10125.9964	ug/L	101.26	
Ge			ug/L		84.08
Ho			ug/L		91.46
In			ug/L		84.75
K	1000	10127.4029	ug/L	101.27	
Mg	1000	10551.7213	ug/L	105.52	
Na	1000	10538.9395	ug/L	105.39	
P	1000	10244.8691	ug/L	102.45	
Sc			ug/L		83.91

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 08:26:24
Sample Description: CV-Trace Metals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	112.196277	ug/L	113.10	
As	100	105.253259	ug/L	105.78	
Ba	100	101.830937	ug/L	102.45	
Be	100	102.62445	ug/L	103.35	
Ca	100	106.097953	ug/L	106.52	
Cd	100	98.550705	ug/L	98.85	
Co	100	100.522879	ug/L	101.23	
Cr	100	97.348828	ug/L	97.64	
Cu	100	101.05942	ug/L	101.77	
Fe	100	108.904701	ug/L	109.23	
Ge			ug/L		85.00
Hg	1	0.937593	ug/L	93.76	
Ho			ug/L		92.70
In			ug/L		86.44
K	1000	1019.91825	ug/L	101.99	
Mg	100	113.143624	ug/L	112.92	
Mn	100	98.255015	ug/L	99.05	
Na	100	118.302006	ug/L	118.90	
Ni	100	100.811534	ug/L	101.73	
Pb	100	99.368286	ug/L	99.37	
Sb	100	97.543038	ug/L	98.13	
Sc			ug/L		85.06
Se	100	98.620657	ug/L	99.32	
Tl	100	97.18078	ug/L	98.06	
V	100	96.722835	ug/L	97.11	
Zn	100	98.660318	ug/L	99.06	

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 12:01:45
Sample Description: CV-Trace Metals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	100	102.90718	ug/L	103.74	
As	100	98.241964	ug/L	98.74	
Ba	100	94.567969	ug/L	95.14	
Be	100	93.440208	ug/L	94.10	
Ca	100	103.97082	ug/L	104.39	
Cd	100	93.663057	ug/L	93.95	
Co	100	92.975041	ug/L	93.63	
Cr	100	90.411574	ug/L	90.68	
Cu	100	93.881212	ug/L	94.54	
Fe	100	184.703047	ug/L	185.26	
Ge			ug/L		62.49
Hg	1	0.901957	ug/L	90.20	
Ho			ug/L		64.70
In			ug/L		60.93
K	1000	968.499484	ug/L	96.85	
Mg	100	103.739154	ug/L	103.53	
Mn	100	90.539039	ug/L	91.27	
Na	100	108.412971	ug/L	108.96	
Ni	100	95.072609	ug/L	95.94	
Pb	100	93.907009	ug/L	93.91	
Sb	100	89.48384	ug/L	90.02	
Sc			ug/L		62.18
Se	100	89.720041	ug/L	90.35	
Tl	100	90.793156	ug/L	91.62	
V	100	89.075944	ug/L	89.43	
Zn	100	89.761299	ug/L	90.12	

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 08:33:27
Sample Description: CV - Ag

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	42.443612	ug/L	100.58	
Ge			ug/L		84.55
Ho			ug/L		91.02
In			ug/L		86.31
Sc			ug/L		85.85

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 10:15:37
Sample Description: CV - Ag

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Ag	42.2	41.066718	ug/L	97.31	
Ge			ug/L		85.82
Ho			ug/L		94.31
In			ug/L		89.46
Sc			ug/L		88.00

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 08:40:31
Sample Description: CV - Minerals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10547.4627	ug/L	105.48	
Ca	1000	10215.1483	ug/L	102.15	
Fe	1000	10129.3332	ug/L	101.29	
Ge			ug/L		86.25
Ho			ug/L		92.06
In			ug/L		85.76
K	1000	10221.952	ug/L	102.22	
Mg	1000	10560.1651	ug/L	105.60	
Na	1000	10492.5744	ug/L	104.93	
P	1000	10158.9344	ug/L	101.59	
Sc			ug/L		85.27

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 10:22:41
Sample Description: CV - Minerals

Concentration Results

Analyte	True Value	Conc.	Units	QC Std % R	Int Std % R
Al	1000	10439.6722	ug/L	104.40	
Ca	1000	10138.056	ug/L	101.38	
Fe	1000	10152.5504	ug/L	101.53	
Ge			ug/L		85.96
Ho			ug/L		93.48
In			ug/L		85.72
K	1000	10163.4122	ug/L	101.63	
Mg	1000	10494.521	ug/L	104.95	
Na	1000	10389.4267	ug/L	103.89	
P	1000	10149.9151	ug/L	101.50	
Sc			ug/L		85.16

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Calibration Verification (CV) Summary
EAI SDG 92049 & 92079
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 12:36:14
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	108.316266	ug/L	109.19	
As	100	103.861562	ug/L	104.38	
Ba	100	97.617388	ug/L	98.21	
Be	100	100.082573	ug/L	100.79	
Ca	100	101.591505	ug/L	102.00	
Cd	100	95.789444	ug/L	96.08	
Co	100	98.965908	ug/L	99.66	
Cr	100	95.999443	ug/L	96.29	
Cu	100	100.273449	ug/L	100.98	
Fe	100	94.606581	ug/L	94.89	
Ge			ug/L		86.93
Hg	1	0.951735	ug/L	95.17	
Ho			ug/L		94.46
In			ug/L		89.67
K	1000	985.267793	ug/L	98.53	
Mg	100	108.740514	ug/L	108.52	
Mn	100	96.674935	ug/L	97.46	
Na	100	111.682376	ug/L	112.24	
Ni	100	100.103864	ug/L	101.01	
Pb	100	98.277013	ug/L	98.28	
Sb	100	93.976505	ug/L	94.54	
Sc			ug/L		87.20
Se	100	98.751603	ug/L	99.45	
Tl	100	96.756932	ug/L	97.64	
V	100	95.326683	ug/L	95.71	
Zn	100	97.724129	ug/L	98.12	

Sample ID: QC Std 2
Sample Date/Time: Wednesday, August 25, 2010 13:30:43
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	100	111.157646	ug/L	112.05	
As	100	105.263808	ug/L	105.79	
Ba	100	99.679026	ug/L	100.28	
Be	100	104.656297	ug/L	105.39	
Ca	100	104.383661	ug/L	104.80	
Cd	100	97.7526	ug/L	98.05	
Co	100	101.151715	ug/L	101.87	
Cr	100	97.426464	ug/L	97.72	
Cu	100	102.036459	ug/L	102.76	
Fe	100	97.173789	ug/L	97.47	
Ge			ug/L		84.02
Hg	1	0.985675	ug/L	98.5675	
Ho			ug/L		93.04
In			ug/L		87.81
K	1000	1000.37623	ug/L	100.04	
Mg	100	112.295217	ug/L	112.07	
Mn	100	97.598239	ug/L	98.39	
Na	100	112.559871	ug/L	113.13	
Ni	100	102.499617	ug/L	103.43	
Pb	100	101.018463	ug/L	101.02	
Sb	100	96.203152	ug/L	96.78	
Sc			ug/L		85.36
Se	100	100.998778	ug/L	101.71	
Tl	100	100.404575	ug/L	101.32	
V	100	96.08506	ug/L	96.47	
Zn	100	98.054452	ug/L	98.45	

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 12:43:17
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	41.004931	ug/L	97.17	
Ge			ug/L		86.00
Ho			ug/L		93.64
In			ug/L		89.63
Sc			ug/L		87.69

Sample ID: QC Std 5
Sample Date/Time: Wednesday, August 25, 2010 13:37:46
Sample Description: CV - Ag

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	42.346505	ug/L	100.347	
Ge			ug/L		83.666
Ho			ug/L		92.275
In			ug/L		86.618
Sc			ug/L		84.536

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 12:50:21
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10466.6986	ug/L	104.67	
Ca	1000	10136.9773	ug/L	101.37	
Fe	1000	10154.3204	ug/L	101.54	
Ge			ug/L		84.99
Ho			ug/L		91.93
In			ug/L		85.07
K	1000	10094.2248	ug/L	100.94	
Mg	1000	10443.1482	ug/L	104.43	
Na	1000	10335.2809	ug/L	103.35	
P	1000	10100.3257	ug/L	101.00	
Sc			ug/L		84.42

Sample ID: QC Std 6
Sample Date/Time: Wednesday, August 25, 2010 13:44:50
Sample Description: CV - Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10616.1254	ug/L	106.16	
Ca	1000	10280.6087	ug/L	102.81	
Fe	1000	10269.9601	ug/L	102.70	
Ge			ug/L		83.54
Ho			ug/L		91.23
In			ug/L		85.56
K	1000	10183.6731	ug/L	101.84	
Mg	1000	10589.6597	ug/L	105.90	
Na	1000	10525.2778	ug/L	105.25	
P	1000	10205.8101	ug/L	102.06	
Sc			ug/L		83.54

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Internal Standard Summary
EAI SDG 92049 & 92079

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 1	Tuesday, August 24, 2010 13:20:53	100	100	99	99
QC Std 2	Tuesday, August 24, 2010 13:27:55	100	101	99	99
QC Std 3	Tuesday, August 24, 2010 13:34:57	100	100	99	99
QC Std 5	Tuesday, August 24, 2010 13:41:58	101	100	100	101
QC Std 6	Tuesday, August 24, 2010 13:49:03	99	101	97	98
LLCS	Tuesday, August 24, 2010 14:15:46	100	100	99	99
ICSA	Tuesday, August 24, 2010 14:22:19	96	104	94	97
ICSAB	Tuesday, August 24, 2010 14:28:52	97	103	94	98
QC Std 1	Tuesday, August 24, 2010 15:01:27	104	102	99	100
QC Std 2	Tuesday, August 24, 2010 15:08:29	104	103	101	101
ICSAB	Tuesday, August 24, 2010 15:16:35	95	101	92	95
QC Std 1	Tuesday, August 24, 2010 15:29:42	103	102	100	100
QC Std 2	Tuesday, August 24, 2010 15:36:44	102	102	99	100
QC Std 5	Tuesday, August 24, 2010 15:43:47	103	101	100	99
QC Std 6	Tuesday, August 24, 2010 15:50:51	102	102	99	99
BLK	Tuesday, August 24, 2010 16:16:11	107	105	105	103
BLK	Tuesday, August 24, 2010 16:22:40	104	103	102	102
BLK	Tuesday, August 24, 2010 16:29:10	107	106	104	105
Ag LCS	Tuesday, August 24, 2010 16:35:40	102	103	101	99
Ag LCS	Tuesday, August 24, 2010 16:42:10	106	103	102	101
Ag LCS	Tuesday, August 24, 2010 16:48:41	106	103	103	101
LCS	Tuesday, August 24, 2010 16:55:13	100	101	98	100
LCS	Tuesday, August 24, 2010 17:01:45	97	97	95	99
LCS	Tuesday, August 24, 2010 17:08:17	92	92	92	97
QC Std 1	Tuesday, August 24, 2010 17:21:23	98	95	98	99
QC Std 2	Tuesday, August 24, 2010 17:28:25	97	94	96	96
QC Std 5	Tuesday, August 24, 2010 17:35:28	98	95	96	96
QC Std 6	Tuesday, August 24, 2010 17:42:32	99	97	96	96
92120.01	Tuesday, August 24, 2010 18:02:40	108	95	95	95
92120.02	Tuesday, August 24, 2010 18:09:07	109	94	96	96
92049.01	Tuesday, August 24, 2010 18:15:35	121	94	90	90
92049.02	Tuesday, August 24, 2010 18:22:03	112	102	88	91
92049.03	Tuesday, August 24, 2010 18:28:31	117	98	92	93
92049.04	Tuesday, August 24, 2010 18:35:00	117	90	88	91
92049.05	Tuesday, August 24, 2010 18:41:30	109	93	91	94
92049.06	Tuesday, August 24, 2010 18:47:59	102	96	87	89
QC Std 1	Tuesday, August 24, 2010 18:54:30	96	96	96	95
QC Std 2	Tuesday, August 24, 2010 19:01:32	98	96	97	96
QC Std 5	Tuesday, August 24, 2010 19:08:35	98	97	97	98
QC Std 6	Tuesday, August 24, 2010 19:15:39	94	96	93	95
92049.07	Tuesday, August 24, 2010 19:22:42	113	97	92	95
92049.07 MS	Tuesday, August 24, 2010 19:29:13	111	98	91	93
92049.07 MSD	Tuesday, August 24, 2010 19:35:44	106	93	87	90
92049.08	Tuesday, August 24, 2010 20:01:54	131	106	95	97
92049.09	Tuesday, August 24, 2010 20:08:24	117	102	97	100

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Internal Standard Summary
EAI SDG 92049 & 92079

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
92049.1	Tuesday, August 24, 2010 20:14:55	117	100	97	101
92049.11	Tuesday, August 24, 2010 20:21:27	117	96	94	98
QC Std 1	Tuesday, August 24, 2010 20:27:56	99	100	98	101
QC Std 2	Tuesday, August 24, 2010 20:34:58	100	100	101	102
QC Std 5	Tuesday, August 24, 2010 20:42:01	100	100	100	101
QC Std 6	Tuesday, August 24, 2010 20:49:05	95	96	94	95
92049.12	Tuesday, August 24, 2010 20:56:11	109	97	95	98
92049.13	Tuesday, August 24, 2010 21:02:44	114	90	87	91
92049.14	Tuesday, August 24, 2010 21:09:17	105	88	87	91
92049.15	Tuesday, August 24, 2010 21:15:51	123	96	94	95
92049.16	Tuesday, August 24, 2010 21:22:25	110	85	85	89
92049.17	Tuesday, August 24, 2010 21:28:59	108	92	90	94
92049.17 MS	Tuesday, August 24, 2010 21:35:35	105	94	88	92
92049.17 MSD	Tuesday, August 24, 2010 21:42:10	100	90	84	88
92049.17 MS	Tuesday, August 24, 2010 21:55:23	98	87	84	88
QC Std 1	Tuesday, August 24, 2010 22:01:54	89	89	92	95
QC Std 2	Tuesday, August 24, 2010 22:08:56	88	89	92	93
QC Std 5	Tuesday, August 24, 2010 22:16:00	89	90	92	95
QC Std 6	Tuesday, August 24, 2010 22:23:04	88	89	90	93
92049.17 MSD	Tuesday, August 24, 2010 22:30:12	97	87	82	88
92049.18	Tuesday, August 24, 2010 22:56:34	98	84	82	88
92049.19	Tuesday, August 24, 2010 23:03:05	95	82	83	90
92049.2	Tuesday, August 24, 2010 23:09:37	99	85	85	91
92049.21	Tuesday, August 24, 2010 23:16:10	96	87	89	92
92049.24	Tuesday, August 24, 2010 23:22:43	89	89	92	94
92049.25	Tuesday, August 24, 2010 23:29:17	87	88	91	95
QC Std 1	Tuesday, August 24, 2010 23:35:47	90	89	91	95
QC Std 2	Tuesday, August 24, 2010 23:42:49	90	89	92	95
QC Std 5	Tuesday, August 24, 2010 23:49:52	90	90	92	94
QC Std 6	Tuesday, August 24, 2010 23:56:56	89	91	90	94
92079.01	Wednesday, August 25, 2010 00:04:04	102	86	84	89
92079.02	Wednesday, August 25, 2010 00:10:38	105	86	83	89
92079.03	Wednesday, August 25, 2010 00:17:13	102	84	83	90
92079.03 MS	Wednesday, August 25, 2010 00:23:48	102	87	82	88
92079.03 MSD	Wednesday, August 25, 2010 00:30:24	101	86	82	89
92079.03 MS	Wednesday, August 25, 2010 00:43:37	100	84	81	86
92079.03 MSD	Wednesday, August 25, 2010 00:50:15	98	81	80	85
QC Std 1	Wednesday, August 25, 2010 01:09:48	82	83	85	91
QC Std 2	Wednesday, August 25, 2010 01:16:50	83	84	87	90
QC Std 5	Wednesday, August 25, 2010 01:23:53	83	84	86	92
QC Std 6	Wednesday, August 25, 2010 01:30:57	83	85	86	90
92079.04	Wednesday, August 25, 2010 01:44:34	98	81	80	87
92079.05	Wednesday, August 25, 2010 01:51:06	98	86	88	92
92079.06	Wednesday, August 25, 2010 01:57:38	99	86	88	93
92079.07	Wednesday, August 25, 2010 02:04:10	85	84	88	92

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Internal Standard Summary
EAI SDG 92049 & 92079

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
92049.01	Wednesday, August 25, 2010 02:10:44	108	86	84	90
92049.02	Wednesday, August 25, 2010 02:17:17	96	87	80	87
92049.03	Wednesday, August 25, 2010 02:23:52	103	88	85	91
92049.04	Wednesday, August 25, 2010 02:30:27	101	81	81	88
92049.04 MS	Wednesday, August 25, 2010 02:37:02	92	85	81	86
QC Std 1	Wednesday, August 25, 2010 02:43:32	86	86	88	92
QC Std 2	Wednesday, August 25, 2010 02:50:35	85	85	88	93
QC Std 5	Wednesday, August 25, 2010 02:57:38	84	86	88	92
QC Std 6	Wednesday, August 25, 2010 03:04:42	83	86	86	91
92049.04 MSD	Wednesday, August 25, 2010 03:11:50	90	83	79	85
92049.05	Wednesday, August 25, 2010 03:38:13	94	87	86	91
92049.08	Wednesday, August 25, 2010 03:44:43	113	91	85	90
92049.09	Wednesday, August 25, 2010 03:51:14	103	90	88	93
92049.1	Wednesday, August 25, 2010 03:57:45	104	90	88	93
92049.11	Wednesday, August 25, 2010 04:04:17	103	90	88	93
92049.12	Wednesday, August 25, 2010 04:10:49	102	92	90	94
QC Std 1	Wednesday, August 25, 2010 04:17:18	90	90	91	96
QC Std 2	Wednesday, August 25, 2010 04:24:20	89	91	91	96
QC Std 5	Wednesday, August 25, 2010 04:31:23	90	90	91	96
QC Std 6	Wednesday, August 25, 2010 04:38:27	87	89	88	93
92049.16	Wednesday, August 25, 2010 04:45:34	99	81	81	88
92049.17	Wednesday, August 25, 2010 04:52:07	97	83	82	89
92049.17 MS	Wednesday, August 25, 2010 04:58:40	97	83	80	87
92049.17 MSD	Wednesday, August 25, 2010 05:05:14	95	82	78	85
92049.18	Wednesday, August 25, 2010 05:31:34	91	81	79	88
92049.19	Wednesday, August 25, 2010 05:38:11	88	78	79	87
92049.2	Wednesday, August 25, 2010 05:44:44	93	82	81	88
QC Std 1	Wednesday, August 25, 2010 05:51:12	84	84	87	92
QC Std 2	Wednesday, August 25, 2010 05:58:14	83	84	87	92
QC Std 5	Wednesday, August 25, 2010 06:05:17	84	85	88	93
QC Std 6	Wednesday, August 25, 2010 06:12:21	85	85	86	93
92049.21	Wednesday, August 25, 2010 06:19:26	93	87	87	93
92049.24	Wednesday, August 25, 2010 06:25:56	84	88	88	92
92049.25	Wednesday, August 25, 2010 06:32:27	85	89	89	92
92079.02	Wednesday, August 25, 2010 06:38:58	100	83	81	88
92079.03	Wednesday, August 25, 2010 06:45:30	100	82	82	89
92079.03 MS	Wednesday, August 25, 2010 06:52:02	96	84	80	86
92079.03 MSD	Wednesday, August 25, 2010 06:58:35	95	83	79	85
QC Std 1	Wednesday, August 25, 2010 07:24:46	85	85	87	92
QC Std 2	Wednesday, August 25, 2010 07:31:48	85	84	87	91
QC Std 5	Wednesday, August 25, 2010 07:38:51	84	83	87	92
QC Std 6	Wednesday, August 25, 2010 07:45:55	84	84	85	91
92079.04	Wednesday, August 25, 2010 07:53:03	95	81	79	86
92079.05	Wednesday, August 25, 2010 07:59:38	95	86	86	91
92079.06	Wednesday, August 25, 2010 08:06:14	98	87	88	92

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Internal Standard Summary
EAI SDG 92049 & 92079

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
92079.07	Wednesday, August 25, 2010 08:12:50	84	87	87	92
QC Std 1	Wednesday, August 25, 2010 08:19:22	85	85	88	93
QC Std 2	Wednesday, August 25, 2010 08:26:24	85	85	86	93
QC Std 5	Wednesday, August 25, 2010 08:33:27	86	85	86	91
QC Std 6	Wednesday, August 25, 2010 08:40:31	85	86	86	92
92049.04	Wednesday, August 25, 2010 08:56:18	88	86	87	95
92049.07	Wednesday, August 25, 2010 09:02:48	88	87	88	93
92049.13	Wednesday, August 25, 2010 09:09:18	87	85	87	93
92049.14	Wednesday, August 25, 2010 09:15:48	86	84	87	93
92049.16	Wednesday, August 25, 2010 09:22:19	86	85	86	92
92049.17	Wednesday, August 25, 2010 09:28:50	86	85	87	93
92049.18	Wednesday, August 25, 2010 09:35:22	86	85	87	92
92049.19	Wednesday, August 25, 2010 09:41:55	86	84	86	91
92049.2	Wednesday, August 25, 2010 09:48:28	86	86	87	93
92079.01	Wednesday, August 25, 2010 09:55:01	87	86	87	93
QC Std 1	Wednesday, August 25, 2010 10:01:31	86	85	88	93
QC Std 5	Wednesday, August 25, 2010 10:15:37	88	86	89	94
QC Std 6	Wednesday, August 25, 2010 10:22:41	85	86	86	93
92049.17 MS	Wednesday, August 25, 2010 10:29:48	86	87	86	93
92049.17 MSD	Wednesday, August 25, 2010 10:36:22	87	87	86	93
92049.01	Wednesday, August 25, 2010 10:49:33	98	87	86	92
92049.02	Wednesday, August 25, 2010 10:56:06	93	89	85	91
92049.06	Wednesday, August 25, 2010 11:02:35	89	85	85	90
92049.08	Wednesday, August 25, 2010 11:09:05	101	89	86	91
92079.02	Wednesday, August 25, 2010 11:15:35	95	85	85	91
92079.03	Wednesday, August 25, 2010 11:22:06	91	83	83	90
92079.04	Wednesday, August 25, 2010 11:28:37	93	83	83	90
92079.03 MS	Wednesday, August 25, 2010 11:35:09	91	84	82	89
92079.03 MSD	Wednesday, August 25, 2010 11:41:41	89	83	81	88
QC Std 1	Wednesday, August 25, 2010 11:54:43	86	86	88	94
QC Std 2	Wednesday, August 25, 2010 12:01:45	62	62	61	65
92079.03 MS	Wednesday, August 25, 2010 12:09:37	85	86	86	91
92079.03 MSD	Wednesday, August 25, 2010 12:16:09	86	85	85	91
QC Std 1	Wednesday, August 25, 2010 12:29:11	87	87	88	94
QC Std 2	Wednesday, August 25, 2010 12:36:14	87	87	90	94
QC Std 5	Wednesday, August 25, 2010 12:43:17	88	86	90	94
QC Std 6	Wednesday, August 25, 2010 12:50:21	84	85	85	92
92079.05	Wednesday, August 25, 2010 13:04:02	95	83	87	93
92079.06	Wednesday, August 25, 2010 13:10:36	94	84	85	93
92079.07	Wednesday, August 25, 2010 13:17:10	83	84	87	94
QC Std 1	Wednesday, August 25, 2010 13:23:40	85	84	87	94
QC Std 2	Wednesday, August 25, 2010 13:30:43	85	84	88	93
QC Std 5	Wednesday, August 25, 2010 13:37:46	85	84	87	92
QC Std 6	Wednesday, August 25, 2010 13:44:50	84	84	86	91

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ICSA/ICSAB
EAI SDG 92049 & 92079

Sample ID: ICSA
Sample Date Tuesday, August 24, 2010 14:22:19
Sample Description:

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	< 1	0.09284	ug/L		
Al	50000	46395.167	ug/L	93	
As	< 1	0.055535	ug/L		
Ba	< 1	0.25695	ug/L		
Be	< 1	0.076839	ug/L		
Ca	50000	48559.1263	ug/L	97	
Cd	< 1	0.081793	ug/L		
Co	< 1	0.253421	ug/L		
Cr	< 1	0.590666	ug/L		
Cu	< 1	0.91627	ug/L		
Fe	50000	47990.8327	ug/L	96	
Ge			ug/L		103.86
Hg	< 0.1	0.011827	ug/L		
Ho			ug/L		96.90
In			ug/L		93.77
K	50000	48521.6942	ug/L	97	
Mg	50000	45910.7558	ug/L	92	
Mn	< 5	0.207444	ug/L		
Na	50000	46383.7818	ug/L	93	
Ni	1.82	1.818176	ug/L		
P	50000	46402.2046	ug/L	93	
Pb	< 1	0.12827	ug/L		
Sb	< 1	0.116969	ug/L		
Sc			ug/L		96.14
Se	< 1	0.920207	ug/L		
Tl	< 1	0.081219	ug/L		
V	1.82	1.815448	ug/L		
Zn	< 5	1.650841	ug/L		

Sample ID: ICSAB
Sample Date Tuesday, August 24, 2010 15:16:35
Sample Description:

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	10	4.024546	ug/L	40	
Al	50000	45996.5115	ug/L	92	
As	10	9.237628	ug/L	92	
Ba	10	10.044237	ug/L	100	
Be	10	9.720954	ug/L	97	
Ca	50000	48386.839	ug/L	97	
Cd	10	9.740714	ug/L	97	
Co	10	9.532834	ug/L	95	
Cr	10	10.105606	ug/L	101	
Cu	10	9.497683	ug/L	95	
Fe	50000	48019.3395	ug/L	96	
Ge			ug/L		101.34
Hg	1	0.999662	ug/L	100	
Ho			ug/L		94.74
In			ug/L		91.54
K	50000	48117.48	ug/L	96	
Mg	50000	45646.6019	ug/L	91	
Mn	10	9.658025	ug/L	97	
Na	50000	45810.5684	ug/L	92	
Ni	10	10.730202	ug/L	107	
P	50000	45842.7288	ug/L	92	
Pb	10	9.644403	ug/L	96	
Sb	10	10.195841	ug/L	102	
Sc			ug/L		95.19
Se	10	9.967493	ug/L	100	
Tl	10	9.609565	ug/L	96	
V	10	11.64656	ug/L	116	
Zn	10	10.580745	ug/L	106	

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Linear Range Check
EAI SDGs: 91943, 92049, 92079
Dissolved Iron and Manganese

Sample ID: 5ppm LRC
Sample Date/Time: Monday, August 23, 2010 13:42:46
Sample Description: Linear Range Check

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc. Mean	Unit	% R	% R
Ag	5000	4837.34742	ug/L	96.75	
Al	5000	5090.11602	ug/L	101.80	
As	5000	4596.65508	ug/L	91.93	
Ba	5000	4876.49724	ug/L	97.53	
Be	5000	5084.73526	ug/L	101.69	
Ca	5000	5140.43029	ug/L	102.81	
Cd	5000	4711.89927	ug/L	94.24	
Co	5000	4688.81101	ug/L	93.78	
Cr	5000	4673.77157	ug/L	93.48	
Cu	5000	4378.99755	ug/L	87.58	
Fe	5000	5001.15574	ug/L	100.02	
Ge			ug/L		84.276
Hg	NA	0.162131	ug/L		
Ho			ug/L		92.551
In			ug/L		87.17
K	5000	5063.25646	ug/L	101.27	
Mg	5000	5072.57566	ug/L	101.45	
Mn	5000	4777.49352	ug/L	95.55	
Na	5000	5101.34089	ug/L	102.03	
Ni	5000	4500.31188	ug/L	90.01	
P	NA	5.791246	ug/L		
Pb	5000	4834.13109	ug/L	96.68	
Sb	5000	4695.12872	ug/L	93.90	
Sc			ug/L		82.536
Se	5000	4709.56582	ug/L	94.19	
Tl	5000	4920.50137	ug/L	98.41	
V	5000	4761.85677	ug/L	95.24	
Zn	5000	4433.91103	ug/L	88.68	

Metals

Sample Data

Sample ID: 92079.01
Sample Date/Time: Wednesday, August 25, 2010 00:04:04
Autosampler Position: 78
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.01.46891

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		21087.096	ug/L	
Be	9	0.010717	14.000	ug/L	0.004
B	10	261.135607	35889.067	ug/L	6.391
B	11	279.983765	192655.225	ug/L	3.528
C	12		1152189.124	ug/L	
Na	23	S	S	ug/L	S
Mg	24	28301.639709	163634541.060	ug/L	437.692
Mg	25	28063.040484	22899318.810	ug/L	294.290
Al	27	7.967641	78735.482	ug/L	0.712
Si	28		39818934.538	ug/L	
P	31	293.389892	168517.592	ug/L	2.316
S	32		101561275.744	ug/L	
Cl	35		20217732.118	ug/L	
K	39	21607.147848	321332201.580	ug/L	323.691
Ca	44	32013.180360	15357193.878	ug/L	581.700
Sc	45		276770.117	ug/L	
Ti	47	2.345887	3332.644	ug/L	0.051
Ti	48	30.246192	416161.710	ug/L	0.403
V	51	0.920881	47471.764	ug/L	0.034
ClO	51		48274.985	ug/L	
Cr	52	0.080395	13961.024	ug/L	0.006
Cr	53	2.760836	15320.719	ug/L	0.100
Fe	54	12943.208851	13354348.448	ug/L	257.052
Mn	55	731.803139	16159791.636	ug/L	22.275
Fe	56	13203.539232	231319467.472	ug/L	368.888
Fe	57	13184.566617	5548989.883	ug/L	403.696
Co	59	0.788838	12862.890	ug/L	0.020
Ni	60	9.926791	33600.324	ug/L	0.270
Ni	62	9.020280	4572.863	ug/L	0.515
Cu	63	1.829433	14349.793	ug/L	0.022
Zn	64	1.602947	7227.114	ug/L	0.002
Cu	65	0.258712	1096.077	ug/L	0.003
Zn	66	1.215727	3382.997	ug/L	0.042
Zn	68	4.043822	6673.849	ug/L	0.019
Ge	72		180306.543	ug/L	
As	75	9.594119	17992.130	ug/L	0.028
ArCl	77		1501.139	ug/L	
Se	78	0.303291	13262.228	ug/L	0.157
Br	79		1263574.998	ug/L	

Br	81		1377175.169	ug/L	
Se	82	17.529465	3546.872	ug/L	0.233
Y	89		470524.164	ug/L	
Mo	95	6.885993	30504.069	ug/L	0.072
Rh	103		380880.579	ug/L	
Ag	107	0.247794	3086.556	ug/L	0.018
Ag	109	0.242569	2902.159	ug/L	0.014
Cd	111	0.036905	173.670	ug/L	0.003
Cd	114	-0.023607	374.012	ug/L	0.009
In	115		481360.722	ug/L	
Sb	121	0.155955	1821.868	ug/L	0.012
Sb	123	0.148264	1363.062	ug/L	0.014
Ba	137	109.753577	510771.375	ug/L	0.664
Ba	138	105.019330	3142602.106	ug/L	1.403
Tb	159		545597.934	ug/L	
Ho	165		516805.849	ug/L	
Hg	200	0.021797	54.334	ug/L	0.001
Hg	202	0.016430	56.334	ug/L	0.001
Tl	205	0.001281	457.016	ug/L	0.003
Pb	208	0.043619	4255.753	ug/L	0.001
Bi	209		372040.326	ug/L	
Se	77	3.816950	1467.133	ug/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		102.221
Ti		
Ti		
V		
ClO		
Cr		
Cr		
Fe		
Mn		
Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 85.604
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 84.156
Sb
Sb
Ba
Ba
Tb
Ho 89.484
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92079.02
Sample Date/Time: Wednesday, August 25, 2010 00:10:38
Autosampler Position: 79
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.02.46892

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16262.533	ug/L	
Be	9	0.003057	10.667	ug/L	0.003
B	10	217.795546	30862.274	ug/L	4.285
B	11	232.542535	165004.244	ug/L	1.673
C	12		991766.249	ug/L	
Na	23	67858.286954	605647763.540	ug/L	155.125
Mg	24	19452.237299	115927036.814	ug/L	13.337
Mg	25	19395.188785	16313348.678	ug/L	78.874
Al	27	23.939975	233825.240	ug/L	2.683
Si	28		50901382.751	ug/L	
P	31	233.543730	141250.101	ug/L	1.197
S	32		98239979.445	ug/L	
Cl	35		13390739.247	ug/L	
K	39	20032.546922	307159432.539	ug/L	90.978
Ca	44	39872.331692	19712001.424	ug/L	98.034
Sc	45		285254.466	ug/L	
Ti	47	3.163778	4525.172	ug/L	0.034
Ti	48	32.613122	462248.179	ug/L	1.194
V	51	0.457475	40548.303	ug/L	0.040
ClO	51		40966.171	ug/L	
Cr	52	0.091166	14548.819	ug/L	0.013
Cr	53	0.348357	11508.061	ug/L	0.160
Fe	54	17731.910236	18820066.139	ug/L	252.219
Mn	55	761.769944	17336111.842	ug/L	11.247
Fe	56	18244.827588	327809733.534	ug/L	296.691
Fe	57	18088.217320	7840048.637	ug/L	235.334
Co	59	2.953664	48612.448	ug/L	0.064
Ni	60	8.442379	29472.661	ug/L	0.152
Ni	62	7.289459	3823.509	ug/L	0.095
Cu	63	1.224925	10056.661	ug/L	0.016
Zn	64	1.563829	7303.144	ug/L	0.006
Cu	65	0.423439	1759.521	ug/L	0.002
Zn	66	1.291244	3651.770	ug/L	0.028
Zn	68	3.200622	5591.442	ug/L	0.073
Ge	72		180522.935	ug/L	
As	75	118.882351	225654.446	ug/L	1.081
ArCl	77		1082.742	ug/L	
Se	78	-0.017736	13130.182	ug/L	0.320
Br	79		251332.182	ug/L	

Br	81		296968.958	ug/L	
Se	82	4.224435	693.683	ug/L	0.098
Y	89		461063.527	ug/L	
Mo	95	3.798302	16870.144	ug/L	0.023
Rh	103		378381.029	ug/L	
Ag	107	0.117575	1573.819	ug/L	0.004
Ag	109	0.117519	1521.476	ug/L	0.007
Cd	111	0.003365	76.334	ug/L	0.002
Cd	114	-0.055799	156.003	ug/L	0.001
In	115		475535.091	ug/L	
Sb	121	0.106663	1345.446	ug/L	0.005
Sb	123	0.110158	1073.226	ug/L	0.008
Ba	137	68.558219	315242.104	ug/L	0.593
Ba	138	66.962354	1979768.248	ug/L	0.295
Tb	159		540155.927	ug/L	
Ho	165		514897.687	ug/L	
Hg	200	0.013850	38.667	ug/L	0.002
Hg	202	0.009356	38.000	ug/L	0.002
Tl	205	-0.002770	347.677	ug/L	0.000
Pb	208	0.132913	7491.620	ug/L	0.005
Bi	209		373083.910	ug/L	
Se	77	1.504880	1079.408	ug/L	0.236

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		105.354
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
=	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
=	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
-	Bi
	Se

85.706

83.138

89.154

Sample ID: 92079.03
Sample Date/Time: Wednesday, August 25, 2010 00:17:13
Autosampler Position: 80
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03.46893

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		15840.455	ug/L	
Be	9	0.021652	19.334	ug/L	0.009
B	10	226.674124	31249.269	ug/L	5.513
B	11	240.695723	166135.373	ug/L	4.366
C	12		969201.941	ug/L	
Na	23	75441.167299	655010633.736	ug/L	1225.707
Mg	24	20650.790799	119714457.030	ug/L	492.239
Mg	25	20591.959631	16847433.087	ug/L	331.814
Al	27	8.238079	81376.658	ug/L	1.653
Si	28		44491676.224	ug/L	
P	31	279.323215	161548.772	ug/L	1.015
S	32		100064353.468	ug/L	
Cl	35		13986501.971	ug/L	
K	39	19018.928130	283706078.380	ug/L	331.846
Ca	44	41422.767774	19921124.320	ug/L	685.319
Sc	45		277503.897	ug/L	
Ti	47	2.662355	3751.478	ug/L	0.086
Ti	48	31.529077	434993.523	ug/L	0.920
V	51	0.365263	37834.946	ug/L	0.009
ClO	51		38334.370	ug/L	
Cr	52	0.019994	13114.932	ug/L	0.002
Cr	53	0.578577	11595.507	ug/L	0.143
Fe	54	12102.317951	12525758.423	ug/L	306.503
Mn	55	950.146801	21035980.116	ug/L	33.271
Fe	56	12356.523644	217312251.899	ug/L	528.126
Fe	57	12434.847275	5248202.312	ug/L	521.079
Co	59	0.844656	13784.249	ug/L	0.026
Ni	60	7.304181	24833.120	ug/L	0.028
Ni	62	6.037897	3094.224	ug/L	0.084
Cu	63	1.188046	9503.727	ug/L	0.018
Zn	64	1.269242	6041.102	ug/L	0.010
Cu	65	0.277936	1170.420	ug/L	0.009
Zn	66	0.977700	2885.153	ug/L	0.011
Zn	68	4.464556	7315.682	ug/L	0.012
Ge	72		177850.975	ug/L	
As	75	79.090643	147845.798	ug/L	0.403
ArCl	77		1079.742	ug/L	
Se	78	0.313745	13084.881	ug/L	0.474
Br	79		273521.648	ug/L	

Br	81		319756.908	ug/L	
Se	82	4.572314	757.385	ug/L	0.171
Y	89		458679.901	ug/L	
Mo	95	2.185154	9583.812	ug/L	0.016
Rh	103		378530.680	ug/L	
Ag	107	0.084048	1192.424	ug/L	0.005
Ag	109	0.080142	1118.080	ug/L	0.001
Cd	111	-0.002611	59.334	ug/L	0.001
Cd	114	-0.061453	118.335	ug/L	0.002
In	115		475124.162	ug/L	
Sb	121	0.098103	1265.101	ug/L	0.005
Sb	123	0.092801	947.332	ug/L	0.009
Ba	137	134.018064	615552.474	ug/L	2.229
Ba	138	129.340016	3819811.445	ug/L	3.091
Tb	159		543943.043	ug/L	
Ho	165		520409.325	ug/L	
Hg	200	0.050004	110.335	ug/L	0.009
Hg	202	0.033387	100.668	ug/L	0.001
Tl	205	-0.002849	349.344	ug/L	0.000
Pb	208	0.007446	2952.884	ug/L	0.001
Bi	209		373892.715	ug/L	
Se	77	1.638074	1101.744	ug/L	0.104

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		102.492
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 84.438
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 83.066
Sb
Sb
Ba
Ba
Tb
> Ho 90.108
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92079.03 MS
Sample Date/Time: Wednesday, August 25, 2010 00:23:48
Autosampler Position: 81
Sample Description: AqTot pre
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03 MS.46894

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16564.411	ug/L	
Be	9	833.041862	398469.238	ug/L	8.640
B	10	227.693217	31159.297	ug/L	4.438
B	11	238.619215	163495.962	ug/L	4.224
C	12		1924065.891	ug/L	
Na	23	S	S	ug/L	S
Mg	24	30434.104844	175134707.772	ug/L	263.847
Mg	25	30437.240730	24719009.674	ug/L	326.414
Al	27	9848.828837	91137756.351	ug/L	94.428
Si	28		44480738.158	ug/L	
P	31	9212.814877	4837497.227	ug/L	125.672
S	32		106399542.384	ug/L	
Cl	35		16657489.917	ug/L	
K	39	29201.541847	431899378.383	ug/L	304.776
Ca	44	52173.816410	24904065.904	ug/L	766.928
Sc	45		275443.875	ug/L	
Ti	47	24.626675	31973.788	ug/L	0.404
Ti	48	44.144763	604572.598	ug/L	1.460
V	51	823.155531	14390754.509	ug/L	2.933
ClO	51		14647543.617	ug/L	
Cr	52	784.708080	11407553.535	ug/L	9.631
Cr	53	798.587540	1378363.921	ug/L	6.981
Fe	54	21773.979225	22299523.191	ug/L	448.509
Mn	55	1812.197367	39824778.212	ug/L	32.890
Fe	56	22427.379847	388258387.489	ug/L	364.627
Fe	57	22195.130779	9287502.980	ug/L	502.289
Co	59	776.130591	12244363.118	ug/L	10.838
Ni	60	748.218789	2509244.390	ug/L	11.608
Ni	62	778.717195	386799.438	ug/L	6.272
Cu	63	706.426581	5340253.395	ug/L	5.486
Zn	64	722.940582	2593322.827	ug/L	6.318
Cu	65	709.138244	2618472.976	ug/L	11.251
Zn	66	748.340932	1583985.205	ug/L	5.942
Zn	68	766.338833	1128944.605	ug/L	1.248
Ge	72		182547.936	ug/L	
As	75	1059.514879	2035495.102	ug/L	6.272
ArCl	77		146960.128	ug/L	
Se	78	996.354185	480438.210	ug/L	14.891
Br	79		260665.774	ug/L	

Br	81		305434.066	ug/L	
Se	82	923.480278	200311.380	ug/L	17.471
Y	89		451990.928	ug/L	
Mo	95	1013.089777	4535518.068	ug/L	20.448
Rh	103		376797.009	ug/L	
Ag	107	69.094868	774672.780	ug/L	0.282
Ag	109	68.533051	729756.355	ug/L	0.498
Cd	111	961.822029	2701007.405	ug/L	10.521
Cd	114	975.994808	6405112.673	ug/L	8.549
In	115		470240.877	ug/L	
Sb	121	1043.046860	9515703.164	ug/L	7.826
Sb	123	1036.957804	7364976.606	ug/L	3.714
Ba	137	1174.767868	5339919.745	ug/L	2.579
Ba	138	1178.798843	34455645.513	ug/L	2.896
Tb	159		532581.770	ug/L	
Ho	165		507661.658	ug/L	
Hg	200	1.037163	2008.242	ug/L	0.004
Hg	202	1.027411	2612.401	ug/L	0.016
Tl	205	955.276470	24848420.343	ug/L	4.278
Pb	208	935.115493	33594382.252	ug/L	7.439
Bi	209		365362.660	ug/L	
Se	77	864.264485	145760.716	ug/L	5.541

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		101.731
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 86.668
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 82.212
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 87.901
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 92079.03 MSD
Sample Date/Time: Wednesday, August 25, 2010 00:30:24
Autosampler Position: 82
Sample Description: AqTot pre
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03 MSD.46895

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16140.992	ug/L	
Be	9	840.237944	397037.849	ug/L	3.302
B	10	224.580284	30362.256	ug/L	0.173
B	11	236.191949	159883.460	ug/L	1.739
C	12		1859053.332	ug/L	
Na	23	84642.018330	720629647.442	ug/L	565.978
Mg	24	30419.471727	172926212.079	ug/L	191.239
Mg	25	30180.592990	24213197.298	ug/L	167.181
Al	27	9766.426919	89279271.192	ug/L	42.735
Si	28		43270988.087	ug/L	
P	31	9116.563408	4729084.655	ug/L	21.711
S	32		106722539.006	ug/L	
Cl	35		16457026.959	ug/L	
K	39	28885.898959	422057708.238	ug/L	155.101
Ca	44	51367.743070	24222976.905	ug/L	207.381
Sc	45		272109.846	ug/L	
Ti	47	24.476782	31393.763	ug/L	0.488
Ti	48	41.931933	567471.772	ug/L	2.699
V	51	821.693128	14192906.252	ug/L	20.375
ClO	51		14535604.442	ug/L	
Cr	52	794.390180	11409082.132	ug/L	12.079
Cr	53	809.574730	1380291.017	ug/L	3.255
Fe	54	21912.634955	22170144.435	ug/L	222.809
Mn	55	1819.562950	39504046.342	ug/L	17.762
Fe	56	22290.877077	381256124.740	ug/L	131.486
Fe	57	22209.529035	9181016.970	ug/L	39.794
Co	59	778.548249	12133836.929	ug/L	1.033
Ni	60	748.240304	2478878.544	ug/L	3.340
Ni	62	776.182079	380864.264	ug/L	3.796
Cu	63	712.479410	5320797.042	ug/L	0.028
Zn	64	728.610830	2582057.065	ug/L	3.209
Cu	65	711.249502	2594501.560	ug/L	2.382
Zn	66	746.786494	1561520.986	ug/L	4.041
Zn	68	755.551369	1099563.771	ug/L	4.136
Ge	72		181512.835	ug/L	
As	75	1037.911569	1982705.094	ug/L	1.153
ArCl	77		143407.022	ug/L	
Se	78	972.340758	466532.930	ug/L	9.436
Br	79		253342.740	ug/L	

Br	81		298742.167	ug/L	
Se	82	916.590717	197695.761	ug/L	1.437
Y	89		448982.856	ug/L	
Mo	95	1012.834942	4508855.551	ug/L	13.903
Rh	103		374244.145	ug/L	
Ag	107	69.739070	778432.148	ug/L	1.060
Ag	109	69.628785	738129.741	ug/L	1.151
Cd	111	958.976224	2681041.345	ug/L	14.174
Cd	114	972.290110	6352489.110	ug/L	12.187
In	115		468174.023	ug/L	
Sb	121	1038.313664	9430552.466	ug/L	10.868
Sb	123	1034.604559	7315973.386	ug/L	8.040
Ba	137	1167.416888	5283161.263	ug/L	9.965
Ba	138	1170.207410	34053562.778	ug/L	10.223
Tb	159		535305.686	ug/L	
Ho	165		512686.960	ug/L	
Hg	200	1.024051	2002.574	ug/L	0.015
Hg	202	0.993948	2552.717	ug/L	0.002
Tl	205	946.566768	24864774.812	ug/L	11.534
Pb	208	923.946216	33520467.196	ug/L	10.867
Bi	209		369566.379	ug/L	
Se	77	842.927929	142182.661	ug/L	2.022

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		100.500
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 86.176
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 81.851
Sb
Sb
Ba
Ba
Tb
Ho 88.771
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92079.04
Sample Date/Time: Wednesday, August 25, 2010 01:44:34
Autosampler Position: 89
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.04.46906

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		15414.391	ug/L	
Be	9	0.027303	21.000	ug/L	0.008
B	10	226.350723	29758.597	ug/L	1.669
B	11	242.689002	159738.226	ug/L	1.238
C	12		913551.587	ug/L	
Na	23	75628.159770	626181247.382	ug/L	498.055
Mg	24	20940.621058	115767145.723	ug/L	109.208
Mg	25	20725.544925	16170478.529	ug/L	184.169
Al	27	7.078481	67359.256	ug/L	0.453
Si	28		42960347.020	ug/L	
P	31	286.066568	157433.788	ug/L	1.168
S	32		94090029.744	ug/L	
Cl	35		13387084.042	ug/L	
K	39	19040.010008	270851262.256	ug/L	167.530
Ca	44	41145.575076	18870881.293	ug/L	601.246
Sc	45		264610.605	ug/L	
Ti	47	2.527455	3410.674	ug/L	0.038
Ti	48	30.498938	401102.437	ug/L	1.298
V	51	0.280599	34659.295	ug/L	0.006
ClO	51		35621.010	ug/L	
Cr	52	0.016249	12452.853	ug/L	0.006
Cr	53	0.203947	10441.097	ug/L	0.011
Fe	54	12238.613891	12078262.962	ug/L	40.338
Mn	55	976.182379	20610629.898	ug/L	1.257
Fe	56	12521.157339	209952209.301	ug/L	58.734
Fe	57	12631.325255	5084031.014	ug/L	32.464
Co	59	0.844470	13142.291	ug/L	0.002
Ni	60	7.203494	23354.527	ug/L	0.053
Ni	62	6.063071	2962.179	ug/L	0.069
Cu	63	1.009324	7765.394	ug/L	0.017
Zn	64	1.197117	5511.552	ug/L	0.021
Cu	65	0.170486	734.704	ug/L	0.020
Zn	66	0.913135	2620.071	ug/L	0.029
Zn	68	4.504898	7033.123	ug/L	0.034
Ge	72		170341.092	ug/L	
As	75	80.161212	143520.877	ug/L	0.647
ArCl	77		1066.073	ug/L	
Se	78	-0.324541	12254.291	ug/L	0.056
Br	79		251915.848	ug/L	

Br	81		294747.652	ug/L	
Se	82	4.665524	744.025	ug/L	0.111
Y	89		435573.361	ug/L	
Mo	95	2.159313	9070.614	ug/L	0.015
Rh	103		366594.819	ug/L	
Ag	107	1.752156	19393.224	ug/L	0.083
Ag	109	1.785577	18790.276	ug/L	0.069
Cd	111	-0.001970	59.001	ug/L	0.002
Cd	114	-0.057763	138.002	ug/L	0.003
In	115		458687.530	ug/L	
Sb	121	0.175557	1911.220	ug/L	0.010
Sb	123	0.176850	1497.910	ug/L	0.022
Ba	137	134.286456	595462.671	ug/L	1.313
Ba	138	129.404616	3689677.790	ug/L	1.581
Tb	159		523242.206	ug/L	
Ho	165		501101.597	ug/L	
Hg	200	0.053182	112.335	ug/L	0.006
Hg	202	0.036481	104.668	ug/L	0.001
Tl	205	-0.001593	368.678	ug/L	0.001
Pb	208	0.011244	2978.220	ug/L	0.003
Bi	209		371805.752	ug/L	
Se	77	1.286202	1042.737	ug/L	0.135

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		97.730
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	80.872
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	80.192
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	86.765
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92079.05
Sample Date/Time: Wednesday, August 25, 2010 01:51:06
Autosampler Position: 90
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.05.46907

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16461.565	ug/L	
Be	9	0.010460	13.333	ug/L	0.000
B	10	9.398221	1329.777	ug/L	0.301
B	11	9.781499	6958.734	ug/L	0.576
C	12		766278.519	ug/L	
Na	23	8734.497185	72652903.924	ug/L	11.536
Mg	24	3949.694367	21931061.755	ug/L	3.738
Mg	25	3951.937102	3096815.708	ug/L	14.863
Al	27	3.865040	38947.150	ug/L	0.025
Si	28		31431625.725	ug/L	
P	31	6.953772	17117.881	ug/L	3.581
S	32		101877589.677	ug/L	
Cl	35		10966513.534	ug/L	
K	39	1966.857021	28904235.513	ug/L	13.211
Ca	44	12497.094331	5763927.038	ug/L	78.203
Sc	45		265767.775	ug/L	
Ti	47	1.221752	1804.864	ug/L	0.074
Ti	48	13.303337	175606.647	ug/L	0.157
V	51	0.099620	31767.414	ug/L	0.031
ClO	51		32431.436	ug/L	
Cr	52	0.029076	12687.619	ug/L	0.002
Cr	53	0.107567	10328.302	ug/L	0.073
Fe	54	4.172693	90107.299	ug/L	0.708
Mn	55	0.307227	11057.833	ug/L	0.002
Fe	56	-19.700463	3584103.346	ug/L	0.657
Fe	57	45.504204	33146.980	ug/L	0.986
Co	59	0.077646	1528.144	ug/L	0.004
Ni	60	4.024039	13170.333	ug/L	0.016
Ni	62	3.659912	1823.534	ug/L	0.073
Cu	63	0.228275	2102.264	ug/L	0.002
Zn	64	2.250943	9180.794	ug/L	0.029
Cu	65	0.175183	755.039	ug/L	0.003
Zn	66	1.935439	4717.604	ug/L	0.036
Zn	68	2.245210	3853.522	ug/L	0.016
Ge	72		180774.466	ug/L	
As	75	0.168277	103.880	ug/L	0.030
ArCl	77		860.049	ug/L	
Se	78	-0.451240	12946.135	ug/L	0.012
Br	79		18999.705	ug/L	

Br	81		51685.364	ug/L	
Se	82	1.209953	46.607	ug/L	0.033
Y	89		470425.934	ug/L	
Mo	95	0.315295	1450.797	ug/L	0.000
Rh	103		404793.274	ug/L	
Ag	107	1.777805	21568.455	ug/L	0.048
Ag	109	1.762943	20342.279	ug/L	0.032
Cd	111	-0.012218	34.000	ug/L	0.004
Cd	114	-0.066633	89.001	ug/L	0.001
In	115		502918.542	ug/L	
Sb	121	0.126396	1615.827	ug/L	0.010
Sb	123	0.129727	1283.843	ug/L	0.008
Ba	137	3.213249	15725.747	ug/L	0.041
Ba	138	3.233978	101642.271	ug/L	0.005
Tb	159		558377.813	ug/L	
Ho	165		531525.797	ug/L	
Hg	200	0.004817	21.667	ug/L	0.001
Hg	202	0.001856	19.334	ug/L	0.000
Tl	205	0.000658	452.349	ug/L	0.000
Pb	208	-0.028295	1672.077	ug/L	0.001
Bi	209		425292.804	ug/L	
Se	77	0.115300	846.381	ug/L	0.453

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌜	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		98.157
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 85.826
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 87.925
Sb
Sb
Ba
Ba
Tb
Ho 92.033
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92079.06
Sample Date/Time: Wednesday, August 25, 2010 01:57:38
Autosampler Position: 91
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.06.46908

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16601.817	ug/L	
Be	9	0.015953	16.000	ug/L	0.007
B	10	7.389990	1076.074	ug/L	0.185
B	11	8.320481	6058.079	ug/L	0.006
C	12		730616.524	ug/L	
Na	23	8720.419003	73260470.021	ug/L	21.220
Mg	24	4161.061123	23336104.716	ug/L	24.455
Mg	25	4126.950464	3266576.417	ug/L	48.523
Al	27	4.986398	49445.727	ug/L	0.010
Si	28		31980716.625	ug/L	
P	31	7.622558	17622.247	ug/L	4.155
S	32		104218758.295	ug/L	
Cl	35		11181525.644	ug/L	
K	39	1932.913916	28703677.461	ug/L	7.091
Ca	44	14627.115224	6811764.678	ug/L	78.838
Sc	45		268414.833	ug/L	
Ti	47	1.267630	1880.880	ug/L	0.003
Ti	48	15.745554	209854.137	ug/L	0.835
V	51	0.228615	34274.513	ug/L	0.007
ClO	51		34687.091	ug/L	
Cr	52	-0.022872	12076.331	ug/L	0.019
Cr	53	0.669945	11371.226	ug/L	0.145
Fe	54	30.887521	117531.575	ug/L	2.681
Mn	55	14.444295	313841.527	ug/L	0.189
Fe	56	12.018999	4148976.864	ug/L	2.803
Fe	57	84.582605	49371.966	ug/L	3.116
Co	59	0.023864	716.035	ug/L	0.001
Ni	60	1.304535	4413.782	ug/L	0.019
Ni	62	0.794318	455.016	ug/L	0.025
Cu	63	0.277797	2487.365	ug/L	0.011
Zn	64	1.614700	7050.063	ug/L	0.001
Cu	65	0.236232	981.730	ug/L	0.013
Zn	66	1.202533	3253.281	ug/L	0.045
Zn	68	1.486227	2802.793	ug/L	0.027
Ge	72		181914.133	ug/L	
As	75	0.267745	294.808	ug/L	0.066
ArCl	77		924.056	ug/L	
Se	78	-0.190204	13149.954	ug/L	0.136
Br	79		17145.023	ug/L	

Br	81		49982.885	ug/L	
Se	82	1.133283	30.137	ug/L	0.144
Y	89		469235.258	ug/L	
Mo	95	0.233302	1094.077	ug/L	0.003
Rh	103		397579.323	ug/L	
Ag	107	1.429704	17318.664	ug/L	0.037
Ag	109	1.423500	16406.300	ug/L	0.044
Cd	111	-0.012265	33.667	ug/L	0.001
Cd	114	-0.068809	73.334	ug/L	0.001
In	115		500713.586	ug/L	
Sb	121	0.099939	1351.781	ug/L	0.011
Sb	123	0.103903	1082.858	ug/L	0.006
Ba	137	2.721172	13275.485	ug/L	0.029
Ba	138	2.703741	84696.201	ug/L	0.009
Tb	159		562619.237	ug/L	
Ho	165		536317.701	ug/L	
Hg	200	0.004058	20.334	ug/L	0.001
Hg	202	0.005411	29.000	ug/L	0.000
Tl	205	-0.002668	365.011	ug/L	0.000
Pb	208	-0.011137	2337.139	ug/L	0.003
Bi	209		421476.919	ug/L	
Se	77	0.681863	941.392	ug/L	0.427

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		99.135
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

86.367

87.540

92.863

Sample ID: 92079.07
Sample Date/Time: Wednesday, August 25, 2010 02:04:10
Autosampler Position: 92
Sample Description: AqTot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.07.46909

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16348.027	ug/L	
Be	9	0.004946	9.333	ug/L	0.005
B	10	1.168087	213.671	ug/L	0.075
B	11	1.376392	1232.096	ug/L	0.030
C	12		739621.093	ug/L	
Na	23	242.870811	1768548.114	ug/L	0.893
Mg	24	12.330188	60265.173	ug/L	0.208
Mg	25	11.659365	8071.055	ug/L	0.111
Al	27	3.024224	27226.767	ug/L	0.015
Si	28		639447.292	ug/L	
P	31	5.021986	13982.175	ug/L	2.873
S	32		98193200.624	ug/L	
Cl	35		10816399.245	ug/L	
K	39	9.744002	895239.741	ug/L	0.148
Ca	44	67.494517	36091.772	ug/L	1.462
Sc	45		230155.847	ug/L	
Ti	47	0.003894	254.673	ug/L	0.000
Ti	48	0.120953	1136.648	ug/L	0.007
V	51	0.455860	32700.369	ug/L	0.003
ClO	51		33209.551	ug/L	
Cr	52	0.041612	11138.726	ug/L	0.012
Cr	53	1.350788	10721.760	ug/L	0.165
Fe	54	-0.493753	74053.110	ug/L	0.207
Mn	55	-0.002909	3881.201	ug/L	0.005
Fe	56	8.032616	3500795.115	ug/L	1.208
Fe	57	2.762437	13781.817	ug/L	0.943
Co	59	-0.005044	233.005	ug/L	0.000
Ni	60	0.030908	216.338	ug/L	0.003
Ni	62	0.017658	68.001	ug/L	0.016
Cu	63	0.069780	819.712	ug/L	0.004
Zn	64	2.684279	9249.832	ug/L	0.035
Cu	65	0.070737	331.676	ug/L	0.006
Zn	66	2.720794	5473.702	ug/L	0.051
Zn	68	2.537408	3696.122	ug/L	0.097
Ge	72		177003.963	ug/L	
As	75	0.026342	-162.439	ug/L	0.007
ArCl	77		807.377	ug/L	
Se	78	0.528421	13121.273	ug/L	0.094
Br	79		3505.711	ug/L	

Br	81		34787.119	ug/L	
Se	82	0.733164	-54.715	ug/L	0.086
Y	89		475186.634	ug/L	
Mo	95	0.033465	197.004	ug/L	0.005
Rh	103		414189.792	ug/L	
Ag	107	1.277318	15604.221	ug/L	0.054
Ag	109	1.278628	14863.306	ug/L	0.056
Cd	111	-0.015429	24.334	ug/L	0.001
Cd	114	-0.066886	87.335	ug/L	0.001
In	115		504040.876	ug/L	
Sb	121	0.072588	1093.410	ug/L	0.012
Sb	123	0.078306	895.290	ug/L	0.009
Ba	137	0.137570	776.708	ug/L	0.004
Ba	138	0.136303	4820.714	ug/L	0.000
Tb	159		556152.021	ug/L	
Ho	165		532984.879	ug/L	
Hg	200	0.001682	15.334	ug/L	0.003
Hg	202	-0.000183	14.000	ug/L	0.001
Tl	205	-0.003225	347.343	ug/L	0.001
Pb	208	-0.030756	1582.737	ug/L	0.002
Bi	209		428326.773	ug/L	
Se	77	0.019879	830.380	ug/L	0.301

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		85.005
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 84.036
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 88.121
Sb
Sb
Ba
Ba
Tb
Ho 92.286
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92079.02
Sample Date/Time: Wednesday, August 25, 2010 06:38:58
Autosampler Position: 121
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.02.46950

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16462.893	ug/L	
Be	9	0.003694	10.333	ug/L	0.009
B	10	228.457746	30612.093	ug/L	2.107
B	11	240.379392	161269.154	ug/L	1.539
C	12		24370169.433	ug/L	
Na	23	66942.402938	564923958.189	ug/L	623.953
Mg	24	19437.978387	109527395.901	ug/L	163.292
Mg	25	19231.839352	15293627.845	ug/L	136.128
Al	27	1.710290	20000.643	ug/L	0.009
Si	28		48687518.244	ug/L	
P	31	236.053199	134822.434	ug/L	4.285
S	32		89585897.541	ug/L	
Cl	35		2282281.885	ug/L	
K	39	19630.560451	284601426.829	ug/L	67.059
Ca	44	38379.907768	17941235.628	ug/L	264.182
Sc	45		269723.159	ug/L	
Ti	47	2.408702	3326.975	ug/L	0.028
Ti	48	30.601633	410542.848	ug/L	2.527
V	51	-0.948565	14331.432	ug/L	0.002
ClO	51		14382.846	ug/L	
Cr	52	0.108162	13998.843	ug/L	0.020
Cr	53	-3.775348	3968.239	ug/L	0.034
Fe	54	16868.891285	16937407.408	ug/L	93.890
Mn	55	744.939289	16033772.770	ug/L	2.839
Fe	56	17329.866512	294694921.992	ug/L	126.216
Fe	57	17329.762294	7104689.982	ug/L	165.968
Co	59	2.811134	43777.265	ug/L	0.000
Ni	60	8.284060	27352.025	ug/L	0.125
Ni	62	7.293491	3617.422	ug/L	0.148
Cu	63	1.152374	8972.182	ug/L	0.030
Zn	64	0.648397	3692.024	ug/L	0.002
Cu	65	0.355617	1418.458	ug/L	0.005
Zn	66	0.327514	1457.465	ug/L	0.017
Zn	68	2.298597	3987.581	ug/L	0.040
Ge	72		174422.744	ug/L	
As	75	128.597701	235874.671	ug/L	0.925
ArCl	77		352.344	ug/L	
Se	78	-0.207148	12601.285	ug/L	0.521
Br	79		194013.035	ug/L	

Br	81		234506.456	ug/L	
Se	82	3.402865	499.863	ug/L	0.102
Y	89		440936.212	ug/L	
Mo	95	2.779165	11941.638	ug/L	0.149
Rh	103		369649.496	ug/L	
Ag	107	-0.010863	115.669	ug/L	0.002
Ag	109	-0.016538	76.668	ug/L	0.000
Cd	111	0.005353	80.334	ug/L	0.002
Cd	114	-0.056442	148.669	ug/L	0.002
In	115		465622.602	ug/L	
Sb	121	0.105440	1306.774	ug/L	0.007
Sb	123	0.101486	990.016	ug/L	0.005
Ba	137	64.962502	292461.896	ug/L	0.565
Ba	138	64.255779	1859874.650	ug/L	1.319
Tb	159		530470.173	ug/L	
Ho	165		506380.122	ug/L	
Hg	200	0.011579	33.667	ug/L	0.004
Hg	202	0.005795	28.334	ug/L	0.002
Tl	205	0.012265	732.370	ug/L	0.003
Pb	208	-0.036743	1290.050	ug/L	0.000
Bi	209		359106.824	ug/L	
Se	77	-2.775073	361.677	ug/L	0.020

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		99.618
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 82.810
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 81.405
Sb
Sb
Ba
Ba
Tb
Ho 87.679
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92079.03
Sample Date/Time: Wednesday, August 25, 2010 06:45:30
Autosampler Position: 122
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03.46951

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16484.267	ug/L	
Be	9	0.019878	18.000	ug/L	0.006
B	10	237.876829	31994.529	ug/L	6.276
B	11	248.874075	167593.358	ug/L	7.693
C	12		23532985.761	ug/L	
Na	23	74699.948673	632873850.471	ug/L	1269.156
Mg	24	20723.401575	117230149.205	ug/L	355.287
Mg	25	20481.936334	16351162.523	ug/L	489.651
Al	27	0.917502	12867.053	ug/L	0.034
Si	28		43242549.116	ug/L	
P	31	278.282123	157084.695	ug/L	9.039
S	32		89793060.892	ug/L	
Cl	35		2603294.967	ug/L	
K	39	18656.930312	271579478.994	ug/L	422.871
Ca	44	40181.685889	18856448.970	ug/L	824.555
Sc	45		270792.753	ug/L	
Ti	47	2.228101	3111.897	ug/L	0.025
Ti	48	30.674342	412928.143	ug/L	0.200
V	51	-1.080262	12129.541	ug/L	0.004
ClO	51		12456.988	ug/L	
Cr	52	0.015043	12727.155	ug/L	0.002
Cr	53	-3.838257	3878.199	ug/L	0.029
Fe	54	11677.301539	11795841.438	ug/L	379.518
Mn	55	936.995031	20243547.397	ug/L	20.427
Fe	56	12061.181844	207081900.290	ug/L	393.843
Fe	57	12089.473571	4979648.113	ug/L	275.363
Co	59	0.841813	13408.015	ug/L	0.003
Ni	60	7.191450	23860.176	ug/L	0.065
Ni	62	6.123382	3060.546	ug/L	0.178
Cu	63	0.998310	7863.478	ug/L	0.025
Zn	64	0.385640	2780.517	ug/L	0.001
Cu	65	0.113139	544.022	ug/L	0.001
Zn	66	0.090947	970.728	ug/L	0.023
Zn	68	3.668045	5985.030	ug/L	0.127
Ge	72		173224.148	ug/L	
As	75	91.274197	166199.760	ug/L	1.710
ArCl	77		355.010	ug/L	
Se	78	0.190231	12690.521	ug/L	0.215
Br	79		220471.578	ug/L	

Br	81		263300.155	ug/L	
Se	82	4.053145	630.430	ug/L	0.098
Y	89		448816.137	ug/L	
Mo	95	2.036553	8701.918	ug/L	0.069
Rh	103		372772.001	ug/L	
Ag	107	-0.012135	102.002	ug/L	0.000
Ag	109	-0.015555	87.668	ug/L	0.001
Cd	111	0.000817	68.001	ug/L	0.002
Cd	114	-0.057514	142.336	ug/L	0.001
In	115		468203.787	ug/L	
Sb	121	0.057077	874.051	ug/L	0.002
Sb	123	0.053192	653.515	ug/L	0.004
Ba	137	133.560752	604475.717	ug/L	2.249
Ba	138	128.379901	3735964.411	ug/L	2.721
Tb	159		537304.259	ug/L	
Ho	165		516712.931	ug/L	
Hg	200	0.039661	89.335	ug/L	0.001
Hg	202	0.030159	91.668	ug/L	0.001
Tl	205	0.007687	625.361	ug/L	0.003
Pb	208	-0.047605	919.360	ug/L	0.001
Bi	209		376286.107	ug/L	
Se	77	-2.675681	378.345	ug/L	0.110

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		100.013
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	82.241
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	81.856
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	89.468
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92079.03 MS
Sample Date/Time: Wednesday, August 25, 2010 06:52:02
Autosampler Position: 123
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03 MS.46952

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16930.420	ug/L	
Be	9	917.138996	414407.658	ug/L	14.443
B	10	227.229083	29378.362	ug/L	1.716
B	11	241.096762	156066.771	ug/L	2.613
C	12		17656804.162	ug/L	
Na	23	82376.927543	670702340.840	ug/L	374.083
Mg	24	30224.680441	164314078.196	ug/L	55.355
Mg	25	29997.797038	23014463.091	ug/L	235.189
Al	27	10009.837043	87505857.537	ug/L	35.819
Si	28		40265207.620	ug/L	
P	31	10245.577638	5080701.383	ug/L	74.827
S	32		96705188.601	ug/L	
Cl	35		5181290.175	ug/L	
K	39	28142.440361	393253751.750	ug/L	71.751
Ca	44	49749.099436	22433806.253	ug/L	277.337
Sc	45		260219.991	ug/L	
Ti	47	25.607775	31394.433	ug/L	0.626
Ti	48	40.138588	519262.489	ug/L	0.572
V	51	820.837711	13556744.623	ug/L	4.228
ClO	51		13789567.237	ug/L	
Cr	52	794.399605	10909665.577	ug/L	3.569
Cr	53	809.546216	1319902.246	ug/L	0.766
Fe	54	20862.356099	20189503.073	ug/L	202.743
Mn	55	1715.659774	35621266.850	ug/L	15.502
Fe	56	21515.534544	352031160.271	ug/L	86.252
Fe	57	21344.750777	8438318.892	ug/L	71.893
Co	59	792.393411	11809779.871	ug/L	1.642
Ni	60	767.754079	2432403.404	ug/L	1.511
Ni	62	808.957312	379596.279	ug/L	4.061
Cu	63	738.844903	5276345.961	ug/L	5.619
Zn	64	804.070346	2724727.203	ug/L	2.073
Cu	65	736.867845	2570485.470	ug/L	1.282
Zn	66	839.158934	1677849.459	ug/L	8.354
Zn	68	853.909385	1188250.885	ug/L	12.081
Ge	72		177954.194	ug/L	
As	75	1167.409388	2186407.153	ug/L	4.441
ArCl	77		175648.228	ug/L	
Se	78	1230.233631	575274.362	ug/L	9.990
Br	79		214102.694	ug/L	

Br	81		255154.709	ug/L	
Se	82	1148.436283	242896.455	ug/L	4.004
Y	89		434246.014	ug/L	
Mo	95	985.850125	4302676.703	ug/L	0.662
Rh	103		369723.091	ug/L	
Ag	107	766.828078	8365494.047	ug/L	4.712
Ag	109	776.062416	8040105.407	ug/L	9.677
Cd	111	982.256465	2684730.303	ug/L	0.963
Cd	114	993.207545	6344119.312	ug/L	1.266
In	115		457700.896	ug/L	
Sb	121	1010.730168	8975882.160	ug/L	24.601
Sb	123	1008.012099	6969247.652	ug/L	20.142
Ba	137	1147.560751	5077096.826	ug/L	3.896
Ba	138	1155.147645	32863860.782	ug/L	1.117
Tb	159		519511.726	ug/L	
Ho	165		496855.557	ug/L	
Hg	200	0.969022	1837.204	ug/L	0.012
Hg	202	0.926050	2305.982	ug/L	0.015
Tl	205	943.731969	24025959.193	ug/L	4.838
Pb	208	920.542024	32367292.925	ug/L	5.160
Bi	209		359524.317	ug/L	
Se	77	1038.849607	175037.937	ug/L	14.863

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		96.108
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	84.487
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
=	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	80.020
	Sb	
	Sb	
	Ba	
=	Ba	
	Tb	
>	Ho	86.030
	Hg	
	Hg	
	Tl	
	Pb	
-	Bi	
	Se	

Sample ID: 92079.03 MSD
Sample Date/Time: Wednesday, August 25, 2010 06:58:35
Autosampler Position: 124
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03 MSD.46953

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16827.562	ug/L	
Be	9	909.639392	407785.244	ug/L	11.093
B	10	231.462445	29684.021	ug/L	5.029
B	11	242.319957	155593.781	ug/L	6.484
C	12		17302182.254	ug/L	
Na	23	82757.148127	668446470.424	ug/L	1457.072
Mg	24	30419.924339	164060251.089	ug/L	446.280
Mg	25	30042.677326	22866420.444	ug/L	419.338
Al	27	10024.800062	86940895.499	ug/L	124.827
Si	28		40234581.036	ug/L	
P	31	10206.480035	5021219.295	ug/L	212.624
S	32		93399485.242	ug/L	
Cl	35		5166884.364	ug/L	
K	39	28356.923957	393096170.424	ug/L	344.987
Ca	44	50063.394353	22396632.088	ug/L	450.784
Sc	45		258154.101	ug/L	
Ti	47	25.501257	31021.821	ug/L	0.289
Ti	48	40.074655	514350.338	ug/L	0.543
V	51	818.916094	13417872.258	ug/L	8.413
ClO	51		13663587.880	ug/L	
Cr	52	790.255284	10766906.372	ug/L	1.315
Cr	53	804.363480	1301087.924	ug/L	8.398
Fe	54	20869.161010	20033973.020	ug/L	375.867
Mn	55	1729.575425	35621793.936	ug/L	39.278
Fe	56	21596.725094	350532789.026	ug/L	560.049
Fe	57	21454.368033	8414111.673	ug/L	449.091
Co	59	793.790372	11736512.889	ug/L	12.172
Ni	60	770.083791	2420373.623	ug/L	12.878
Ni	62	802.351652	373513.491	ug/L	7.199
Cu	63	737.262033	5223339.669	ug/L	11.416
Zn	64	808.095613	2716567.834	ug/L	16.457
Cu	65	736.531859	2548814.702	ug/L	12.720
Zn	66	835.048614	1656445.565	ug/L	9.148
Zn	68	850.786559	1174603.485	ug/L	1.197
Ge	72		175133.521	ug/L	
As	75	1181.299439	2177339.110	ug/L	1.966
ArCl	77		173770.271	ug/L	
Se	78	1246.075294	573267.593	ug/L	9.745
Br	79		214393.714	ug/L	

Br	81		253272.106	ug/L	
Se	82	1164.277322	242347.975	ug/L	3.464
Y	89		428237.128	ug/L	
Mo	95	992.260516	4262049.345	ug/L	8.675
Rh	103		361311.284	ug/L	
Ag	107	754.175293	8162492.368	ug/L	9.886
Ag	109	760.592610	7817848.284	ug/L	1.478
Cd	111	980.095635	2657600.180	ug/L	11.072
Cd	114	995.788660	6310136.451	ug/L	8.124
In	115		454071.656	ug/L	
Sb	121	1017.853913	8966409.660	ug/L	26.275
Sb	123	1010.441375	6929978.632	ug/L	24.025
Ba	137	1157.042290	5078545.050	ug/L	8.007
Ba	138	1159.336429	32721350.420	ug/L	2.852
Tb	159		512793.054	ug/L	
Ho	165		491630.689	ug/L	
Hg	200	0.947597	1777.858	ug/L	0.002
Hg	202	0.943132	2323.320	ug/L	0.009
Tl	205	953.611948	24021140.927	ug/L	4.693
Pb	208	931.608495	32411589.858	ug/L	2.989
Bi	209		359950.529	ug/L	
Se	77	1027.120876	173071.076	ug/L	12.348

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		95.345
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe	
Co	
Ni	
Ni	
Cu	
Zn	
Cu	
Zn	
Zn	
> Ge	83.148
As	
ArCl	
Se	
Br	
Br	
Se	
Y	
Mo	
Rh	
Ag	
Ag	
Cd	
Cd	
> In	79.385
Sb	
Sb	
Ba	
Ba	
Tb	
> Ho	85.125
Hg	
Hg	
Tl	
Pb	
Bi	
Se	

Sample ID: 92079.04
Sample Date/Time: Wednesday, August 25, 2010 07:53:03
Autosampler Position: 128
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.04.46961

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		15800.388	ug/L	
Be	9	0.027998	20.667	ug/L	0.009
B	10	241.463168	30791.039	ug/L	0.735
B	11	257.426811	164341.562	ug/L	0.544
C	12		18331496.489	ug/L	
Na	23	75908.953961	609658824.904	ug/L	950.548
Mg	24	21279.037106	114106277.017	ug/L	383.419
Mg	25	20992.921796	15887790.324	ug/L	257.480
Al	27	1.126559	13998.837	ug/L	0.050
Si	28		42444070.317	ug/L	
P	31	292.482025	155843.229	ug/L	5.784
S	32		86264601.243	ug/L	
Cl	35		2583943.877	ug/L	
K	39	19166.876609	264473993.706	ug/L	216.065
Ca	44	41594.860282	18503841.090	ug/L	596.194
Sc	45		256707.713	ug/L	
Ti	47	2.349869	3096.225	ug/L	0.009
Ti	48	31.012767	395744.600	ug/L	0.148
V	51	-0.982979	13078.198	ug/L	0.019
ClO	51		12992.408	ug/L	
Cr	52	-0.048419	11203.114	ug/L	0.030
Cr	53	-3.705440	3887.870	ug/L	0.071
Fe	54	12141.485562	11625010.795	ug/L	49.442
Mn	55	965.832465	19781663.526	ug/L	10.065
Fe	56	12504.557842	203401878.991	ug/L	156.583
Fe	57	12616.313028	4925696.917	ug/L	199.593
Co	59	0.870955	13138.619	ug/L	0.006
Ni	60	7.371605	23181.417	ug/L	0.073
Ni	62	6.365432	3013.863	ug/L	0.019
Cu	63	1.139080	8446.340	ug/L	0.013
Zn	64	0.888552	4316.229	ug/L	0.001
Cu	65	0.245748	972.062	ug/L	0.000
Zn	66	0.576684	1878.213	ug/L	0.002
Zn	68	4.175622	6369.628	ug/L	0.136
Ge	72		169557.289	ug/L	
As	75	90.098777	160592.922	ug/L	1.387
ArCl	77		385.345	ug/L	
Se	78	-0.119754	12287.153	ug/L	0.004
Br	79		218757.733	ug/L	

Br	81		257752.520	ug/L	
Se	82	3.814257	568.955	ug/L	0.190
Y	89		431155.423	ug/L	
Mo	95	1.996329	8351.253	ug/L	0.067
Rh	103		357652.973	ug/L	
Ag	107	-0.011241	108.335	ug/L	0.001
Ag	109	-0.013646	104.335	ug/L	0.000
Cd	111	0.011335	94.335	ug/L	0.001
Cd	114	-0.051530	175.670	ug/L	0.002
In	115		453267.897	ug/L	
Sb	121	0.118848	1389.787	ug/L	0.010
Sb	123	0.117662	1074.560	ug/L	0.014
Ba	137	134.306081	588536.800	ug/L	0.435
Ba	138	128.816119	3629807.580	ug/L	0.765
Tb	159		520209.567	ug/L	
Ho	165		499286.515	ug/L	
Hg	200	0.048636	103.335	ug/L	0.000
Hg	202	0.029787	87.668	ug/L	0.002
Tl	205	0.017475	855.049	ug/L	0.000
Pb	208	-0.041411	1106.704	ug/L	0.002
Bi	209		349787.307	ug/L	
Se	77	-2.763146	363.678	ug/L	0.053

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
-	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		94.811
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 80.500
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 79.245
Sb
Sb
Ba
Ba
Tb
Ho 86.451
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92079.05
Sample Date/Time: Wednesday, August 25, 2010 07:59:38
Autosampler Position: 129
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.05.46962

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16937.107	ug/L	
Be	9	0.006829	11.333	ug/L	0.006
B	10	9.426672	1294.105	ug/L	0.427
B	11	9.983361	6883.008	ug/L	0.485
C	12		4725937.155	ug/L	
Na	23	8732.657667	70500169.727	ug/L	29.903
Mg	24	3963.049769	21355453.828	ug/L	45.499
Mg	25	3911.334976	2974603.419	ug/L	34.827
Al	27	0.769481	10971.051	ug/L	0.069
Si	28		30644084.991	ug/L	
P	31	-12.482467	7093.476	ug/L	0.574
S	32		94205863.016	ug/L	
Cl	35		259092.884	ug/L	
K	39	1945.545862	27755801.903	ug/L	14.138
Ca	44	12497.406898	5593982.795	ug/L	26.094
Sc	45		257939.102	ug/L	
Ti	47	0.980064	1461.132	ug/L	0.002
Ti	48	13.202731	169097.689	ug/L	0.371
V	51	-1.414206	6096.773	ug/L	0.018
ClO	51		6124.791	ug/L	
Cr	52	-0.046097	11287.833	ug/L	0.039
Cr	53	-4.897378	1994.906	ug/L	0.058
Fe	54	-51.005513	34740.375	ug/L	0.254
Mn	55	-0.004808	4309.399	ug/L	0.012
Fe	56	-24.512411	3401052.214	ug/L	3.137
Fe	57	37.064080	28861.960	ug/L	1.642
Co	59	0.054990	1148.084	ug/L	0.001
Ni	60	3.991365	12678.295	ug/L	0.054
Ni	62	3.608104	1745.518	ug/L	0.131
Cu	63	0.431138	3476.033	ug/L	0.007
Zn	64	1.999202	8065.695	ug/L	0.004
Cu	65	0.356418	1359.782	ug/L	0.017
Zn	66	1.714618	4141.651	ug/L	0.003
Zn	68	1.999873	3401.670	ug/L	0.024
Ge	72		181925.157	ug/L	
As	75	0.208557	182.181	ug/L	0.011
ArCl	77		228.005	ug/L	
Se	78	0.014388	13245.255	ug/L	0.235
Br	79		9913.168	ug/L	

Br	81		41744.038	ug/L	
Se	82	1.035987	9.183	ug/L	0.018
Y	89		460976.660	ug/L	
Mo	95	0.248699	1163.420	ug/L	0.015
Rh	103		396633.789	ug/L	
Ag	107	0.099907	1425.129	ug/L	0.030
Ag	109	0.099823	1381.121	ug/L	0.025
Cd	111	-0.004178	57.001	ug/L	0.004
Cd	114	-0.062231	117.669	ug/L	0.001
In	115		493895.206	ug/L	
Sb	121	0.080559	1147.417	ug/L	0.006
Sb	123	0.077686	872.378	ug/L	0.002
Ba	137	3.103051	14918.380	ug/L	0.005
Ba	138	3.132249	96694.718	ug/L	0.014
Tb	159		550295.055	ug/L	
Ho	165		528199.894	ug/L	
Hg	200	0.004533	21.000	ug/L	0.002
Hg	202	0.001265	17.667	ug/L	0.000
Tl	205	0.015301	846.048	ug/L	0.001
Pb	208	-0.036533	1353.053	ug/L	0.001
Bi	209		390088.785	ug/L	
Se	77	-3.645732	215.671	ug/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		95.266
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

86.372

86.347

91.457

Sample ID: 92079.06
Sample Date/Time: Wednesday, August 25, 2010 08:06:14
Autosampler Position: 130
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.06.46963

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17666.483	ug/L	
Be	9	0.004704	10.667	ug/L	0.006
B	10	7.787756	1115.080	ug/L	0.189
B	11	8.313503	5978.692	ug/L	0.001
C	12		4076137.354	ug/L	
Na	23	8652.037126	71780934.062	ug/L	121.475
Mg	24	4136.430198	22908396.048	ug/L	57.313
Mg	25	4147.799329	3241999.024	ug/L	41.691
Al	27	0.458745	8511.500	ug/L	0.020
Si	28		31241303.381	ug/L	
P	31	-12.659736	7206.925	ug/L	1.323
S	32		93767033.123	ug/L	
Cl	35		257618.162	ug/L	
K	39	1892.584492	27774902.670	ug/L	5.872
Ca	44	14395.410222	6620682.185	ug/L	84.129
Sc	45		265099.307	ug/L	
Ti	47	1.018192	1548.814	ug/L	0.013
Ti	48	15.962656	210241.900	ug/L	0.259
V	51	-1.435354	5912.648	ug/L	0.004
ClO	51		5973.022	ug/L	
Cr	52	-0.112660	10674.548	ug/L	0.001
Cr	53	-5.048003	1801.864	ug/L	0.081
Fe	54	-53.342009	33411.613	ug/L	0.182
Mn	55	1.513113	36529.945	ug/L	0.015
Fe	56	-31.222876	3385163.964	ug/L	0.150
Fe	57	44.282203	32574.885	ug/L	2.164
Co	59	0.015005	572.690	ug/L	0.001
Ni	60	1.015298	3426.347	ug/L	0.002
Ni	62	0.606467	359.677	ug/L	0.014
Cu	63	0.419769	3490.038	ug/L	0.003
Zn	64	0.810629	4188.737	ug/L	0.013
Cu	65	0.375914	1466.800	ug/L	0.020
Zn	66	0.363936	1506.807	ug/L	0.034
Zn	68	0.629135	1554.148	ug/L	0.015
Ge	72		183798.116	ug/L	
As	75	0.218217	202.603	ug/L	0.004
ArCl	77		259.340	ug/L	
Se	78	-0.451801	13161.777	ug/L	0.347
Br	79		10637.994	ug/L	

Br	81		41410.205	ug/L	
Se	82	0.936605	-12.348	ug/L	0.091
Y	89		474349.377	ug/L	
Mo	95	0.179206	861.716	ug/L	0.006
Rh	103		400140.075	ug/L	
Ag	107	0.086877	1293.106	ug/L	0.016
Ag	109	0.082428	1206.426	ug/L	0.011
Cd	111	-0.010946	37.667	ug/L	0.000
Cd	114	-0.065453	97.001	ug/L	0.001
In	115		501670.353	ug/L	
Sb	121	0.075300	1114.079	ug/L	0.001
Sb	123	0.077177	882.210	ug/L	0.004
Ba	137	2.448530	11979.341	ug/L	0.037
Ba	138	2.479107	77852.105	ug/L	0.003
Tb	159		560025.819	ug/L	
Ho	165		532788.606	ug/L	
Hg	200	0.002955	18.000	ug/L	0.002
Hg	202	0.001090	17.334	ug/L	0.000
Tl	205	0.010975	735.370	ug/L	0.001
Pb	208	-0.029379	1634.075	ug/L	0.002
Bi	209		403832.124	ug/L	
Se	77	-3.570196	228.338	ug/L	0.110

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		97.910
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	87.261
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.707
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	92.252
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92079.07
Sample Date/Time: Wednesday, August 25, 2010 08:12:50
Autosampler Position: 131
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.07.46964

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17508.845	ug/L	
Be	9	0.003444	8.667	ug/L	0.011
B	10	1.021045	194.004	ug/L	0.029
B	11	1.119668	1069.407	ug/L	0.086
C	12		967683.960	ug/L	
Na	23	231.261997	1660569.516	ug/L	3.008
Mg	24	11.712271	56457.062	ug/L	0.184
Mg	25	11.154173	7617.286	ug/L	0.052
Al	27	0.714302	9228.938	ug/L	0.036
Si	28		601521.938	ug/L	
P	31	-15.198610	5065.252	ug/L	0.832
S	32		87592228.737	ug/L	
Cl	35		68504.069	ug/L	
K	39	9.571936	880043.994	ug/L	1.876
Ca	44	54.888476	30617.864	ug/L	1.273
Sc	45		226852.152	ug/L	
Ti	47	-0.092808	148.669	ug/L	0.008
Ti	48	0.090287	774.311	ug/L	0.004
V	51	-1.426465	5186.531	ug/L	0.007
ClO	51		5279.252	ug/L	
Cr	52	-0.037473	10034.067	ug/L	0.002
Cr	53	-5.177713	1359.115	ug/L	0.031
Fe	54	-47.734246	33290.453	ug/L	1.400
Mn	55	-0.041017	3135.572	ug/L	0.004
Fe	56	1.078036	3351580.071	ug/L	6.164
Fe	57	-1.189282	12222.766	ug/L	0.899
Co	59	-0.010263	161.670	ug/L	0.001
Ni	60	-0.001922	122.669	ug/L	0.002
Ni	62	0.040462	76.334	ug/L	0.004
Cu	63	0.053674	707.368	ug/L	0.003
Zn	64	-0.147741	755.708	ug/L	0.041
Cu	65	0.053809	275.340	ug/L	0.000
Zn	66	-0.155298	384.679	ug/L	0.017
Zn	68	-0.183245	345.343	ug/L	0.044
Ge	72		183301.537	ug/L	
As	75	0.009394	-200.833	ug/L	0.007
ArCl	77		220.672	ug/L	
Se	78	-0.318442	13189.393	ug/L	0.245
Br	79		669.698	ug/L	

Br	81		30669.287	ug/L	
Se	82	0.702688	-63.376	ug/L	0.042
Y	89		470712.939	ug/L	
Mo	95	0.009344	95.668	ug/L	0.001
Rh	103		412916.163	ug/L	
Ag	107	0.130809	1804.865	ug/L	0.017
Ag	109	0.129786	1731.183	ug/L	0.018
Cd	111	-0.007938	46.334	ug/L	0.000
Cd	114	-0.065494	96.001	ug/L	0.001
In	115		497979.532	ug/L	
Sb	121	0.026105	630.695	ug/L	0.006
Sb	123	0.022905	467.593	ug/L	0.009
Ba	137	0.110864	638.695	ug/L	0.002
Ba	138	0.122558	4337.255	ug/L	0.001
Tb	159		555502.347	ug/L	
Ho	165		531110.200	ug/L	
Hg	200	-0.000967	10.000	ug/L	0.001
Hg	202	0.000990	17.000	ug/L	0.001
Tl	205	0.006699	616.360	ug/L	0.000
Pb	208	-0.052172	773.020	ug/L	0.001
Bi	209		405874.995	ug/L	
Se	77	-3.796804	190.337	ug/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		83.784
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 87.026
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 87.062
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 91.961
| Hg
| Hg
| Tl
| Pb
| Bi
| Se

Sample ID: 92079.02
Sample Date/Time: Wednesday, August 25, 2010 11:15:35
Autosampler Position: 149
Sample Description: AqTot 1:1
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.02.46990

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17595.684	ug/L	
Be	9	0.001699	9.000	ug/L	0.005
B	10	128.642610	16494.450	ug/L	2.008
B	11	137.004803	87957.381	ug/L	1.956
C	12		725187.220	ug/L	
Na	23	36681.646479	295515274.165	ug/L	231.110
Mg	24	10633.422858	57197040.490	ug/L	67.179
Mg	25	10657.442731	8090363.570	ug/L	67.144
Al	27	11.484445	103626.625	ug/L	1.096
Si	28		24899412.862	ug/L	
P	31	127.000948	75341.753	ug/L	0.890
S	32		94698154.419	ug/L	
Cl	35		11647922.748	ug/L	
K	39	10948.676834	151906011.570	ug/L	147.123
Ca	44	21962.525404	9805013.795	ug/L	425.082
Sc	45		257464.260	ug/L	
Ti	47	1.606819	2211.958	ug/L	0.000
Ti	48	21.941586	280743.439	ug/L	0.118
V	51	0.114936	31021.481	ug/L	0.004
ClO	51		31904.538	ug/L	
Cr	52	0.017481	12133.673	ug/L	0.003
Cr	53	-0.219008	9482.037	ug/L	0.007
Fe	54	9812.195487	9438846.146	ug/L	214.282
Mn	55	420.324673	8637491.106	ug/L	10.106
Fe	56	10010.443772	164083756.691	ug/L	160.976
Fe	57	10073.448781	3947879.788	ug/L	127.009
Co	59	1.663270	24861.535	ug/L	0.025
Ni	60	4.896092	15492.011	ug/L	0.020
Ni	62	4.289951	2059.254	ug/L	0.097
Cu	63	0.959333	7201.924	ug/L	0.001
Zn	64	1.270337	5608.409	ug/L	0.011
Cu	65	0.490284	1818.867	ug/L	0.009
Zn	66	1.128965	2975.850	ug/L	0.007
Zn	68	2.140180	3588.744	ug/L	0.044
Ge	72		178687.011	ug/L	
As	75	60.405459	113394.581	ug/L	0.246
ArCl	77		941.392	ug/L	
Se	78	-0.375484	12831.500	ug/L	0.233
Br	79		124259.352	ug/L	

Br	81		163827.511	ug/L	
Se	82	2.694328	361.535	ug/L	0.036
Y	89		465385.556	ug/L	
Mo	95	1.903610	8394.625	ug/L	0.001
Rh	103		386888.500	ug/L	
Ag	107	0.147224	1955.898	ug/L	0.017
Ag	109	0.148894	1903.886	ug/L	0.016
Cd	111	-0.001282	64.668	ug/L	0.002
Cd	114	-0.057334	149.336	ug/L	0.002
In	115		486817.687	ug/L	
Sb	121	0.045868	803.377	ug/L	0.006
Sb	123	0.046506	630.726	ug/L	0.005
Ba	137	32.888542	154864.824	ug/L	0.064
Ba	138	32.965908	998051.646	ug/L	0.007
Tb	159		548633.702	ug/L	
Ho	165		528325.184	ug/L	
Hg	200	0.005044	22.000	ug/L	0.002
Hg	202	0.002533	21.000	ug/L	0.002
Tl	205	-0.005287	288.674	ug/L	0.000
Pb	208	0.083794	5852.125	ug/L	0.002
Bi	209		400540.277	ug/L	
Se	77	0.405538	895.053	ug/L	0.290

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
-	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		95.091
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	84.835
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.110
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	91.479
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92079.03
Sample Date/Time: Wednesday, August 25, 2010 11:22:06
Autosampler Position: 150
Sample Description: AqTot 1:1
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03.46991

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17365.907	ug/L	
Be	9	0.014869	14.333	ug/L	0.003
B	10	137.244410	16925.914	ug/L	0.724
B	11	143.845700	88829.132	ug/L	0.064
C	12		689789.912	ug/L	
Na	23	41116.053889	318660917.184	ug/L	705.688
Mg	24	11474.751118	59381552.520	ug/L	122.973
Mg	25	11353.075116	8292090.953	ug/L	13.102
Al	27	5.020922	45965.350	ug/L	0.823
Si	28		21292038.779	ug/L	
P	31	151.668990	84092.195	ug/L	4.009
S	32		95537945.636	ug/L	
Cl	35		11544681.100	ug/L	
K	39	10379.522779	138599939.827	ug/L	6.449
Ca	44	22831.601886	9807164.065	ug/L	167.911
Sc	45		247717.953	ug/L	
Ti	47	1.403159	1892.216	ug/L	0.056
Ti	48	22.869586	281459.424	ug/L	1.129
V	51	0.116285	29865.609	ug/L	0.026
ClO	51		30466.938	ug/L	
Cr	52	-0.017604	11216.229	ug/L	0.001
Cr	53	0.091863	9601.163	ug/L	0.078
Fe	54	6848.437699	6362224.051	ug/L	66.497
Mn	55	539.895223	10673056.308	ug/L	2.007
Fe	56	6965.290663	110957484.298	ug/L	15.826
Fe	57	7082.341771	2674597.243	ug/L	20.449
Co	59	0.472883	7031.789	ug/L	0.003
Ni	60	4.234317	12909.289	ug/L	0.022
Ni	62	3.692465	1713.845	ug/L	0.196
Cu	63	0.937007	6777.260	ug/L	0.006
Zn	64	1.269895	5393.741	ug/L	0.043
Cu	65	0.410155	1483.803	ug/L	0.007
Zn	66	1.130328	2865.814	ug/L	0.001
Zn	68	3.037308	4640.564	ug/L	0.019
Ge	72		175756.055	ug/L	
As	75	40.379600	74487.601	ug/L	0.122
ArCl	77		861.716	ug/L	
Se	78	0.084305	12828.394	ug/L	0.060
Br	79		135519.213	ug/L	

Br	81		176429.533	ug/L	
Se	82	2.965398	412.271	ug/L	0.025
Y	89		452413.445	ug/L	
Mo	95	1.110202	4837.002	ug/L	0.004
Rh	103		381632.503	ug/L	
Ag	107	0.135061	1776.192	ug/L	0.017
Ag	109	0.134996	1713.513	ug/L	0.016
Cd	111	0.004350	79.334	ug/L	0.003
Cd	114	-0.051133	187.337	ug/L	0.001
In	115		476494.278	ug/L	
Sb	121	0.043783	767.040	ug/L	0.007
Sb	123	0.046321	616.010	ug/L	0.006
Ba	137	66.612632	306906.921	ug/L	0.309
Ba	138	65.634536	1944432.419	ug/L	0.178
Tb	159		541093.362	ug/L	
Ho	165		520709.984	ug/L	
Hg	200	0.024613	60.334	ug/L	0.001
Hg	202	0.018072	61.001	ug/L	0.001
Tl	205	-0.005994	265.673	ug/L	0.000
Pb	208	0.030593	3807.353	ug/L	0.001
Bi	209		396681.997	ug/L	
Se	77	0.554633	920.056	ug/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		91.491
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	83.443
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.305
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	90.160
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92079.04
Sample Date/Time: Wednesday, August 25, 2010 11:28:37
Autosampler Position: 151
Sample Description: AqTot 1:1
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.04.46992

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17591.672	ug/L	
Be	9	0.010659	12.667	ug/L	0.000
B	10	134.796367	16828.064	ug/L	1.403
B	11	141.917692	88717.843	ug/L	3.391
C	12		703665.853	ug/L	
Na	23	40760.562174	319804791.626	ug/L	611.848
Mg	24	11282.416432	59103741.749	ug/L	117.813
Mg	25	11171.057258	8258903.441	ug/L	124.969
Al	27	4.440776	41592.412	ug/L	0.031
Si	28		21401624.525	ug/L	
P	31	155.978458	87184.756	ug/L	0.489
S	32		94497673.757	ug/L	
Cl	35		11671681.586	ug/L	
K	39	10213.980048	138074668.737	ug/L	289.659
Ca	44	22498.660025	9782053.282	ug/L	429.894
Sc	45		250738.839	ug/L	
Ti	47	1.353162	1857.208	ug/L	0.007
Ti	48	23.210898	289200.531	ug/L	1.658
V	51	0.063089	29388.728	ug/L	0.027
ClO	51		30283.678	ug/L	
Cr	52	-0.031470	11169.659	ug/L	0.001
Cr	53	-0.060407	9482.039	ug/L	0.126
Fe	54	6842.017977	6434266.753	ug/L	2.952
Mn	55	548.699178	10979696.861	ug/L	2.842
Fe	56	6978.357734	112515037.173	ug/L	72.417
Fe	57	7034.100050	2688975.644	ug/L	71.592
Co	59	0.460995	6946.723	ug/L	0.008
Ni	60	4.145382	12795.794	ug/L	0.019
Ni	62	3.472436	1635.830	ug/L	0.039
Cu	63	0.738192	5492.381	ug/L	0.016
Zn	64	1.412453	5925.776	ug/L	0.011
Cu	65	0.241663	935.724	ug/L	0.001
Zn	66	1.218937	3071.216	ug/L	0.045
Zn	68	3.099866	4781.305	ug/L	0.051
Ge	72		175404.011	ug/L	
As	75	40.738454	75001.771	ug/L	0.047
ArCl	77		880.051	ug/L	
Se	78	0.054037	12789.370	ug/L	0.213
Br	79		136998.098	ug/L	

Br	81		176580.804	ug/L	
Se	82	2.986637	415.947	ug/L	0.110
Y	89		453935.816	ug/L	
Mo	95	1.084767	4717.938	ug/L	0.009
Rh	103		378380.793	ug/L	
Ag	107	0.251348	3093.561	ug/L	0.029
Ag	109	0.245762	2904.828	ug/L	0.019
Cd	111	0.000170	67.334	ug/L	0.001
Cd	114	-0.051307	186.004	ug/L	0.001
In	115		475933.977	ug/L	
Sb	121	0.048160	806.377	ug/L	0.001
Sb	123	0.048495	630.932	ug/L	0.008
Ba	137	66.269213	304973.986	ug/L	0.209
Ba	138	65.565030	1940086.355	ug/L	0.242
Tb	159		547118.908	ug/L	
Ho	165		521493.119	ug/L	
Hg	200	0.024233	59.667	ug/L	0.000
Hg	202	0.017652	60.001	ug/L	0.000
Tl	205	-0.005324	283.674	ug/L	0.001
Pb	208	0.044871	4338.781	ug/L	0.004
Bi	209		405263.247	ug/L	
Se	77	0.592404	926.390	ug/L	0.127

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
-	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		92.607
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	83.276
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.207
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	90.296
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92079.03 MS
Sample Date/Time: Wednesday, August 25, 2010 11:35:09
Autosampler Position: 152
Sample Description: AqTot 1:1
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03 MS.46993

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17633.085	ug/L	
Be	9	492.852256	210017.558	ug/L	7.456
B	10	127.328438	15560.463	ug/L	2.161
B	11	133.730597	81836.538	ug/L	1.586
C	12		1040014.995	ug/L	
Na	23	43839.571752	336599118.685	ug/L	429.678
Mg	24	16103.426285	82553768.867	ug/L	191.412
Mg	25	15878.959787	11488276.432	ug/L	183.512
Al	27	5378.978287	44344066.654	ug/L	24.378
Si	28		19812221.028	ug/L	
P	31	5038.813920	2362697.521	ug/L	33.249
S	32		98518424.809	ug/L	
Cl	35		12494604.605	ug/L	
K	39	15056.364490	198781681.141	ug/L	177.771
Ca	44	26679.865914	11349782.540	ug/L	211.349
Sc	45		245379.513	ug/L	
Ti	47	14.037579	16351.188	ug/L	0.023
Ti	48	26.326139	321085.840	ug/L	0.700
V	51	440.823922	6878398.234	ug/L	3.901
ClO	51		7020840.205	ug/L	
Cr	52	428.413027	5553321.427	ug/L	0.509
Cr	53	441.934554	683705.824	ug/L	2.666
Fe	54	11377.351209	10417993.644	ug/L	50.870
Mn	55	935.490641	18316314.854	ug/L	10.357
Fe	56	11662.115878	181588068.528	ug/L	251.324
Fe	57	11705.081040	4369789.295	ug/L	225.679
Co	59	436.651626	6136919.245	ug/L	9.759
Ni	60	441.743561	1319793.694	ug/L	2.647
Ni	62	451.040734	199611.396	ug/L	4.125
Cu	63	412.422442	2777589.166	ug/L	5.518
Zn	64	444.737248	1421716.106	ug/L	2.498
Cu	65	432.045030	1421226.125	ug/L	1.052
Zn	66	449.563338	847990.290	ug/L	2.356
Zn	68	453.361872	595229.960	ug/L	2.000
Ge	72		177226.839	ug/L	
As	75	545.584467	1017507.092	ug/L	3.218
ArCl	77		74365.667	ug/L	
Se	78	519.105474	249200.137	ug/L	2.301
Br	79		125410.502	ug/L	

Br	81		163690.169	ug/L	
Se	82	493.277996	103783.973	ug/L	1.691
Y	89		449899.928	ug/L	
Mo	95	496.297079	2157251.060	ug/L	7.336
Rh	103		376606.621	ug/L	
Ag	107	313.715847	3528026.595	ug/L	2.015
Ag	109	312.231902	3335292.873	ug/L	11.046
Cd	111	497.444006	1401422.754	ug/L	3.477
Cd	114	487.447020	3209558.327	ug/L	0.272
In	115		471776.702	ug/L	
Sb	121	493.480177	4517044.536	ug/L	4.486
Sb	123	491.550761	3502945.178	ug/L	3.020
Ba	137	553.210254	2522875.850	ug/L	1.100
Ba	138	550.115806	16132310.404	ug/L	0.317
Tb	159		534603.005	ug/L	
Ho	165		511994.403	ug/L	
Hg	200	0.546415	1072.407	ug/L	0.008
Hg	202	0.534333	1376.785	ug/L	0.006
Tl	205	485.881112	12745709.914	ug/L	5.541
Pb	208	483.309357	17511097.988	ug/L	5.471
Bi	209		397827.219	ug/L	
Se	77	434.808132	73742.617	ug/L	1.587

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		90.627
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 84.141
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 82.480
Sb
Sb
Ba
Ba
Tb
Ho 88.651
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92079.03 MSD
Sample Date/Time: Wednesday, August 25, 2010 11:41:41
Autosampler Position: 153
Sample Description: AqTot 1:1
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03 MSD.46994

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17089.382	ug/L	
Be	9	495.993953	207710.852	ug/L	0.785
B	10	128.892865	15479.325	ug/L	2.369
B	11	135.037187	81207.965	ug/L	2.042
C	12		1037328.762	ug/L	
Na	23	44351.594712	334662032.949	ug/L	500.853
Mg	24	16268.977490	81964170.470	ug/L	49.841
Mg	25	16081.250165	11434077.660	ug/L	129.545
Al	27	5380.191853	43589329.723	ug/L	24.963
Si	28		19675085.029	ug/L	
P	31	5038.282263	2321697.983	ug/L	2.382
S	32		95849804.443	ug/L	
Cl	35		12347715.498	ug/L	
K	39	15046.455094	195228938.498	ug/L	212.257
Ca	44	27101.456799	11330320.772	ug/L	328.477
Sc	45		241147.174	ug/L	
Ti	47	13.499189	15462.961	ug/L	0.026
Ti	48	28.712174	344169.158	ug/L	0.143
V	51	449.417993	6891106.493	ug/L	4.407
ClO	51		6974927.728	ug/L	
Cr	52	432.295259	5506906.015	ug/L	0.691
Cr	53	443.979441	674984.323	ug/L	1.821
Fe	54	11559.352017	10401003.667	ug/L	127.957
Mn	55	951.082416	18300646.397	ug/L	11.431
Fe	56	11918.285646	182300938.151	ug/L	147.796
Fe	57	11881.033108	4358801.621	ug/L	74.717
Co	59	439.449303	6069750.319	ug/L	2.823
Ni	60	444.925120	1306373.940	ug/L	1.039
Ni	62	452.432507	196775.557	ug/L	3.301
Cu	63	417.985500	2766512.418	ug/L	2.148
Zn	64	447.427933	1405639.392	ug/L	0.176
Cu	65	433.815913	1402452.914	ug/L	3.286
Zn	66	452.111196	838088.435	ug/L	1.665
Zn	68	454.034066	585830.037	ug/L	0.044
Ge	72		174823.750	ug/L	
As	75	547.131732	1006575.537	ug/L	1.363
ArCl	77		73396.494	ug/L	
Se	78	519.057876	245782.235	ug/L	6.531
Br	79		125502.305	ug/L	

Br	81		163728.243	ug/L	
Se	82	498.785265	103520.643	ug/L	1.344
Y	89		448797.523	ug/L	
Mo	95	507.677074	2176740.214	ug/L	1.345
Rh	103		376540.158	ug/L	
Ag	107	297.936635	3285861.752	ug/L	3.110
Ag	109	323.122599	3384298.712	ug/L	15.114
Cd	111	503.768960	1391940.152	ug/L	1.423
Cd	114	494.467409	3193011.310	ug/L	5.702
In	115		462683.324	ug/L	
Sb	121	506.252644	4544322.816	ug/L	12.590
Sb	123	502.170369	3509463.855	ug/L	12.752
Ba	137	563.755363	2521422.667	ug/L	6.382
Ba	138	561.876928	16159453.401	ug/L	5.877
Tb	159		534516.034	ug/L	
Ho	165		510202.083	ug/L	
Hg	200	0.540037	1056.405	ug/L	0.002
Hg	202	0.534889	1373.451	ug/L	0.009
Tl	205	487.940850	12755853.024	ug/L	0.982
Pb	208	480.842330	17362114.925	ug/L	4.755
Bi	209		392548.112	ug/L	
Se	77	430.395712	73002.672	ug/L	0.805

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
-	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		89.064
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 83.001
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 80.891
Sb
Sb
Ba
Ba
Tb
> Ho 88.341
Hg
Hg
Tl
Pb
Bi
Se

92079.08 post

Sample ID: ~~92049.17~~ MS

Sample Date/Time: Wednesday, August 25, 2010 04:58:40

Autosampler Position: 110

Sample Description: AqDis

Batch ID:

Method File: C:\Elandata\Method\tim.mth

Dataset File: C:\Elandata\Dataset\default\92049.17 MS.46935

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16563.075	ug/L	
Be	9	862.337315	392474.513	ug/L	27.227
B	10	219.884711	28647.371	ug/L	0.004
B	11	231.590763	151038.682	ug/L	3.040
C	12		1700850.381	ug/L	
Na	23	79899.283142	655417553.005	ug/L	778.493
Mg	24	29319.958619	160604604.887	ug/L	109.845
Mg	25	29055.663266	22461359.314	ug/L	123.509
Al	27	9845.446280	86720582.118	ug/L	51.925
Si	28		39070770.841	ug/L	
P	31	9155.573063	4576189.826	ug/L	34.092
S	32		104561802.983	ug/L	
Cl	35		14889552.836	ug/L	
K	39	27728.551240	390457876.995	ug/L	63.556
Ca	44	49226.347838	22371120.407	ug/L	432.666
Sc	45		262205.111	ug/L	
Ti	47	24.750077	30573.630	ug/L	0.824
Ti	48	39.412135	513215.664	ug/L	3.036
V	51	818.442401	13617152.269	ug/L	15.094
ClO	51		13909986.126	ug/L	
Cr	52	790.153166	10931233.783	ug/L	16.149
Cr	53	801.616034	1316514.141	ug/L	22.519
Fe	54	20888.530300	20361285.086	ug/L	459.582
Mn	55	1711.201294	35787562.503	ug/L	33.775
Fe	56	21370.757810	352262506.640	ug/L	427.563
Fe	57	21245.235467	8460852.208	ug/L	420.384
Co	59	786.714518	11811199.023	ug/L	16.180
Ni	60	758.087347	2419299.381	ug/L	17.865
Ni	62	791.547510	374142.924	ug/L	18.890
Cu	63	727.166992	5231138.420	ug/L	15.923
Zn	64	747.402350	2551263.943	ug/L	17.938
Cu	65	728.122948	2558450.622	ug/L	17.226
Zn	66	769.952751	1550590.713	ug/L	26.691
Zn	68	780.147345	1093332.056	ug/L	34.570
Ge	72		175128.414	ug/L	
As	75	1056.315819	1946847.102	ug/L	2.390
ArCl	77		140924.294	ug/L	
Se	78	1002.197113	463450.087	ug/L	23.004
Br	79		244474.548	ug/L	

Br	81		288621.068	ug/L	
Se	82	942.764089	196143.433	ug/L	24.681
Y	89		440774.678	ug/L	
Mo	95	1010.198561	4337228.617	ug/L	39.932
Rh	103		366773.121	ug/L	
Ag	107	756.754520	8251726.558	ug/L	8.665
Ag	109	755.535660	7825052.228	ug/L	22.788
Cd	111	951.475349	2599072.602	ug/L	1.615
Cd	114	966.043670	6166867.234	ug/L	3.016
In	115		457435.199	ug/L	
Sb	121	1013.057474	8991283.456	ug/L	16.836
Sb	123	1010.364482	6981292.660	ug/L	10.987
Ba	137	1145.485962	5065104.340	ug/L	1.380
Ba	138	1149.827309	32692718.398	ug/L	3.175
Tb	159		520593.949	ug/L	
Ho	165		501560.006	ug/L	
Hg	200	1.039603	1988.571	ug/L	0.017
Hg	202	1.033452	2596.063	ug/L	0.002
Tl	205	953.095537	24493814.456	ug/L	1.825
Pb	208	932.915441	33112542.104	ug/L	2.100
Bi	209		370889.168	ug/L	
Se	77	831.524077	140270.282	ug/L	3.263

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		96.842
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 83.145
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 79.973
Sb
Sb
Ba
Ba
Tb
Ho 86.845
Hg
Hg
Tl
Pb
Bi
Se

Tot 92079.03 (IV)

Sample ID: 92049.17 MSD
Sample Date/Time: Wednesday, August 25, 2010 05:05:14
Autosampler Position: 111
Sample Description: AqDis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92049.17 MSD.46936

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		16838.246	ug/L	
Be	9	864.801958	386656.671	ug/L	20.445
B	10	223.455071	28590.513	ug/L	0.418
B	11	234.556476	150268.918	ug/L	1.086
C	12		1584395.590	ug/L	
Na	23	81819.462777	659175461.829	ug/L	1274.542
Mg	24	29788.454153	160236855.378	ug/L	550.043
Mg	25	29427.445189	22340046.590	ug/L	519.809
Al	27	9925.317517	85854597.836	ug/L	175.901
Si	28		38981078.702	ug/L	
P	31	9226.936913	4528638.637	ug/L	211.958
S	32		101198182.989	ug/L	
Cl	35		14929616.760	ug/L	
K	39	28029.970133	387573661.193	ug/L	426.355
Ca	44	49893.961179	22263679.784	ug/L	666.586
Sc	45		257521.123	ug/L	
Ti	47	24.437133	29660.269	ug/L	0.468
Ti	48	39.883351	510869.483	ug/L	1.817
V	51	823.365555	13457482.816	ug/L	1.897
ClO	51		13713995.068	ug/L	
Cr	52	789.431413	10728839.015	ug/L	4.012
Cr	53	795.771467	1283977.926	ug/L	12.179
Fe	54	21009.648183	20119313.742	ug/L	13.865
Mn	55	1723.632730	35410432.424	ug/L	17.102
Fe	56	21555.071801	348991376.596	ug/L	199.287
Fe	57	21447.797289	8389990.296	ug/L	332.400
Co	59	787.803089	11618942.542	ug/L	5.698
Ni	60	760.627431	2384714.848	ug/L	4.923
Ni	62	790.789206	367193.331	ug/L	9.495
Cu	63	726.401182	5133469.418	ug/L	6.707
Zn	64	747.431300	2506667.072	ug/L	0.204
Cu	65	726.772449	2508801.288	ug/L	4.585
Zn	66	765.581745	1514805.061	ug/L	11.214
Zn	68	781.138594	1075646.681	ug/L	16.291
Ge	72		173521.724	ug/L	
As	75	1038.376539	1896271.411	ug/L	2.056
ArCl	77		137194.885	ug/L	
Se	78	974.961527	447170.392	ug/L	12.470
Br	79		241336.731	ug/L	

Br	81		283797.148	ug/L	
Se	82	919.763491	189648.058	ug/L	3.003
Y	89		432429.073	ug/L	
Mo	95	1004.314585	4274139.477	ug/L	7.245
Rh	103		359334.880	ug/L	
Ag	107	767.935899	8196234.457	ug/L	11.086
Ag	109	761.915786	7721538.925	ug/L	8.838
Cd	111	965.243794	2580666.694	ug/L	7.233
Cd	114	971.496102	6070167.673	ug/L	2.915
In	115		447734.986	ug/L	
Sb	121	1019.841607	8859124.144	ug/L	10.145
Sb	123	1017.823649	6883469.775	ug/L	6.434
Ba	137	1151.172803	4981965.364	ug/L	10.061
Ba	138	1157.211516	32202521.441	ug/L	15.883
Tb	159		514879.367	ug/L	
Ho	165		493142.246	ug/L	
Hg	200	1.045015	1965.566	ug/L	0.029
Hg	202	1.036127	2559.052	ug/L	0.004
Tl	205	965.636625	24399481.231	ug/L	4.480
Pb	208	948.012060	33083584.066	ug/L	9.595
Bi	209		365595.742	ug/L	
Se	77	809.415678	136562.792	ug/L	6.626

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		95.112
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 82.382
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 78.277
Sb
Sb
Ba
Ba
Tb
Ho 85.387
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92079.03 MS
Sample Date/Time: Wednesday, August 25, 2010 12:09:37
Autosampler Position: 152
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03 MS.46998

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17766.681	ug/L	
Be	9	0.023181	16.667	ug/L	0.019
B	10	29.268816	3419.344	ug/L	0.372
B	11	30.995464	18145.283	ug/L	1.297
C	12		1131092.440	ug/L	
Na	23	18782.621527	135370977.035	ug/L	303.592
Mg	24	12610.205787	60676670.356	ug/L	271.933
Mg	25	12467.480873	8466220.975	ug/L	298.728
Al	27	9951.821343	77000617.486	ug/L	256.396
Si	28		4164463.444	ug/L	
P	31	9963.192064	4373399.007	ug/L	179.657
S	32		98977302.768	ug/L	
Cl	35		11984595.878	ug/L	
K	39	11874.580061	147309889.534	ug/L	307.557
Ca	44	14511.009518	5798039.800	ug/L	470.240
Sc	45		230328.023	ug/L	
Ti	47	25.144043	27291.847	ug/L	0.448
Ti	48	17.537848	200691.666	ug/L	0.151
V	51	0.259365	29856.586	ug/L	0.048
ClO	51		29880.330	ug/L	
Cr	52	0.087627	11705.888	ug/L	0.018
Cr	53	0.785530	9920.511	ug/L	0.210
Fe	54	10972.267393	9432232.373	ug/L	464.566
Mn	55	116.204809	2138861.716	ug/L	4.309
Fe	56	11312.845545	165431483.790	ug/L	328.311
Fe	57	11304.039396	3961271.016	ug/L	351.353
Co	59	0.152237	2307.983	ug/L	0.000
Ni	60	1.287285	3739.473	ug/L	0.014
Ni	62	0.885249	428.348	ug/L	0.033
Cu	63	0.377430	2764.781	ug/L	0.000
Zn	64	1.474041	5627.164	ug/L	0.089
Cu	65	0.218073	786.709	ug/L	0.002
Zn	66	0.697621	1898.884	ug/L	0.045
Zn	68	0.985037	1788.194	ug/L	0.043
Ge	72		180326.915	ug/L	
As	75	7.755736	14505.040	ug/L	0.007
ArCl	77		879.051	ug/L	
Se	78	-0.994924	12662.280	ug/L	0.402
Br	79		34267.174	ug/L	

Br	81		67989.230	ug/L	
Se	82	1.563720	122.337	ug/L	0.033
Y	89		460691.278	ug/L	
Mo	95	0.333746	1528.810	ug/L	0.002
Rh	103		391678.466	ug/L	
Ag	107	0.343377	4267.044	ug/L	0.001
Ag	109	0.342149	4066.950	ug/L	0.001
Cd	111	0.008433	93.668	ug/L	0.001
Cd	114	-0.047590	217.338	ug/L	0.001
In	115		490948.303	ug/L	
Sb	121	0.307052	3297.298	ug/L	0.008
Sb	123	0.317968	2649.008	ug/L	0.009
Ba	137	12.636342	60071.425	ug/L	0.045
Ba	138	12.710089	388402.909	ug/L	0.082
Tb	159		554872.352	ug/L	
Ho	165		525017.584	ug/L	
Hg	200	0.006625	25.000	ug/L	0.007
Hg	202	0.003731	24.000	ug/L	0.000
Tl	205	0.020531	981.396	ug/L	0.001
Pb	208	0.019820	3438.956	ug/L	0.004
Bi	209		421740.393	ug/L	
Se	77	0.453248	903.054	ug/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		85.068
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 85.613
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 85.832
Sb
Sb
Ba
Ba
Tb
Ho 90.906
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92079.03 MSD
Sample Date/Time: Wednesday, August 25, 2010 12:16:09
Autosampler Position: 153
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.03 MSD.46999

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18115.368	ug/L	
Be	9	0.030756	20.000	ug/L	0.003
B	10	29.169517	3465.362	ug/L	0.069
B	11	30.813603	18346.679	ug/L	0.113
C	12		1168886.708	ug/L	
Na	23	18655.855780	136726749.530	ug/L	241.172
Mg	24	12572.973709	61520095.860	ug/L	192.774
Mg	25	12461.758360	8605332.230	ug/L	150.296
Al	27	9927.577214	78110909.676	ug/L	100.377
Si	28		4209412.058	ug/L	
P	31	10010.126675	4468122.078	ug/L	126.069
S	32		102189448.484	ug/L	
Cl	35		11904468.032	ug/L	
K	39	11829.253900	149227129.012	ug/L	54.241
Ca	44	14513.835995	5897353.131	ug/L	203.420
Sc	45		234192.930	ug/L	
Ti	47	24.476803	27022.040	ug/L	0.105
Ti	48	17.174745	199818.467	ug/L	0.378
V	51	0.194855	29404.449	ug/L	0.028
ClO	51		30079.994	ug/L	
Cr	52	0.088942	11920.106	ug/L	0.020
Cr	53	0.632297	9864.781	ug/L	0.007
Fe	54	10880.602414	9512417.006	ug/L	60.863
Mn	55	114.885139	2150416.431	ug/L	1.120
Fe	56	11172.379079	166184704.524	ug/L	166.452
Fe	57	11105.561690	3957751.527	ug/L	101.124
Co	59	0.150054	2317.318	ug/L	0.003
Ni	60	1.272283	3759.481	ug/L	0.008
Ni	62	0.919833	450.016	ug/L	0.052
Cu	63	0.691135	4827.330	ug/L	0.001
Zn	64	1.674494	6333.605	ug/L	0.015
Cu	65	0.527437	1771.190	ug/L	0.007
Zn	66	0.939973	2366.998	ug/L	0.011
Zn	68	1.192089	2077.592	ug/L	0.010
Ge	72		179668.750	ug/L	
As	75	7.949154	14818.457	ug/L	0.195
ArCl	77		876.718	ug/L	
Se	78	-0.623983	12787.191	ug/L	0.010
Br	79		35364.732	ug/L	

Br	81		69756.344	ug/L	
Se	82	1.423359	91.928	ug/L	0.109
Y	89		463151.696	ug/L	
Mo	95	0.310777	1422.126	ug/L	0.014
Rh	103		387236.749	ug/L	
Ag	107	0.185613	2385.670	ug/L	0.006
Ag	109	0.180603	2238.631	ug/L	0.004
Cd	111	0.004518	81.001	ug/L	0.004
Cd	114	-0.051018	191.004	ug/L	0.001
In	115		483799.751	ug/L	
Sb	121	0.166131	1926.890	ug/L	0.007
Sb	123	0.160388	1458.812	ug/L	0.010
Ba	137	12.872215	60299.254	ug/L	0.038
Ba	138	12.960002	390256.258	ug/L	0.072
Tb	159		546998.560	ug/L	
Ho	165		527423.515	ug/L	
Hg	200	0.006066	24.000	ug/L	0.001
Hg	202	0.003176	22.667	ug/L	0.001
Tl	205	0.015739	856.382	ug/L	0.000
Pb	208	0.039653	4194.423	ug/L	0.002
Bi	209		416557.924	ug/L	
Se	77	0.369755	889.052	ug/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		86.496
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 85.301
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 84.582
Sb
Sb
Ba
Ba
Tb
Ho 91.323
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 92079.01
Sample Date/Time: Wednesday, August 25, 2010 09:55:01
Autosampler Position: 141
Sample Description: AqTot 1:10
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.01.46978

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18033.872	ug/L	
Be	9	-0.006282	5.000	ug/L	0.001
B	10	32.995573	3952.899	ug/L	0.897
B	11	35.338576	21208.259	ug/L	1.093
C	12		508026.391	ug/L	
Na	23	14260.367926	105677121.635	ug/L	503.640
Mg	24	3294.634672	16300490.743	ug/L	108.754
Mg	25	3311.940459	2312588.060	ug/L	103.081
Al	27	0.965235	11638.620	ug/L	0.062
Si	28		3813009.719	ug/L	
P	31	33.023161	27016.308	ug/L	5.165
S	32		92789133.005	ug/L	
Cl	35		10404149.358	ug/L	
K	39	2437.515615	31726373.823	ug/L	67.481
Ca	44	3867.798616	1596086.582	ug/L	84.734
Sc	45		236854.038	ug/L	
Ti	47	0.182246	459.350	ug/L	0.002
Ti	48	3.075903	35972.960	ug/L	0.178
V	51	-0.078415	25635.684	ug/L	0.023
ClO	51		26235.397	ug/L	
Cr	52	-0.014227	10764.762	ug/L	0.022
Cr	53	-0.305603	8595.147	ug/L	0.033
Fe	54	1635.444692	1511074.987	ug/L	10.826
Mn	55	89.846446	1701516.317	ug/L	1.367
Fe	56	1549.714521	26311614.273	ug/L	17.587
Fe	57	1591.476625	584867.820	ug/L	10.539
Co	59	0.076894	1351.114	ug/L	0.003
Ni	60	1.235290	3695.121	ug/L	0.028
Ni	62	1.134838	546.689	ug/L	0.128
Cu	63	0.320391	2472.027	ug/L	0.009
Zn	64	0.477601	2715.321	ug/L	0.010
Cu	65	0.147009	583.358	ug/L	0.002
Zn	66	0.427696	1461.799	ug/L	0.008
Zn	68	0.723824	1508.140	ug/L	0.024
Ge	72		181337.386	ug/L	
As	75	0.853576	1412.545	ug/L	0.007
ArCl	77		759.039	ug/L	
Se	78	-0.306015	13054.096	ug/L	0.311
Br	79		121582.242	ug/L	

Br	81		160916.560	ug/L	
Se	82	2.305557	283.039	ug/L	0.076
Y	89		469477.638	ug/L	
Mo	95	0.691306	3127.569	ug/L	0.008
Rh	103		402731.275	ug/L	
Ag	107	0.142034	1935.559	ug/L	0.014
Ag	109	0.142440	1871.212	ug/L	0.018
Cd	111	-0.013410	30.000	ug/L	0.002
Cd	114	-0.068693	73.668	ug/L	0.001
In	115		497463.563	ug/L	
Sb	121	0.016373	535.688	ug/L	0.008
Sb	123	0.015379	410.335	ug/L	0.004
Ba	137	10.759075	51837.892	ug/L	0.141
Ba	138	10.785705	334028.938	ug/L	0.125
Tb	159		563278.591	ug/L	
Ho	165		535158.892	ug/L	
Hg	200	0.000469	13.000	ug/L	0.000
Hg	202	-0.000068	14.333	ug/L	0.000
Tl	205	-0.005387	289.674	ug/L	0.000
Pb	208	-0.011795	2307.805	ug/L	0.003
Bi	209		435468.439	ug/L	
Se	77	-0.548665	735.037	ug/L	0.166

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		87.478
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	86.093
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.971
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	92.662
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 92079.05
Sample Date/Time: Wednesday, August 25, 2010 13:04:02
Autosampler Position: 156
Sample Description: Ag Check
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.05.47006

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		17918.978	ug/L	
Be	9	0.001808	9.000	ug/L	0.001
B	10	8.969353	1227.095	ug/L	0.370
B	11	9.488465	6521.404	ug/L	0.144
C	12		730603.969	ug/L	
Na	23	8440.314659	67649859.642	ug/L	84.603
Mg	24	3859.913716	20651933.028	ug/L	42.479
Mg	25	3828.496415	2890879.648	ug/L	36.365
Al	27	4.233753	40688.790	ug/L	0.541
Si	28		29390582.657	ug/L	
P	31	5.253567	15681.824	ug/L	3.278
S	32		96208442.072	ug/L	
Cl	35		10168854.438	ug/L	
K	39	1927.851719	27314096.669	ug/L	48.035
Ca	44	12368.569771	5496673.954	ug/L	186.697
Sc	45		256093.040	ug/L	
Ti	47	1.164739	1671.504	ug/L	0.009
Ti	48	14.044430	178653.543	ug/L	0.348
V	51	0.164128	31652.663	ug/L	0.037
ClO	51		32322.691	ug/L	
Cr	52	0.057572	12609.887	ug/L	0.012
Cr	53	0.484101	10550.891	ug/L	0.087
Fe	54	6.364488	88900.278	ug/L	0.575
Mn	55	0.274819	9992.589	ug/L	0.007
Fe	56	-18.874427	3466874.963	ug/L	0.569
Fe	57	45.580900	31965.968	ug/L	1.885
Co	59	0.077263	1466.466	ug/L	0.001
Ni	60	4.192217	13214.397	ug/L	0.071
Ni	62	3.736208	1792.528	ug/L	0.055
Cu	63	0.238927	2100.597	ug/L	0.005
Zn	64	2.363253	9221.283	ug/L	0.033
Cu	65	0.175918	730.037	ug/L	0.003
Zn	66	2.020154	4712.602	ug/L	0.072
Zn	68	2.299410	3787.493	ug/L	0.022
Ge	72		174650.035	ug/L	
As	75	0.156619	79.048	ug/L	0.011
ArCl	77		888.386	ug/L	
Se	78	0.181554	12790.238	ug/L	0.243
Br	79		14360.828	ug/L	

Br	81		47905.101	ug/L	
Se	82	1.211113	45.366	ug/L	0.064
Y	89		462275.500	ug/L	
Mo	95	0.323958	1439.128	ug/L	0.008
Rh	103		390706.081	ug/L	
Ag	107	0.510286	6284.234	ug/L	0.004
Ag	109	0.517837	6082.429	ug/L	0.010
Cd	111	-0.011933	34.334	ug/L	0.001
Cd	114	-0.068904	72.001	ug/L	0.001
In	115		496031.576	ug/L	
Sb	121	0.105247	1390.120	ug/L	0.006
Sb	123	0.099612	1040.561	ug/L	0.004
Ba	137	3.151110	15212.870	ug/L	0.019
Ba	138	3.180887	98610.151	ug/L	0.021
Tb	159		555165.570	ug/L	
Ho	165		539405.251	ug/L	
Hg	200	0.006452	25.334	ug/L	0.001
Hg	202	0.004844	27.667	ug/L	0.001
Tl	205	-0.002041	384.345	ug/L	0.001
Pb	208	-0.027302	1734.749	ug/L	0.001
Bi	209		426507.683	ug/L	
Se	77	0.427405	898.720	ug/L	0.236

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		94.584
	Ti		
	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 82.918
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 86.721
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 93.397
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 92079.06
Sample Date/Time: Wednesday, August 25, 2010 13:10:36
Autosampler Position: 157
Sample Description: Ag Check
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.06.47007

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18021.846	ug/L	
Be	9	0.001107	8.667	ug/L	0.002
B	10	7.963199	1097.411	ug/L	0.359
B	11	8.579043	5933.995	ug/L	0.067
C	12		699833.378	ug/L	
Na	23	8610.542419	68894995.100	ug/L	96.775
Mg	24	4147.704142	22154909.282	ug/L	12.416
Mg	25	4085.971853	3080141.634	ug/L	16.887
Al	27	5.000488	47213.661	ug/L	0.064
Si	28		29823730.060	ug/L	
P	31	2.341243	14229.230	ug/L	1.964
S	32		97843473.247	ug/L	
Cl	35		10346131.923	ug/L	
K	39	1893.888766	26805538.750	ug/L	3.691
Ca	44	14765.687355	6548885.025	ug/L	134.102
Sc	45		255668.382	ug/L	
Ti	47	1.211305	1723.514	ug/L	0.090
Ti	48	16.105605	204474.122	ug/L	0.879
V	51	0.238881	32812.110	ug/L	0.000
ClO	51		32932.549	ug/L	
Cr	52	-0.037191	11310.200	ug/L	0.018
Cr	53	0.494406	10551.228	ug/L	0.090
Fe	54	30.544303	111620.833	ug/L	3.627
Mn	55	14.593188	301965.121	ug/L	0.273
Fe	56	13.261199	3971389.944	ug/L	5.682
Fe	57	86.878035	47920.750	ug/L	2.432
Co	59	0.019079	612.027	ug/L	0.001
Ni	60	1.312769	4229.359	ug/L	0.040
Ni	62	0.792521	432.681	ug/L	0.000
Cu	63	0.288083	2442.019	ug/L	0.001
Zn	64	1.637268	6791.368	ug/L	0.040
Cu	65	0.237989	941.391	ug/L	0.005
Zn	66	1.233184	3159.914	ug/L	0.010
Zn	68	1.526848	2725.436	ug/L	0.009
Ge	72		177212.209	ug/L	
As	75	0.177624	119.544	ug/L	0.003
ArCl	77		988.730	ug/L	
Se	78	-0.740727	12556.951	ug/L	0.513
Br	79		14797.544	ug/L	

Br	81		48985.801	ug/L	
Se	82	1.185203	40.474	ug/L	0.021
Y	89		459065.140	ug/L	
Mo	95	0.229772	1050.405	ug/L	0.003
Rh	103		390412.321	ug/L	
Ag	107	0.398049	4876.357	ug/L	0.014
Ag	109	0.393357	4607.214	ug/L	0.011
Cd	111	-0.014248	27.000	ug/L	0.002
Cd	114	-0.071626	52.334	ug/L	0.001
In	115		487861.940	ug/L	
Sb	121	0.081018	1137.749	ug/L	0.009
Sb	123	0.076996	856.747	ug/L	0.008
Ba	137	2.635808	12532.758	ug/L	0.005
Ba	138	2.662886	81280.433	ug/L	0.022
Tb	159		557321.366	ug/L	
Ho	165		537319.420	ug/L	
Hg	200	0.003554	19.334	ug/L	0.001
Hg	202	0.002774	22.000	ug/L	0.001
Tl	205	-0.004278	321.342	ug/L	0.001
Pb	208	-0.009595	2401.148	ug/L	0.002
Bi	209		434649.752	ug/L	
Se	77	0.811079	963.061	ug/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		94.427
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe	
Co	
Ni	
Ni	
Cu	
Zn	
Cu	
Zn	
Zn	
Ge	84.135
As	
ArCl	
Se	
Br	
Br	
Se	
Y	
Mo	
Rh	
Ag	
Ag	
Cd	
Cd	
In	85.293
Sb	
Sb	
Ba	
Ba	
Tb	
Ho	93.036
Hg	
Hg	
Tl	
Pb	
Bi	
Se	

Sample ID: 92079.07
Sample Date/Time: Wednesday, August 25, 2010 13:17:10
Autosampler Position: 158
Sample Description: Ag Check
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\92079.07.47008

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		18256.981	ug/L	
Be	9	-0.000602	7.000	ug/L	0.011
B	10	1.203909	213.671	ug/L	0.018
B	11	1.253611	1140.416	ug/L	0.021
C	12		722828.233	ug/L	
Na	23	236.057480	1687680.375	ug/L	4.158
Mg	24	12.197232	58516.944	ug/L	0.253
Mg	25	11.439049	7774.100	ug/L	0.250
Al	27	3.040162	26842.250	ug/L	0.015
Si	28		611045.345	ug/L	
P	31	3.798267	13204.236	ug/L	0.338
S	32		93546504.395	ug/L	
Cl	35		10146851.532	ug/L	
K	39	6.178870	835495.069	ug/L	0.646
Ca	44	65.032212	34461.970	ug/L	0.615
Sc	45		225889.333	ug/L	
Ti	47	-0.003958	241.672	ug/L	0.003
Ti	48	0.126158	1173.699	ug/L	0.004
V	51	0.401798	31321.861	ug/L	0.049
ClO	51		31988.515	ug/L	
Cr	52	0.040331	10917.614	ug/L	0.007
Cr	53	1.159214	10255.217	ug/L	0.050
Fe	54	-0.794062	72427.388	ug/L	0.775
Mn	55	-0.030934	3304.634	ug/L	0.002
Fe	56	-1.011091	3308959.210	ug/L	1.431
Fe	57	2.233781	13347.807	ug/L	2.008
Co	59	-0.012079	137.669	ug/L	0.001
Ni	60	0.018295	177.670	ug/L	0.004
Ni	62	0.023318	69.001	ug/L	0.018
Cu	63	0.054444	709.368	ug/L	0.005
Zn	64	2.725397	9198.809	ug/L	0.023
Cu	65	0.066304	312.008	ug/L	0.000
Zn	66	2.743471	5411.998	ug/L	0.019
Zn	68	2.683369	3804.501	ug/L	0.032
Ge	72		176199.157	ug/L	
As	75	-0.022860	-252.880	ug/L	0.003
ArCl	77		897.720	ug/L	
Se	78	-0.233131	12717.358	ug/L	0.284
Br	79		2388.004	ug/L	

Br	81		34391.608	ug/L	
Se	82	0.963614	-6.238	ug/L	0.025
Y	89		462418.390	ug/L	
Mo	95	0.026089	164.336	ug/L	0.002
Rh	103		406648.050	ug/L	
Ag	107	0.322292	4071.622	ug/L	0.020
Ag	109	0.320378	3873.532	ug/L	0.017
Cd	111	-0.016340	21.334	ug/L	0.001
Cd	114	-0.069699	66.668	ug/L	0.000
In	115		496983.405	ug/L	
Sb	121	0.052574	884.719	ug/L	0.002
Sb	123	0.052791	691.482	ug/L	0.010
Ba	137	0.125603	708.035	ug/L	0.005
Ba	138	0.128168	4501.593	ug/L	0.001
Tb	159		562012.686	ug/L	
Ho	165		544773.407	ug/L	
Hg	200	-0.000126	12.000	ug/L	0.000
Hg	202	0.000080	15.000	ug/L	0.001
Tl	205	-0.004976	306.342	ug/L	0.000
Pb	208	-0.030530	1627.406	ug/L	0.001
Bi	209		449915.124	ug/L	
Se	77	0.640115	934.391	ug/L	0.065

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		83.429
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 83.654
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 86.887
Sb
Sb
Ba
Ba
Tb
Ho 94.327
Hg
Hg
Tl
Pb
Bi
Se

eastern analytical, inc.
professional laboratory services

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

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 94623
Client Identification: Coakley LF / P0081
Date Received: 11/10/2010

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

Lorraine Olashaw, Lab Director

11.24.10
Date

13
# of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 94623

Client: **Provan & Lorber (Co)** Client Designation: **Coakley LF / P0081**

Temperature upon receipt (°C): 5 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
94623.01	GW-GZ-125-62-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.02	GW-GZ-125-72-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.03	GW-GZ-125-82-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.04	GW-GZ-125-92-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.05	GW-GZ-125-102-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.06	GW-GZ-125-112-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.07	GW-GZ-125-122-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.08	GW-GZ-125-132-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.09	GW-GZ-125-142-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.1	GW-GZ-125-152-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.11	GW-GZ-125-162-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.12	GW-GZ-125-172-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.13	GW-GZ-125-182-1110	11/10/10	11/9/10	aqueous		Adheres to Sample Acceptance Policy
94623.14	GW-BP-4-39-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.15	GW-BP-4-49-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.16	GW-BP-4-49-Dup-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.17	GW-BP-4-59-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.18	GW-BP-4-69-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.19	GW-BP-4-79-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.2	GW-BP-4-89-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.21	GW-BP-4-97-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.22	GW-MW-6-30-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.23	GW-MW-6-40-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.24	GW-MW-6-50-1110	11/10/10	11/10/10	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

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 94623

Client: **Provan & Lorber (Co)** Client Designation: **Coakley LF / P0081**

Temperature upon receipt (°C): 5 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
94623.25	GW-MW-6-60-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.26	GW-MW-6-60-Dup-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.27	GW-MW-6-70-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.28	GW-MW-6-80-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.29	GW-MW-6-90-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.3	GW-MW-6-100-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.31	GW-MW-6-110-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.32	GW-MW-6-120-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.33	GW-MW-6-130-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.34	GW-MW-6-140-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.35	GW-MW-6-150-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.36	GW-MW-6-160-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.37	GW-BP-4-97-FB-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.38	GW-MW-6-90-FB-1110	11/10/10	11/10/10	aqueous		Adheres to Sample Acceptance Policy
94623.39	Equipment Blank	11/10/10	11/10/10	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

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 94623

Client: **Provan & Lorber (Co)** Client Designation: **Coakley LF / P0081**

Sample ID:	GW-GZ-125-62-1110	GW-GZ-125-72-1110	GW-GZ-125-82-1110	GW-GZ-125-92-1110					
Lab Sample ID:	94623.01	94623.02	94623.03	94623.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	11/9/10	11/9/10	11/9/10	11/9/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	11/10/10	11/10/10	11/10/10	11/10/10					
Arsenic	< 0.001	**0.001**	**0.001**	**0.001**	AqTot	mg/L	11/18/10	200.8	DS
Manganese	**0.51**	**0.67**	**0.65**	**0.41**	AqTot	mg/L	11/18/10	200.8	DS

Sample ID:	GW-GZ-125-102-1110	GW-GZ-125-112-1110	GW-GZ-125-122-1110	GW-GZ-125-132-1110					
Lab Sample ID:	94623.05	94623.06	94623.07	94623.08					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	11/9/10	11/9/10	11/9/10	11/9/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	11/10/10	11/10/10	11/10/10	11/10/10					
Arsenic	< 0.001	< 0.001	**0.001**	< 0.001	AqTot	mg/L	11/18/10	200.8	DS
Manganese	**0.32**	**0.38**	**0.47**	**0.24**	AqTot	mg/L	11/18/10	200.8	DS

Eastern Analytical, Inc. ID#: 94623

Client: **Provan & Lorber (Co)** Client Designation: **Coakley LF / P0081**

Sample ID:	GW-GZ-125-142-1110	GW-GZ-125-152-1110	GW-GZ-125-162-1110	GW-GZ-125-172-1110					
Lab Sample ID:	94623.09	94623.1	94623.11	94623.12					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	11/9/10	11/9/10	11/9/10	11/9/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	11/10/10	11/10/10	11/10/10	11/10/10					
Arsenic	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	11/18/10	200.8	DS
Manganese	**0.30**	**0.30**	**0.31**	**0.40**	AqTot	mg/L	11/18/10	200.8	DS

Sample ID:	GW-GZ-125-182-1110	GW-BP-4-39-1110	GW-BP-4-49-1110	GW-BP-4-49-Dup-1110					
Lab Sample ID:	94623.13	94623.14	94623.15	94623.16					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	11/9/10	11/10/10	11/10/10	11/10/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	11/10/10	11/10/10	11/10/10	11/10/10					
Arsenic	< 0.001	**0.026**	**0.032**	**0.030**	AqTot	mg/L	11/18/10	200.8	DS
Manganese	**0.32**	**0.82**	**0.84**	**0.82**	AqTot	mg/L	11/18/10	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 94623

Client: **Provan & Lorber (Co)** Client Designation: **Coakley LF / P0081**

Sample ID:	GW-BP-4-59-1110	GW-BP-4-69-1110	GW-BP-4-79-1110	GW-BP-4-89-1110					
Lab Sample ID:	94623.17	94623.18	94623.19	94623.2					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	11/10/10	11/10/10	11/10/10	11/10/10					
Date Received:	11/10/10	11/10/10	11/10/10	11/10/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Arsenic	**0.027**	**0.028**	**0.027**	**0.027**	AqTot	mg/L	11/18/10	200.8	DS
Manganese	**0.83**	**0.82**	**0.82**	**0.82**	AqTot	mg/L	11/18/10	200.8	DS

Sample ID:	GW-BP-4-97-1110	GW-MW-6-30-1110	GW-MW-6-40-1110	GW-MW-6-50-1110					
Lab Sample ID:	94623.21	94623.22	94623.23	94623.24					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	11/10/10	11/10/10	11/10/10	11/10/10					
Date Received:	11/10/10	11/10/10	11/10/10	11/10/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Arsenic	**0.028**	**0.002**	< 0.001	< 0.001	AqTot	mg/L	11/18/10	200.8	DS
Manganese	**0.76**	**0.34**	**0.66**	**0.70**	AqTot	mg/L	11/18/10	200.8	DS

Eastern Analytical, Inc. ID#: 94623

Client: **Provan & Lorber (Co)** Client Designation: **Coakley LF / P0081**

Sample ID:	GW-MW-6-60-1110	GW-MW-6-60 -Dup-1110	GW-MW-6-7 0-1110	GW-MW-6-8 0-1110					
Lab Sample ID:	94623.25	94623.26	94623.27	94623.28					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	11/10/10	11/10/10	11/10/10	11/10/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	11/10/10	11/10/10	11/10/10	11/10/10					
Arsenic	**0.002**	**0.001**	**0.002**	**0.002**	AqTot	mg/L	11/18/10	200.8	DS
Manganese	**0.89**	**0.77**	**0.79**	**0.78**	AqTot	mg/L	11/18/10	200.8	DS

Sample ID:	GW-MW-6-90-111 0	GW-MW-6-1 00-1110	GW-MW-6-1 10-1110	GW-MW-6-1 20-1110					
Lab Sample ID:	94623.29	94623.3	94623.31	94623.32					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	11/10/10	11/10/10	11/10/10	11/10/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	11/10/10	11/10/10	11/10/10	11/10/10					
Arsenic	**0.002**	**0.002**	**0.009**	**0.009**	AqTot	mg/L	11/18/10	200.8	DS
Manganese	**0.80**	**0.80**	**0.75**	**0.89**	AqTot	mg/L	11/18/10	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 94623

Client: **Provan & Lorber (Co)** Client Designation: **Coakley LF / P0081**

Sample ID:	GW-MW-6-130-1110	GW-MW-6-140-1110	GW-MW-6-150-1110	GW-MW-6-160-1110					
Lab Sample ID:	94623.33	94623.34	94623.35	94623.36					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	11/10/10	11/10/10	11/10/10	11/10/10					
Date Received:	11/10/10	11/10/10	11/10/10	11/10/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Arsenic	**0.008**	**0.006**	**0.014**	**0.008**	AqTot	mg/L	11/18/10	200.8	DS
Manganese	**1.1**	**1.3**	**1.4**	**1.5**	AqTot	mg/L	11/18/10	200.8	DS

Sample ID:	GW-BP-4-97-FB-1110	GW-MW-6-90-FB-1110	Equipment Blank					
Lab Sample ID:	94623.37	94623.38	94623.39					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	11/10/10	11/10/10	11/10/10					
Date Received:	11/10/10	11/10/10	11/10/10	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Arsenic	< 0.001	< 0.001	< 0.001	AqTot	mg/L	11/18/10	200.8	DS
Manganese	< 0.005	< 0.005	< 0.005	AqTot	mg/L	11/18/10	200.8	DS

QC REPORT

Eastern Analytical, Inc. ID#: 94623

Client: **Provan & Lorber (Co)** Client Designation: **Coakley LF / P0081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Arsenic	< 0.001	1.1 (107 %R)		mg/L	11/18/10	85 - 115	20	200.8
Manganese	< 0.005	1.1 (107 %R)		mg/L	11/18/10	85 - 115	20	200.8

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Arsenic	94623.15	0.032	0.99 (96 %R)	0.99 (96 %R) (0 RPD)	mg/L	11/18/10	70-130	20	200.8
Manganese	94623.15	0.84	1.7 (87 %R)	1.7 (87 %R) (0 RPD)	mg/L	11/18/10	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.

QC REPORT

Eastern Analytical, Inc. ID#: 94623

Client: **Provan & Lorber (Co)** Client Designation: **Coakley LF / P0081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Arsenic	< 0.001	1.1 (107 %R)		mg/L	11/18/10	85 - 115	20	200.8
Manganese	< 0.005	1.1 (107 %R)		mg/L	11/18/10	85 - 115	20	200.8

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Arsenic	94623.25	0.002	0.96 (96 %R)	0.95 (95 %R) (1 RPD)	mg/L	11/18/10	70-130	20	200.8
Manganese	94623.25	0.89	1.8 (89 %R)	1.8 (91 %R) (2 RPD)	mg/L	11/18/10	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.

Page 1 of 4

CHAIN-OF-CUSTODY RECORD

94623

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: 524.2 524.2 BTEX 524.2 MTBE ONLY; 8260B 624 VTICS 1,4 DIOXANE EDB DBCP; 8021B BTEX HALOS; 8015B GRO MEGRO MAPH	SVOC: 8270C 625 SVTICS ABN A BN PAH; TPH8100 LI 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.; pH T. RES. CHLORINE; COD PHENOLS TOC; TOTAL CYANIDE TOTAL SULFIDE; REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: T. COLIFORM E. COLI; E. COLIFORM ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
GW-GZ-125-62-1110	11-9-10 / 9:00	GW	G				X			1	
GW-GZ-125-72-1110	9:10						X			1	
GW-GZ-125-82-1110	9:25						X			1	
GW-GZ-125-92-1110	9:40						X			1	
GW-GZ-125-102-1110	9:55						X			1	
GW-GZ-125-112-1110	10:15						X			1	
GW-GZ-125-122-1110	10:30						X			1	
GW-GZ-125-132-1110	10:50						X			1	
GW-GZ-125-142-1110	11:15						X			1	
GW-GZ-125-152-1110	11:35						X			1	

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 389

CITY: Contoocook STATE: NH ZIP: 03229

PHONE: 603-746-3220 EXT.:

FAX:

E-MAIL:

SITE NAME: Coakley L.F.

PROJECT #: P 0081

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 Special

REPORTING LEVEL

A B C

OR

MA MCP

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

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Kevin McKibben	11-10-10	1315	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

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

OTHER METALS: As, Mn

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 4

CHAIN-OF-CUSTODY RECORD

FOR LAB USE ONLY 94623

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 / 524.2 BTEX 524.2 MTBE ONLY	8260B 624 VTICS 1,4 DIOXANE EDB DBCP	8021B BTEX HALOS	8015B GRO MEGRO MAVPH	SVOC: 8270C 625 SVTICS ABN A BN PAH	TPH8100 LI 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.	PH T. RES. CHLORINE	COD PHENOLS TOC	TOTAL CYANIDE TOTAL SULFIDE	REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: T. COLIFORM E. COLI E. COLIFORM	ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
GW-GZ-125-162-1110	11-9-10 / 12:00	GW	G												X												1	
GW-GZ-125-172-1110	12:20														X												1	
GW-GZ-125-182-1110	12:45														X												1	
GW-BP-4-39-1110	11-10-10 / 7:40														X												1	
GW-BP-4-49-1110	7:55														X												3	
GW-BP-4-49-DUP-1110	7:55														X												1	
GW-BP-4-59-1110	8:10														X												1	
GW-BP-4-69-1110	8:25														X												1	
GW-BP-4-79-1110	8:40														X												1	
GW-BP-4-89-1110	8:50														X												1	

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 349

CITY: Contoocook STATE: NH ZIP: 03229

PHONE: 603-746-3220 EXT.:

FAX:

E-MAIL:

SITE NAME: Coakley Landfill

PROJECT #: P0081

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 Special

REPORTING LEVEL

A B C

OR

MA MCP

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

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Kevin McKibben	11-10-10	13:35	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

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

OTHER METALS: As, Mn

DISSOLVED METALS FIELD FILTERED? YES NO

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

MS+MSD samples supplied for GW-BP-4-49-1110

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 3 of 4

CHAIN-OF-CUSTODY RECORD

FOR LAB USE ONLY 94623

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	VOC: 8260B 624 1, 4 DIOXANE EDB DBCP	VOC: 8021B BTEX HALOS	VOC: 8015B GRO MEGRO MAVPH	SVOC: 8270C 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 NO3 NO2/NO3	INORGANICS: BOD CBOD T. ALK.	INORGANICS: TKN NH3 T. PHOS.	INORGANICS: PH T. RES. CHLORINE	INORGANICS: COD PHENOLS TOC	INORGANICS: TOTAL CYANIDE TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: T. COLIFORM E. COLI F. COLIFORM	MICRO: ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER	OTHER	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
GW-BP-4-97-1110	11-10-10/ 9:05	GW	G													X														1	
GW-MW-6-30-1110	10:35															X														1	
GW-MW-6-40-1110	10:45															X														1	
GW-MW-6-50-1110	10:55															X														1	
GW-MW-6-60-1110	11:05															X														3	
GW-MW-6-60-DUP-1110	11:05															X														1	
GW-MW-6-70-1110	11:15															X														1	
GW-MW-6-80-1110	11:30															X														1	
GW-MW-6-90-1110	11:45															X														1	
GW-MW-6-100-1110	12:00															X														1	

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 399

CITY: Londonderry STATE: NH ZIP: 03229

PHONE: 603-746-3220 EXT.:

FAX:

E-MAIL:

SITE NAME: Coakley Landfill

PROJECT #: P0089

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 Special Reporting Level A B C OR MA MCP 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

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
[signature]	11-10-10	15:35	[signature]
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

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

OTHER METALS: As, Mn

DISSOLVED METALS FIELD FILTERED? YES NO

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

MS+MSD samples supplied for GW-MW-6-60-1110

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)

Chain-of-Custody Record

For Lab Use Only: 94623

Bold Fields Required. Please Circle Requested Analysis.

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Sample I.D.	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	VOC: 524.2 / 524.2 BTEX 524.2 MTBE only	VOC: 8260B 624 VTICs / 1,4 Dioxane EDB DBCP	VOC: 8021B BTEX HALOS	VOC: 8015B GRO MEGRO MAVPH	SVOC: 8270C 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 SO_4 / NO_2 NO_3 NO_3/NO_2	Inorganics: BOD CBOD T. Alk.	Inorganics: TKN NH_3 T. Phos.	Inorganics: pH T. Res. Chlorine	Inorganics: COD Phenols TOC	Inorganics: Total Cyanide Total Sulfide	Inorganics: Reactive Cyanide Reactive Sulfide / Flashpoint Ignitability	Micro: T. Coliform E. Coli / F. Coliform	Micro: Enterococci / Heterotrophic Plate Count	Other	Other	Other	# of Containers	Notes MeOH Vial #
GW-MW-6-110-1110	11-10-10 / 12:15	GW	G												X														1	
GW-MW-6-120-1110	↓ 12:25	↓	↓												X														1	
GW-MW-6-130-1110	12:40														X														1	
GW-MW-6-140-1110	12:55														X														1	
GW-MW-6-150-1110	13:25														X														1	
GW-MW-6-160-1110	13:40	↓	↓												X														1	
GW-BP-4-97-FB-1110	9:20														X														1	
GW-MW-6-90-FB-1110	11:55														X														1	
Equipment Blank	↓ 9:15														X														1	

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 389

City: Contoocook State: NH Zip: 03229

Phone: 603-746-3220 Ext.:

Fax:

E-Mail:

Site Name: Coakley L.F.

Project #: P 0081

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.

Temp. 5 °C

Ice? (Yes) No

QA/QC Special
Reporting Level
A B C
or
MA MCP
Presumptive Certainty

Reporting Options
Prelims: Yes or No
If Yes: Fax or PDF

Electronic Options
No Fax E-Mail (PDF) Equis

Sampler(s): K. McKibben

Relinquished By:	Date:	Time:	Received By:
Kevin McKibben	11-10-10	15:45	[signature]

Metals: 8 RCRA 13 PP Fe, Mn Pb, Cu

Other Metals: As, Mn

Dissolved Metals Field Filtered? Yes No

Notes: (ie: Special Detection Limits, Billing Info, If Different)

Site History:

Suspected Contamination:

Field Readings:

Metals Analysis
Support Data
94623

Sample/Batch Report

User Name: ICPMS1
Computer Name: ICPMS1
Sample File: C:\elandata\Sample\AQUIRE_November182010.1HCl.sam
Report Date/Time: Monday, November 29, 2010 08:29:24

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
		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		94768.01	1:100	Sample					
25		94768.01	1:10	Sample					
26		flush		Sample					
27		flush		Sample					
28		TCLP BLK	1:100	Sample					
29		TCLP LCS	1:100	Sample					
30		TCLP Ag LCS	1:10	Sample					
31		flush		Sample					
32		flush		Sample					
33		94439.02	1:100	Sample					
34		94769.01	1:100	Sample					
35		94834.01	1:100	Sample					
36		94834.01 MS	1:100	Sample					
37		94834.01 MSI	1:100	Sample					
38		flush		Sample					
39		flush		Sample					
40		flush		Sample					
41		Soil BLK	1:25	Sample					
42		Soil LCS	1:25	Sample					
43		Soil QC	1:50	Sample					
44		Soil Ag LCS	1:10	Sample					
45		flush		Sample					
46		flush		Sample					
47		94766.01	1:25	Sample					
48		94819.01	1:25	Sample					
49		94799.01	1:25	Sample					

50	94799.02	1:25	Sample
51	94799.03	1:25	Sample
52	94799.04	1:25	Sample
53	94811.01	1:25	Sample
54	94811.02	1:25	Sample
55	94811.03	1:25	Sample
56	94811.04	1:25	Sample
57	94811.04 MS	1:25	Sample
58	94811.04 MSI	1:25	Sample
59	flush		Sample
60	flush		Sample
61	flush		Sample
62	94775.01	1:25 Ag rerun	Sample
63	94800.01	1:100 In mets	Sample
64	flush		Sample
65	flush		Sample
66	BLK		Sample
67	filter BLK		Sample
68	Ag LCS		Sample
69	LCS		Sample
70	filter LCS		Sample
71	flush		Sample
72	flush		Sample
73	flush		Sample
74	94623.01		Sample
75	94623.02		Sample
76	94623.03		Sample
77	94623.04		Sample
78	94623.05		Sample
79	94623.05 MS post		Sample
80	94623.05 MSI post		Sample
81	flush		Sample
82	flush		Sample
83	flush		Sample
84	94623.06		Sample
85	94623.07		Sample
86	94623.08		Sample
87	94623.09		Sample
88	94623.10		Sample
89	94623.11		Sample
90	94623.12		Sample
91	94623.13		Sample
92	94623.14		Sample
93	94623.15		Sample
94	94623.15 MS pre		Sample
95	94623.15 MSI pre		Sample
96	flush		Sample
97	flush		Sample
98	flush		Sample
99	94623.16		Sample
100	94623.17		Sample
101	94623.18		Sample
102	94623.19		Sample
103	94623.20		Sample
104	94623.21		Sample
105	94623.22		Sample
106	94623.23		Sample
107	94623.24		Sample
108	94623.25		Sample
109	94623.25 MS pre		Sample

110	94623.25 MS|pre		Sample
111	flush		Sample
112	flush		Sample
113	flush		Sample
114	94623.26		Sample
115	94623.27		Sample
116	94623.28		Sample
117	94623.29		Sample
118	94623.30		Sample
119	94623.31		Sample
120	94623.32		Sample
121	94623.33		Sample
122	94623.34		Sample
123	94623.35		Sample
124	94623.35 MS post		Sample
125	94623.35 MS|post		Sample
126	flush		Sample
127	flush		Sample
128	flush		Sample
129	94623.36		Sample
130	94623.37		Sample
131	94623.38		Sample
132	94623.39		Sample
133	94675.01		Sample
134	94675.02		Sample
135	94675.03		Sample
136	94675.04		Sample
137	94675.05		Sample
138	94675.06		Sample
139	94675.06 MS post		Sample
140	94675.06 MS|post		Sample
141	flush		Sample
142	flush		Sample
143	flush		Sample
144	94675.07	Ag rerun	Sample
145	94675.08		Sample
146	94675.09		Sample
147	94675.10		Sample
148	94675.11		Sample
149	94675.12		Sample
150	94675.15		Sample
151	94675.16		Sample
152	94753.01		Sample
153	94670.01	1:1	Sample
154	94670.01 MS pre		Sample
155	94670.01 MS|pre		Sample
156	flush		Sample
157	flush		Sample
158	flush		Sample
159	94804.01	1:25	Sample
160	94804.02	1:25	Sample

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Thursday, November 18, 2010 08:56:55
Sample Description:
Method File: C:\Elandata\Method\EPA200 DAILY.mth
Dataset File: C:\Elandata\Dataset\daily performance\Sample.009
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

1.35 x 10^-5

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	46221.2	46221.219	305.932	0.7
	Rh	102.9	250158.9	250158.920	1416.619	0.6
	In	114.9	310961.5	310961.505	746.922	0.2
	Pb	208.0	202808.2	202808.180	1229.336	0.6
⌈>	Ba	137.9	257452.6	257452.596	439.007	0.2
⌊	Ba++	69.0	3250.1	0.013	0.000	0.4
⌈>	Ce	139.9	317112.9	317112.887	1533.644	0.5
⌊	CeO	155.9	8311.4	0.026	0.001	2.2
	Bkgd	220.0	3.0	3.000	1.871	62.4

Current Optimization File Data

Current Value	Description
0.99	Nebulizer Gas Flow
8.00	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

38955.3

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	15	6.3	4444.1
Co	59	15	7.0	128543.9
In	115	15	8.3	318972.9

40052.1

Instrument Tuning Report

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	2.976	594	2087	0.619	
Mg	23.985	23.979	5739	2024	0.609	
Rh	102.905	102.928	25068	1900	0.643	
Ce	139.905	139.928	34054	1961	0.649	
Pb	207.977	207.975	50452	2247	0.614	

Eastern Analytical Inc.
Aqueous Digestion Logbook

BatSamNum	Prep Date	Digestion Batch ID	Reagent/Chem Inv.	Temp. °C	Analyst	Notes
Blank	11/12/10	A	39529.3 | 38990.2 | 38256.1	83.5	SHW	
LCS			38258.5 | 39598.1 | 39600.1			
LCS Aq			39603.1			
94623.01						
.02						
.03						
.04						
.05						
.06						
.07						
.08						
.09						
.1						
.11						
.12						
.13						
.14						
.15						
MS			38258.5 | 39598.1 | 39600.1			
msd						
.16						
.17						
.18						
.19						
.2	↓	↓	↓	↓	↓	

SHW 11/12/10

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Eastern Analytical Inc.
Aqueous Digestion Logbook

BatSamNum	Prep Date	Digestion Batch ID	Reagent/Chem Inv.	Temp. °C	Analyst	Notes
Blank	11/12/10	B	39529.3 | 38990.2 | 38256.1	53.5	SW	
LCS			38058.5 | 39598.1 | 39600.1			
LCS Aq			39603.1			
94623.21						
.22						
.23						
.24						
.25						
MS			38258.5 | 39598.1 | 39600.1			
msd						
.26						
.27						
.28						
.29						
.3						
.31						
.32						
.33						
.34						
.35						
.36						
.37						
.38						
.39						
94648.01						

SW 11/12/10

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Calibration Verification (CV) Summary
EAI SDG 94623
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, November 18, 2010 10:19:13
Sample Description: CV_Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	100	54.088945	ug/L	54.53	
Al	100	109.182543	ug/L	110.06	
As	100	104.166876	ug/L	104.69	
Ba	100	101.262444	ug/L	101.87	
Be	100	100.021406	ug/L	100.73	
Ca	100	103.853448	ug/L	104.27	
Cd	100	99.928288	ug/L	100.23	
Co	100	98.918659	ug/L	99.62	
Cr	100	100.531076	ug/L	100.83	
Cu	100	98.2341	ug/L	98.93	
Fe	100	100.201767	ug/L	100.50	
Ge			ug/L		95.21
Hg	1	0.976049	ug/L		
Ho			ug/L		99.59
In			ug/L		100.26
K	1000	993.414779	ug/L	99.34	
Mg	100	105.693832	ug/L	105.48	
Mn	100	104.606169	ug/L	105.45	
Na	100	111.072292	ug/L	111.63	
Ni	100	100.31413	ug/L	101.23	
Pb	100	99.775432	ug/L	99.78	
Sb	100	95.526372	ug/L	96.10	
Sc			ug/L		96.59
Se	100	98.931489	ug/L	99.63	
Tl	100	93.73757	ug/L	94.59	
V	100	99.551551	ug/L	99.95	
Zn	100	95.814316	ug/L	96.20	

Sample ID: QC Std 2
Sample Date/Time: Thursday, November 18, 2010 12:32:46
Sample Description: CV_Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	100	56.152261	ug/L	56.61	
Al	100	112.629586	ug/L	113.54	
As	100	107.462705	ug/L	108.00	
Ba	100	103.095504	ug/L	103.72	
Be	100	111.670755	ug/L	112.46	
Ca	100	106.746415	ug/L	107.18	
Cd	100	102.545067	ug/L	102.85	
Co	100	100.823609	ug/L	101.53	
Cr	100	102.762388	ug/L	103.07	
Cu	100	99.181232	ug/L	99.88	
Fe	100	104.814956	ug/L	105.13	
Ge			ug/L		84.99
Hg	1	1.032926	ug/L		
Ho			ug/L		93.03
In			ug/L		92.93
K	1000	1040.40327	ug/L	104.04	
Mg	100	110.24388	ug/L	110.02	
Mn	100	106.577549	ug/L	107.44	
Na	100	117.957894	ug/L	118.55	
Ni	100	101.630979	ug/L	102.55	
Pb	100	103.594745	ug/L	103.60	
Sb	100	97.910961	ug/L	98.50	
Sc			ug/L		87.65
Se	100	103.872587	ug/L	104.61	
Tl	100	97.780099	ug/L	98.67	
V	100	101.765936	ug/L	102.18	
Zn	100	96.464895	ug/L	96.85	

Sample ID: QC Std 6
Sample Date/Time: Thursday, November 18, 2010 10:40:20
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10049.765	ug/L	100.50	
Ca	1000	9578.45375	ug/L	95.79	
Fe	1000	9625.93667	ug/L	96.26	
Ge			ug/L		92.70
Ho			ug/L		96.66
In			ug/L		94.75
K	1000	10185.9676	ug/L	101.86	
Mg	1000	10116.7366	ug/L	101.17	
Na	1000	10239.4797	ug/L	102.40	
P	1000	9992.71281	ug/L	99.93	
Sc			ug/L		93.28

Sample ID: QC Std 6
Sample Date/Time: Thursday, November 18, 2010 12:46:54
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10342.8323	ug/L	103.43	
Ca	1000	9706.2729	ug/L	97.06	
Fe	1000	9620.78516	ug/L	96.21	
Ge			ug/L		84.13
Ho			ug/L		92.08
In			ug/L		89.97
K	1000	10477.3029	ug/L	104.77	
Mg	1000	10358.8488	ug/L	103.59	
Na	1000	10428.7667	ug/L	104.29	
P	1000	10491.1548	ug/L	104.91	
Sc			ug/L		87.87

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Calibration Verification (CV) Summary
EAI SDG 94623
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, November 18, 2010 14:59:08
Sample Description: CV_Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	100	54.727671	ug/L	55.17	
Al	100	111.390197	ug/L	112.29	
As	100	107.138703	ug/L	107.68	
Ba	100	102.066626	ug/L	102.68	
Be	100	109.151715	ug/L	109.92	
Ca	100	99.373915	ug/L	99.77	
Cd	100	102.93107	ug/L	103.24	
Co	100	100.780791	ug/L	101.49	
Cr	100	102.866512	ug/L	103.18	
Cu	100	98.677652	ug/L	99.37	
Fe	100	102.457583	ug/L	102.77	
Ge			ug/L		81.69
Hg	1	1.00277	ug/L		
Ho			ug/L		87.58
In			ug/L		87.83
K	1000	1045.01125	ug/L	104.50	
Mg	100	111.11707	ug/L	110.90	
Mn	100	106.636618	ug/L	107.50	
Na	100	112.366315	ug/L	112.93	
Ni	100	101.911715	ug/L	102.84	
Pb	100	100.836981	ug/L	100.84	
Sb	100	98.394622	ug/L	98.99	
Sc			ug/L		84.10
Se	100	102.557463	ug/L	103.28	
Tl	100	96.906756	ug/L	97.79	
V	100	101.936363	ug/L	102.35	
Zn	100	95.920378	ug/L	96.31	

Sample ID: QC Std 2
Sample Date/Time: Thursday, November 18, 2010 16:33:01
Sample Description: CV_Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	100	52.743037	ug/L	53.17	
Al	100	111.543005	ug/L	112.44	
As	100	107.785829	ug/L	108.33	
Ba	100	101.959805	ug/L	102.58	
Be	100	108.417145	ug/L	109.18	
Ca	100	97.797876	ug/L	98.19	
Cd	100	102.044512	ug/L	102.35	
Co	100	99.211464	ug/L	99.91	
Cr	100	101.776016	ug/L	102.08	
Cu	100	97.342711	ug/L	98.03	
Fe	100	100.768101	ug/L	101.07	
Ge			ug/L		81.88
Hg	1	1.021828	ug/L		
Ho			ug/L		89.42
In			ug/L		89.23
K	1000	1046.27302	ug/L	104.63	
Mg	100	109.015094	ug/L	108.80	
Mn	100	105.6711	ug/L	106.52	
Na	100	114.14614	ug/L	114.72	
Ni	100	99.940387	ug/L	100.85	
Pb	100	101.914728	ug/L	101.92	
Sb	100	97.331508	ug/L	97.92	
Sc			ug/L		85.60
Se	100	103.14529	ug/L	103.87	
Tl	100	98.26393	ug/L	99.16	
V	100	101.18654	ug/L	101.59	
Zn	100	95.111653	ug/L	95.49	

Sample ID: QC Std 6
Sample Date/Time: Thursday, November 18, 2010 15:13:15
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10680.3045	ug/L	106.80	
Ca	1000	9886.09047	ug/L	98.86	
Fe	1000	10007.2043	ug/L	100.07	
Ge			ug/L		80.49
Ho			ug/L		86.45
In			ug/L		85.32
K	1000	10641.1987	ug/L	106.41	
Mg	1000	10738.4147	ug/L	107.38	
Na	1000	10809.4132	ug/L	108.09	
P	1000	10696.3301	ug/L	106.96	
Sc			ug/L		82.55

Sample ID: QC Std 6
Sample Date/Time: Thursday, November 18, 2010 16:47:09
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10465.9671	ug/L	104.66	
Ca	1000	9836.82315	ug/L	98.37	
Fe	1000	9722.28229	ug/L	97.22	
Ge			ug/L		81.51
Ho			ug/L		87.15
In			ug/L		86.57
K	1000	10579.4222	ug/L	105.79	
Mg	1000	10432.2372	ug/L	104.32	
Na	1000	10639.0124	ug/L	106.39	
P	1000	10493.7644	ug/L	104.94	
Sc			ug/L		85.42

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Calibration Verification (CV) Summary
EAI SDG 94623
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, November 18, 2010 18:06:56
Sample Description: CV_Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	100	54.100971	ug/L	54.54	
Al	100	111.084809	ug/L	111.98	
As	100	104.345195	ug/L	104.87	
Ba	100	100.919901	ug/L	101.53	
Be	100	106.053899	ug/L	106.80	
Ca	100	97.546134	ug/L	97.94	
Cd	100	100.398272	ug/L	100.70	
Co	100	98.735018	ug/L	99.43	
Cr	100	101.188818	ug/L	101.49	
Cu	100	97.689976	ug/L	98.38	
Fe	100	99.250511	ug/L	99.55	
Ge			ug/L		86.15
Hg	1	1.031777	ug/L		
Ho			ug/L		91.07
In			ug/L		92.25
K	1000	1024.75884	ug/L	102.48	
Mg	100	110.58964	ug/L	110.37	
Mn	100	105.238441	ug/L	106.09	
Na	100	112.778275	ug/L	113.35	
Ni	100	100.322534	ug/L	101.23	
Pb	100	100.794883	ug/L	100.80	
Sb	100	96.272637	ug/L	96.85	
Sc			ug/L		88.66
Se	100	99.495704	ug/L	100.20	
Tl	100	96.667256	ug/L	97.55	
V	100	100.212696	ug/L	100.62	
Zn	100	95.177354	ug/L	95.56	

Sample ID: QC Std 2
Sample Date/Time: Thursday, November 18, 2010 19:40:58
Sample Description: CV_Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	100	54.402307	ug/L	54.84	
Al	100	111.552643	ug/L	112.45	
As	100	104.105136	ug/L	104.63	
Ba	100	103.083662	ug/L	103.71	
Be	100	109.159566	ug/L	109.93	
Ca	100	97.997146	ug/L	98.39	
Cd	100	101.845421	ug/L	102.15	
Co	100	98.907509	ug/L	99.61	
Cr	100	100.266315	ug/L	100.57	
Cu	100	97.105398	ug/L	97.79	
Fe	100	100.188669	ug/L	100.49	
Ge			ug/L		86.40
Hg	1	1.009041	ug/L		
Ho			ug/L		92.72
In			ug/L		91.51
K	1000	1021.65932	ug/L	102.17	
Mg	100	110.784677	ug/L	110.56	
Mn	100	104.690132	ug/L	105.53	
Na	100	113.351133	ug/L	113.92	
Ni	100	99.510881	ug/L	100.42	
Pb	100	101.974101	ug/L	101.97	
Sb	100	97.412877	ug/L	98.00	
Sc			ug/L		89.22
Se	100	99.262177	ug/L	99.96	
Tl	100	97.919589	ug/L	98.81	
V	100	99.393157	ug/L	99.79	
Zn	100	94.773654	ug/L	95.15	

Sample ID: QC Std 6
Sample Date/Time: Thursday, November 18, 2010 18:21:03
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10385.0164	ug/L	103.85	
Ca	1000	9721.98028	ug/L	97.22	
Fe	1000	9694.43721	ug/L	96.94	
Ge			ug/L		85.86
Ho			ug/L		89.95
In			ug/L		89.68
K	1000	10458.9712	ug/L	104.59	
Mg	1000	10349.1965	ug/L	103.49	
Na	1000	10531.6657	ug/L	105.32	
P	1000	10295.4846	ug/L	102.96	
Sc			ug/L		87.95

Sample ID: QC Std 6
Sample Date/Time: Thursday, November 18, 2010 19:55:06
Sample Description: CV-Minerals CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10474.0065	ug/L	104.74	
Ca	1000	9666.45403	ug/L	96.67	
Fe	1000	9593.53043	ug/L	95.94	
Ge			ug/L		85.95
Ho			ug/L		89.86
In			ug/L		89.46
K	1000	10307.4135	ug/L	103.07	
Mg	1000	10437.1713	ug/L	104.37	
Na	1000	10528.7881	ug/L	105.29	
P	1000	10234.8864	ug/L	102.35	
Sc			ug/L		88.35

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Calibration Verification (CV) Summary
EAI SDG 94623
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Thursday, November 18, 2010 21:14:38
Sample Description: CV_Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	100	49.808095	ug/L	50.21	
Al	100	112.306377	ug/L	113.21	
As	100	102.73845	ug/L	103.26	
Ba	100	101.444259	ug/L	102.06	
Be	100	102.569858	ug/L	103.29	
Ca	100	95.200396	ug/L	95.58	
Cd	100	99.878008	ug/L	100.18	
Co	100	98.122085	ug/L	98.81	
Cr	100	99.394605	ug/L	99.69	
Cu	100	96.198864	ug/L	96.88	
Fe	100	98.931275	ug/L	99.23	
Ge			ug/L		87.14
Hg	1	0.998378	ug/L		
Ho			ug/L		93.54
In			ug/L		91.25
K	1000	1025.61271	ug/L	102.56	
Mg	100	109.221316	ug/L	109.00	
Mn	100	103.990916	ug/L	104.83	
Na	100	118.348086	ug/L	118.94	
Ni	100	98.03248	ug/L	98.92	
Pb	100	99.873743	ug/L	99.87	
Sb	100	96.425215	ug/L	97.01	
Sc			ug/L		88.43
Se	100	96.94261	ug/L	97.63	
Tl	100	96.433823	ug/L	97.31	
V	100	98.77704	ug/L	99.17	
Zn	100	93.279033	ug/L	93.65	

Sample ID: QC Std 2
Sample Date/Time: Thursday, November 18, 2010 22:48:26
Sample Description: CV_Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	100	53.523661	ug/L	53.96	
Al	100	111.516437	ug/L	112.42	
As	100	102.65701	ug/L	103.17	
Ba	100	102.991356	ug/L	103.61	
Be	100	97.390432	ug/L	98.08	
Ca	100	95.790949	ug/L	96.18	
Cd	100	101.060695	ug/L	101.37	
Co	100	99.433233	ug/L	100.13	
Cr	100	100.082491	ug/L	100.38	
Cu	100	97.072238	ug/L	97.76	
Fe	100	101.403529	ug/L	101.71	
Ge			ug/L		89.37
Hg	1	0.999524	ug/L		
Ho			ug/L		94.01
In			ug/L		91.16
K	1000	1023.90242	ug/L	102.39	
Mg	100	110.331398	ug/L	110.11	
Mn	100	104.650354	ug/L	105.49	
Na	100	118.228045	ug/L	118.82	
Ni	100	99.812201	ug/L	100.72	
Pb	100	98.44504	ug/L	98.45	
Sb	100	97.65739	ug/L	98.25	
Sc			ug/L		89.70
Se	100	96.495186	ug/L	97.18	
Tl	100	94.224133	ug/L	95.08	
V	100	99.896868	ug/L	100.30	
Zn	100	94.241539	ug/L	94.62	

Sample ID: QC Std 6
Sample Date/Time: Thursday, November 18, 2010 21:28:45
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10301.9731	ug/L	103.02	
Ca	1000	9683.73918	ug/L	96.84	
Fe	1000	9531.35605	ug/L	95.31	
Ge			ug/L		87.32
Ho			ug/L		91.58
In			ug/L		88.51
K	1000	10412.6176	ug/L	104.13	
Mg	1000	10465.5811	ug/L	104.66	
Na	1000	10488.5339	ug/L	104.89	
P	1000	10206.4913	ug/L	102.07	
Sc			ug/L		87.97

Sample ID: QC Std 6
Sample Date/Time: Thursday, November 18, 2010 23:02:33
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10391.4212	ug/L	103.91	
Ca	1000	9584.80424	ug/L	95.85	
Fe	1000	9505.70077	ug/L	95.06	
Ge			ug/L		89.17
Ho			ug/L		90.28
In			ug/L		89.89
K	1000	10328.7163	ug/L	103.29	
Mg	1000	10390.6989	ug/L	103.91	
Na	1000	10644.8618	ug/L	106.45	
P	1000	10314.353	ug/L	103.14	
Sc			ug/L		89.26

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Calibration Verification (CV) Summary
EAI SDG 94623
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Friday, November 19, 2010 00:22:22
Sample Description: CV_Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	100	49.801182	ug/L	50.20	
Al	100	113.06397	ug/L	113.98	
As	100	103.002939	ug/L	103.52	
Ba	100	101.437675	ug/L	102.05	
Be	100	96.394009	ug/L	97.07	
Ca	100	96.940547	ug/L	97.33	
Cd	100	97.979073	ug/L	98.27	
Co	100	100.002046	ug/L	100.71	
Cr	100	100.733842	ug/L	101.04	
Cu	100	98.27433	ug/L	98.97	
Fe	100	102.007291	ug/L	102.31	
Ge			ug/L		89.06
Hg	1	1.029782	ug/L		
Ho			ug/L		93.41
In			ug/L		93.18
K	1000	1035.31233	ug/L	103.53	
Mg	100	110.154153	ug/L	109.93	
Mn	100	105.231467	ug/L	106.08	
Na	100	117.010644	ug/L	117.60	
Ni	100	100.663367	ug/L	101.58	
Pb	100	101.346263	ug/L	101.35	
Sb	100	96.107838	ug/L	96.69	
Sc			ug/L		89.01
Se	100	96.892741	ug/L	97.58	
Tl	100	97.938428	ug/L	98.83	
V	100	99.933497	ug/L	100.34	
Zn	100	95.870821	ug/L	96.26	

Sample ID: QC Std 2
Sample Date/Time: Friday, November 19, 2010 01:55:51
Sample Description: CV_Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	100	49.59442	ug/L	49.99	
Al	100	110.149161	ug/L	111.04	
As	100	100.396889	ug/L	100.90	
Ba	100	99.508566	ug/L	100.11	
Be	100	88.268442	ug/L	88.89	
Ca	100	95.276663	ug/L	95.66	
Cd	100	96.955784	ug/L	97.25	
Co	100	99.648208	ug/L	100.35	
Cr	100	100.537267	ug/L	100.84	
Cu	100	97.850389	ug/L	98.54	
Fe	100	105.018827	ug/L	105.34	
Ge			ug/L		90.93
Hg	1	0.954901	ug/L		
Ho			ug/L		90.31
In			ug/L		92.02
K	1000	1027.79139	ug/L	102.78	
Mg	100	108.123054	ug/L	107.91	
Mn	100	105.119955	ug/L	105.97	
Na	100	113.975472	ug/L	114.55	
Ni	100	100.267844	ug/L	101.18	
Pb	100	98.215267	ug/L	98.22	
Sb	100	95.87993	ug/L	96.46	
Sc			ug/L		88.60
Se	100	93.819903	ug/L	94.48	
Tl	100	95.2969	ug/L	96.16	
V	100	100.428433	ug/L	100.83	
Zn	100	92.826205	ug/L	93.20	

Sample ID: QC Std 6
Sample Date/Time: Friday, November 19, 2010 00:36:29
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10340.1142	ug/L	103.40	
Ca	1000	9588.6006	ug/L	95.89	
Fe	1000	9665.94971	ug/L	96.66	
Ge			ug/L		89.84
Ho			ug/L		94.07
In			ug/L		90.26
K	1000	10381.4729	ug/L	103.82	
Mg	1000	10328.3123	ug/L	103.28	
Na	1000	10508.3178	ug/L	105.08	
P	1000	10156.5365	ug/L	101.57	
Sc			ug/L		89.42

Sample ID: QC Std 6
Sample Date/Time: Friday, November 19, 2010 02:09:58
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10170.4946	ug/L	101.71	
Ca	1000	9558.04125	ug/L	95.58	
Fe	1000	9626.87908	ug/L	96.27	
Ge			ug/L		90.89
Ho			ug/L		90.29
In			ug/L		89.58
K	1000	10335.8213	ug/L	103.36	
Mg	1000	10134.2472	ug/L	101.34	
Na	1000	10156.6795	ug/L	101.57	
P	1000	10325.4671	ug/L	103.26	
Sc			ug/L		88.80

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Calibration Verification (CV) Summary
EAI SDG 94623
Total Metals

Sample ID: QC Std 2
Sample Date/Time: Friday, November 19, 2010 03:29:30
Sample Description: CV_Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	100	48.898355	ug/L	49.29	
Al	100	111.755818	ug/L	112.66	
As	100	102.739594	ug/L	103.26	
Ba	100	102.171873	ug/L	102.79	
Be	100	95.246991	ug/L	95.92	
Ca	100	93.199594	ug/L	93.57	
Cd	100	99.768512	ug/L	100.07	
Co	100	99.347989	ug/L	100.05	
Cr	100	100.345017	ug/L	100.65	
Cu	100	97.776598	ug/L	98.47	
Fe	100	101.842444	ug/L	102.15	
Ge			ug/L		90.73
Hg	1	1.003097	ug/L		
Ho			ug/L		92.21
In			ug/L		91.91
K	1000	1022.23333	ug/L	102.22	
Mg	100	109.88146	ug/L	109.66	
Mn	100	104.360488	ug/L	105.20	
Na	100	114.591696	ug/L	115.17	
Ni	100	100.247591	ug/L	101.16	
Pb	100	100.583565	ug/L	100.58	
Sb	100	97.957153	ug/L	98.55	
Sc			ug/L		90.14
Se	100	95.817868	ug/L	96.49	
Tl	100	96.772757	ug/L	97.65	
V	100	99.534927	ug/L	99.94	
Zn	100	95.509463	ug/L	95.89	

Sample ID: QC Std 6
Sample Date/Time: Friday, November 19, 2010 03:43:37
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	1000	10326.6365	ug/L	103.27	
Ca	1000	9681.01883	ug/L	96.81	
Fe	1000	9817.52056	ug/L	98.18	
Ge			ug/L		90.39
Ho			ug/L		91.78
In			ug/L		89.03
K	1000	10354.4215	ug/L	103.54	
Mg	1000	10280.937	ug/L	102.81	
Na	1000	10348.3988	ug/L	103.48	
P	1000	10199.7943	ug/L	102.00	
Sc			ug/L		88.92

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Blank Summary
EAI SDG 94632
Total Metals

Sample ID:	**QC Std 1**	**Sample ID:**	**QC Std 1**
Sample Date/Time:	**Thursday, November 18, 2010 10:12:10**	**Sample Date/Time:**	**Thursday, November 18, 2010 12:25:44**
Sample Description:	**CCB**	**Sample Description:**	**CCB**

Concentration Results			Int Std	Concentration Results			Int Std
Analyte	Conc.	Unit	% R	Analyte	RL	Unit	% R
Ag	< 1	ug/L		Ag	4.3	ug/L	
Al	< 50	ug/L		Al	< 50	ug/L	
As	< 1	ug/L		As	< 1	ug/L	
Ba	< 1	ug/L		Ba	< 1	ug/L	
Be	< 1	ug/L		Be	< 1	ug/L	
Ca	< 50	ug/L		Ca	< 50	ug/L	
Cd	< 1	ug/L		Cd	< 1	ug/L	
Co	< 1	ug/L		Co	< 1	ug/L	
Cr	< 1	ug/L		Cr	< 1	ug/L	
Cu	< 1	ug/L		Cu	< 1	ug/L	
Fe	< 50	ug/L		Fe	< 50	ug/L	
Ge		ug/L	96.58	Ge		ug/L	85.747
Hg	< 0.2	ug/L		Hg	< 0.2	ug/L	
Ho		ug/L	101.348	Ho		ug/L	92.544
In		ug/L	100.738	In		ug/L	92.028
K	< 50	ug/L		K	< 50	ug/L	
Mg	< 50	ug/L		Mg	< 50	ug/L	
Mn	< 5	ug/L		Mn	< 5	ug/L	
Na	< 5000	ug/L		Na	< 5000	ug/L	
Ni	< 1	ug/L		Ni	< 1	ug/L	
Pb	< 1	ug/L		Pb	< 1	ug/L	
Sb	< 1	ug/L		Sb	< 1	ug/L	
Sc		ug/L	96.849	Sc		ug/L	89.387
Se	< 1	ug/L		Se	< 1	ug/L	
Tl	< 1	ug/L		Tl	< 1	ug/L	
V	< 1	ug/L		V	< 1	ug/L	
Zn	< 5	ug/L		Zn	< 5	ug/L	

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Blank Summary
EAI SDG 94632
Total Metals

Sample ID:	QC Std 1			Sample ID:	QC Std 1		
Sample Date/Time:	Thursday, November 18, 2010 14:52:06			Sample Date/Time:	Thursday, November 18, 2010 16:25:59		
Sample Description:	CCB			Sample Description:	CCB		
Concentration Results			Int Std	Concentration Results			Int Std
Analyte	Conc.	Unit	% R	Analyte	Conc.	Unit	% R
Ag	< 1	ug/L		Ag	< 1	ug/L	
Al	< 50	ug/L		Al	< 50	ug/L	
As	< 1	ug/L		As	< 1	ug/L	
Ba	< 1	ug/L		Ba	< 1	ug/L	
Be	< 1	ug/L		Be	< 1	ug/L	
Ca	< 50	ug/L		Ca	< 50	ug/L	
Cd	< 1	ug/L		Cd	< 1	ug/L	
Co	< 1	ug/L		Co	< 1	ug/L	
Cr	< 1	ug/L		Cr	< 1	ug/L	
Cu	< 1	ug/L		Cu	< 1	ug/L	
Fe	< 50	ug/L		Fe	< 50	ug/L	
Ge		ug/L	81.046	Ge		ug/L	81.634
Hg	< 0.2	ug/L		Hg	< 0.2	ug/L	
Ho		ug/L	87.159	Ho		ug/L	87.957
In		ug/L	86.06	In		ug/L	89.358
K	< 50	ug/L		K	< 50	ug/L	
Mg	< 50	ug/L		Mg	< 50	ug/L	
Mn	< 5	ug/L		Mn	< 5	ug/L	
Na	< 5000	ug/L		Na	< 5000	ug/L	
Ni	< 1	ug/L		Ni	< 1	ug/L	
Pb	< 1	ug/L		Pb	< 1	ug/L	
Sb	< 1	ug/L		Sb	< 1	ug/L	
Sc		ug/L	83.129	Sc		ug/L	85.416
Se	< 1	ug/L		Se	< 1	ug/L	
Tl	< 1	ug/L		Tl	< 1	ug/L	
V	< 1	ug/L		V	< 1	ug/L	
Zn	< 5	ug/L		Zn	< 5	ug/L	

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Blank Summary
EAI SDG 94632
Total Metals

Sample ID:	**QC Std 1**			**Sample ID:**	**QC Std 1**		
Sample Date/Time:	**Thursday, November 18, 2010 17:59:54**			**Sample Date/Time:**	**Thursday, November 18, 2010 19:33:56**		
Sample Description:	**CCB**			**Sample Description:**	**CCB**		
Concentration Results			Int Std	Concentration Results			Int Std
Analyte	Conc.	Unit	% R	Analyte	Conc.	Unit	% R
Ag	< 1	ug/L		Ag	< 1	ug/L	
Al	< 50	ug/L		Al	< 50	ug/L	
As	< 1	ug/L		As	< 1	ug/L	
Ba	< 1	ug/L		Ba	< 1	ug/L	
Be	< 1	ug/L		Be	< 1	ug/L	
Ca	< 50	ug/L		Ca	< 50	ug/L	
Cd	< 1	ug/L		Cd	< 1	ug/L	
Co	< 1	ug/L		Co	< 1	ug/L	
Cr	< 1	ug/L		Cr	< 1	ug/L	
Cu	< 1	ug/L		Cu	< 1	ug/L	
Fe	< 50	ug/L		Fe	< 50	ug/L	
Ge		ug/L	85.965	Ge		ug/L	87.413
Hg	< 0.2	ug/L		Hg	< 0.2	ug/L	
Ho		ug/L	89.519	Ho		ug/L	93.053
In		ug/L	91.877	In		ug/L	92.34
K	< 50	ug/L		K	< 50	ug/L	
Mg	< 50	ug/L		Mg	< 50	ug/L	
Mn	< 5	ug/L		Mn	< 5	ug/L	
Na	< 5000	ug/L		Na	< 5000	ug/L	
Ni	< 1	ug/L		Ni	< 1	ug/L	
Pb	< 1	ug/L		Pb	< 1	ug/L	
Sb	< 1	ug/L		Sb	< 1	ug/L	
Sc		ug/L	88	Sc		ug/L	88.84
Se	< 1	ug/L		Se	< 1	ug/L	
Tl	< 1	ug/L		Tl	< 1	ug/L	
V	< 1	ug/L		V	< 1	ug/L	
Zn	< 5	ug/L		Zn	< 5	ug/L	

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Blank Summary
EAI SDG 94632
Total Metals

Sample ID:	QC Std 1			Sample ID:	QC Std 1		
Sample Date/Time:	Thursday, November 18, 2010 21:07:36			Sample Date/Time:	Thursday, November 18, 2010 22:41:24		
Sample Description:	CCB			Sample Description:	CCB		
Concentration Results			Int Std	Concentration Results			Int Std
Analyte	Conc.	Unit	% R	Analyte	Conc.	Unit	% R
Ag	< 1	ug/L		Ag	< 1	ug/L	
Al	< 50	ug/L		Al	< 50	ug/L	
As	< 1	ug/L		As	< 1	ug/L	
Ba	< 1	ug/L		Ba	< 1	ug/L	
Be	< 1	ug/L		Be	< 1	ug/L	
Ca	< 50	ug/L		Ca	< 50	ug/L	
Cd	< 1	ug/L		Cd	< 1	ug/L	
Co	< 1	ug/L		Co	< 1	ug/L	
Cr	< 1	ug/L		Cr	< 1	ug/L	
Cu	< 1	ug/L		Cu	< 1	ug/L	
Fe	< 50	ug/L		Fe	< 50	ug/L	
Ge		ug/L	85.661	Ge		ug/L	88.826
Hg	< 0.2	ug/L		Hg	< 0.2	ug/L	
Ho		ug/L	90.37	Ho		ug/L	92.064
In		ug/L	90.192	In		ug/L	91.06
K	< 50	ug/L		K	< 50	ug/L	
Mg	< 50	ug/L		Mg	< 50	ug/L	
Mn	< 5	ug/L		Mn	< 5	ug/L	
Na	< 5000	ug/L		Na	< 5000	ug/L	
Ni	< 1	ug/L		Ni	< 1	ug/L	
Pb	< 1	ug/L		Pb	< 1	ug/L	
Sb	< 1	ug/L		Sb	< 1	ug/L	
Sc		ug/L	86.92	Sc		ug/L	88.032
Se	< 1	ug/L		Se	< 1	ug/L	
Tl	< 1	ug/L		Tl	< 1	ug/L	
V	< 1	ug/L		V	< 1	ug/L	
Zn	< 5	ug/L		Zn	< 5	ug/L	

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Blank Summary
EAI SDG 94632
Total Metals

Sample ID:	**QC Std 1**	**Sample ID:**	**QC Std 1**
Sample Date/Time:	**Friday, November 19, 2010 00:15:20**	**Sample Date/Time:**	**Friday, November 19, 2010 01:48:49**
Sample Description:	**CCB**	**Sample Description:**	**CCB**

Concentration Results			Int Std	Concentration Results			Int Std
Analyte	Conc.	Unit	% R	Analyte	Conc.	Unit	% R
Ag	< 1	ug/L		Ag	4.4	ug/L	
Al	< 50	ug/L		Al	< 50	ug/L	
As	< 1	ug/L		As	< 1	ug/L	
Ba	< 1	ug/L		Ba	< 1	ug/L	
Be	< 1	ug/L		Be	< 1	ug/L	
Ca	< 50	ug/L		Ca	< 50	ug/L	
Cd	< 1	ug/L		Cd	< 1	ug/L	
Co	< 1	ug/L		Co	< 1	ug/L	
Cr	< 1	ug/L		Cr	< 1	ug/L	
Cu	< 1	ug/L		Cu	< 1	ug/L	
Fe	< 50	ug/L		Fe	< 50	ug/L	
Ge		ug/L	88.731	Ge		ug/L	89.608
Hg	< 0.2	ug/L		Hg	< 0.2	ug/L	
Ho		ug/L	93.307	Ho		ug/L	91.291
In		ug/L	91.832	In		ug/L	90.501
K	< 50	ug/L		K	< 50	ug/L	
Mg	< 50	ug/L		Mg	< 50	ug/L	
Mn	< 5	ug/L		Mn	< 5	ug/L	
Na	< 5000	ug/L		Na	< 5000	ug/L	
Ni	< 1	ug/L		Ni	< 1	ug/L	
Pb	< 1	ug/L		Pb	< 1	ug/L	
Sb	< 1	ug/L		Sb	1.4	ug/L	
Sc		ug/L	88.685	Sc		ug/L	86.989
Se	< 1	ug/L		Se	< 1	ug/L	
Tl	< 1	ug/L		Tl	< 1	ug/L	
V	< 1	ug/L		V	< 1	ug/L	
Zn	< 5	ug/L		Zn	< 5	ug/L	

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Blank Summary
EAI SDG 94632
Total Metals

Sample ID: QC Std 1
Sample Date/Time: Friday, November 19, 2010 03:22:28
Sample Description: CCB

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	90.528
Hg	< 0.2	ug/L	
Ho		ug/L	93.807
In		ug/L	91.833
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	89.266
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

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ICSA/ICSAB
EAI SDG 94623

Sample ID: ICSA
Sample Date Thursday, November 18, 2010 11:00:46
Sample Description:

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	< 1	0.12056	ug/L		
Al	50000	49750.0233	ug/L	100	
As	< 1	0.147177	ug/L		
Ba	< 1	0.263576	ug/L		
Be	< 1	0.10084	ug/L		
Ca	50000	46439.4693	ug/L	93	
Cd	< 1	0.202446	ug/L		
Co	< 1	0.175739	ug/L		
Cr	< 1	0.369428	ug/L		
Cu	1.06	1.068227	ug/L		
Fe	50000	45712.0834	ug/L	91	
Ge			ug/L		91.38
Hg	< 0.1	0.019357	ug/L		
Ho			ug/L		89.42
In			ug/L		87.07
K	50000	50148.1034	ug/L	100	
Mg	50000	48396.445	ug/L	97	
Mn	< 5	-0.904075	ug/L		
Na	50000	50092.7158	ug/L	100	
Ni	1.86	1.862816	ug/L		
P	50000	49693.0888	ug/L	99	
Pb	< 1	0.151427	ug/L		
Sb	< 1	0.863692	ug/L		
Sc			ug/L		89.01
Se	< 1	0.293364	ug/L		
Tl	< 1	0.077862	ug/L		
V	1.59	1.593382	ug/L		
Zn	< 5	1.212632	ug/L		

Sample ID: ICSAB
Sample Date Thursday, November 18, 2010 11:07:20
Sample Description:

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	10	4.399891	ug/L	44	
Al	50000	50936.9831	ug/L	102	
As	10	9.355138	ug/L	94	
Ba	10	10.2643	ug/L	103	
Be	10	10.829402	ug/L	108	
Ca	50000	47028.0572	ug/L	94	
Cd	10	9.911934	ug/L	99	
Co	10	9.485338	ug/L	95	
Cr	10	10.143982	ug/L	101	
Cu	10	9.742938	ug/L	97	
Fe	50000	47043.7606	ug/L	94	
Ge			ug/L		89.89
Hg	1	1.029468	ug/L	103	
Ho			ug/L		87.60
In			ug/L		86.17
K	50000	50841.143	ug/L	102	
Mg	50000	48882.3553	ug/L	98	
Mn	10	9.178459	ug/L	92	
Na	50000	50807.8484	ug/L	102	
Ni	10	10.98419	ug/L	110	
P	50000	51838.8802	ug/L	104	
Pb	10	9.522315	ug/L	95	
Sb	10	11.087474	ug/L	111	
Sc			ug/L		86.98
Se	10	9.169282	ug/L	92	
Tl	10	9.332053	ug/L	93	
V	10	11.658217	ug/L	117	
Zn	10	10.402952	ug/L	104	

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Internal Standard Summary
EAI SDG 94623

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 1	Thursday, November 18, 2010 10:12:10	97	97	101	101
QC Std 2	Thursday, November 18, 2010 10:19:13	97	95	100	100
QC Std 3	Thursday, November 18, 2010 10:26:14	99	95	99	100
QC Std 5	Thursday, November 18, 2010 10:33:16	95	94	98	98
QC Std 6	Thursday, November 18, 2010 10:40:20	93	93	95	97
LLCS	Thursday, November 18, 2010 10:54:14	92	92	98	97
ICSA	Thursday, November 18, 2010 11:00:46	89	91	87	89
ICSAB	Thursday, November 18, 2010 11:07:20	87	90	86	88
5ppm LRC-flush	Thursday, November 18, 2010 11:13:53	91	90	94	94
TCLP BLK	Thursday, November 18, 2010 11:20:25	91	90	95	95
TCLP LCS	Thursday, November 18, 2010 11:26:54	92	90	96	95
94439.02	Thursday, November 18, 2010 11:39:55	91	89	95	93
94769.01	Thursday, November 18, 2010 11:46:27	91	89	94	94
94834.01	Thursday, November 18, 2010 11:52:59	91	88	95	95
94834.01 MS	Thursday, November 18, 2010 11:59:31	87	85	90	92
94834.01 MSD	Thursday, November 18, 2010 12:06:04	86	82	89	90
QC Std 1	Thursday, November 18, 2010 12:25:44	89	86	92	93
QC Std 2	Thursday, November 18, 2010 12:32:46	88	85	93	93
QC Std 5	Thursday, November 18, 2010 12:39:50	89	85	93	92
QC Std 6	Thursday, November 18, 2010 12:46:54	88	84	90	92
Soil BLK	Thursday, November 18, 2010 13:00:23	87	83	92	92
Soil BLK	Thursday, November 18, 2010 13:13:27	86	84	92	93
Soil LCS	Thursday, November 18, 2010 13:19:55	86	85	93	92
Soil QC	Thursday, November 18, 2010 13:26:23	92	83	92	92
Soil Ag LCS	Thursday, November 18, 2010 13:32:51	85	83	90	92
94766.01	Thursday, November 18, 2010 13:46:53	109	83	89	92
94819.01	Thursday, November 18, 2010 13:53:24	108	87	89	91
94799.01	Thursday, November 18, 2010 13:59:54	101	82	87	92
94799.02	Thursday, November 18, 2010 14:06:27	96	81	88	91
94799.03	Thursday, November 18, 2010 14:12:58	95	79	98	89
94799.04	Thursday, November 18, 2010 14:19:31	101	79	86	89
94811.01	Thursday, November 18, 2010 14:26:03	102	81	84	89
94811.02	Thursday, November 18, 2010 14:32:36	92	80	86	87
94811.03	Thursday, November 18, 2010 14:39:06	101	81	85	88
94811.04	Thursday, November 18, 2010 14:45:37	92	80	85	86
QC Std 1	Thursday, November 18, 2010 14:52:06	83	81	86	87
QC Std 2	Thursday, November 18, 2010 14:59:08	84	82	88	88
QC Std 5	Thursday, November 18, 2010 15:06:11	86	82	88	88
QC Std 6	Thursday, November 18, 2010 15:13:15	83	80	85	86
94811.04 MS	Thursday, November 18, 2010 15:20:21	90	78	81	82
94811.04 MSD	Thursday, November 18, 2010 15:26:53	89	77	81	84
94775.01	Thursday, November 18, 2010 15:53:07	91	80	86	87
94800.01	Thursday, November 18, 2010 15:59:41	85	78	238	90
BLK	Thursday, November 18, 2010 16:19:28	83	81	87	89

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Internal Standard Summary
EAI SDG 94623

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 1	Thursday, November 18, 2010 16:25:59	85	82	89	88
QC Std 2	Thursday, November 18, 2010 16:33:01	86	82	89	89
QC Std 5	Thursday, November 18, 2010 16:40:05	85	82	90	88
QC Std 6	Thursday, November 18, 2010 16:47:09	85	82	87	87
filter BLK	Thursday, November 18, 2010 16:54:17	85	82	89	89
Ag LCS	Thursday, November 18, 2010 17:00:54	86	84	90	90
LCS	Thursday, November 18, 2010 17:07:32	81	79	84	85
filter LCS	Thursday, November 18, 2010 17:14:10	82	78	82	85
94623.01	Thursday, November 18, 2010 17:40:19	98	90	85	85
94623.02	Thursday, November 18, 2010 17:46:51	102	89	86	86
94623.03	Thursday, November 18, 2010 17:53:24	103	91	86	86
QC Std 1	Thursday, November 18, 2010 17:59:54	88	86	92	90
QC Std 2	Thursday, November 18, 2010 18:06:56	89	86	92	91
QC Std 5	Thursday, November 18, 2010 18:13:59	88	85	92	92
QC Std 6	Thursday, November 18, 2010 18:21:03	88	86	90	90
94623.04	Thursday, November 18, 2010 18:28:10	105	92	88	88
94623.05	Thursday, November 18, 2010 18:34:43	101	89	88	88
94623.05 MS	Thursday, November 18, 2010 18:41:18	97	87	85	85
94623.05 MSD	Thursday, November 18, 2010 18:47:53	95	86	84	84
94623.06	Thursday, November 18, 2010 19:14:17	100	86	86	88
94623.07	Thursday, November 18, 2010 19:20:54	102	88	88	88
94623.08	Thursday, November 18, 2010 19:27:28	100	85	87	89
QC Std 1	Thursday, November 18, 2010 19:33:56	89	87	92	93
QC Std 2	Thursday, November 18, 2010 19:40:58	89	86	92	93
QC Std 5	Thursday, November 18, 2010 19:48:01	88	87	93	93
QC Std 6	Thursday, November 18, 2010 19:55:06	88	86	89	90
94623.09	Thursday, November 18, 2010 20:02:11	101	87	88	89
94623.1	Thursday, November 18, 2010 20:08:42	100	86	88	90
94623.11	Thursday, November 18, 2010 20:15:13	100	85	88	89
94623.12	Thursday, November 18, 2010 20:21:45	102	87	89	91
94623.13	Thursday, November 18, 2010 20:28:17	101	86	88	91
94623.14	Thursday, November 18, 2010 20:34:50	103	85	83	84
94623.15	Thursday, November 18, 2010 20:41:23	102	84	82	85
94623.15 MS	Thursday, November 18, 2010 20:47:57	99	84	80	82
94623.15 MSD	Thursday, November 18, 2010 20:54:31	97	82	79	79
QC Std 1	Thursday, November 18, 2010 21:07:36	87	86	90	90
QC Std 2	Thursday, November 18, 2010 21:14:38	88	87	91	94
QC Std 5	Thursday, November 18, 2010 21:21:41	88	87	93	93
QC Std 6	Thursday, November 18, 2010 21:28:45	88	87	89	92
94623.16	Thursday, November 18, 2010 21:49:05	105	86	84	86
94623.17	Thursday, November 18, 2010 21:55:41	104	87	84	86
94623.18	Thursday, November 18, 2010 22:02:18	104	86	83	86
94623.19	Thursday, November 18, 2010 22:08:52	102	85	82	85
94623.2	Thursday, November 18, 2010 22:15:22	103	86	83	85

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Internal Standard Summary
EAI SDG 94623

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
94623.21	Thursday, November 18, 2010 22:21:53	103	86	82	85
94623.22	Thursday, November 18, 2010 22:28:24	97	89	87	87
94623.23	Thursday, November 18, 2010 22:34:55	96	88	88	89
QC Std 1	Thursday, November 18, 2010 22:41:24	88	89	91	92
QC Std 2	Thursday, November 18, 2010 22:48:26	90	89	91	94
QC Std 5	Thursday, November 18, 2010 22:55:29	90	89	91	93
QC Std 6	Thursday, November 18, 2010 23:02:33	89	89	90	90
94623.24	Thursday, November 18, 2010 23:09:40	98	93	90	89
94623.25	Thursday, November 18, 2010 23:16:12	100	100	88	88
94623.25 MS	Thursday, November 18, 2010 23:22:45	94	90	85	87
94623.25 MSD	Thursday, November 18, 2010 23:29:18	92	89	84	85
94623.26	Thursday, November 18, 2010 23:55:36	98	92	88	90
94623.27	Friday, November 19, 2010 00:02:12	99	93	87	89
94623.28	Friday, November 19, 2010 00:08:48	99	91	87	91
QC Std 1	Friday, November 19, 2010 00:15:20	89	89	92	93
QC Std 2	Friday, November 19, 2010 00:22:22	89	89	93	93
QC Std 5	Friday, November 19, 2010 00:29:25	89	89	93	95
QC Std 6	Friday, November 19, 2010 00:36:29	89	90	90	94
94623.29	Friday, November 19, 2010 00:43:34	101	92	88	91
94623.3	Friday, November 19, 2010 00:50:04	100	92	89	91
94623.31	Friday, November 19, 2010 00:56:34	111	110	86	86
94623.32	Friday, November 19, 2010 01:03:04	104	98	87	88
94623.33	Friday, November 19, 2010 01:09:35	104	100	86	88
94623.34	Friday, November 19, 2010 01:16:07	102	98	86	88
94623.35	Friday, November 19, 2010 01:22:39	111	113	84	84
94623.35 MS	Friday, November 19, 2010 01:29:12	105	110	81	79
94623.35 MSD	Friday, November 19, 2010 01:35:45	105	108	80	79
QC Std 1	Friday, November 19, 2010 01:48:49	87	90	91	91
QC Std 2	Friday, November 19, 2010 01:55:51	89	91	92	90
QC Std 5	Friday, November 19, 2010 02:02:54	90	91	92	91
QC Std 6	Friday, November 19, 2010 02:09:58	89	91	90	90
94623.36	Friday, November 19, 2010 02:30:15	103	99	86	86
94623.37	Friday, November 19, 2010 02:36:50	86	89	90	90
94623.38	Friday, November 19, 2010 02:43:26	86	89	91	90
94623.39	Friday, November 19, 2010 02:49:59	88	90	92	90
94675.01	Friday, November 19, 2010 02:56:28	95	90	88	89
94675.02	Friday, November 19, 2010 03:02:58	97	87	86	87
94675.03	Friday, November 19, 2010 03:09:29	102	89	88	88
94675.04	Friday, November 19, 2010 03:15:59	100	89	88	89
QC Std 1	Friday, November 19, 2010 03:22:28	89	91	92	94
QC Std 2	Friday, November 19, 2010 03:29:30	90	91	92	92
QC Std 5	Friday, November 19, 2010 03:36:33	91	91	93	93
QC Std 6	Friday, November 19, 2010 03:43:37	89	90	89	92

Linear Range Check
EAI SDGs: 94623
Dissolved Iron and Manganese

Sample ID: 5ppm LRC
Sample Date/Time: Monday, August 23, 2010 13:42:46
Sample Description: Linear Range Check

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc. Mean	Unit	% R	% R
Ag	5000	4837.34742	ug/L	96.75	
Al	5000	5090.11602	ug/L	101.80	
As	5000	4596.65508	ug/L	91.93	
Ba	5000	4876.49724	ug/L	97.53	
Be	5000	5084.73526	ug/L	101.69	
Ca	5000	5140.43029	ug/L	102.81	
Cd	5000	4711.89927	ug/L	94.24	
Co	5000	4688.81101	ug/L	93.78	
Cr	5000	4673.77157	ug/L	93.48	
Cu	5000	4378.99755	ug/L	87.58	
Fe	5000	4889.1397	ug/L	97.78	
Ge			ug/L		84.276
Hg	NA	0.15631	ug/L		
Ho			ug/L		92.551
In			ug/L		87.17
K	5000	5063.25646	ug/L	101.27	
Mg	5000	5072.57566	ug/L	101.45	
Mn	5000	4777.49352	ug/L	95.55	
Na	5000	5101.34089	ug/L	102.03	
Ni	5000	4500.31188	ug/L	90.01	
P	NA	5.791246	ug/L		
Pb	5000	4834.13109	ug/L	96.68	
Sb	5000	4695.12872	ug/L	93.90	
Sc			ug/L		82.536
Se	5000	4709.56582	ug/L	94.19	
Tl	5000	4920.50137	ug/L	98.41	
V	5000	4761.85677	ug/L	95.24	
Zn	5000	4433.91103	ug/L	88.68	

Metals Analysis
Raw Sample Data
94623

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

Sample ID: 94623.01
Sample Date/Time: Thursday, November 18, 2010 17:40:19
Autosampler Position: 74
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.01.54648

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11618.088	ug/L	
Be	9	0.170836	70.334	ug/L	0.003
B	10	26.243383	3231.940	ug/L	0.536
B	11	25.637241	16915.225	ug/L	0.135
C	12		939044.764	ug/L	
Na	23	18069.053316	137591112.053	ug/L	212.837
Mg	24	8288.354249	43061059.588	ug/L	141.902
Mg	25	8189.791424	6044617.707	ug/L	122.034
Al	27	8.415465	72143.240	ug/L	0.686
Si	28		34085072.865	ug/L	
P	31	31.418317	24308.255	ug/L	2.377
S	32		73323564.769	ug/L	
Cl	35		10026636.112	ug/L	
K	39	2515.711533	28255844.304	ug/L	62.197
Ca	44	13680.218653	5361321.838	ug/L	62.881
Sc	45		223559.498	ug/L	
Ti	47	1.691104	1792.861	ug/L	0.049
Ti	48	11.946149	121610.670	ug/L	0.317
V	51	0.048556	21355.269	ug/L	0.011
ClO	51		21991.124	ug/L	
Cr	52	0.870228	18065.477	ug/L	0.002
Cr	53	1.060413	8304.208	ug/L	0.030
Fe	54	68776.457328	51474285.028	ug/L	521.923
Mn	55	513.675406	7699408.692	ug/L	5.811
Fe	56	69544.740117	866405493.951	ug/L	1198.441
Fe	57	64648.370667	20614254.286	ug/L	754.354
Co	59	0.243495	3560.733	ug/L	0.001
Ni	60	1.911950	4890.030	ug/L	0.014
Ni	62	1.472540	603.026	ug/L	0.004
Cu	63	14.164274	81589.318	ug/L	0.047
Zn	64	24.021061	65830.049	ug/L	0.033
Cu	65	13.929437	39147.505	ug/L	0.085
Zn	66	24.274781	38908.812	ug/L	0.079
Zn	68	24.975133	27834.491	ug/L	0.095
Ge	72		154086.978	ug/L	
As	75	0.561626	868.858	ug/L	0.015
ArCl	77		581.358	ug/L	
Se	78	-4.674125	9723.192	ug/L	0.138
Br	79		23273.706	ug/L	

Br	81		44668.618	ug/L	
Se	82	0.276404	40.065	ug/L	0.033
Y	89		343742.150	ug/L	
Mo	95	0.157043	1362.782	ug/L	0.001
Rh	103		310129.315	ug/L	
Ag	107	0.061486	956.393	ug/L	0.008
Ag	109	0.062934	898.053	ug/L	0.006
Cd	111	0.173802	480.351	ug/L	0.002
Cd	114	0.197154	1222.761	ug/L	0.008
In	115		364672.727	ug/L	
Sb	121	0.650063	4440.796	ug/L	0.005
Sb	123	0.633427	3319.713	ug/L	0.017
Ba	137	6.753221	21996.466	ug/L	0.103
Ba	138	6.815604	142351.083	ug/L	0.100
Tb	159		426965.289	ug/L	
Ho	165		413440.421	ug/L	
Hg	200	0.003985	13.667	ug/L	0.001
Hg	202	0.002839	17.334	ug/L	0.002
Tl	205	0.004525	649.696	ug/L	0.002
Pb	208	1.310166	42167.690	ug/L	0.024
Bi	209		363288.260	ug/L	
Se	77	0.244784	589.692	ug/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		98.201
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	90.293
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	84.508
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	84.653
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.02
Sample Date/Time: Thursday, November 18, 2010 17:46:51
Autosampler Position: 75
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.02.54649

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11022.679	ug/L	
Be	9	0.465957	191.337	ug/L	0.041
B	10	27.603169	3518.716	ug/L	0.651
B	11	27.649315	18838.361	ug/L	0.901
C	12		878991.728	ug/L	
Na	23	17783.166542	140869146.137	ug/L	447.635
Mg	24	8293.759847	44821644.215	ug/L	64.117
Mg	25	8277.355309	6354808.524	ug/L	197.340
Al	27	12.743185	110518.764	ug/L	0.129
Si	28		40829230.139	ug/L	
P	31	255.060820	126354.620	ug/L	2.968
S	32		77602234.008	ug/L	
Cl	35		10406678.447	ug/L	
K	39	2517.555416	29411812.758	ug/L	51.544
Ca	44	13313.003817	5427643.175	ug/L	290.922
Sc	45		232562.464	ug/L	
Ti	47	2.583997	2763.781	ug/L	0.026
Ti	48	12.130938	128487.573	ug/L	0.331
V	51	0.071310	22518.081	ug/L	0.027
ClO	51		23063.787	ug/L	
Cr	52	0.263836	12076.765	ug/L	0.004
Cr	53	0.297216	7653.964	ug/L	0.028
Fe	54	55091.876206	42906118.124	ug/L	16.714
Mn	55	667.785949	10404211.576	ug/L	2.927
Fe	56	55964.009794	725838650.072	ug/L	88.931
Fe	57	52242.575687	17330886.065	ug/L	88.267
Co	59	0.961308	12564.803	ug/L	0.008
Ni	60	1.132253	3055.211	ug/L	0.006
Ni	62	0.722196	333.676	ug/L	0.030
Cu	63	10.149906	60872.059	ug/L	0.018
Zn	64	11.548629	33306.407	ug/L	0.003
Cu	65	9.818211	28725.265	ug/L	0.082
Zn	66	11.337750	19138.315	ug/L	0.078
Zn	68	11.727857	13782.912	ug/L	0.162
Ge	72		152351.331	ug/L	
As	75	1.065442	1622.746	ug/L	0.100
ArCl	77		631.695	ug/L	
Se	78	-3.583529	9996.827	ug/L	0.332
Br	79		21823.754	ug/L	

Br	81		42843.535	ug/L	
Se	82	0.600717	90.925	ug/L	0.088
Y	89		352972.101	ug/L	
Mo	95	0.153086	1315.442	ug/L	0.008
Rh	103		313593.678	ug/L	
Ag	107	0.076733	1105.078	ug/L	0.009
Ag	109	0.080010	1054.738	ug/L	0.007
Cd	111	0.056501	242.006	ug/L	0.001
Cd	114	0.059017	566.690	ug/L	0.001
In	115		370636.489	ug/L	
Sb	121	0.591859	4126.311	ug/L	0.010
Sb	123	0.583122	3117.845	ug/L	0.010
Ba	137	7.654287	25337.179	ug/L	0.007
Ba	138	7.722079	163913.508	ug/L	0.019
Tb	159		425031.587	ug/L	
Ho	165		419660.662	ug/L	
Hg	200	0.002667	11.667	ug/L	0.001
Hg	202	0.000708	13.000	ug/L	0.001
Tl	205	0.009966	779.708	ug/L	0.001
Pb	208	0.116384	5980.827	ug/L	0.002
Bi	209		366833.480	ug/L	
Se	77	0.604763	631.362	ug/L	0.057

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		102.156
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

89.276

85.890

85.926

Sample ID: 94623.03
Sample Date/Time: Thursday, November 18, 2010 17:53:24
Autosampler Position: 76
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.03.54650

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10798.411	ug/L	
Be	9	0.405891	168.337	ug/L	0.055
B	10	28.799707	3680.115	ug/L	0.031
B	11	28.482331	19478.039	ug/L	0.080
C	12		855044.986	ug/L	
Na	23	17750.845963	141523910.813	ug/L	76.032
Mg	24	8357.491378	45457348.267	ug/L	81.144
Mg	25	8331.179075	6437521.277	ug/L	24.370
Al	27	14.852717	128639.939	ug/L	0.183
Si	28		44200094.488	ug/L	
P	31	151.976255	80281.109	ug/L	6.110
S	32		77970480.131	ug/L	
Cl	35		10550659.243	ug/L	
K	39	2480.006170	29173819.253	ug/L	2.095
Ca	44	13383.185568	5491464.963	ug/L	137.276
Sc	45		234061.536	ug/L	
Ti	47	2.545016	2742.108	ug/L	0.039
Ti	48	12.528114	133567.289	ug/L	0.742
V	51	0.092525	22948.830	ug/L	0.031
ClO	51		23507.937	ug/L	
Cr	52	0.310530	12675.149	ug/L	0.002
Cr	53	0.403885	7841.792	ug/L	0.050
Fe	54	63458.471857	49729771.964	ug/L	165.508
Mn	55	654.721748	10267015.486	ug/L	3.593
Fe	56	64064.576078	835823781.372	ug/L	656.292
Fe	57	60115.671304	20069507.345	ug/L	77.922
Co	59	0.771979	10293.594	ug/L	0.003
Ni	60	1.292866	3496.041	ug/L	0.037
Ni	62	0.857209	389.012	ug/L	0.009
Cu	63	9.453364	57072.827	ug/L	0.011
Zn	64	14.006713	40497.838	ug/L	0.110
Cu	65	9.148640	26944.139	ug/L	0.022
Zn	66	13.903959	23521.627	ug/L	0.122
Zn	68	14.237836	16765.279	ug/L	0.008
Ge	72		155951.609	ug/L	
As	75	1.112531	1734.390	ug/L	0.010
ArCl	77		633.362	ug/L	
Se	78	-3.663510	10204.138	ug/L	0.036
Br	79		24958.199	ug/L	

Br	81		46671.696	ug/L	
Se	82	0.533620	82.186	ug/L	0.006
Y	89		352757.902	ug/L	
Mo	95	0.121520	1084.742	ug/L	0.006
Rh	103		314994.699	ug/L	
Ag	107	0.051923	886.719	ug/L	0.001
Ag	109	0.056009	854.049	ug/L	0.007
Cd	111	0.061407	252.006	ug/L	0.001
Cd	114	0.057332	557.689	ug/L	0.004
In	115		370223.481	ug/L	
Sb	121	0.707149	4886.695	ug/L	0.009
Sb	123	0.702984	3722.624	ug/L	0.009
Ba	137	8.354825	27617.497	ug/L	0.188
Ba	138	8.333994	176671.951	ug/L	0.118
Tb	159		427177.093	ug/L	
Ho	165		420197.124	ug/L	
Hg	200	0.002859	12.000	ug/L	0.001
Hg	202	-0.000372	10.667	ug/L	0.000
Tl	205	0.006584	706.034	ug/L	0.001
Pb	208	0.125598	6273.577	ug/L	0.004
Bi	209		362731.300	ug/L	
Se	77	0.665239	638.362	ug/L	0.094

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		102.814
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 91.386
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 85.794
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 86.036
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 94623.04
Sample Date/Time: Thursday, November 18, 2010 18:28:10
Autosampler Position: 77
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.04.54655

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11173.531	ug/L	
Be	9	0.320026	136.336	ug/L	0.034
B	10	29.601883	3847.853	ug/L	0.409
B	11	29.002372	20193.939	ug/L	0.158
C	12		875154.904	ug/L	
Na	23	18168.150549	147715752.970	ug/L	255.817
Mg	24	8411.245987	46658874.011	ug/L	14.694
Mg	25	8415.342391	6631993.427	ug/L	76.511
Al	27	19.990106	174417.936	ug/L	0.346
Si	28		44676095.506	ug/L	
P	31	137.602152	75210.690	ug/L	0.735
S	32		77780094.381	ug/L	
Cl	35		10867440.912	ug/L	
K	39	2562.922581	30716854.067	ug/L	12.750
Ca	44	13570.249677	5678806.074	ug/L	74.732
Sc	45		238709.561	ug/L	
Ti	47	2.577451	2829.802	ug/L	0.058
Ti	48	12.822015	139388.213	ug/L	0.647
V	51	0.029422	22539.466	ug/L	0.006
ClO	51		23223.525	ug/L	
Cr	52	0.350264	13377.303	ug/L	0.022
Cr	53	0.367757	7949.554	ug/L	0.024
Fe	54	55628.151250	44470367.632	ug/L	541.325
Mn	55	405.762448	6499382.690	ug/L	1.026
Fe	56	56114.117447	747030680.750	ug/L	269.891
Fe	57	52486.296380	17870824.920	ug/L	618.090
Co	59	0.555159	7750.714	ug/L	0.002
Ni	60	1.219813	3369.992	ug/L	0.010
Ni	62	0.784861	367.678	ug/L	0.001
Cu	63	7.151548	44079.047	ug/L	0.020
Zn	64	12.593837	37210.520	ug/L	0.126
Cu	65	6.925623	20818.352	ug/L	0.130
Zn	66	12.525760	21654.643	ug/L	0.100
Zn	68	12.915300	15543.098	ug/L	0.053
Ge	72		157545.421	ug/L	
As	75	1.089866	1716.438	ug/L	0.037
ArCl	77		668.031	ug/L	
Se	78	-2.908369	10582.827	ug/L	0.033
Br	79		22223.062	ug/L	

Br	81		43516.712	ug/L	
Se	82	0.524461	81.496	ug/L	0.071
Y	89		361059.799	ug/L	
Mo	95	0.120243	1085.076	ug/L	0.000
Rh	103		316893.916	ug/L	
Ag	107	0.148552	1769.523	ug/L	0.007
Ag	109	0.148605	1659.501	ug/L	0.007
Cd	111	0.043632	219.338	ug/L	0.003
Cd	114	0.046999	518.020	ug/L	0.005
In	115		378105.567	ug/L	
Sb	121	0.628782	4459.805	ug/L	0.001
Sb	123	0.622883	3386.574	ug/L	0.004
Ba	137	7.297558	24645.276	ug/L	0.039
Ba	138	7.294189	157961.651	ug/L	0.027
Tb	159		436953.370	ug/L	
Ho	165		427544.183	ug/L	
Hg	200	0.002749	12.000	ug/L	0.003
Hg	202	0.000610	13.000	ug/L	0.002
Tl	205	0.003210	642.362	ug/L	0.001
Pb	208	0.133344	6626.017	ug/L	0.005
Bi	209		372010.047	ug/L	
Se	77	0.846669	659.364	ug/L	0.244

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌜	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		104.856
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 92.320
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 87.621
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 87.540
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 94623.05
Sample Date/Time: Thursday, November 18, 2010 18:34:43
Autosampler Position: 78
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.05.54656

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11328.387	ug/L	
Be	9	0.219524	92.001	ug/L	0.006
B	10	29.847034	3750.811	ug/L	0.524
B	11	30.281333	20319.554	ug/L	0.805
C	12		862033.455	ug/L	
Na	23	18554.262566	145949362.093	ug/L	320.508
Mg	24	8713.360512	46758061.877	ug/L	186.474
Mg	25	8686.428372	6622347.205	ug/L	138.680
Al	27	13.808760	118391.458	ug/L	0.710
Si	28		36958079.006	ug/L	
P	31	88.796272	50850.246	ug/L	3.707
S	32		76449899.201	ug/L	
Cl	35		11150419.781	ug/L	
K	39	2588.508836	30005488.865	ug/L	36.291
Ca	44	13884.427785	5620441.632	ug/L	271.180
Sc	45		230961.379	ug/L	
Ti	47	2.134591	2295.313	ug/L	0.021
Ti	48	13.373372	140720.593	ug/L	0.010
V	51	0.170133	23666.677	ug/L	0.068
ClO	51		23829.763	ug/L	
Cr	52	0.233446	11657.778	ug/L	0.020
Cr	53	0.495973	7854.470	ug/L	0.155
Fe	54	30540.366364	23651410.106	ug/L	322.168
Mn	55	319.630877	4958294.422	ug/L	7.317
Fe	56	31021.877756	400856481.760	ug/L	461.961
Fe	57	29090.875096	9586584.544	ug/L	1032.004
Co	59	0.407343	5686.501	ug/L	0.008
Ni	60	1.149036	3077.552	ug/L	0.002
Ni	62	0.764912	348.010	ug/L	0.006
Cu	63	4.625524	27649.598	ug/L	0.000
Zn	64	10.474989	30069.635	ug/L	0.023
Cu	65	4.420975	12885.255	ug/L	0.014
Zn	66	10.239504	17205.772	ug/L	0.173
Zn	68	10.600065	12405.250	ug/L	0.020
Ge	72		151643.661	ug/L	
As	75	0.928721	1409.022	ug/L	0.005
ArCl	77		709.035	ug/L	
Se	78	-1.940294	10525.163	ug/L	0.093
Br	79		23321.182	ug/L	

Br	81		45570.421	ug/L	
Se	82	0.359542	52.419	ug/L	0.166
Y	89		361366.246	ug/L	
Mo	95	0.112469	981.729	ug/L	0.001
Rh	103		319665.923	ug/L	
Ag	107	0.082398	1177.088	ug/L	0.007
Ag	109	0.080596	1080.075	ug/L	0.004
Cd	111	0.018047	164.336	ug/L	0.007
Cd	114	0.025035	408.013	ug/L	0.001
In	115		377766.629	ug/L	
Sb	121	0.470490	3383.664	ug/L	0.011
Sb	123	0.477310	2630.025	ug/L	0.010
Ba	137	5.564343	18783.573	ug/L	0.064
Ba	138	5.628815	121835.193	ug/L	0.027
Tb	159		439739.045	ug/L	
Ho	165		430384.262	ug/L	
Hg	200	0.003856	14.000	ug/L	0.001
Hg	202	0.003305	19.000	ug/L	0.003
Tl	205	-0.000975	552.022	ug/L	0.001
Pb	208	0.124019	6383.396	ug/L	0.028
Bi	209		376642.601	ug/L	
Se	77	1.065539	684.699	ug/L	0.684

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		101.452
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge 88.861
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In 87.542
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho 88.122
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

Sample ID: 94623.05 MS
Sample Date/Time: Thursday, November 18, 2010 18:41:18
Autosampler Position: 79
Sample Description: post
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.05 MS.54657

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11638.112	ug/L	
Be	9	974.062285	369543.673	ug/L	2.031
B	10	28.638979	3447.355	ug/L	0.061
B	11	27.452368	17736.463	ug/L	0.101
C	12		1620287.331	ug/L	
Na	23	27364.325808	205391888.950	ug/L	147.456
Mg	24	18064.638851	92510719.474	ug/L	365.547
Mg	25	17971.165991	13074265.828	ug/L	174.848
Al	27	10341.522565	80359572.898	ug/L	13.121
Si	28		32640069.776	ug/L	
P	31	9437.190256	4052079.821	ug/L	205.288
S	32		79781649.838	ug/L	
Cl	35		12249369.553	ug/L	
K	39	12523.825494	135318922.631	ug/L	90.314
Ca	44	22421.632676	8654392.810	ug/L	338.244
Sc	45		220373.738	ug/L	
Ti	47	22.145832	21280.766	ug/L	0.507
Ti	48	20.626738	207362.038	ug/L	0.460
V	51	860.451623	10902429.686	ug/L	5.628
ClO	51		11220685.458	ug/L	
Cr	52	846.968761	8897636.837	ug/L	1.708
Cr	53	884.978652	1088667.691	ug/L	9.075
Fe	54	38610.851260	28514673.273	ug/L	300.250
Mn	55	1180.986641	17416649.183	ug/L	4.877
Fe	56	38781.548090	477490553.287	ug/L	330.739
Fe	57	36173.594201	11374406.741	ug/L	327.513
Co	59	809.435952	9468580.192	ug/L	0.931
Ni	60	800.097115	1975615.070	ug/L	11.476
Ni	62	821.629564	304722.764	ug/L	10.453
Cu	63	750.864801	4254360.058	ug/L	0.817
Zn	64	773.256274	2067128.413	ug/L	2.412
Cu	65	741.744899	2051241.041	ug/L	0.385
Zn	66	801.364680	1252838.403	ug/L	7.988
Zn	68	813.146019	882860.640	ug/L	9.794
Ge	72		148282.274	ug/L	
As	75	941.500841	1389646.090	ug/L	1.429
ArCl	77		103808.022	ug/L	
Se	78	961.849154	339968.073	ug/L	2.851
Br	79		24389.623	ug/L	

Br	81		45144.607	ug/L	
Se	82	923.045376	142171.057	ug/L	1.240
Y	89		347911.019	ug/L	
Mo	95	405.120645	3193845.595	ug/L	5.342
Rh	103		305966.593	ug/L	
Ag	107	833.861480	7196186.218	ug/L	11.527
Ag	109	822.597462	6753857.758	ug/L	7.932
Cd	111	964.552578	1993963.351	ug/L	16.066
Cd	114	949.231988	4577126.762	ug/L	14.679
In	115		365006.698	ug/L	
Sb	121	976.725486	6394014.217	ug/L	11.016
Sb	123	969.868173	4850417.280	ug/L	10.014
Ba	137	984.180073	3203041.081	ug/L	19.074
Ba	138	984.925196	20560009.682	ug/L	22.102
Tb	159		429227.466	ug/L	
Ho	165		416442.095	ug/L	
Hg	200	1.045140	1755.854	ug/L	0.008
Hg	202	1.039418	2237.631	ug/L	0.012
Tl	205	953.483368	20896075.317	ug/L	3.190
Pb	208	940.419599	28788071.942	ug/L	9.503
Bi	209		363133.577	ug/L	
Se	77	877.780414	102170.277	ug/L	3.126

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		96.802
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 86.892
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 84.585
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 85.267
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 94623.05 MSD
Sample Date/Time: Thursday, November 18, 2010 18:47:53
Autosampler Position: 80
Sample Description: post
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.05 MSD.54658

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11403.147	ug/L	
Be	9	977.407286	365376.093	ug/L	10.110
B	10	30.254047	3570.403	ug/L	0.686
B	11	28.969155	18350.352	ug/L	0.465
C	12		1606877.874	ug/L	
Na	23	28504.746028	210790013.158	ug/L	810.810
Mg	24	18515.180660	93416935.888	ug/L	494.255
Mg	25	18473.167456	13242534.808	ug/L	141.335
Al	27	10352.109529	79261165.619	ug/L	137.025
Si	28		33395357.105	ug/L	
P	31	9460.081500	4002194.899	ug/L	118.472
S	32		77915368.467	ug/L	
Cl	35		12356677.500	ug/L	
K	39	12795.023298	136197667.882	ug/L	262.928
Ca	44	22796.917386	8669931.666	ug/L	231.912
Sc	45		217156.529	ug/L	
Ti	47	21.719798	20570.794	ug/L	0.307
Ti	48	21.498957	212980.375	ug/L	0.356
V	51	869.512559	10854712.027	ug/L	18.972
ClO	51		11080606.195	ug/L	
Cr	52	852.355438	8823102.902	ug/L	5.985
Cr	53	885.666893	1073554.916	ug/L	5.145
Fe	54	38707.419832	28167280.044	ug/L	339.367
Mn	55	1195.832367	17377379.224	ug/L	6.065
Fe	56	39393.256893	477835634.247	ug/L	925.945
Fe	57	36847.016724	11416153.876	ug/L	423.163
Co	59	812.818430	9368656.607	ug/L	9.813
Ni	60	812.051392	1975828.659	ug/L	4.220
Ni	62	809.775232	295931.565	ug/L	3.195
Cu	63	747.835480	4174937.171	ug/L	12.016
Zn	64	772.770470	2035492.898	ug/L	11.028
Cu	65	739.187872	2014212.987	ug/L	7.178
Zn	66	796.202541	1226519.994	ug/L	7.167
Zn	68	811.060223	867638.258	ug/L	14.493
Ge	72		146299.859	ug/L	
As	75	943.215981	1373455.983	ug/L	13.715
ArCl	77		101360.277	ug/L	
Se	78	957.561212	333957.325	ug/L	14.340
Br	79		23001.656	ug/L	

Br	81		43242.069	ug/L	
Se	82	928.594039	141102.497	ug/L	16.242
Y	89		341513.931	ug/L	
Mo	95	409.861345	3188151.179	ug/L	2.575
Rh	103		299810.672	ug/L	
Ag	107	841.949077	7205991.174	ug/L	0.068
Ag	109	843.511025	6867606.133	ug/L	10.003
Cd	111	964.984425	1978278.927	ug/L	9.832
Cd	114	954.689205	4565030.039	ug/L	13.175
In	115		361960.577	ug/L	
Sb	121	991.359044	6435532.652	ug/L	7.695
Sb	123	984.296744	4881088.370	ug/L	2.040
Ba	137	989.635874	3193884.932	ug/L	18.838
Ba	138	985.322569	20397755.450	ug/L	12.735
Tb	159		422978.334	ug/L	
Ho	165		412406.137	ug/L	
Hg	200	1.052186	1750.519	ug/L	0.002
Hg	202	1.065170	2270.973	ug/L	0.035
Tl	205	959.302649	20819189.460	ug/L	5.740
Pb	208	947.686689	28727281.016	ug/L	10.001
Bi	209		350023.235	ug/L	
Se	77	864.412249	100622.823	ug/L	6.341

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		95.388
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 85.730
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 83.879
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 84.441
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 94623.06
Sample Date/Time: Thursday, November 18, 2010 19:14:17
Autosampler Position: 84
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.06.54662

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11025.350	ug/L	
Be	9	0.311527	127.002	ug/L	0.035
B	10	28.560151	3561.400	ug/L	0.642
B	11	28.930463	19265.251	ug/L	0.522
C	12		796297.777	ug/L	
Na	23	17919.463394	139306974.467	ug/L	435.816
Mg	24	8374.734658	44420384.210	ug/L	91.624
Mg	25	8281.339259	6239629.757	ug/L	185.341
Al	27	16.008455	134772.135	ug/L	0.267
Si	28		35632076.172	ug/L	
P	31	127.164048	67271.411	ug/L	5.522
S	32		75703386.653	ug/L	
Cl	35		10042341.658	ug/L	
K	39	2532.227224	29029977.024	ug/L	32.039
Ca	44	13402.132365	5361988.384	ug/L	400.175
Sc	45		228267.926	ug/L	
Ti	47	2.228380	2360.664	ug/L	0.101
Ti	48	12.836431	133532.082	ug/L	0.759
V	51	0.020813	21438.463	ug/L	0.029
ClO	51		21794.314	ug/L	
Cr	52	0.482237	14228.135	ug/L	0.001
Cr	53	0.266379	7473.145	ug/L	0.052
Fe	54	29392.224490	22498254.549	ug/L	538.809
Mn	55	380.521407	5829274.588	ug/L	7.853
Fe	56	29922.804027	382219210.117	ug/L	792.285
Fe	57	28088.169401	9150574.326	ug/L	173.259
Co	59	0.544613	7283.323	ug/L	0.008
Ni	60	1.334242	3515.381	ug/L	0.000
Ni	62	1.021175	442.349	ug/L	0.005
Cu	63	6.510960	38388.598	ug/L	0.084
Zn	64	13.142351	37100.289	ug/L	0.134
Cu	65	6.359256	18285.554	ug/L	0.084
Zn	66	13.025605	21516.984	ug/L	0.036
Zn	68	13.237502	15225.894	ug/L	0.021
Ge	72		147230.657	ug/L	
As	75	0.961867	1416.780	ug/L	0.068
ArCl	77		620.361	ug/L	
Se	78	-1.750484	10283.279	ug/L	0.058
Br	79		22330.014	ug/L	

Br	81		43739.107	ug/L	
Se	82	0.576662	84.200	ug/L	0.115
Y	89		354526.107	ug/L	
Mo	95	0.153764	1276.436	ug/L	0.001
Rh	103		313615.196	ug/L	
Ag	107	0.888843	8216.796	ug/L	0.035
Ag	109	0.892365	7822.777	ug/L	0.028
Cd	111	0.022554	170.670	ug/L	0.001
Cd	114	0.026854	409.013	ug/L	0.000
In	115		370456.191	ug/L	
Sb	121	0.788447	5430.009	ug/L	0.012
Sb	123	0.762871	4028.673	ug/L	0.005
Ba	137	5.859071	19393.525	ug/L	0.073
Ba	138	5.864133	124462.758	ug/L	0.036
Tb	159		437399.376	ug/L	
Ho	165		427446.059	ug/L	
Hg	200	0.003335	13.000	ug/L	0.001
Hg	202	0.001064	14.000	ug/L	0.001
Tl	205	0.002564	627.695	ug/L	0.000
Pb	208	0.148744	7107.484	ug/L	0.005
Bi	209		376691.284	ug/L	
Se	77	0.578844	628.361	ug/L	0.020

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		100.269
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 86.275
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 85.848
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 87.520
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 94623.07
Sample Date/Time: Thursday, November 18, 2010 19:20:54
Autosampler Position: 85
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.07.54663

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11174.864	ug/L	
Be	9	0.336759	140.002	ug/L	0.013
B	10	28.711015	3658.106	ug/L	0.060
B	11	29.185089	19850.850	ug/L	0.123
C	12		841754.481	ug/L	
Na	23	18020.197211	143199771.526	ug/L	211.996
Mg	24	8373.836546	45398737.255	ug/L	66.464
Mg	25	8352.327590	6432914.126	ug/L	69.735
Al	27	21.640520	184039.097	ug/L	0.440
Si	28		39962228.286	ug/L	
P	31	158.498447	82968.488	ug/L	4.250
S	32		77329180.761	ug/L	
Cl	35		10038275.755	ug/L	
K	39	2539.645081	29757034.106	ug/L	21.996
Ca	44	13403.728895	5482133.318	ug/L	86.538
Sc	45		233317.856	ug/L	
Ti	47	2.544152	2732.104	ug/L	0.052
Ti	48	12.845876	136469.603	ug/L	0.661
V	51	0.008954	21756.222	ug/L	0.004
ClO	51		22212.327	ug/L	
Cr	52	0.456851	14261.082	ug/L	0.004
Cr	53	0.115461	7443.120	ug/L	0.048
Fe	54	40557.878497	31705208.704	ug/L	506.305
Mn	55	471.821535	7381961.710	ug/L	5.134
Fe	56	40769.682887	531247787.100	ug/L	516.683
Fe	57	38329.135481	12760060.252	ug/L	180.404
Co	59	0.904226	11897.900	ug/L	0.007
Ni	60	1.422607	3822.176	ug/L	0.090
Ni	62	1.060597	467.683	ug/L	0.017
Cu	63	9.286738	55884.131	ug/L	0.155
Zn	64	11.991337	34662.847	ug/L	0.181
Cu	65	9.107742	26736.192	ug/L	0.104
Zn	66	11.782528	19932.361	ug/L	0.302
Zn	68	12.146857	14305.058	ug/L	0.443
Ge	72		150963.127	ug/L	
As	75	1.024443	1546.300	ug/L	0.112
ArCl	77		634.028	ug/L	
Se	78	-2.442306	10302.938	ug/L	0.135
Br	79		22730.321	ug/L	

Br	81		43470.150	ug/L	
Se	82	0.540029	80.525	ug/L	0.149
Y	89		355062.924	ug/L	
Mo	95	0.136155	1167.420	ug/L	0.004
Rh	103		312133.409	ug/L	
Ag	107	0.506505	4966.740	ug/L	0.018
Ag	109	0.507012	4705.265	ug/L	0.014
Cd	111	0.044432	221.005	ug/L	0.006
Cd	114	0.049702	531.354	ug/L	0.001
In	115		377954.351	ug/L	
Sb	121	0.712758	5027.107	ug/L	0.003
Sb	123	0.695408	3760.889	ug/L	0.004
Ba	137	6.800847	22958.853	ug/L	0.145
Ba	138	6.821411	147676.077	ug/L	0.032
Tb	159		442087.637	ug/L	
Ho	165		429439.886	ug/L	
Hg	200	0.002512	11.667	ug/L	0.001
Hg	202	0.000424	12.667	ug/L	0.001
Tl	205	0.005867	705.368	ug/L	0.000
Pb	208	0.217239	9303.620	ug/L	0.003
Bi	209		372730.205	ug/L	
Se	77	0.431973	611.360	ug/L	0.090

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		102.487
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	88.462
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.586
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	87.929
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.08
Sample Date/Time: Thursday, November 18, 2010 19:27:28
Autosampler Position: 86
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.08.54664

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10894.524	ug/L	
Be	9	0.175671	73.334	ug/L	0.017
B	10	30.579258	3771.153	ug/L	0.236
B	11	30.468498	20097.393	ug/L	0.354
C	12		812449.773	ug/L	
Na	23	18846.229747	145791460.644	ug/L	224.004
Mg	24	8721.632049	46029932.768	ug/L	124.189
Mg	25	8640.048152	6477941.825	ug/L	3.608
Al	27	13.540126	114308.869	ug/L	0.049
Si	28		32601212.550	ug/L	
P	31	75.513622	44151.413	ug/L	3.312
S	32		76119229.213	ug/L	
Cl	35		10671161.443	ug/L	
K	39	2623.991087	29900876.335	ug/L	4.636
Ca	44	13789.679530	5489923.575	ug/L	76.631
Sc	45		227111.210	ug/L	
Ti	47	1.969543	2094.929	ug/L	0.014
Ti	48	13.489417	139577.581	ug/L	0.450
V	51	0.082032	22130.459	ug/L	0.006
ClO	51		22925.100	ug/L	
Cr	52	0.074145	9742.012	ug/L	0.005
Cr	53	0.228550	7388.075	ug/L	0.022
Fe	54	12652.406603	9677004.626	ug/L	84.409
Mn	55	235.841495	3604804.616	ug/L	1.527
Fe	56	12887.443880	165479369.270	ug/L	50.309
Fe	57	12209.408847	3963851.139	ug/L	39.475
Co	59	0.409198	5614.790	ug/L	0.005
Ni	60	1.072481	2831.469	ug/L	0.008
Ni	62	0.619623	286.674	ug/L	0.019
Cu	63	3.752839	22093.034	ug/L	0.020
Zn	64	8.286660	23541.951	ug/L	0.045
Cu	65	3.516035	10091.699	ug/L	0.037
Zn	66	7.871072	13106.239	ug/L	0.091
Zn	68	8.051752	9348.231	ug/L	0.156
Ge	72		144966.703	ug/L	
As	75	0.496057	722.743	ug/L	0.047
ArCl	77		706.034	ug/L	
Se	78	-1.115077	10337.634	ug/L	0.067
Br	79		21233.702	ug/L	

Br	81		42417.915	ug/L	
Se	82	0.527923	75.522	ug/L	0.127
Y	89		358582.501	ug/L	
Mo	95	0.094668	801.377	ug/L	0.008
Rh	103		316399.834	ug/L	
Ag	107	0.320410	3289.961	ug/L	0.002
Ag	109	0.326807	3160.581	ug/L	0.011
Cd	111	-0.003553	117.669	ug/L	0.003
Cd	114	0.002691	295.341	ug/L	0.000
In	115		376311.287	ug/L	
Sb	121	0.368978	2686.091	ug/L	0.016
Sb	123	0.361576	2023.859	ug/L	0.014
Ba	137	4.652384	15651.285	ug/L	0.013
Ba	138	4.718710	101771.165	ug/L	0.050
Tb	159		445383.907	ug/L	
Ho	165		433646.884	ug/L	
Hg	200	0.003602	13.667	ug/L	0.000
Hg	202	0.000966	14.000	ug/L	0.000
Tl	205	-0.003732	493.018	ug/L	0.001
Pb	208	0.147719	7178.847	ug/L	0.001
Bi	209		380776.668	ug/L	
Se	77	0.921545	668.031	ug/L	0.326

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		99.761
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

84.949

87.205

88.790

Sample ID: 94623.09
Sample Date/Time: Thursday, November 18, 2010 20:02:11
Autosampler Position: 87
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.09.54669

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11274.988	ug/L	
Be	9	0.222237	92.668	ug/L	0.022
B	10	29.418552	3683.450	ug/L	0.428
B	11	29.408274	19688.160	ug/L	0.214
C	12		812500.482	ug/L	
Na	23	18598.397307	145580925.378	ug/L	34.283
Mg	24	8559.844655	45709826.472	ug/L	67.331
Mg	25	8610.946140	6532723.727	ug/L	11.949
Al	27	18.563511	156372.458	ug/L	0.178
Si	28		32810070.139	ug/L	
P	31	92.756652	52379.051	ug/L	1.419
S	32		76196886.559	ug/L	
Cl	35		10451084.484	ug/L	
K	39	2602.610923	30013334.804	ug/L	56.831
Ca	44	13775.904750	5548954.563	ug/L	296.102
Sc	45		229804.405	ug/L	
Ti	47	2.120851	2270.306	ug/L	0.001
Ti	48	13.474054	141097.524	ug/L	0.508
V	51	0.047458	21934.320	ug/L	0.045
ClO	51		22266.124	ug/L	
Cr	52	0.183188	11049.711	ug/L	0.026
Cr	53	0.116476	7332.362	ug/L	0.088
Fe	54	14631.151532	11310880.193	ug/L	323.844
Mn	55	299.831332	4630008.220	ug/L	3.246
Fe	56	14778.094111	191560530.178	ug/L	203.159
Fe	57	13996.279369	4595698.414	ug/L	361.020
Co	59	0.473160	6461.360	ug/L	0.003
Ni	60	1.181920	3146.909	ug/L	0.006
Ni	62	0.804489	361.344	ug/L	0.125
Cu	63	4.171092	24823.431	ug/L	0.109
Zn	64	10.078772	28814.106	ug/L	0.102
Cu	65	3.954567	11475.019	ug/L	0.081
Zn	66	9.751651	16326.143	ug/L	0.063
Zn	68	9.916688	11570.141	ug/L	0.058
Ge	72		148419.078	ug/L	
As	75	0.575597	857.310	ug/L	0.059
ArCl	77		686.699	ug/L	
Se	78	-1.180677	10561.308	ug/L	0.101
Br	79		19555.597	ug/L	

Br	81		41232.102	ug/L	
Se	82	0.522775	76.545	ug/L	0.010
Y	89		362159.562	ug/L	
Mo	95	0.098375	849.715	ug/L	0.007
Rh	103		320812.286	ug/L	
Ag	107	0.166683	1945.561	ug/L	0.002
Ag	109	0.166218	1822.868	ug/L	0.010
Cd	111	0.002683	132.669	ug/L	0.007
Cd	114	0.008245	327.009	ug/L	0.005
In	115		380882.180	ug/L	
Sb	121	0.330654	2456.356	ug/L	0.005
Sb	123	0.328947	1877.698	ug/L	0.000
Ba	137	5.008041	17049.142	ug/L	0.035
Ba	138	4.996149	109055.166	ug/L	0.036
Tb	159		449215.962	ug/L	
Ho	165		436959.699	ug/L	
Hg	200	0.002017	11.000	ug/L	0.000
Hg	202	0.003288	19.334	ug/L	0.001
Tl	205	-0.004582	477.017	ug/L	0.002
Pb	208	0.190227	8595.343	ug/L	0.012
Bi	209		384437.617	ug/L	
Se	77	0.777553	651.363	ug/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		100.944
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 86.972
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 88.264
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 89.468
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 94623.10
Sample Date/Time: Thursday, November 18, 2010 20:08:42
Autosampler Position: 88
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.10.54670

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11517.960	ug/L	
Be	9	0.185417	77.334	ug/L	0.008
B	10	30.388665	3757.814	ug/L	0.282
B	11	29.585969	19606.984	ug/L	0.470
C	12		797705.472	ug/L	
Na	23	18387.098965	142551322.908	ug/L	127.114
Mg	24	8555.544964	45249955.456	ug/L	109.307
Mg	25	8429.435320	6333680.419	ug/L	89.237
Al	27	15.543721	130631.504	ug/L	0.234
Si	28		32603641.126	ug/L	
P	31	94.392337	52603.706	ug/L	1.581
S	32		75430333.405	ug/L	
Cl	35		10583664.808	ug/L	
K	39	2574.465574	29417043.384	ug/L	12.139
Ca	44	13556.366952	5409021.543	ug/L	65.693
Sc	45		227612.985	ug/L	
Ti	47	2.027734	2156.944	ug/L	0.009
Ti	48	13.514847	140141.213	ug/L	0.252
V	51	0.083746	22203.648	ug/L	0.031
ClO	51		22698.530	ug/L	
Cr	52	0.158804	10681.313	ug/L	0.001
Cr	53	0.259221	7443.789	ug/L	0.107
Fe	54	12908.653446	9893345.770	ug/L	3.035
Mn	55	295.256135	4516409.644	ug/L	0.943
Fe	56	13136.157843	168988175.663	ug/L	7.402
Fe	57	12464.613832	4055343.475	ug/L	39.859
Co	59	0.542740	7239.288	ug/L	0.021
Ni	60	1.209333	3186.924	ug/L	0.015
Ni	62	0.893328	392.012	ug/L	0.064
Cu	63	4.312016	25415.405	ug/L	0.045
Zn	64	10.309792	29177.864	ug/L	0.025
Cu	65	4.102013	11787.421	ug/L	0.022
Zn	66	10.089332	16715.186	ug/L	0.102
Zn	68	10.183279	11757.716	ug/L	0.121
Ge	72		146466.467	ug/L	
As	75	0.503904	741.518	ug/L	0.024
ArCl	77		696.367	ug/L	
Se	78	-0.946488	10501.450	ug/L	0.097
Br	79		18520.057	ug/L	

Br	81		40059.488	ug/L	
Se	82	0.360225	50.842	ug/L	0.105
Y	89		362051.396	ug/L	
Mo	95	0.093567	801.043	ug/L	0.000
Rh	103		316564.051	ug/L	
Ag	107	0.106059	1393.788	ug/L	0.006
Ag	109	0.105235	1294.439	ug/L	0.011
Cd	111	-0.002918	120.002	ug/L	0.003
Cd	114	0.006416	316.342	ug/L	0.001
In	115		379289.323	ug/L	
Sb	121	0.231889	1774.191	ug/L	0.004
Sb	123	0.236799	1390.982	ug/L	0.006
Ba	137	4.784438	16221.956	ug/L	0.035
Ba	138	4.774039	103783.666	ug/L	0.018
Tb	159		450724.197	ug/L	
Ho	165		438311.301	ug/L	
Hg	200	0.003128	13.000	ug/L	0.002
Hg	202	0.000309	12.667	ug/L	0.000
Tl	205	-0.004646	477.351	ug/L	0.001
Pb	208	0.263557	10988.379	ug/L	0.000
Bi	209		384552.763	ug/L	
Se	77	0.575964	628.028	ug/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		99.981
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 85.827
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 87.895
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 89.745
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 94623.11
Sample Date/Time: Thursday, November 18, 2010 20:15:13
Autosampler Position: 89
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.11.54671

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11551.335	ug/L	
Be	9	0.184095	76.668	ug/L	0.010
B	10	30.713196	3788.161	ug/L	1.547
B	11	30.472481	20114.429	ug/L	0.624
C	12		816002.250	ug/L	
Na	23	18767.153835	145317756.297	ug/L	128.353
Mg	24	8668.978468	45781963.102	ug/L	239.437
Mg	25	8705.937927	6532867.700	ug/L	43.175
Al	27	16.883018	141198.864	ug/L	0.049
Si	28		31743925.003	ug/L	
P	31	63.939581	39067.680	ug/L	3.142
S	32		77667365.976	ug/L	
Cl	35		10457581.956	ug/L	
K	39	2638.964643	30091794.202	ug/L	16.448
Ca	44	13949.472630	5557661.322	ug/L	199.446
Sc	45		227312.502	ug/L	
Ti	47	2.107086	2232.296	ug/L	0.020
Ti	48	13.519775	140032.226	ug/L	0.146
V	51	0.114025	22562.524	ug/L	0.046
ClO	51		23116.258	ug/L	
Cr	52	0.177887	10872.395	ug/L	0.015
Cr	53	0.361796	7560.219	ug/L	0.239
Fe	54	9657.952918	7409374.423	ug/L	84.682
Mn	55	306.333365	4678282.728	ug/L	4.088
Fe	56	9782.429433	126404025.348	ug/L	214.824
Fe	57	9249.301207	3007966.581	ug/L	77.324
Co	59	0.495220	6657.170	ug/L	0.004
Ni	60	1.275291	3350.651	ug/L	0.006
Ni	62	0.844449	372.678	ug/L	0.077
Cu	63	4.457804	26230.383	ug/L	0.047
Zn	64	10.577894	29873.370	ug/L	0.240
Cu	65	4.215081	12092.492	ug/L	0.095
Zn	66	10.363019	17133.635	ug/L	0.113
Zn	68	10.496425	12092.492	ug/L	0.101
Ge	72		145092.746	ug/L	
As	75	0.455309	664.362	ug/L	0.014
ArCl	77		695.034	ug/L	
Se	78	-0.859472	10430.338	ug/L	1.077
Br	79		20470.267	ug/L	

Br	81		42171.031	ug/L	
Se	82	0.429501	60.834	ug/L	0.085
Y	89		358091.451	ug/L	
Mo	95	0.077005	665.698	ug/L	0.002
Rh	103		316288.113	ug/L	
Ag	107	0.071280	1078.075	ug/L	0.001
Ag	109	0.072268	1009.733	ug/L	0.011
Cd	111	0.005537	137.669	ug/L	0.005
Cd	114	0.008314	324.676	ug/L	0.004
In	115		377929.050	ug/L	
Sb	121	0.193082	1504.806	ug/L	0.004
Sb	123	0.196371	1176.743	ug/L	0.008
Ba	137	4.659771	15743.778	ug/L	0.003
Ba	138	4.690347	101603.134	ug/L	0.020
Tb	159		445288.821	ug/L	
Ho	165		434319.491	ug/L	
Hg	200	0.003203	13.000	ug/L	0.000
Hg	202	0.001555	15.333	ug/L	0.001
Tl	205	-0.005509	453.349	ug/L	0.001
Pb	208	0.215658	9359.325	ug/L	0.003
Bi	209		383278.843	ug/L	
Se	77	0.935945	669.698	ug/L	0.444

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		99.849
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 85.023
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 87.580
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 88.928
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 94623.12
Sample Date/Time: Thursday, November 18, 2010 20:21:45
Autosampler Position: 90
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.12.54672

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11663.477	ug/L	
Be	9	0.183179	77.668	ug/L	0.012
B	10	30.213177	3797.498	ug/L	0.286
B	11	29.573235	19910.980	ug/L	0.142
C	12		829726.920	ug/L	
Na	23	18600.791934	146496753.783	ug/L	30.456
Mg	24	8508.485974	45716589.281	ug/L	21.739
Mg	25	8641.037319	6595352.181	ug/L	240.922
Al	27	21.331882	179897.015	ug/L	0.044
Si	28		32331640.545	ug/L	
P	31	88.730654	50893.882	ug/L	3.104
S	32		77852741.575	ug/L	
Cl	35		10691490.958	ug/L	
K	39	2585.956090	30013334.804	ug/L	1.719
Ca	44	13800.610626	5593488.174	ug/L	125.155
Sc	45		231219.559	ug/L	
Ti	47	2.301561	2465.359	ug/L	0.070
Ti	48	12.997752	136908.163	ug/L	0.037
V	51	0.126008	23114.245	ug/L	0.000
ClO	51		23753.563	ug/L	
Cr	52	0.391144	13409.403	ug/L	0.015
Cr	53	0.517193	7891.503	ug/L	0.116
Fe	54	13046.399978	10156446.702	ug/L	58.399
Mn	55	402.211299	6240480.821	ug/L	4.024
Fe	56	13147.780362	171815519.657	ug/L	0.458
Fe	57	12510.037202	4134399.511	ug/L	249.226
Co	59	0.594463	7989.923	ug/L	0.002
Ni	60	1.448781	3857.523	ug/L	0.006
Ni	62	1.076605	469.684	ug/L	0.031
Cu	63	4.549167	27226.314	ug/L	0.016
Zn	64	10.251092	29475.892	ug/L	0.007
Cu	65	4.368901	12748.727	ug/L	0.016
Zn	66	9.966524	16779.975	ug/L	0.108
Zn	68	10.245342	12015.389	ug/L	0.010
Ge	72		149164.463	ug/L	
As	75	0.466950	700.368	ug/L	0.019
ArCl	77		717.369	ug/L	
Se	78	-1.496991	10505.495	ug/L	0.142
Br	79		19947.440	ug/L	

Br	81		41921.573	ug/L	
Se	82	0.365054	52.521	ug/L	0.216
Y	89		361410.681	ug/L	
Mo	95	0.089103	780.375	ug/L	0.002
Rh	103		317412.945	ug/L	
Ag	107	0.054468	939.058	ug/L	0.008
Ag	109	0.059506	912.055	ug/L	0.009
Cd	111	0.012924	155.336	ug/L	0.005
Cd	114	0.011494	344.677	ug/L	0.001
In	115		382487.192	ug/L	
Sb	121	0.230532	1779.859	ug/L	0.022
Sb	123	0.233203	1383.901	ug/L	0.004
Ba	137	5.116651	17491.987	ug/L	0.015
Ba	138	5.117646	112176.238	ug/L	0.018
Tb	159		448347.823	ug/L	
Ho	165		444801.842	ug/L	
Hg	200	0.003027	13.000	ug/L	0.000
Hg	202	0.000376	13.000	ug/L	0.002
Tl	205	-0.005051	475.017	ug/L	0.001
Pb	208	0.164670	7918.090	ug/L	0.001
Bi	209		383929.669	ug/L	
Se	77	1.030979	680.699	ug/L	0.065

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		101.566
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge 87.408
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In 88.636
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho 91.074
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

Sample ID: 94623.13
Sample Date/Time: Thursday, November 18, 2010 20:28:17
Autosampler Position: 91
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.13.54673

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11774.288	ug/L	
Be	9	0.167228	71.001	ug/L	0.016
B	10	30.285823	3791.829	ug/L	0.125
B	11	29.565876	19831.138	ug/L	0.572
C	12		831985.151	ug/L	
Na	23	18511.993023	145252490.364	ug/L	180.874
Mg	24	8637.435648	46235071.310	ug/L	110.994
Mg	25	8611.630708	6549244.681	ug/L	3.415
Al	27	19.666270	165689.369	ug/L	0.332
Si	28		32147068.722	ug/L	
P	31	77.118216	45501.460	ug/L	0.879
S	32		78388827.768	ug/L	
Cl	35		10807967.117	ug/L	
K	39	2629.953129	30389939.912	ug/L	90.041
Ca	44	13770.319725	5560119.210	ug/L	270.928
Sc	45		230369.254	ug/L	
Ti	47	2.253510	2408.677	ug/L	0.075
Ti	48	13.879038	145717.867	ug/L	0.424
V	51	0.136843	23170.388	ug/L	0.024
ClO	51		24167.338	ug/L	
Cr	52	0.124111	10428.205	ug/L	0.024
Cr	53	0.403540	7717.018	ug/L	0.077
Fe	54	9522.384571	7404629.389	ug/L	95.239
Mn	55	319.016933	4936571.560	ug/L	3.730
Fe	56	9525.082469	124817812.871	ug/L	179.861
Fe	57	9150.506783	3015872.184	ug/L	137.096
Co	59	0.543659	7339.368	ug/L	0.001
Ni	60	1.324412	3522.384	ug/L	0.001
Ni	62	0.977275	429.348	ug/L	0.027
Cu	63	3.571818	21333.885	ug/L	0.101
Zn	64	12.444155	35488.258	ug/L	0.305
Cu	65	3.398786	9897.484	ug/L	0.006
Zn	66	11.989511	20020.554	ug/L	0.201
Zn	68	12.117451	14094.392	ug/L	0.098
Ge	72		147083.015	ug/L	
As	75	0.480466	710.579	ug/L	0.023
ArCl	77		706.368	ug/L	
Se	78	-1.367497	10402.011	ug/L	0.510
Br	79		20664.048	ug/L	

Br	81		42060.592	ug/L	
Se	82	0.360741	51.179	ug/L	0.105
Y	89		361483.229	ug/L	
Mo	95	0.068717	610.027	ug/L	0.001
Rh	103		317283.144	ug/L	
Ag	107	0.037815	783.042	ug/L	0.006
Ag	109	0.038167	723.369	ug/L	0.003
Cd	111	0.001503	129.669	ug/L	0.001
Cd	114	-0.000842	280.340	ug/L	0.000
In	115		379782.768	ug/L	
Sb	121	0.157323	1268.768	ug/L	0.007
Sb	123	0.160135	994.053	ug/L	0.006
Ba	137	4.689537	15922.091	ug/L	0.026
Ba	138	4.742016	103223.493	ug/L	0.000
Tb	159		454903.988	ug/L	
Ho	165		445139.614	ug/L	
Hg	200	0.003037	13.000	ug/L	0.003
Hg	202	0.001245	15.000	ug/L	0.000
Tl	205	-0.007554	416.680	ug/L	0.000
Pb	208	0.259718	11033.400	ug/L	0.003
Bi	209		387487.571	ug/L	
Se	77	1.177851	697.700	ug/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		101.192
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 86.189
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 88.009
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 91.143
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 94623.14
Sample Date/Time: Thursday, November 18, 2010 20:34:50
Autosampler Position: 92
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.14.54674

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10815.767	ug/L	
Be	9	0.020152	13.000	ug/L	0.005
B	10	196.408044	23237.227	ug/L	1.702
B	11	193.524482	122616.362	ug/L	6.321
C	12		944729.249	ug/L	
Na	23	72158.608148	577950884.050	ug/L	1725.963
Mg	24	20853.547458	113975875.447	ug/L	357.372
Mg	25	20763.740476	16122291.940	ug/L	326.912
Al	27	7.606516	69165.709	ug/L	0.271
Si	28		44112665.730	ug/L	
P	31	204.884722	104865.136	ug/L	1.543
S	32		73897227.097	ug/L	
Cl	35		11579292.812	ug/L	
K	39	18129.024664	208660151.973	ug/L	358.591
Ca	44	44073.719450	18143509.623	ug/L	894.155
Sc	45		235234.278	ug/L	
Ti	47	2.620047	2831.469	ug/L	0.097
Ti	48	25.966057	278792.523	ug/L	0.069
V	51	0.069466	22748.988	ug/L	0.030
ClO	51		23498.566	ug/L	
Cr	52	0.963566	20049.603	ug/L	0.054
Cr	53	1.046257	8716.932	ug/L	0.222
Fe	54	29438.225866	23220195.191	ug/L	609.281
Mn	55	824.134976	12979436.920	ug/L	16.731
Fe	56	29756.939316	391733585.138	ug/L	543.160
Fe	57	28179.603865	9459863.729	ug/L	385.895
Co	59	1.152858	15098.679	ug/L	0.020
Ni	60	10.509042	27798.049	ug/L	0.283
Ni	62	9.047369	3632.095	ug/L	0.211
Cu	63	2.900906	17730.117	ug/L	0.019
Zn	64	13.355903	38838.451	ug/L	0.259
Cu	65	2.141944	6395.646	ug/L	0.043
Zn	66	13.249057	22542.807	ug/L	0.299
Zn	68	14.392566	17027.770	ug/L	0.081
Ge	72		145420.546	ug/L	
As	75	25.671648	37165.659	ug/L	0.157
ArCl	77		818.045	ug/L	
Se	78	-1.991488	10075.702	ug/L	0.308
Br	79		113200.067	ug/L	

Br	81		139531.198	ug/L	
Se	82	1.825308	271.636	ug/L	0.298
Y	89		347293.370	ug/L	
Mo	95	4.969686	38496.387	ug/L	0.034
Rh	103		297220.555	ug/L	
Ag	107	0.301582	2977.185	ug/L	0.021
Ag	109	0.297887	2779.453	ug/L	0.009
Cd	111	0.042590	206.004	ug/L	0.002
Cd	114	0.046240	488.018	ug/L	0.006
In	115		358799.519	ug/L	
Sb	121	0.126946	1003.065	ug/L	0.002
Sb	123	0.124214	762.440	ug/L	0.010
Ba	137	48.142616	154072.171	ug/L	0.239
Ba	138	48.086876	987066.816	ug/L	0.048
Tb	159		424176.997	ug/L	
Ho	165		408744.832	ug/L	
Hg	200	0.006328	17.334	ug/L	0.004
Hg	202	0.002928	17.334	ug/L	0.002
Tl	205	-0.007519	383.345	ug/L	0.001
Pb	208	0.758360	25112.290	ug/L	0.002
Bi	209		344727.439	ug/L	
Se	77	1.894938	780.708	ug/L	0.220

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		103.329
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge 85.215
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In 83.147
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho 83.691
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

Sample ID: 94623.15
Sample Date/Time: Thursday, November 18, 2010 20:41:23
Autosampler Position: 93
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.15.54675

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10475.365	ug/L	
Be	9	0.034592	18.667	ug/L	0.003
B	10	201.906235	23678.701	ug/L	1.688
B	11	199.700900	125443.488	ug/L	0.613
C	12		935639.308	ug/L	
Na	23	73474.118361	583637441.570	ug/L	744.732
Mg	24	21285.691234	115378031.193	ug/L	26.608
Mg	25	21162.454447	16295348.038	ug/L	226.732
Al	27	14.007226	121235.101	ug/L	0.270
Si	28		44442952.150	ug/L	
P	31	211.822744	107121.511	ug/L	6.644
S	32		73581587.563	ug/L	
Cl	35		11443403.960	ug/L	
K	39	18562.811475	211863910.698	ug/L	189.584
Ca	44	44295.292012	18084770.249	ug/L	19.026
Sc	45		233262.880	ug/L	
Ti	47	2.692425	2881.485	ug/L	0.026
Ti	48	26.483905	281852.276	ug/L	2.225
V	51	0.194798	24235.843	ug/L	0.051
ClO	51		24900.978	ug/L	
Cr	52	3.216737	44912.150	ug/L	0.078
Cr	53	3.391405	11679.615	ug/L	0.133
Fe	54	31181.277590	24387159.600	ug/L	398.892
Mn	55	835.905714	13055529.130	ug/L	9.083
Fe	56	31819.660690	415210689.732	ug/L	296.486
Fe	57	30024.616438	9994763.339	ug/L	213.364
Co	59	6.754313	84318.740	ug/L	0.114
Ni	60	18.475546	48386.585	ug/L	0.397
Ni	62	16.682039	6598.460	ug/L	0.235
Cu	63	2.477880	15044.255	ug/L	0.041
Zn	64	11.378244	32922.842	ug/L	0.132
Cu	65	1.652495	4910.041	ug/L	0.024
Zn	66	11.182275	18937.226	ug/L	0.198
Zn	68	12.297407	14477.664	ug/L	0.214
Ge	72		143470.003	ug/L	
As	75	31.680351	45247.263	ug/L	0.138
ArCl	77		785.708	ug/L	
Se	78	-1.411896	10131.301	ug/L	0.606
Br	79		110271.402	ug/L	

Br	81		136820.265	ug/L	
Se	82	1.996243	293.695	ug/L	0.112
Y	89		341549.984	ug/L	
Mo	95	6.961312	53167.216	ug/L	0.118
Rh	103		296887.351	ug/L	
Ag	107	0.018212	568.023	ug/L	0.003
Ag	109	0.018770	522.020	ug/L	0.001
Cd	111	0.061093	241.339	ug/L	0.007
Cd	114	0.054491	522.687	ug/L	0.006
In	115		355620.320	ug/L	
Sb	121	0.134029	1039.070	ug/L	0.006
Sb	123	0.131162	790.025	ug/L	0.012
Ba	137	48.980424	155338.132	ug/L	1.049
Ba	138	49.131327	999424.421	ug/L	0.885
Tb	159		422784.319	ug/L	
Ho	165		413069.477	ug/L	
Hg	200	0.003172	12.333	ug/L	0.004
Hg	202	0.001132	13.667	ug/L	0.002
Tl	205	0.011568	802.377	ug/L	0.000
Pb	208	0.479672	16915.973	ug/L	0.012
Bi	209		341681.262	ug/L	
Se	77	1.935257	785.375	ug/L	0.236

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		102.463
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 84.072
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 82.410
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 84.577
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 94623.15 MS
Sample Date/Time: Thursday, November 18, 2010 20:47:57
Autosampler Position: 94
Sample Description: pre
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.15 MS.54676

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10704.966	ug/L	
Be	9	915.693441	354558.433	ug/L	1.050
B	10	204.830045	23158.023	ug/L	0.824
B	11	201.930296	122286.861	ug/L	0.418
C	12		1821385.125	ug/L	
Na	23	S	S	ug/L	S
Mg	24	31156.747672	162839425.213	ug/L	78.135
Mg	25	31434.884050	23339825.426	ug/L	305.279
Al	27	9886.395017	78406045.917	ug/L	11.918
Si	28		43459378.619	ug/L	
P	31	9151.048219	4010327.464	ug/L	125.631
S	32		75648274.988	ug/L	
Cl	35		13422541.984	ug/L	
K	39	28269.173744	310665214.484	ug/L	201.619
Ca	44	54015.645815	21261403.950	ug/L	218.295
Sc	45		224914.955	ug/L	
Ti	47	23.511262	23049.090	ug/L	0.571
Ti	48	34.643062	355789.244	ug/L	0.755
V	51	837.339511	10828583.849	ug/L	5.461
ClO	51		11052569.179	ug/L	
Cr	52	812.930030	8716358.606	ug/L	2.882
Cr	53	847.007712	1063723.133	ug/L	2.150
Fe	54	40902.888928	30825333.841	ug/L	527.099
Mn	55	1707.268204	25685450.081	ug/L	11.656
Fe	56	41147.728836	516884879.609	ug/L	333.814
Fe	57	38770.620787	12441339.602	ug/L	437.867
Co	59	775.398867	9257319.958	ug/L	1.677
Ni	60	778.164057	1961094.225	ug/L	1.976
Ni	62	777.411157	294265.413	ug/L	3.449
Cu	63	690.382786	3992333.116	ug/L	4.609
Zn	64	706.016814	1926320.766	ug/L	1.433
Cu	65	694.089405	1958944.527	ug/L	14.718
Zn	66	731.023438	1166456.030	ug/L	4.622
Zn	68	749.129869	830143.693	ug/L	6.018
Ge	72		143455.007	ug/L	
As	75	988.860291	1412024.795	ug/L	2.012
ArCl	77		99982.817	ug/L	
Se	78	956.103297	327006.024	ug/L	4.340
Br	79		92299.161	ug/L	

Br	81		115412.560	ug/L	
Se	82	924.730435	137795.464	ug/L	3.293
Y	89		330419.153	ug/L	
Mo	95	425.668121	3246803.193	ug/L	1.499
Rh	103		288403.274	ug/L	
Ag	107	99.052955	810287.621	ug/L	4.921
Ag	109	101.990008	793780.043	ug/L	1.539
Cd	111	1008.826376	1976186.368	ug/L	10.358
Cd	114	968.175392	4423666.145	ug/L	3.931
In	115		345833.975	ug/L	
Sb	121	1055.123339	6543889.789	ug/L	3.085
Sb	123	1050.684102	4978176.360	ug/L	7.038
Ba	137	1063.270365	3279095.520	ug/L	0.974
Ba	138	1062.541438	21018335.802	ug/L	2.784
Tb	159		405738.001	ug/L	
Ho	165		400346.752	ug/L	
Hg	200	1.069710	1727.515	ug/L	0.004
Hg	202	1.091042	2257.303	ug/L	0.026
Tl	205	953.376177	20086320.266	ug/L	1.372
Pb	208	930.335768	27378419.344	ug/L	0.058
Bi	209		324347.607	ug/L	
Se	77	851.724448	99154.125	ug/L	3.359

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		98.796
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

84.063

80.142

81.972

Sample ID: 94623.15 MSD
Sample Date/Time: Thursday, November 18, 2010 20:54:31
Autosampler Position: 95
Sample Description: pre
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.15 MSD.54677

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10425.976	ug/L	
Be	9	913.443914	348687.350	ug/L	15.206
B	10	203.977558	22737.961	ug/L	0.919
B	11	201.563507	120349.607	ug/L	0.545
C	12		1816868.307	ug/L	
Na	23	84288.903677	636477582.502	ug/L	1726.877
Mg	24	31342.204670	161502643.288	ug/L	57.176
Mg	25	31007.886575	22699431.479	ug/L	281.292
Al	27	9772.547864	76411569.541	ug/L	0.576
Si	28		43192235.191	ug/L	
P	31	9066.401571	3917328.273	ug/L	94.089
S	32		75184835.990	ug/L	
Cl	35		13194173.772	ug/L	
K	39	28405.275883	307764832.095	ug/L	57.109
Ca	44	54313.243016	21077520.547	ug/L	56.425
Sc	45		221746.560	ug/L	
Ti	47	23.034975	22266.459	ug/L	0.056
Ti	48	33.487403	339048.319	ug/L	0.764
V	51	840.900312	10721359.761	ug/L	2.910
ClO	51		10983674.477	ug/L	
Cr	52	816.951353	8635838.891	ug/L	8.044
Cr	53	845.389093	1046711.502	ug/L	8.794
Fe	54	40655.293954	30207529.661	ug/L	301.777
Mn	55	1707.833420	25331323.001	ug/L	21.992
Fe	56	41148.413285	509600481.543	ug/L	504.663
Fe	57	38702.643421	12244531.682	ug/L	308.694
Co	59	778.987753	9168953.553	ug/L	6.696
Ni	60	772.151870	1918459.817	ug/L	8.645
Ni	62	776.026686	289590.756	ug/L	9.725
Cu	63	695.552595	3965498.187	ug/L	1.466
Zn	64	714.500911	1922013.479	ug/L	1.113
Cu	65	712.392825	1982264.842	ug/L	10.025
Zn	66	731.387291	1150530.694	ug/L	11.645
Zn	68	746.400047	815420.021	ug/L	11.697
Ge	72		140130.417	ug/L	
As	75	991.620537	1383139.633	ug/L	6.730
ArCl	77		98149.996	ug/L	
Se	78	963.910075	321949.246	ug/L	0.890
Br	79		89795.776	ug/L	

Br	81		112967.925	ug/L	
Se	82	931.510552	135588.246	ug/L	0.899
Y	89		325335.038	ug/L	
Mo	95	435.121241	3241991.010	ug/L	2.096
Rh	103		283139.126	ug/L	
Ag	107	48.838663	392181.997	ug/L	2.127
Ag	109	47.879550	365837.900	ug/L	0.213
Cd	111	1015.811277	1952427.522	ug/L	16.026
Cd	114	984.852513	4415532.410	ug/L	5.021
In	115		339359.662	ug/L	
Sb	121	1066.504172	6490559.008	ug/L	3.664
Sb	123	1064.529840	4949202.564	ug/L	8.479
Ba	137	1074.129835	3250443.447	ug/L	7.948
Ba	138	1078.684183	20937465.175	ug/L	6.507
Tb	159		399190.013	ug/L	
Ho	165		387402.019	ug/L	
Hg	200	1.040016	1624.828	ug/L	0.045
Hg	202	1.091260	2184.618	ug/L	0.014
Tl	205	971.375401	19802468.755	ug/L	7.257
Pb	208	960.069998	27338159.568	ug/L	6.866
Bi	209		320362.339	ug/L	
Se	77	832.166994	96890.220	ug/L	2.482

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		97.405
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 82.115
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 78.642
Sb
Sb
Ba
Ba
Tb
> Ho 79.321
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 94623.16
Sample Date/Time: Thursday, November 18, 2010 21:49:05
Autosampler Position: 99
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.16.54685

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11142.826	ug/L	
Be	9	0.021960	14.000	ug/L	0.005
B	10	193.724143	23400.987	ug/L	3.886
B	11	193.333654	125067.405	ug/L	2.289
C	12		901321.179	ug/L	
Na	23	70419.638970	575816056.458	ug/L	229.888
Mg	24	20311.312531	113326645.776	ug/L	53.139
Mg	25	20329.123529	16113977.473	ug/L	427.599
Al	27	7.003066	65508.390	ug/L	0.088
Si	28		44064094.197	ug/L	
P	31	202.043162	105718.586	ug/L	6.334
S	32		73887206.794	ug/L	
Cl	35		10941583.847	ug/L	
K	39	17748.579376	208566000.696	ug/L	268.535
Ca	44	43011.169038	18076271.786	ug/L	884.545
Sc	45		240105.460	ug/L	
Ti	47	2.378038	2639.410	ug/L	0.039
Ti	48	30.794217	337512.354	ug/L	8.277
V	51	-0.033379	21806.340	ug/L	0.000
ClO	51		22440.219	ug/L	
Cr	52	0.431447	14385.041	ug/L	0.009
Cr	53	0.177649	7743.040	ug/L	0.027
Fe	54	29635.019721	23863204.361	ug/L	454.384
Mn	55	815.861982	13117681.393	ug/L	3.681
Fe	56	30066.150943	404028906.714	ug/L	156.761
Fe	57	28432.216524	9743263.436	ug/L	110.416
Co	59	5.327613	68617.335	ug/L	0.011
Ni	60	15.119513	40783.015	ug/L	0.010
Ni	62	13.723135	5597.112	ug/L	0.159
Cu	63	1.906157	11957.645	ug/L	0.008
Zn	64	1.989309	6553.422	ug/L	0.027
Cu	65	1.114012	3432.015	ug/L	0.009
Zn	66	1.576299	3137.573	ug/L	0.040
Zn	68	2.895886	3786.493	ug/L	0.030
Ge	72		147290.300	ug/L	
As	75	29.860840	43784.841	ug/L	0.203
ArCl	77		747.705	ug/L	
Se	78	-1.900849	10235.760	ug/L	0.474
Br	79		105010.419	ug/L	

Br	81		130520.264	ug/L	
Se	82	1.926030	290.507	ug/L	0.282
Y	89		351919.915	ug/L	
Mo	95	6.348769	49787.814	ug/L	0.158
Rh	103		302597.673	ug/L	
Ag	107	0.061687	950.059	ug/L	0.010
Ag	109	0.060525	871.051	ug/L	0.010
Cd	111	0.025042	171.670	ug/L	0.000
Cd	114	0.014403	340.010	ug/L	0.008
In	115		361590.248	ug/L	
Sb	121	0.165306	1259.767	ug/L	0.003
Sb	123	0.158865	939.998	ug/L	0.001
Ba	137	48.025891	154872.280	ug/L	0.963
Ba	138	47.905935	990871.606	ug/L	0.879
Tb	159		433344.506	ug/L	
Ho	165		421069.102	ug/L	
Hg	200	0.005212	16.000	ug/L	0.000
Hg	202	0.001472	14.667	ug/L	0.001
Tl	205	0.021050	1027.735	ug/L	0.002
Pb	208	0.065947	4439.466	ug/L	0.003
Bi	209		351271.720	ug/L	
Se	77	1.762464	765.373	ug/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		105.469
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	86.310
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.793
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	86.215
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.17
Sample Date/Time: Thursday, November 18, 2010 21:55:41
Autosampler Position: 100
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.17.54686

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10833.122	ug/L	
Be	9	0.026679	15.667	ug/L	0.001
B	10	201.621546	23910.978	ug/L	1.161
B	11	198.683445	126207.951	ug/L	0.189
C	12		943211.384	ug/L	
Na	23	73687.297544	591903056.093	ug/L	536.818
Mg	24	21517.595764	117936627.289	ug/L	62.517
Mg	25	21025.490596	16371078.078	ug/L	218.346
Al	27	9.046904	81343.810	ug/L	0.243
Si	28		44850953.022	ug/L	
P	31	202.863747	104224.410	ug/L	1.698
S	32		72672245.096	ug/L	
Cl	35		11166364.498	ug/L	
K	39	18119.889855	209149215.550	ug/L	14.025
Ca	44	44568.249194	18399463.323	ug/L	247.693
Sc	45		235865.979	ug/L	
Ti	47	2.493215	2710.431	ug/L	0.023
Ti	48	25.404662	273478.573	ug/L	0.056
V	51	-0.016983	21643.619	ug/L	0.013
ClO	51		22294.527	ug/L	
Cr	52	1.165123	22372.411	ug/L	0.001
Cr	53	1.031063	8722.937	ug/L	0.041
Fe	54	29736.054269	23521096.245	ug/L	111.460
Mn	55	829.756948	13104914.214	ug/L	3.585
Fe	56	29937.239017	395195994.092	ug/L	309.449
Fe	57	28476.405314	9585983.533	ug/L	170.903
Co	59	3.686819	46864.622	ug/L	0.007
Ni	60	13.848905	36705.320	ug/L	0.046
Ni	62	12.791516	5128.164	ug/L	0.383
Cu	63	3.209061	19647.070	ug/L	0.017
Zn	64	11.523891	33708.104	ug/L	0.105
Cu	65	2.475486	7400.752	ug/L	0.044
Zn	66	11.475926	19641.392	ug/L	0.015
Zn	68	12.739446	15153.771	ug/L	0.080
Ge	72		147630.391	ug/L	
As	75	26.895021	39528.636	ug/L	0.082
ArCl	77		748.038	ug/L	
Se	78	-2.001228	10225.768	ug/L	0.011
Br	79		104212.303	ug/L	

Br	81		129965.374	ug/L	
Se	82	1.672349	252.415	ug/L	0.068
Y	89		347046.031	ug/L	
Mo	95	5.658786	44491.386	ug/L	0.032
Rh	103		300519.753	ug/L	
Ag	107	0.032925	701.701	ug/L	0.008
Ag	109	0.031004	628.695	ug/L	0.005
Cd	111	0.030338	182.004	ug/L	0.003
Cd	114	0.026765	397.679	ug/L	0.002
In	115		360588.273	ug/L	
Sb	121	0.133217	1048.738	ug/L	0.012
Sb	123	0.131963	804.614	ug/L	0.010
Ba	137	48.487190	155946.428	ug/L	0.462
Ba	138	48.226636	994866.066	ug/L	0.127
Tb	159		427363.907	ug/L	
Ho	165		420451.327	ug/L	
Hg	200	0.004233	14.333	ug/L	0.001
Hg	202	0.001323	14.333	ug/L	0.001
Tl	205	0.014450	880.385	ug/L	0.001
Pb	208	0.621695	21606.985	ug/L	0.014
Bi	209		350706.180	ug/L	
Se	77	1.503276	735.370	ug/L	0.122

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌜	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		103.607
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

86.510

83.561

86.088

Sample ID: 94623.18
Sample Date/Time: Thursday, November 18, 2010 22:02:18
Autosampler Position: 101
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.18.54687

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10915.886	ug/L	
Be	9	0.019906	13.000	ug/L	0.008
B	10	198.780526	23738.526	ug/L	1.790
B	11	197.185393	126120.867	ug/L	2.700
C	12		948754.541	ug/L	
Na	23	71414.098073	577512970.697	ug/L	442.853
Mg	24	21008.705816	115928072.997	ug/L	38.891
Mg	25	20801.720084	16306649.955	ug/L	178.591
Al	27	11.202133	99942.977	ug/L	0.058
Si	28		43945093.943	ug/L	
P	31	204.331484	105603.892	ug/L	7.057
S	32		74558567.073	ug/L	
Cl	35		10937438.221	ug/L	
K	39	17958.812753	208704612.298	ug/L	201.071
Ca	44	43443.241184	18056567.017	ug/L	56.085
Sc	45		237462.735	ug/L	
Ti	47	2.633026	2872.482	ug/L	0.023
Ti	48	30.511551	330670.422	ug/L	6.834
V	51	-0.019584	21754.215	ug/L	0.005
ClO	51		22511.397	ug/L	
Cr	52	1.050274	21224.417	ug/L	0.034
Cr	53	0.726259	8380.612	ug/L	0.105
Fe	54	29536.853571	23522229.188	ug/L	122.228
Mn	55	823.238956	13090250.172	ug/L	3.021
Fe	56	30242.940117	401909123.678	ug/L	145.554
Fe	57	28622.148199	9700406.742	ug/L	121.311
Co	59	5.461489	69549.388	ug/L	0.009
Ni	60	18.047485	48123.520	ug/L	0.184
Ni	62	16.496731	6643.827	ug/L	0.198
Cu	63	1.359611	8489.716	ug/L	0.043
Zn	64	2.062445	6691.902	ug/L	0.013
Cu	65	0.565057	1758.521	ug/L	0.005
Zn	66	1.657353	3239.610	ug/L	0.010
Zn	68	3.003731	3870.863	ug/L	0.029
Ge	72		147112.819	ug/L	
As	75	27.839882	40771.973	ug/L	0.258
ArCl	77		759.706	ug/L	
Se	78	-1.409587	10389.159	ug/L	0.961
Br	79		103022.445	ug/L	

Br	81		129166.537	ug/L	
Se	82	1.546232	232.472	ug/L	0.280
Y	89		346014.528	ug/L	
Mo	95	6.175261	48376.879	ug/L	0.052
Rh	103		298880.335	ug/L	
Ag	107	0.021023	599.359	ug/L	0.001
Ag	109	0.019008	531.021	ug/L	0.009
Cd	111	0.031765	184.670	ug/L	0.001
Cd	114	0.022302	376.012	ug/L	0.004
In	115		360101.923	ug/L	
Sb	121	0.126390	1003.399	ug/L	0.008
Sb	123	0.128265	785.406	ug/L	0.007
Ba	137	48.560962	155969.809	ug/L	0.304
Ba	138	48.454731	998154.720	ug/L	0.637
Tb	159		430188.651	ug/L	
Ho	165		417907.383	ug/L	
Hg	200	0.005480	16.334	ug/L	0.000
Hg	202	-0.000037	11.333	ug/L	0.000
Tl	205	0.039981	1436.461	ug/L	0.002
Pb	208	0.127744	6304.904	ug/L	0.001
Bi	209		346159.336	ug/L	
Se	77	1.779743	767.373	ug/L	0.236

QC Calculated Values

Analyte	QC Std % Recovery	Int Std % Recovery
Li		
Be		
B		
B		
C		
Na		
Mg		
Mg		
Al		
Si		
P		
S		
Cl		
K		
Ca		
Sc		104.308
Ti		
Ti		
V		
ClO		
Cr		
Cr		
Fe		
Mn		
Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 86.206
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 83.448
Sb
Sb
Ba
Ba
Tb
> Ho 85.567
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 94623.19
Sample Date/Time: Thursday, November 18, 2010 22:08:52
Autosampler Position: 102
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.19.54688

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10650.236	ug/L	
Be	9	0.023814	14.333	ug/L	0.003
B	10	200.122679	23450.446	ug/L	4.538
B	11	198.997170	124886.073	ug/L	5.189
C	12		930170.258	ug/L	
Na	23	72391.860976	574512843.164	ug/L	1111.552
Mg	24	21187.349690	114735564.332	ug/L	181.012
Mg	25	21163.803851	16281274.633	ug/L	468.419
Al	27	14.264263	123245.413	ug/L	0.105
Si	28		44236523.137	ug/L	
P	31	201.547725	102383.507	ug/L	1.294
S	32		74951863.953	ug/L	
Cl	35		10942062.189	ug/L	
K	39	18270.173522	208346314.383	ug/L	282.620
Ca	44	44035.592452	17961625.858	ug/L	352.165
Sc	45		233042.535	ug/L	
Ti	47	2.864916	3052.876	ug/L	0.018
Ti	48	30.907790	328742.310	ug/L	6.092
V	51	0.040308	22149.510	ug/L	0.037
ClO	51		22676.139	ug/L	
Cr	52	1.775247	28875.396	ug/L	0.031
Cr	53	1.688782	9468.356	ug/L	0.107
Fe	54	29493.150119	23050174.673	ug/L	230.250
Mn	55	824.775921	12870222.897	ug/L	14.014
Fe	56	29863.228412	389509407.863	ug/L	311.854
Fe	57	28142.383136	9360234.631	ug/L	285.610
Co	59	3.901370	48956.957	ug/L	0.015
Ni	60	15.807981	41381.048	ug/L	0.017
Ni	62	14.137854	5595.111	ug/L	0.091
Cu	63	1.347055	8255.830	ug/L	0.022
Zn	64	2.252567	7104.497	ug/L	0.014
Cu	65	0.566020	1728.515	ug/L	0.013
Zn	66	1.855950	3507.378	ug/L	0.043
Zn	68	3.147326	3963.570	ug/L	0.049
Ge	72		145812.166	ug/L	
As	75	26.865521	38997.949	ug/L	0.118
ArCl	77		728.703	ug/L	
Se	78	-1.548282	10250.555	ug/L	0.719
Br	79		103459.862	ug/L	

Br	81		129524.621	ug/L	
Se	82	1.723338	256.870	ug/L	0.167
Y	89		346469.664	ug/L	
Mo	95	5.878378	45640.738	ug/L	0.093
Rh	103		298549.731	ug/L	
Ag	107	0.005392	460.016	ug/L	0.002
Ag	109	0.003593	400.346	ug/L	0.002
Cd	111	0.029340	177.337	ug/L	0.001
Cd	114	0.017635	349.010	ug/L	0.007
In	115		355304.869	ug/L	
Sb	121	0.110951	891.386	ug/L	0.006
Sb	123	0.110052	686.094	ug/L	0.005
Ba	137	49.076937	155532.076	ug/L	0.295
Ba	138	48.886799	993708.444	ug/L	0.553
Tb	159		425526.591	ug/L	
Ho	165		413511.413	ug/L	
Hg	200	0.004180	14.000	ug/L	0.001
Hg	202	0.001274	14.000	ug/L	0.001
Tl	205	0.024689	1088.743	ug/L	0.001
Pb	208	0.108123	5642.402	ug/L	0.003
Bi	209		341249.489	ug/L	
Se	77	1.238328	704.701	ug/L	0.130

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		102.366
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	85.444
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	82.337
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	84.667
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.20
Sample Date/Time: Thursday, November 18, 2010 22:15:22
Autosampler Position: 103
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.20.54689

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10680.938	ug/L	
Be	9	0.028449	16.334	ug/L	0.001
B	10	202.341505	23916.324	ug/L	0.838
B	11	202.790592	128358.094	ug/L	0.037
C	12		959936.164	ug/L	
Na	23	72977.953072	584281679.483	ug/L	658.202
Mg	24	21081.486789	115170638.382	ug/L	314.861
Mg	25	21243.690810	16487408.633	ug/L	265.306
Al	27	13.132865	114947.022	ug/L	0.297
Si	28		45062239.188	ug/L	
P	31	206.337934	105475.829	ug/L	6.957
S	32		75365201.438	ug/L	
Cl	35		20024053.529	ug/L	
K	39	18451.377284	212266668.938	ug/L	404.273
Ca	44	44221.511814	18196625.015	ug/L	504.836
Sc	45		235092.986	ug/L	
Ti	47	2.758920	2971.849	ug/L	0.039
Ti	48	25.867264	277544.004	ug/L	0.942
V	51	0.943890	34536.498	ug/L	0.035
ClO	51		35699.022	ug/L	
Cr	52	1.069419	21227.361	ug/L	0.014
Cr	53	4.181160	12802.474	ug/L	0.294
Fe	54	29145.807556	22980409.237	ug/L	115.509
Mn	55	819.285360	12897516.407	ug/L	3.116
Fe	56	29507.091142	388288575.225	ug/L	293.463
Fe	57	27948.916634	9377848.870	ug/L	161.947
Co	59	3.711138	47014.393	ug/L	0.007
Ni	60	14.718473	38874.997	ug/L	0.074
Ni	62	13.235541	5287.257	ug/L	0.169
Cu	63	1.448150	8939.816	ug/L	0.011
Zn	64	2.545409	8002.133	ug/L	0.058
Cu	65	0.623585	1913.554	ug/L	0.014
Zn	66	2.152079	4031.934	ug/L	0.066
Zn	68	3.546359	4460.472	ug/L	0.047
Ge	72		146891.904	ug/L	
As	75	27.117524	39656.396	ug/L	0.074
ArCl	77		1251.099	ug/L	
Se	78	-2.028519	10165.366	ug/L	0.047
Br	79		119822.431	ug/L	

Br	81		146321.166	ug/L	
Se	82	1.901206	286.084	ug/L	0.005
Y	89		346523.547	ug/L	
Mo	95	5.715572	44712.132	ug/L	0.020
Rh	103		297190.311	ug/L	
Ag	107	0.013725	533.688	ug/L	0.002
Ag	109	0.018995	527.021	ug/L	0.001
Cd	111	0.029060	178.004	ug/L	0.005
Cd	114	0.022407	374.011	ug/L	0.006
In	115		357744.511	ug/L	
Sb	121	0.114089	917.722	ug/L	0.007
Sb	123	0.117685	728.310	ug/L	0.011
Ba	137	50.497459	161132.412	ug/L	0.122
Ba	138	50.170586	1026797.987	ug/L	0.093
Tb	159		425707.727	ug/L	
Ho	165		415832.778	ug/L	
Hg	200	0.003927	13.667	ug/L	0.001
Hg	202	-0.000007	11.333	ug/L	0.000
Tl	205	0.029531	1200.758	ug/L	0.001
Pb	208	0.163129	7355.897	ug/L	0.004
Bi	209		342362.337	ug/L	
Se	77	5.805914	1233.429	ug/L	0.375

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
[	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
\>	Sc		103.267
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	86.077
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	82.902
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	85.142
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.21
Sample Date/Time: Thursday, November 18, 2010 22:21:53
Autosampler Position: 104
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.21.54690

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10425.975	ug/L	
Be	9	0.030081	17.000	ug/L	0.011
B	10	202.800064	23987.512	ug/L	1.521
B	11	204.138167	129295.588	ug/L	1.488
C	12		911391.038	ug/L	
Na	23	74843.193708	599667596.685	ug/L	617.370
Mg	24	21609.588970	118141765.831	ug/L	127.075
Mg	25	21517.881629	16712691.103	ug/L	106.717
Al	27	14.221179	124066.566	ug/L	0.137
Si	28		44972381.853	ug/L	
P	31	230.390728	116550.711	ug/L	3.473
S	32		72877661.301	ug/L	
Cl	35		11685723.800	ug/L	
K	39	18508.390932	213072185.418	ug/L	170.524
Ca	44	43262.420323	17815318.991	ug/L	226.916
Sc	45		235270.834	ug/L	
Ti	47	2.896509	3114.231	ug/L	0.030
Ti	48	28.010258	300828.431	ug/L	0.355
V	51	0.106213	23251.930	ug/L	0.002
ClO	51		23603.171	ug/L	
Cr	52	0.862223	18921.464	ug/L	0.040
Cr	53	0.935218	8575.463	ug/L	0.146
Fe	54	26160.852045	20649639.416	ug/L	174.798
Mn	55	758.791781	11956183.487	ug/L	2.680
Fe	56	26632.929566	351028531.140	ug/L	166.665
Fe	57	25206.970423	8465422.016	ug/L	22.208
Co	59	3.380517	42920.844	ug/L	0.020
Ni	60	13.721634	36276.598	ug/L	0.094
Ni	62	12.331348	4933.388	ug/L	0.006
Cu	63	1.320399	8173.755	ug/L	0.001
Zn	64	1.671076	5513.571	ug/L	0.020
Cu	65	0.505388	1566.151	ug/L	0.010
Zn	66	1.298169	2610.401	ug/L	0.007
Zn	68	2.959662	3784.159	ug/L	0.022
Ge	72		146435.296	ug/L	
As	75	28.083137	40941.263	ug/L	0.353
ArCl	77		779.375	ug/L	
Se	78	-1.738244	10231.877	ug/L	0.101
Br	79		122382.997	ug/L	

Br	81		149092.305	ug/L	
Se	82	2.059105	309.210	ug/L	0.014
Y	89		346798.122	ug/L	
Mo	95	5.133098	40037.374	ug/L	0.060
Rh	103		296025.319	ug/L	
Ag	107	-0.004286	379.345	ug/L	0.002
Ag	109	-0.005859	325.342	ug/L	0.002
Cd	111	0.019746	158.336	ug/L	0.007
Cd	114	0.014291	333.676	ug/L	0.005
In	115		355822.213	ug/L	
Sb	121	0.095497	794.043	ug/L	0.001
Sb	123	0.090767	593.262	ug/L	0.007
Ba	137	61.948272	196596.353	ug/L	0.182
Ba	138	61.611360	1254081.949	ug/L	0.446
Tb	159		424651.800	ug/L	
Ho	165		417305.745	ug/L	
Hg	200	0.005292	16.000	ug/L	0.002
Hg	202	-0.000180	11.000	ug/L	0.002
Tl	205	0.024614	1097.077	ug/L	0.000
Pb	208	0.141375	6714.023	ug/L	0.002
Bi	209		349861.064	ug/L	
Se	77	1.987095	791.376	ug/L	0.000

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		103.345
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	85.809
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	82.457
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	85.444
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.22
Sample Date/Time: Thursday, November 18, 2010 22:28:24
Autosampler Position: 105
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.22.54691

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10348.553	ug/L	
Be	9	0.330358	130.336	ug/L	0.004
B	10	22.157850	2749.777	ug/L	0.224
B	11	23.334641	15384.828	ug/L	0.182
C	12		800394.507	ug/L	
Na	23	10862.118166	81858216.574	ug/L	210.931
Mg	24	4680.518802	24059820.385	ug/L	13.378
Mg	25	4699.530428	3431895.348	ug/L	14.427
Al	27	18.039753	146427.706	ug/L	0.067
Si	28		26109627.244	ug/L	
P	31	867.640062	383506.826	ug/L	9.302
S	32		75931348.538	ug/L	
Cl	35		9712724.492	ug/L	
K	39	1491.255946	16913680.265	ug/L	10.741
Ca	44	11626.139792	4509975.841	ug/L	36.687
Sc	45		221201.475	ug/L	
Ti	47	3.438171	3446.688	ug/L	0.110
Ti	48	10.693543	107667.843	ug/L	0.434
V	51	1.675343	41780.553	ug/L	0.056
ClO	51		42907.114	ug/L	
Cr	52	1.158882	20915.707	ug/L	0.015
Cr	53	0.779205	7871.485	ug/L	0.048
Fe	54	34665.669073	25704499.242	ug/L	278.623
Mn	55	344.055280	5110612.113	ug/L	2.299
Fe	56	35285.555648	436338923.929	ug/L	181.007
Fe	57	33196.367160	10478438.336	ug/L	83.267
Co	59	0.093083	1757.187	ug/L	0.001
Ni	60	2.365196	5961.680	ug/L	0.009
Ni	62	1.984906	787.375	ug/L	0.007
Cu	63	10.660443	60801.594	ug/L	0.090
Zn	64	21.803453	59186.819	ug/L	0.211
Cu	65	10.538002	29320.166	ug/L	0.060
Zn	66	21.952089	34854.369	ug/L	0.094
Zn	68	21.892203	24182.697	ug/L	0.097
Ge	72		152158.823	ug/L	
As	75	1.587272	2411.215	ug/L	0.009
ArCl	77		542.022	ug/L	
Se	78	-2.369808	10410.365	ug/L	0.354
Br	79		31831.664	ug/L	

Br	81		53103.285	ug/L	
Se	82	0.464045	69.182	ug/L	0.018
Y	89		359779.047	ug/L	
Mo	95	0.430990	3562.067	ug/L	0.004
Rh	103		315786.255	ug/L	
Ag	107	0.094836	1274.769	ug/L	0.000
Ag	109	0.092375	1167.753	ug/L	0.005
Cd	111	0.101305	339.010	ug/L	0.000
Cd	114	0.094649	747.372	ug/L	0.012
In	115		373885.944	ug/L	
Sb	121	0.075734	702.034	ug/L	0.005
Sb	123	0.071905	526.766	ug/L	0.007
Ba	137	1.704888	5722.858	ug/L	0.039
Ba	138	1.705380	36677.939	ug/L	0.028
Tb	159		441015.703	ug/L	
Ho	165		426101.267	ug/L	
Hg	200	0.044035	82.668	ug/L	0.008
Hg	202	0.031960	81.668	ug/L	0.003
Tl	205	-0.002837	504.686	ug/L	0.001
Pb	208	0.348920	13355.619	ug/L	0.007
Bi	209		380209.633	ug/L	
Se	77	-0.086394	551.356	ug/L	0.277

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		97.165
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	89.163
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
=	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	86.643
	Sb	
	Sb	
	Ba	
	Ba	
=	Tb	
>	Ho	87.245
	Hg	
	Hg	
	Tl	
	Pb	
L	Bi	
	Se	

Sample ID: 94623.23
Sample Date/Time: Thursday, November 18, 2010 22:34:55
Autosampler Position: 106
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.23.54692

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10160.342	ug/L	
Be	9	0.139180	57.001	ug/L	0.009
B	10	22.437451	2752.111	ug/L	1.249
B	11	23.285582	15205.191	ug/L	0.167
C	12		807998.241	ug/L	
Na	23	11622.195670	86734213.322	ug/L	97.959
Mg	24	5235.400938	26647721.987	ug/L	33.161
Mg	25	5165.922944	3735607.360	ug/L	3.220
Al	27	5.990876	51939.804	ug/L	0.059
Si	28		24120622.992	ug/L	
P	31	150.214512	74363.661	ug/L	4.662
S	32		75983955.127	ug/L	
Cl	35		9785472.264	ug/L	
K	39	1649.067790	18432114.790	ug/L	7.881
Ca	44	13159.095616	5052877.634	ug/L	108.871
Sc	45		219041.145	ug/L	
Ti	47	1.669381	1732.852	ug/L	0.372
Ti	48	11.639135	116076.912	ug/L	0.120
V	51	0.355352	24781.321	ug/L	0.015
ClO	51		25531.059	ug/L	
Cr	52	7.015928	81807.037	ug/L	0.030
Cr	53	6.893696	15222.554	ug/L	0.094
Fe	54	16049.359970	11820315.013	ug/L	60.283
Mn	55	664.247623	9747226.037	ug/L	2.650
Fe	56	16259.729139	200619630.320	ug/L	38.232
Fe	57	15564.854012	4870452.812	ug/L	99.635
Co	59	0.276173	3868.195	ug/L	0.005
Ni	60	8.694978	21435.790	ug/L	0.106
Ni	62	8.270690	3095.558	ug/L	0.276
Cu	63	4.640019	26301.255	ug/L	0.060
Zn	64	17.618316	47487.194	ug/L	0.223
Cu	65	4.506226	12453.649	ug/L	0.050
Zn	66	17.667229	27854.218	ug/L	0.277
Zn	68	17.590122	19303.332	ug/L	0.252
Ge	72		150639.262	ug/L	
As	75	0.555376	839.383	ug/L	0.051
ArCl	77		558.356	ug/L	
Se	78	-1.947128	10452.686	ug/L	0.126
Br	79		30369.364	ug/L	

Br	81		52704.241	ug/L	
Se	82	0.615355	92.166	ug/L	0.008
Y	89		361725.526	ug/L	
Mo	95	0.730346	5924.323	ug/L	0.005
Rh	103		320233.496	ug/L	
Ag	107	-0.002594	420.014	ug/L	0.000
Ag	109	0.002950	422.347	ug/L	0.003
Cd	111	0.215212	589.358	ug/L	0.002
Cd	114	0.219598	1386.120	ug/L	0.014
In	115		379788.373	ug/L	
Sb	121	0.077484	725.036	ug/L	0.006
Sb	123	0.077385	563.514	ug/L	0.006
Ba	137	1.100508	3767.151	ug/L	0.011
Ba	138	1.103286	24180.274	ug/L	0.006
Tb	159		446494.585	ug/L	
Ho	165		435846.154	ug/L	
Hg	200	0.010421	25.667	ug/L	0.004
Hg	202	0.008220	30.334	ug/L	0.001
Tl	205	0.000134	584.358	ug/L	0.000
Pb	208	0.191472	8617.375	ug/L	0.001
Bi	209		386678.105	ug/L	
Se	77	-0.100793	549.689	ug/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		96.216
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	88.273
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	88.011
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	89.240
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.24
Sample Date/Time: Thursday, November 18, 2010 23:09:40
Autosampler Position: 107
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.24.54697

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10528.761	ug/L	
Be	9	0.226706	92.001	ug/L	0.040
B	10	20.853918	2642.410	ug/L	0.240
B	11	21.866695	14720.725	ug/L	0.194
C	12		806041.678	ug/L	
Na	23	11667.299294	89117472.528	ug/L	4.368
Mg	24	5126.885090	26713095.808	ug/L	27.608
Mg	25	5134.663585	3800467.404	ug/L	22.586
Al	27	9.074170	77533.618	ug/L	0.174
Si	28		26051341.405	ug/L	
P	31	243.342725	116719.679	ug/L	3.367
S	32		75951389.144	ug/L	
Cl	35		10038674.373	ug/L	
K	39	1653.928767	18919339.474	ug/L	17.754
Ca	44	13140.978654	5165315.628	ug/L	12.866
Sc	45		224205.963	ug/L	
Ti	47	1.731733	1836.871	ug/L	0.075
Ti	48	12.269231	125267.096	ug/L	0.271
V	51	0.570491	28132.749	ug/L	0.007
ClO	51		28741.662	ug/L	
Cr	52	3.891339	50371.736	ug/L	0.059
Cr	53	3.632489	11526.084	ug/L	0.089
Fe	54	25798.975978	19406007.323	ug/L	293.964
Mn	55	696.563577	10461321.825	ug/L	2.737
Fe	56	26136.422645	328334383.345	ug/L	69.257
Fe	57	24619.347669	7878696.782	ug/L	379.531
Co	59	0.359420	4950.731	ug/L	0.002
Ni	60	7.580933	19144.663	ug/L	0.018
Ni	62	7.085686	2722.435	ug/L	0.018
Cu	63	6.924062	40090.278	ug/L	0.003
Zn	64	22.513418	61921.700	ug/L	0.034
Cu	65	6.727567	18997.687	ug/L	0.021
Zn	66	22.578810	36322.113	ug/L	0.216
Zn	68	22.571946	25262.980	ug/L	0.176
Ge	72		158008.006	ug/L	
As	75	0.673523	1067.042	ug/L	0.072
ArCl	77		583.025	ug/L	
Se	78	-2.107637	10905.902	ug/L	0.135
Br	79		24513.670	ug/L	

Br	81		46749.474	ug/L	
Se	82	0.436687	67.359	ug/L	0.000
Y	89		371905.501	ug/L	
Mo	95	0.711636	6056.744	ug/L	0.004
Rh	103		323845.968	ug/L	
Ag	107	0.110490	1470.800	ug/L	0.002
Ag	109	0.106463	1338.779	ug/L	0.004
Cd	111	0.339637	878.051	ug/L	0.007
Cd	114	0.334392	2010.576	ug/L	0.001
In	115		389124.255	ug/L	
Sb	121	0.197255	1578.486	ug/L	0.000
Sb	123	0.204752	1256.252	ug/L	0.000
Ba	137	1.155063	4048.942	ug/L	0.003
Ba	138	1.148879	25788.879	ug/L	0.017
Tb	159		452480.674	ug/L	
Ho	165		436025.072	ug/L	
Hg	200	0.017630	38.334	ug/L	0.002
Hg	202	0.010591	35.667	ug/L	0.002
Tl	205	0.008364	773.374	ug/L	0.001
Pb	208	0.201966	8956.821	ug/L	0.004
Bi	209		390402.272	ug/L	
Se	77	0.043197	566.357	ug/L	0.208

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		98.485
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 92.591
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 90.174
Sb
Sb
Ba
Ba
Tb
> Ho 89.277
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 94623.25
Sample Date/Time: Thursday, November 18, 2010 23:16:12
Autosampler Position: 108
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.25.54698

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10301.838	ug/L	
Be	9	0.697538	278.674	ug/L	0.017
B	10	20.984759	2703.762	ug/L	0.445
B	11	21.661424	14854.944	ug/L	0.538
C	12		869889.443	ug/L	
Na	23	11364.357038	88334281.340	ug/L	181.086
Mg	24	5098.509309	27033202.104	ug/L	7.487
Mg	25	5063.647100	3814072.896	ug/L	79.300
Al	27	38.988144	319561.065	ug/L	0.123
Si	28		30833208.770	ug/L	
P	31	513.374202	238505.554	ug/L	8.192
S	32		82644951.326	ug/L	
Cl	35		10291597.450	ug/L	
K	39	1649.439378	19204163.433	ug/L	26.630
Ca	44	13347.936104	5338950.885	ug/L	156.791
Sc	45		228163.759	ug/L	
Ti	47	2.997140	3119.566	ug/L	0.015
Ti	48	13.368306	138972.065	ug/L	0.463
V	51	2.215636	50169.220	ug/L	0.033
ClO	51		51375.607	ug/L	
Cr	52	32.522960	362376.378	ug/L	0.057
Cr	53	32.656714	48461.979	ug/L	0.275
Fe	54	88665.034888	67702141.669	ug/L	1593.755
Mn	55	886.028885	13534684.832	ug/L	15.765
Fe	56	S	S	ug/L	S
Fe	57	85264.833212	27743213.214	ug/L	692.262
Co	59	3.591301	44176.852	ug/L	0.022
Ni	60	47.012178	120284.728	ug/L	0.187
Ni	62	46.258032	17809.606	ug/L	0.174
Cu	63	24.400111	143311.522	ug/L	0.057
Zn	64	132.397772	367046.644	ug/L	0.236
Cu	65	24.210821	69389.168	ug/L	0.071
Zn	66	135.349804	219440.455	ug/L	0.484
Zn	68	135.036789	152083.468	ug/L	0.905
Ge	72		170949.714	ug/L	
As	75	2.099936	3581.622	ug/L	0.040
ArCl	77		586.358	ug/L	
Se	78	-4.665212	10789.992	ug/L	0.310
Br	79		24779.326	ug/L	

Br	81		45795.200	ug/L	
Se	82	0.381027	63.139	ug/L	0.224
Y	89		375590.712	ug/L	
Mo	95	2.607486	23783.642	ug/L	0.031
Rh	103		321460.961	ug/L	
Ag	107	0.099356	1332.778	ug/L	0.008
Ag	109	0.102680	1271.769	ug/L	0.012
Cd	111	2.360892	5194.869	ug/L	0.017
Cd	114	2.401976	12312.789	ug/L	0.003
In	115		379064.275	ug/L	
Sb	121	0.634555	4510.164	ug/L	0.012
Sb	123	0.639831	3482.939	ug/L	0.025
Ba	137	2.073838	7050.137	ug/L	0.027
Ba	138	2.099211	45726.496	ug/L	0.029
Tb	159		443345.197	ug/L	
Ho	165		431218.285	ug/L	
Hg	200	0.028465	56.667	ug/L	0.005
Hg	202	0.025204	67.668	ug/L	0.002
Tl	205	0.095936	2752.111	ug/L	0.001
Pb	208	0.253613	10495.401	ug/L	0.000
Bi	209		371225.185	ug/L	
Se	77	0.342698	601.026	ug/L	0.273

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		100.223
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe	
Co	
Ni	
Ni	
Cu	
Zn	
Cu	
Zn	
Zn	
Ge	100.174
As	
ArCl	
Se	
Br	
Br	
Se	
Y	
Mo	
Rh	
Ag	
Ag	
Cd	
Cd	
In	87.843
Sb	
Sb	
Ba	
Ba	
Tb	
Ho	88.293
Hg	
Hg	
Tl	
Pb	
Bi	
Se	

Sample ID: 94623.25 MS
Sample Date/Time: Thursday, November 18, 2010 23:22:45
Autosampler Position: 109
Sample Description: pre
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.25 MS.54699

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10303.171	ug/L	
Be	9	956.235130	352760.394	ug/L	10.308
B	10	22.296952	2678.755	ug/L	0.006
B	11	22.425146	14387.521	ug/L	0.077
C	12		1672532.531	ug/L	
Na	23	23053.733833	168257678.824	ug/L	399.117
Mg	24	16140.407248	80375985.741	ug/L	20.945
Mg	25	15941.625792	11277765.003	ug/L	53.835
Al	27	10942.196764	82679235.639	ug/L	97.464
Si	28		26588056.838	ug/L	
P	31	10171.977466	4246210.768	ug/L	38.406
S	32		80620850.187	ug/L	
Cl	35		12561088.775	ug/L	
K	39	12315.009509	129403084.070	ug/L	119.675
Ca	44	23751.201464	8913137.671	ug/L	484.835
Sc	45		214299.196	ug/L	
Ti	47	23.947999	22363.697	ug/L	0.377
Ti	48	21.715462	212302.445	ug/L	0.360
V	51	923.624931	11377504.007	ug/L	19.927
ClO	51		11574576.595	ug/L	
Cr	52	912.731659	9322926.357	ug/L	12.148
Cr	53	952.947674	1139319.635	ug/L	19.955
Fe	54	49873.807510	35797028.636	ug/L	327.601
Mn	55	1772.751107	25409360.940	ug/L	24.815
Fe	56	50340.646169	601890789.199	ug/L	288.279
Fe	57	47582.208535	14545108.553	ug/L	684.135
Co	59	876.125035	9965720.249	ug/L	7.011
Ni	60	858.880519	2062220.038	ug/L	9.097
Ni	62	884.001311	318787.933	ug/L	11.936
Cu	63	808.666987	4455293.586	ug/L	9.105
Zn	64	853.901152	2219683.044	ug/L	2.332
Cu	65	800.117016	2151609.733	ug/L	4.364
Zn	66	887.401895	1348999.810	ug/L	6.187
Zn	68	903.628019	953988.635	ug/L	3.602
Ge	72		153962.220	ug/L	
As	75	957.176529	1466810.845	ug/L	8.223
ArCl	77		107362.653	ug/L	
Se	78	959.069030	351978.378	ug/L	13.989
Br	79		26133.124	ug/L	

Br	81		46219.693	ug/L	
Se	82	925.272199	147966.200	ug/L	8.141
Y	89		354944.529	ug/L	
Mo	95	409.136495	3349137.558	ug/L	3.224
Rh	103		305307.391	ug/L	
Ag	107	41.110902	358313.759	ug/L	0.327
Ag	109	41.014448	340066.386	ug/L	0.217
Cd	111	989.007712	2062587.240	ug/L	0.656
Cd	114	980.283006	4768555.195	ug/L	2.553
In	115		368193.683	ug/L	
Sb	121	1043.249658	6888679.364	ug/L	2.780
Sb	123	1044.168338	5267164.005	ug/L	3.397
Ba	137	1018.230864	3343115.566	ug/L	8.767
Ba	138	1016.744382	21412389.533	ug/L	4.007
Tb	159		431793.984	ug/L	
Ho	165		423663.194	ug/L	
Hg	200	1.011239	1728.515	ug/L	0.051
Hg	202	1.043063	2284.310	ug/L	0.024
Tl	205	986.505597	21994755.323	ug/L	2.419
Pb	208	972.035974	30271557.698	ug/L	2.866
Bi	209		358309.343	ug/L	
Se	77	913.910177	106352.537	ug/L	0.391

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		94.133
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 90.220
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 85.324
Sb
Sb
Ba
Ba
Tb
Ho 86.746
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 94623.25 MSD
Sample Date/Time: Thursday, November 18, 2010 23:29:18
Autosampler Position: 110
Sample Description: pre
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.25 MSD.54700

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10117.631	ug/L	
Be	9	970.984945	348834.839	ug/L	10.741
B	10	22.379888	2617.403	ug/L	0.331
B	11	22.775142	14204.564	ug/L	0.136
C	12		1680720.819	ug/L	
Na	23	23282.087189	165482824.025	ug/L	364.710
Mg	24	16070.144058	77927848.859	ug/L	269.355
Mg	25	16199.200324	11160102.694	ug/L	105.525
Al	27	10942.097127	80518552.899	ug/L	29.147
Si	28		26046484.252	ug/L	
P	31	10078.254059	4097139.680	ug/L	41.054
S	32		80445494.890	ug/L	
Cl	35		12379717.617	ug/L	
K	39	12463.828265	127538365.726	ug/L	14.988
Ca	44	23762.251892	8684845.634	ug/L	50.454
Sc	45		208693.649	ug/L	
Ti	47	23.594710	21457.853	ug/L	0.907
Ti	48	21.582459	205483.921	ug/L	0.333
V	51	931.056746	11170030.960	ug/L	1.639
ClO	51		11342344.266	ug/L	
Cr	52	916.186627	9113885.180	ug/L	3.040
Cr	53	950.911450	1107215.078	ug/L	12.950
Fe	54	48934.565880	34204820.065	ug/L	578.154
Mn	55	1792.515189	25021410.165	ug/L	11.847
Fe	56	49974.219631	581910891.639	ug/L	118.313
Fe	57	46940.684621	13974471.916	ug/L	283.309
Co	59	880.429068	9752753.867	ug/L	7.691
Ni	60	860.704127	2012607.982	ug/L	4.221
Ni	62	883.874058	310408.260	ug/L	11.917
Cu	63	814.275055	4369017.070	ug/L	3.302
Zn	64	853.520818	2160672.180	ug/L	1.581
Cu	65	808.387578	2117003.172	ug/L	3.858
Zn	66	887.940374	1314499.906	ug/L	9.154
Zn	68	907.235092	932734.301	ug/L	6.131
Ge	72		151552.861	ug/L	
As	75	954.459612	1439812.608	ug/L	3.126
ArCl	77		105087.611	ug/L	
Se	78	957.523321	345945.471	ug/L	9.068
Br	79		24950.463	ug/L	

Br	81		45083.705	ug/L	
Se	82	921.483817	145055.423	ug/L	9.464
Y	89		345047.732	ug/L	
Mo	95	409.590765	3300468.464	ug/L	2.138
Rh	103		298992.040	ug/L	
Ag	107	42.697860	365796.501	ug/L	0.191
Ag	109	42.867531	349360.148	ug/L	0.339
Cd	111	993.811554	2037301.482	ug/L	0.224
Cd	114	980.741946	4689570.710	ug/L	1.694
In	115		361921.051	ug/L	
Sb	121	1048.026718	6802318.339	ug/L	4.597
Sb	123	1045.357108	5183420.134	ug/L	3.591
Ba	137	1019.646782	3290817.060	ug/L	2.666
Ba	138	1021.551175	21147340.217	ug/L	1.741
Tb	159		427211.593	ug/L	
Ho	165		413564.500	ug/L	
Hg	200	1.054235	1758.854	ug/L	0.009
Hg	202	1.045378	2234.964	ug/L	0.030
Tl	205	1010.414482	21991464.119	ug/L	14.077
Pb	208	982.987024	29883255.485	ug/L	6.594
Bi	209		355555.792	ug/L	
Se	77	893.833512	104028.530	ug/L	4.766

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		91.671
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	88.808
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	83.870
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	84.678
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.26
Sample Date/Time: Thursday, November 18, 2010 23:55:36
Autosampler Position: 114
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.26.54704

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10327.196	ug/L	
Be	9	0.308603	123.002	ug/L	0.050
B	10	20.395900	2578.725	ug/L	0.517
B	11	21.170130	14234.614	ug/L	0.814
C	12		772649.312	ug/L	
Na	23	11381.780876	86517361.999	ug/L	181.583
Mg	24	5088.004050	26381718.164	ug/L	75.835
Mg	25	5088.555739	3747953.085	ug/L	144.233
Al	27	54.504391	434591.310	ug/L	0.352
Si	28		26080484.325	ug/L	
P	31	294.777428	138460.247	ug/L	0.769
S	32		75460394.313	ug/L	
Cl	35		9896766.390	ug/L	
K	39	1627.620543	18543469.924	ug/L	22.543
Ca	44	12946.189968	5064208.917	ug/L	247.806
Sc	45		223145.684	ug/L	
Ti	47	1.894082	1985.570	ug/L	0.017
Ti	48	11.917734	121133.654	ug/L	0.429
V	51	0.780584	30687.347	ug/L	0.026
ClO	51		31597.132	ug/L	
Cr	52	3.155590	42314.568	ug/L	0.060
Cr	53	2.857527	10511.846	ug/L	0.155
Fe	54	36843.601488	27549904.592	ug/L	1099.747
Mn	55	765.045989	11431476.409	ug/L	19.203
Fe	56	37580.904186	468535847.385	ug/L	1071.918
Fe	57	35407.714585	11272373.600	ug/L	779.347
Co	59	0.849326	10727.767	ug/L	0.024
Ni	60	11.216851	28144.114	ug/L	0.049
Ni	62	10.639794	4043.606	ug/L	0.164
Cu	63	11.452732	65881.197	ug/L	0.006
Zn	64	42.993944	117045.064	ug/L	0.177
Cu	65	11.380984	31936.987	ug/L	0.076
Zn	66	43.765166	69671.992	ug/L	0.787
Zn	68	43.525795	48166.075	ug/L	0.525
Ge	72		156359.870	ug/L	
As	75	1.007274	1574.958	ug/L	0.068
ArCl	77		577.024	ug/L	
Se	78	-2.855191	10522.373	ug/L	0.052
Br	79		21101.051	ug/L	

Br	81		42201.190	ug/L	
Se	82	0.484889	74.481	ug/L	0.016
Y	89		365667.360	ug/L	
Mo	95	0.780986	6570.106	ug/L	0.005
Rh	103		317468.291	ug/L	
Ag	107	0.104940	1383.786	ug/L	0.010
Ag	109	0.059777	906.721	ug/L	0.009
Cd	111	0.841369	1933.558	ug/L	0.007
Cd	114	0.842835	4507.162	ug/L	0.009
In	115		379257.360	ug/L	
Sb	121	0.324668	2405.009	ug/L	0.002
Sb	123	0.310540	1774.016	ug/L	0.006
Ba	137	1.331883	4544.181	ug/L	0.019
Ba	138	1.324042	28935.499	ug/L	0.010
Tb	159		448281.887	ug/L	
Ho	165		441444.156	ug/L	
Hg	200	0.014537	33.334	ug/L	0.003
Hg	202	0.011426	38.000	ug/L	0.001
Tl	205	0.049466	1737.850	ug/L	0.000
Pb	208	0.055931	4330.104	ug/L	0.000
Bi	209		387265.740	ug/L	
Se	77	0.259183	591.358	ug/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		98.019
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	91.625
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.887
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	90.386
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.27
Sample Date/Time: Friday, November 19, 2010 00:02:12
Autosampler Position: 115
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.27.54705

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10062.900	ug/L	
Be	9	0.489328	194.671	ug/L	0.034
B	10	21.040061	2681.757	ug/L	1.326
B	11	21.389247	14533.423	ug/L	0.250
C	12		788279.764	ug/L	
Na	23	11488.105591	88330070.635	ug/L	120.652
Mg	24	5164.178521	27085050.306	ug/L	41.835
Mg	25	5113.815947	3810437.566	ug/L	7.480
Al	27	15.372749	128180.083	ug/L	0.102
Si	28		31010494.864	ug/L	
P	31	594.988677	271717.788	ug/L	3.430
S	32		75705891.728	ug/L	
Cl	35		9839086.376	ug/L	
K	39	1615.547676	18623318.706	ug/L	23.570
Ca	44	13167.939127	5210307.489	ug/L	69.790
Sc	45		225706.449	ug/L	
Ti	47	2.788273	2881.819	ug/L	0.015
Ti	48	11.759815	120854.449	ug/L	0.155
V	51	1.271704	37402.160	ug/L	0.010
ClO	51		37928.671	ug/L	
Cr	52	4.959775	62195.753	ug/L	0.024
Cr	53	4.682706	12917.633	ug/L	0.130
Fe	54	53994.582616	40810540.687	ug/L	526.059
Mn	55	793.425880	11992130.604	ug/L	4.353
Fe	56	55588.633148	699734290.444	ug/L	4.247
Fe	57	51799.957579	16677772.254	ug/L	113.931
Co	59	0.728898	9408.294	ug/L	0.021
Ni	60	10.235938	25986.684	ug/L	0.034
Ni	62	9.637477	3709.794	ug/L	0.020
Cu	63	15.040990	87460.622	ug/L	0.030
Zn	64	38.176927	105199.476	ug/L	0.405
Cu	65	14.837368	42089.630	ug/L	0.237
Zn	66	38.695951	62362.124	ug/L	0.311
Zn	68	38.574856	43215.907	ug/L	0.438
Ge	72		158720.308	ug/L	
As	75	1.942645	3076.322	ug/L	0.045
ArCl	77		576.691	ug/L	
Se	78	-3.504202	10443.363	ug/L	0.141
Br	79		23899.006	ug/L	

Br	81		44355.432	ug/L	
Se	82	0.529421	82.933	ug/L	0.022
Y	89		363949.068	ug/L	
Mo	95	1.586343	13465.767	ug/L	0.002
Rh	103		312981.848	ug/L	
Ag	107	0.060671	978.062	ug/L	0.007
Ag	109	0.063014	926.056	ug/L	0.006
Cd	111	0.611322	1426.793	ug/L	0.017
Cd	114	0.622437	3372.993	ug/L	0.001
In	115		375931.385	ug/L	
Sb	121	0.263502	1971.567	ug/L	0.010
Sb	123	0.255059	1472.747	ug/L	0.010
Ba	137	2.556838	8610.829	ug/L	0.026
Ba	138	2.572746	55532.149	ug/L	0.006
Tb	159		443272.867	ug/L	
Ho	165		432695.690	ug/L	
Hg	200	0.031448	62.001	ug/L	0.008
Hg	202	0.019439	55.001	ug/L	0.008
Tl	205	0.034800	1369.450	ug/L	0.000
Pb	208	0.254130	10547.057	ug/L	0.006
Bi	209		380393.347	ug/L	
Se	77	0.287982	594.692	ug/L	0.253

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		99.144
	Ti		
	Ti		
	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	93.008
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.117
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	88.595
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.28
Sample Date/Time: Friday, November 19, 2010 00:08:48
Autosampler Position: 116
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.28.54706

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9826.642	ug/L	
Be	9	0.436563	173.670	ug/L	0.008
B	10	20.243162	2582.726	ug/L	0.202
B	11	21.614426	14615.886	ug/L	0.136
C	12		784955.834	ug/L	
Na	23	11452.074733	87744782.597	ug/L	194.311
Mg	24	5146.436681	26897945.922	ug/L	57.082
Mg	25	5141.978238	3817708.226	ug/L	101.082
Al	27	13.045142	109283.880	ug/L	0.056
Si	28		28399774.997	ug/L	
P	31	427.805646	197696.040	ug/L	5.419
S	32		75001965.466	ug/L	
Cl	35		10160212.980	ug/L	
K	39	1626.885523	18682285.847	ug/L	36.680
Ca	44	13150.554698	5185395.329	ug/L	66.180
Sc	45		224921.956	ug/L	
Ti	47	2.273683	2370.666	ug/L	0.036
Ti	48	11.885477	121719.387	ug/L	0.309
V	51	0.879953	32214.967	ug/L	0.020
ClO	51		32513.028	ug/L	
Cr	52	3.703185	48526.595	ug/L	0.088
Cr	53	3.410659	11286.114	ug/L	0.102
Fe	54	38899.257421	29316948.546	ug/L	769.043
Mn	55	780.966336	11762512.397	ug/L	12.747
Fe	56	39583.788708	497322559.008	ug/L	674.514
Fe	57	37198.533300	11937553.859	ug/L	186.305
Co	59	0.554761	7298.001	ug/L	0.006
Ni	60	8.187138	20733.491	ug/L	0.020
Ni	62	8.076340	3107.565	ug/L	0.709
Cu	63	11.312766	65593.106	ug/L	0.101
Zn	64	24.590216	67781.737	ug/L	0.102
Cu	65	11.037237	31219.159	ug/L	0.198
Zn	66	24.664816	39766.182	ug/L	0.164
Zn	68	24.390634	27356.038	ug/L	0.149
Ge	72		155154.205	ug/L	
As	75	1.713942	2653.801	ug/L	0.067
ArCl	77		575.691	ug/L	
Se	78	-2.738844	10482.398	ug/L	0.275
Br	79		24317.805	ug/L	

Br	81		45311.496	ug/L	
Se	82	0.522560	79.930	ug/L	0.062
Y	89		366229.849	ug/L	
Mo	95	1.339106	11123.579	ug/L	0.000
Rh	103		316411.095	ug/L	
Ag	107	0.036218	764.040	ug/L	0.005
Ag	109	0.036346	703.368	ug/L	0.001
Cd	111	0.430034	1045.071	ug/L	0.001
Cd	114	0.430085	2427.348	ug/L	0.011
In	115		377470.864	ug/L	
Sb	121	0.215411	1654.167	ug/L	0.002
Sb	123	0.204062	1215.294	ug/L	0.010
Ba	137	2.465818	8338.907	ug/L	0.056
Ba	138	2.479904	53750.630	ug/L	0.047
Tb	159		452888.649	ug/L	
Ho	165		443328.538	ug/L	
Hg	200	0.020460	44.001	ug/L	0.002
Hg	202	0.011212	37.667	ug/L	0.000
Tl	205	0.021510	1093.077	ug/L	0.000
Pb	208	0.197914	8975.068	ug/L	0.001
Bi	209		382571.374	ug/L	
Se	77	0.236145	588.692	ug/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		98.799
	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	90.918
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	87.473
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	90.772
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.29
Sample Date/Time: Friday, November 19, 2010 00:43:34
Autosampler Position: 117
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.29.54711

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10261.793	ug/L	
Be	9	0.519004	210.671	ug/L	0.002
B	10	20.142205	2635.408	ug/L	0.345
B	11	21.208056	14731.410	ug/L	0.252
C	12		787435.414	ug/L	
Na	23	11463.494321	90005931.348	ug/L	310.623
Mg	24	5483.857883	29375388.310	ug/L	21.691
Mg	25	5461.306411	4156189.828	ug/L	61.404
Al	27	372.721541	3035223.294	ug/L	1.277
Si	28		33159785.172	ug/L	
P	31	461.135505	217547.236	ug/L	0.213
S	32		73944823.535	ug/L	
Cl	35		10034329.438	ug/L	
K	39	1706.090224	20037018.108	ug/L	13.778
Ca	44	13148.640743	5313122.224	ug/L	143.102
Sc	45		230504.580	ug/L	
Ti	47	26.173458	26278.193	ug/L	0.134
Ti	48	35.480220	373461.500	ug/L	0.112
V	51	2.144391	49740.874	ug/L	0.016
ClO	51		50290.221	ug/L	
Cr	52	5.456338	68959.436	ug/L	0.166
Cr	53	5.105043	13732.835	ug/L	0.066
Fe	54	42878.042596	33112935.777	ug/L	260.066
Mn	55	804.032586	12410759.925	ug/L	1.488
Fe	56	44134.495162	567965561.107	ug/L	105.997
Fe	57	41130.970704	13526349.019	ug/L	2.412
Co	59	1.145097	14702.361	ug/L	0.003
Ni	60	9.181723	23815.057	ug/L	0.125
Ni	62	8.743447	3440.686	ug/L	0.482
Cu	63	12.485258	74167.723	ug/L	0.143
Zn	64	24.479459	69149.109	ug/L	0.406
Cu	65	12.252737	35511.244	ug/L	0.104
Zn	66	24.570619	40598.524	ug/L	0.220
Zn	68	24.621253	28294.914	ug/L	0.409
Ge	72		157841.194	ug/L	
As	75	2.046910	3222.735	ug/L	0.095
ArCl	77		610.360	ug/L	
Se	78	-2.374992	10797.539	ug/L	0.350
Br	79		23714.536	ug/L	

Br	81		45031.077	ug/L	
Se	82	0.646288	101.627	ug/L	0.034
Y	89		376141.239	ug/L	
Mo	95	1.771064	14941.418	ug/L	0.002
Rh	103		315236.467	ug/L	
Ag	107	0.146441	1750.853	ug/L	0.006
Ag	109	0.150074	1672.171	ug/L	0.003
Cd	111	0.419329	1024.068	ug/L	0.006
Cd	114	0.448350	2523.376	ug/L	0.012
In	115		378165.254	ug/L	
Sb	121	0.318126	2353.662	ug/L	0.009
Sb	123	0.309742	1764.844	ug/L	0.005
Ba	137	3.410295	11540.102	ug/L	0.007
Ba	138	3.441585	74654.407	ug/L	0.033
Tb	159		451288.789	ug/L	
Ho	165		445642.430	ug/L	
Hg	200	0.014208	33.000	ug/L	0.004
Hg	202	0.010683	36.667	ug/L	0.001
Tl	205	0.033161	1371.784	ug/L	0.001
Pb	208	0.672933	24578.992	ug/L	0.011
Bi	209		387416.337	ug/L	
Se	77	0.241905	589.358	ug/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		101.252
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 92.493
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 87.634
Sb
Sb
Ba
Ba
Tb
> Ho 91.246
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 94623.30
Sample Date/Time: Friday, November 19, 2010 00:50:04
Autosampler Position: 118
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.30.54712

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10397.944	ug/L	
Be	9	0.388047	156.670	ug/L	0.002
B	10	20.850080	2681.089	ug/L	0.044
B	11	21.570467	14759.787	ug/L	0.001
C	12		803312.112	ug/L	
Na	23	11501.380672	89157474.228	ug/L	58.829
Mg	24	5236.533140	27689194.583	ug/L	18.021
Mg	25	5241.943150	3937890.071	ug/L	103.501
Al	27	45.836581	373612.656	ug/L	0.464
Si	28		28628061.199	ug/L	
P	31	407.403806	190984.169	ug/L	2.579
S	32		72707316.155	ug/L	
Cl	35		10119633.675	ug/L	
K	39	1664.925333	19323936.606	ug/L	7.476
Ca	44	13262.984844	5290417.998	ug/L	137.302
Sc	45		227537.736	ug/L	
Ti	47	4.200266	4296.058	ug/L	0.007
Ti	48	14.603051	151428.285	ug/L	0.064
V	51	0.887211	32685.312	ug/L	0.013
ClO	51		33556.153	ug/L	
Cr	52	3.674877	48777.462	ug/L	0.035
Cr	53	3.260296	11228.042	ug/L	0.072
Fe	54	33935.147936	25885507.969	ug/L	183.071
Mn	55	799.681605	12184948.772	ug/L	1.064
Fe	56	34453.218381	438328214.166	ug/L	203.531
Fe	57	32550.959423	10569237.198	ug/L	13.304
Co	59	0.633349	8331.900	ug/L	0.013
Ni	60	8.941941	22898.698	ug/L	0.061
Ni	62	8.389832	3261.951	ug/L	0.167
Cu	63	11.590802	67986.630	ug/L	0.042
Zn	64	37.320483	103698.369	ug/L	0.095
Cu	65	11.387823	32586.963	ug/L	0.049
Zn	66	37.462409	60880.785	ug/L	0.045
Zn	68	37.668478	42552.450	ug/L	0.478
Ge	72		157450.447	ug/L	
As	75	2.143120	3366.312	ug/L	0.079
ArCl	77		603.359	ug/L	
Se	78	-1.985842	10911.563	ug/L	0.029
Br	79		24589.855	ug/L	

Br	81		45994.560	ug/L	
Se	82	0.422601	64.831	ug/L	0.156
Y	89		375201.409	ug/L	
Mo	95	1.470695	12389.895	ug/L	0.021
Rh	103		320459.712	ug/L	
Ag	107	0.077660	1158.419	ug/L	0.008
Ag	109	0.080269	1099.744	ug/L	0.010
Cd	111	0.526277	1278.436	ug/L	0.007
Cd	114	0.553274	3108.896	ug/L	0.013
In	115		385828.484	ug/L	
Sb	121	0.218139	1709.511	ug/L	0.003
Sb	123	0.216047	1305.307	ug/L	0.000
Ba	137	2.623389	9065.609	ug/L	0.048
Ba	138	2.625708	58158.255	ug/L	0.039
Tb	159		458049.912	ug/L	
Ho	165		444656.350	ug/L	
Hg	200	0.016844	37.667	ug/L	0.004
Hg	202	0.009269	33.334	ug/L	0.001
Tl	205	0.021854	1104.411	ug/L	0.000
Pb	208	0.449499	17224.234	ug/L	0.006
Bi	209		399596.412	ug/L	
Se	77	0.325419	599.026	ug/L	0.167

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		99.948
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	92.264
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.410
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	91.044
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.31
Sample Date/Time: Friday, November 19, 2010 00:56:34
Autosampler Position: 119
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.31.54713

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9845.329	ug/L	
Be	9	2.482363	1087.743	ug/L	0.016
B	10	17.247193	2532.712	ug/L	0.405
B	11	17.303101	13561.577	ug/L	0.062
C	12		801576.273	ug/L	
Na	23	9702.800394	83736191.142	ug/L	92.674
Mg	24	4463.458695	26273513.219	ug/L	39.987
Mg	25	4529.959908	3788301.647	ug/L	5.477
Al	27	231.394104	2073025.443	ug/L	4.326
Si	28		59818270.733	ug/L	
P	31	2619.781964	1301683.838	ug/L	0.409
S	32		70340019.650	ug/L	
Cl	35		9522464.153	ug/L	
K	39	1421.860125	18512862.586	ug/L	8.549
Ca	44	11349.884325	5042087.919	ug/L	71.661
Sc	45		253311.523	ug/L	
Ti	47	21.727556	24000.880	ug/L	0.233
Ti	48	24.870161	287537.635	ug/L	0.363
V	51	5.343381	101166.143	ug/L	0.019
ClO	51		103961.769	ug/L	
Cr	52	4.610099	65584.699	ug/L	0.024
Cr	53	3.719743	13145.964	ug/L	0.029
Fe	54	158825.234856	134574586.669	ug/L	1979.334
Mn	55	751.585311	12750276.270	ug/L	9.038
Fe	56	S	S	ug/L	S
Fe	57	155939.424202	56318225.372	ug/L	2045.766
Co	59	3.442104	47036.842	ug/L	0.052
Ni	60	15.245333	43379.353	ug/L	0.264
Ni	62	14.775228	6352.616	ug/L	0.336
Cu	63	50.963813	332070.635	ug/L	1.006
Zn	64	59.832786	184586.212	ug/L	0.654
Cu	65	50.215237	159691.971	ug/L	0.273
Zn	66	60.500120	109158.533	ug/L	0.469
Zn	68	61.002691	76480.121	ug/L	0.677
Ge	72		188424.735	ug/L	
As	75	9.407755	17653.688	ug/L	0.016
ArCl	77		621.027	ug/L	
Se	78	-7.556835	10636.104	ug/L	0.292
Br	79		21619.594	ug/L	

Br	81		41235.092	ug/L	
Se	82	0.627384	117.654	ug/L	0.005
Y	89		407240.297	ug/L	
Mo	95	8.162086	81866.141	ug/L	0.048
Rh	103		310020.304	ug/L	
Ag	107	0.368332	3653.771	ug/L	0.000
Ag	109	0.359606	3379.662	ug/L	0.003
Cd	111	1.978323	4268.378	ug/L	0.014
Cd	114	2.009838	10100.042	ug/L	0.014
In	115		369959.483	ug/L	
Sb	121	0.511832	3587.744	ug/L	0.002
Sb	123	0.504608	2714.003	ug/L	0.007
Ba	137	7.395593	24435.373	ug/L	0.115
Ba	138	7.420096	157210.057	ug/L	0.121
Tb	159		431401.290	ug/L	
Ho	165		418299.420	ug/L	
Hg	200	0.079091	140.002	ug/L	0.010
Hg	202	0.059606	139.669	ug/L	0.002
Tl	205	0.207007	5114.489	ug/L	0.002
Pb	208	0.907590	30288.573	ug/L	0.006
Bi	209		346341.179	ug/L	
Se	77	0.253424	590.692	ug/L	0.024

QC Calculated Values

Analyte	QC Std % Recovery	Int Std % Recovery
Li		
Be		
B		
B		
C		
Na		
Mg		
Mg		
Al		
Si		
P		
S		
Cl		
K		
Ca		
Sc		111.270
Ti		
Ti		
V		
ClO		
Cr		
Cr		
Fe		
Mn		
Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 110.415
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 85.733
Sb
Sb
Ba
Ba
Tb
Ho 85.648
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 94623.32
Sample Date/Time: Friday, November 19, 2010 01:03:04
Autosampler Position: 120
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.32.54714

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9299.421	ug/L	
Be	9	1.635901	671.032	ug/L	0.084
B	10	17.324274	2374.000	ug/L	0.025
B	11	18.741985	13568.588	ug/L	0.144
C	12		751839.304	ug/L	
Na	23	10388.720778	83727769.731	ug/L	64.954
Mg	24	4793.707873	26352412.658	ug/L	11.046
Mg	25	4803.968372	3751732.388	ug/L	37.697
Al	27	103.327706	867952.681	ug/L	0.425
Si	28		40239086.020	ug/L	
P	31	1449.040083	677400.054	ug/L	4.457
S	32		73245907.424	ug/L	
Cl	35		9599277.829	ug/L	
K	39	1511.603972	18322516.819	ug/L	11.445
Ca	44	12228.114673	5072165.811	ug/L	59.222
Sc	45		236558.262	ug/L	
Ti	47	10.038396	10444.768	ug/L	0.022
Ti	48	16.268064	175444.023	ug/L	0.197
V	51	2.628309	57618.262	ug/L	0.025
ClO	51		58672.317	ug/L	
Cr	52	2.801865	40876.869	ug/L	0.057
Cr	53	2.263708	10365.678	ug/L	0.161
Fe	54	81989.423680	64915240.997	ug/L	733.719
Mn	55	891.687649	14122525.922	ug/L	0.520
Fe	56	S	S	ug/L	S
Fe	57	78692.725577	26548080.126	ug/L	39.760
Co	59	0.522713	7273.648	ug/L	0.006
Ni	60	5.257599	14041.644	ug/L	0.083
Ni	62	4.857829	1985.570	ug/L	0.078
Cu	63	25.822647	157237.071	ug/L	0.180
Zn	64	24.573649	71242.808	ug/L	0.115
Cu	65	25.533706	75869.363	ug/L	0.011
Zn	66	24.790838	42036.723	ug/L	0.211
Zn	68	25.146430	29652.913	ug/L	0.122
Ge	72		166883.161	ug/L	
As	75	8.520778	14162.110	ug/L	0.049
ArCl	77		593.025	ug/L	
Se	78	-4.554278	10576.306	ug/L	0.234
Br	79		25250.014	ug/L	

Br	81		45297.785	ug/L	
Se	82	0.508619	83.635	ug/L	0.075
Y	89		387202.207	ug/L	
Mo	95	5.215297	46358.364	ug/L	0.011
Rh	103		315994.058	ug/L	
Ag	107	0.162065	1885.881	ug/L	0.010
Ag	109	0.155556	1714.512	ug/L	0.007
Cd	111	0.350792	875.051	ug/L	0.009
Cd	114	0.339586	1974.901	ug/L	0.006
In	115		377190.087	ug/L	
Sb	121	0.239561	1816.200	ug/L	0.002
Sb	123	0.235733	1377.900	ug/L	0.005
Ba	137	7.164549	24138.246	ug/L	0.031
Ba	138	7.159075	154662.172	ug/L	0.050
Tb	159		439214.289	ug/L	
Ho	165		429066.496	ug/L	
Hg	200	0.047784	89.668	ug/L	0.001
Hg	202	0.035745	90.335	ug/L	0.010
Tl	205	0.016425	942.725	ug/L	0.001
Pb	208	0.639109	22593.227	ug/L	0.020
Bi	209		369281.713	ug/L	
Se	77	0.440613	612.360	ug/L	0.338

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		103.911
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 97.791
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
⌈ Rh
| Ag
| Ag
| Cd
| Cd
> In 87.408
| Sb
| Sb
| Ba
| Ba
⌈ Tb
> Ho 87.852
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 94623.33
Sample Date/Time: Friday, November 19, 2010 01:09:35
Autosampler Position: 121
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.33.54715

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9286.074	ug/L	
Be	9	1.687630	693.033	ug/L	0.019
B	10	17.107186	2351.661	ug/L	0.052
B	11	18.622184	13511.168	ug/L	0.022
C	12		762666.331	ug/L	
Na	23	10346.392226	83496180.939	ug/L	178.921
Mg	24	4805.811769	26453854.794	ug/L	16.914
Mg	25	4873.371242	3810941.473	ug/L	28.447
Al	27	129.295348	1085973.588	ug/L	0.077
Si	28		42808520.085	ug/L	
P	31	1655.027102	773117.574	ug/L	3.961
S	32		72118623.373	ug/L	
Cl	35		9387651.569	ug/L	
K	39	1508.772694	18314017.051	ug/L	0.462
Ca	44	12198.318914	5066500.170	ug/L	112.766
Sc	45		236871.597	ug/L	
Ti	47	11.693381	12155.576	ug/L	0.059
Ti	48	17.715179	191355.524	ug/L	0.462
V	51	3.079620	63829.265	ug/L	0.001
ClO	51		65052.234	ug/L	
Cr	52	2.647502	39190.056	ug/L	0.009
Cr	53	2.008315	10043.979	ug/L	0.021
Fe	54	98725.963462	78255405.188	ug/L	153.044
Mn	55	1114.397732	17666528.735	ug/L	2.467
Fe	56	S	S	ug/L	S
Fe	57	95846.451447	32375434.592	ug/L	144.345
Co	59	0.874780	11709.654	ug/L	0.004
Ni	60	7.271671	19405.889	ug/L	0.148
Ni	62	6.708301	2725.769	ug/L	0.010
Cu	63	29.714132	181143.375	ug/L	0.055
Zn	64	39.285613	113595.081	ug/L	0.638
Cu	65	29.380589	87404.031	ug/L	0.075
Zn	66	40.237730	68040.690	ug/L	0.180
Zn	68	40.359149	47438.591	ug/L	0.129
Ge	72		170895.339	ug/L	
As	75	7.807404	13289.004	ug/L	0.016
ArCl	77		592.359	ug/L	
Se	78	-4.840536	10717.554	ug/L	0.509
Br	79		23103.946	ug/L	

Br	81		42833.126	ug/L	
Se	82	0.417793	69.562	ug/L	0.212
Y	89		388609.479	ug/L	
Mo	95	5.400535	49154.696	ug/L	0.077
Rh	103		312975.164	ug/L	
Ag	107	0.165922	1898.551	ug/L	0.007
Ag	109	0.165375	1777.525	ug/L	0.014
Cd	111	0.660965	1520.476	ug/L	0.009
Cd	114	0.665979	3561.066	ug/L	0.002
In	115		372980.147	ug/L	
Sb	121	0.263421	1955.563	ug/L	0.004
Sb	123	0.269284	1533.885	ug/L	0.002
Ba	137	7.765785	25868.346	ug/L	0.085
Ba	138	7.790504	166409.783	ug/L	0.011
Tb	159		441499.101	ug/L	
Ho	165		428691.025	ug/L	
Hg	200	0.049153	92.001	ug/L	0.005
Hg	202	0.034444	87.668	ug/L	0.003
Tl	205	0.035096	1363.449	ug/L	0.001
Pb	208	0.499466	18179.529	ug/L	0.011
Bi	209		356541.979	ug/L	
Se	77	0.092154	572.024	ug/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		104.048
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 100.142
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 86.433
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 87.775
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 94623.34
Sample Date/Time: Friday, November 19, 2010 01:16:07
Autosampler Position: 122
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.34.54716

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9224.678	ug/L	
Be	9	1.187778	479.684	ug/L	0.009
B	10	17.974002	2405.676	ug/L	0.269
B	11	19.112058	13549.893	ug/L	0.149
C	12		767971.450	ug/L	
Na	23	10782.486835	85319416.338	ug/L	9.093
Mg	24	5058.835066	27303714.466	ug/L	53.898
Mg	25	5027.158776	3854601.424	ug/L	23.959
Al	27	119.627720	985657.047	ug/L	0.426
Si	28		39277369.679	ug/L	
P	31	1208.553404	556536.862	ug/L	9.403
S	32		74288018.901	ug/L	
Cl	35		9895769.845	ug/L	
K	39	1578.050773	18740885.210	ug/L	23.605
Ca	44	12770.220943	5200059.343	ug/L	154.710
Sc	45		232257.488	ug/L	
Ti	47	9.718937	9933.524	ug/L	0.112
Ti	48	17.137459	181493.092	ug/L	0.206
V	51	2.551906	55550.774	ug/L	0.065
ClO	51		56787.734	ug/L	
Cr	52	3.734654	50451.349	ug/L	0.020
Cr	53	3.286572	11494.382	ug/L	0.349
Fe	54	87324.353548	67877247.792	ug/L	539.878
Mn	55	1284.926528	19968898.935	ug/L	10.868
Fe	56	S	S	ug/L	S
Fe	57	83362.411134	27611037.070	ug/L	880.819
Co	59	1.483998	18991.673	ug/L	0.005
Ni	60	18.038603	47046.560	ug/L	0.067
Ni	62	17.346753	6830.300	ug/L	0.054
Cu	63	31.615279	188965.273	ug/L	0.165
Zn	64	97.723885	275973.803	ug/L	0.172
Cu	65	31.311731	91328.705	ug/L	0.235
Zn	66	99.723381	164697.205	ug/L	0.738
Zn	68	98.834939	113401.715	ug/L	0.179
Ge	72		166425.543	ug/L	
As	75	6.175021	10237.241	ug/L	0.063
ArCl	77		587.025	ug/L	
Se	78	-4.362346	10621.155	ug/L	0.128
Br	79		23115.951	ug/L	

Br	81		43281.580	ug/L	
Se	82	0.366494	58.814	ug/L	0.109
Y	89		376646.845	ug/L	
Mo	95	4.300150	38133.196	ug/L	0.050
Rh	103		310367.860	ug/L	
Ag	107	0.128740	1565.484	ug/L	0.003
Ag	109	0.129030	1467.800	ug/L	0.003
Cd	111	1.747727	3803.500	ug/L	0.008
Cd	114	1.782865	9034.579	ug/L	0.030
In	115		371727.899	ug/L	
Sb	121	1.191814	8137.722	ug/L	0.006
Sb	123	1.196964	6253.159	ug/L	0.002
Ba	137	7.497299	24890.610	ug/L	0.067
Ba	138	7.477543	159189.395	ug/L	0.101
Tb	159		436963.111	ug/L	
Ho	165		428965.060	ug/L	
Hg	200	0.039255	75.001	ug/L	0.003
Hg	202	0.029891	77.668	ug/L	0.001
Tl	205	0.088355	2566.388	ug/L	0.002
Pb	208	1.190682	39984.360	ug/L	0.011
Bi	209		364481.653	ug/L	
Se	77	0.167029	580.691	ug/L	0.147

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		102.022
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge 97.523
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In 86.143
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho 87.831
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

Sample ID: 94623.35
Sample Date/Time: Friday, November 19, 2010 01:22:39
Autosampler Position: 123
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.35.54717

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9304.762	ug/L	
Be	9	2.643442	1156.085	ug/L	0.113
B	10	15.497099	2309.316	ug/L	0.419
B	11	16.436587	12960.695	ug/L	0.244
C	12		762335.284	ug/L	
Na	23	9419.229315	81186609.077	ug/L	10.110
Mg	24	4463.663308	26239699.173	ug/L	32.699
Mg	25	4538.445091	3790749.195	ug/L	77.550
Al	27	201.061082	1799780.345	ug/L	2.232
Si	28		63288706.723	ug/L	
P	31	2993.314720	1483479.183	ug/L	31.336
S	32		70192220.186	ug/L	
Cl	35		9280104.452	ug/L	
K	39	1396.835516	18179491.876	ug/L	3.424
Ca	44	11589.875540	5141986.515	ug/L	87.580
Sc	45		252974.442	ug/L	
Ti	47	17.158234	18963.282	ug/L	0.440
Ti	48	18.360082	211811.367	ug/L	0.140
V	51	5.581474	104485.064	ug/L	0.046
ClO	51		106372.119	ug/L	
Cr	52	4.157010	60037.168	ug/L	0.039
Cr	53	3.283839	12517.740	ug/L	0.123
Fe	54	190087.671214	160846294.046	ug/L	372.763
Mn	55	1375.252613	23275824.914	ug/L	13.890
Fe	56	S	S	ug/L	S
Fe	57	185427.303149	66875303.659	ug/L	2393.659
Co	59	1.566100	21786.292	ug/L	0.022
Ni	60	8.573418	24412.645	ug/L	0.104
Ni	62	8.019772	3468.696	ug/L	0.222
Cu	63	53.472426	347941.903	ug/L	0.846
Zn	64	42.841845	132215.525	ug/L	0.610
Cu	65	52.719217	167428.776	ug/L	0.184
Zn	66	44.028270	79468.672	ug/L	0.191
Zn	68	45.232192	56737.776	ug/L	0.367
Ge	72		193217.056	ug/L	
As	75	14.448421	27797.765	ug/L	0.287
ArCl	77		623.361	ug/L	
Se	78	-8.325709	10564.678	ug/L	0.464
Br	79		23398.375	ug/L	

Br	81		42613.523	ug/L	
Se	82	0.527629	100.650	ug/L	0.104
Y	89		402986.915	ug/L	
Mo	95	8.926372	91799.097	ug/L	0.065
Rh	103		303620.253	ug/L	
Ag	107	0.350333	3413.342	ug/L	0.009
Ag	109	0.351453	3232.941	ug/L	0.005
Cd	111	0.797086	1750.519	ug/L	0.006
Cd	114	0.779159	3987.914	ug/L	0.000
In	115		361132.343	ug/L	
Sb	121	0.470120	3232.274	ug/L	0.006
Sb	123	0.466681	2462.002	ug/L	0.008
Ba	137	11.034915	35572.818	ug/L	0.077
Ba	138	11.077285	229012.006	ug/L	0.029
Tb	159		423015.557	ug/L	
Ho	165		408327.517	ug/L	
Hg	200	0.091451	157.003	ug/L	0.001
Hg	202	0.071672	161.670	ug/L	0.002
Tl	205	0.035115	1299.106	ug/L	0.001
Pb	208	1.739395	54529.526	ug/L	0.020
Bi	209		333463.172	ug/L	
Se	77	0.334059	600.026	ug/L	0.326

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
-	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		111.122
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

113.223

83.687

83.606

Sample ID: 94623.35 MS
Sample Date/Time: Friday, November 19, 2010 01:29:12
Autosampler Position: 124
Sample Description: post
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.35 MS.54718

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9294.083	ug/L	
Be	9	744.528093	307089.610	ug/L	11.591
B	10	15.551683	2194.287	ug/L	0.190
B	11	16.229601	12143.894	ug/L	0.372
C	12		1449490.267	ug/L	
Na	23	17993.099892	146856769.087	ug/L	13.459
Mg	24	13019.788498	72486041.831	ug/L	246.623
Mg	25	12923.353696	10222475.540	ug/L	26.392
Al	27	8986.623668	75920176.811	ug/L	142.704
Si	28		58266410.272	ug/L	
P	31	10581.749329	4938568.345	ug/L	29.103
S	32		75455384.162	ug/L	
Cl	35		10959003.451	ug/L	
K	39	10156.622475	119498892.810	ug/L	58.501
Ca	44	19609.741686	8231261.018	ug/L	3.193
Sc	45		239611.601	ug/L	
Ti	47	35.917089	37417.888	ug/L	0.622
Ti	48	25.530845	279157.552	ug/L	0.678
V	51	773.433555	10657048.150	ug/L	5.370
ClO	51		10880135.606	ug/L	
Cr	52	759.011855	8669575.924	ug/L	15.170
Cr	53	797.694760	1067546.616	ug/L	16.116
Fe	54	193404.362723	154988707.383	ug/L	3124.232
Mn	55	2154.978664	34530839.715	ug/L	20.877
Fe	56	S	S	ug/L	S
Fe	57	189979.670955	64898810.303	ug/L	1939.914
Co	59	724.458140	9214010.750	ug/L	4.643
Ni	60	725.824374	1948478.228	ug/L	13.611
Ni	62	724.658570	292176.434	ug/L	17.659
Cu	63	694.668956	4279031.190	ug/L	13.342
Zn	64	699.822704	2033975.256	ug/L	12.056
Cu	65	684.770802	2058795.517	ug/L	10.648
Zn	66	731.782982	1243762.883	ug/L	17.384
Zn	68	759.532666	896531.979	ug/L	15.757
Ge	72		187048.702	ug/L	
As	75	751.828144	1399791.331	ug/L	7.479
ArCl	77		100105.494	ug/L	
Se	78	727.430827	327703.938	ug/L	0.937
Br	79		24285.353	ug/L	

Br	81		43045.468	ug/L	
Se	82	690.004383	134061.284	ug/L	6.182
Y	89		385284.303	ug/L	
Mo	95	322.088387	3203333.143	ug/L	4.713
Rh	103		291011.169	ug/L	
Ag	107	744.194636	6116077.255	ug/L	7.057
Ag	109	740.234654	5787484.135	ug/L	0.599
Cd	111	979.128710	1927489.098	ug/L	13.033
Cd	114	940.320315	4317771.775	ug/L	7.395
In	115		347557.916	ug/L	
Sb	121	1004.387622	6260486.271	ug/L	12.525
Sb	123	999.435661	4759181.694	ug/L	15.347
Ba	137	994.973970	3083771.286	ug/L	0.885
Ba	138	990.870606	19698343.017	ug/L	2.354
Tb	159		402578.743	ug/L	
Ho	165		385373.324	ug/L	
Hg	200	1.066236	1657.501	ug/L	0.034
Hg	202	1.054690	2100.930	ug/L	0.023
Tl	205	905.781195	18369796.871	ug/L	4.077
Pb	208	896.443161	25394424.259	ug/L	3.426
Bi	209		314620.977	ug/L	
Se	77	854.449347	99469.551	ug/L	4.809

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		105.252
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	109.608
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	80.542
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	78.906
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.35 MSD
Sample Date/Time: Friday, November 19, 2010 01:35:45
Autosampler Position: 125
Sample Description: post
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.35 MSD.54719

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9314.105	ug/L	
Be	9	735.173903	301545.174	ug/L	10.084
B	10	16.229940	2261.971	ug/L	0.030
B	11	16.170332	12039.421	ug/L	0.196
C	12		1432205.644	ug/L	
Na	23	17714.826438	143774532.801	ug/L	85.401
Mg	24	12918.156868	71525722.944	ug/L	58.295
Mg	25	13016.405961	10238528.581	ug/L	49.116
Al	27	8933.623661	75048195.594	ug/L	217.949
Si	28		58494696.475	ug/L	
P	31	10689.720639	4960748.068	ug/L	125.355
S	32		76014016.035	ug/L	
Cl	35		10913481.283	ug/L	
K	39	10079.966844	117934935.489	ug/L	39.358
Ca	44	19367.039789	8083995.991	ug/L	77.055
Sc	45		238274.424	ug/L	
Ti	47	35.250341	36521.245	ug/L	0.700
Ti	48	25.097622	272902.275	ug/L	0.383
V	51	763.308596	10459295.445	ug/L	3.790
ClO	51		10735717.886	ug/L	
Cr	52	753.514634	8559348.569	ug/L	8.645
Cr	53	783.509880	1042884.676	ug/L	12.133
Fe	54	193364.853847	154101163.583	ug/L	1537.988
Mn	55	2122.724850	33824904.438	ug/L	19.238
Fe	56	S	S	ug/L	S
Fe	57	186508.931252	63360222.660	ug/L	891.172
Co	59	712.291399	9008756.903	ug/L	4.566
Ni	60	713.264389	1904128.053	ug/L	11.437
Ni	62	706.434987	283259.429	ug/L	10.919
Cu	63	688.999630	4220661.840	ug/L	7.978
Zn	64	687.438616	1986935.007	ug/L	7.721
Cu	65	677.264458	2024971.954	ug/L	5.464
Zn	66	713.246883	1205630.151	ug/L	5.963
Zn	68	736.490584	864617.300	ug/L	1.198
Ge	72		184064.850	ug/L	
As	75	739.615793	1355008.002	ug/L	7.435
ArCl	77		98042.156	ug/L	
Se	78	727.086036	322312.540	ug/L	6.797
Br	79		23543.389	ug/L	

Br	81		42435.622	ug/L	
Se	82	696.867981	133223.639	ug/L	10.106
Y	89		385293.089	ug/L	
Mo	95	323.627187	3167133.264	ug/L	2.900
Rh	103		289471.088	ug/L	
Ag	107	771.107233	6256135.397	ug/L	25.193
Ag	109	771.311088	5953365.886	ug/L	25.862
Cd	111	969.220924	1883875.114	ug/L	11.391
Cd	114	934.617179	4237390.116	ug/L	7.445
In	115		343177.770	ug/L	
Sb	121	1003.893802	6178469.839	ug/L	2.695
Sb	123	1004.732335	4724130.312	ug/L	7.141
Ba	137	995.257821	3045629.354	ug/L	8.490
Ba	138	991.311581	19457778.835	ug/L	8.147
Tb	159		397883.035	ug/L	
Ho	165		387263.310	ug/L	
Hg	200	1.024626	1600.824	ug/L	0.014
Hg	202	1.042955	2087.927	ug/L	0.009
Tl	205	903.443394	18411715.168	ug/L	7.845
Pb	208	888.618810	25296073.062	ug/L	1.739
Bi	209		312741.862	ug/L	
Se	77	831.500556	96813.075	ug/L	4.388

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
>	Sc		104.665
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
> Ge 107.860
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
> In 79.527
| Sb
| Sb
| Ba
└ Ba
┌ Tb
> Ho 79.293
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 94623.36
Sample Date/Time: Friday, November 19, 2010 02:30:15
Autosampler Position: 129
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.36.54727

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9324.780	ug/L	
Be	9	1.278662	523.354	ug/L	0.038
B	10	16.119083	2222.961	ug/L	0.094
B	11	17.661715	12833.848	ug/L	0.095
C	12		735321.446	ug/L	
Na	23	10377.663250	83275118.910	ug/L	0.638
Mg	24	5004.109313	27389376.714	ug/L	4.282
Mg	25	5033.693467	3913846.503	ug/L	59.220
Al	27	114.403426	956093.483	ug/L	1.878
Si	28		39954942.556	ug/L	
P	31	1400.981985	652437.413	ug/L	13.430
S	32		74716386.840	ug/L	
Cl	35		9824815.854	ug/L	
K	39	1569.550129	18907284.515	ug/L	12.610
Ca	44	12628.033753	5214473.402	ug/L	233.551
Sc	45		235530.862	ug/L	
Ti	47	10.548158	10918.662	ug/L	0.118
Ti	48	17.297873	185756.876	ug/L	0.411
V	51	2.672333	57957.756	ug/L	0.091
ClO	51		59439.276	ug/L	
Cr	52	4.048127	54671.370	ug/L	0.163
Cr	53	3.820587	12356.859	ug/L	0.386
Fe	54	88439.348108	69711996.416	ug/L	168.252
Mn	55	1505.295021	23717718.577	ug/L	21.429
Fe	56	S	S	ug/L	S
Fe	57	84643.162685	28428365.523	ug/L	1650.408
Co	59	1.202660	15741.441	ug/L	0.017
Ni	60	6.087316	16169.863	ug/L	0.048
Ni	62	5.652722	2292.312	ug/L	0.192
Cu	63	25.816521	156515.079	ug/L	0.051
Zn	64	26.442391	76266.784	ug/L	0.323
Cu	65	25.381230	75084.552	ug/L	0.377
Zn	66	26.706922	45053.481	ug/L	0.136
Zn	68	26.946915	31610.512	ug/L	0.417
Ge	72		168636.401	ug/L	
As	75	7.762018	13037.307	ug/L	0.089
ArCl	77		592.359	ug/L	
Se	78	-4.451237	10727.766	ug/L	0.200
Br	79		23527.720	ug/L	

Br	81		44085.492	ug/L	
Se	82	0.509790	84.763	ug/L	0.301
Y	89		383892.736	ug/L	
Mo	95	4.746264	42638.861	ug/L	0.076
Rh	103		311787.145	ug/L	
Ag	107	0.410394	4020.596	ug/L	0.004
Ag	109	0.406063	3765.151	ug/L	0.001
Cd	111	0.355913	868.717	ug/L	0.001
Cd	114	0.342272	1949.562	ug/L	0.003
In	115		369860.489	ug/L	
Sb	121	0.392819	2797.458	ug/L	0.001
Sb	123	0.381625	2090.292	ug/L	0.011
Ba	137	6.825864	22551.830	ug/L	0.043
Ba	138	6.875034	145651.070	ug/L	0.039
Tb	159		432275.410	ug/L	
Ho	165		420869.941	ug/L	
Hg	200	0.042275	78.668	ug/L	0.000
Hg	202	0.032431	81.668	ug/L	0.004
Tl	205	0.011483	815.711	ug/L	0.001
Pb	208	0.960419	32107.495	ug/L	0.009
Bi	209		360147.230	ug/L	
Se	77	0.313900	597.692	ug/L	0.167

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		103.459
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	98.819
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	85.710
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	86.174
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.37
Sample Date/Time: Friday, November 19, 2010 02:36:50
Autosampler Position: 130
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.37.54728

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9009.796	ug/L	
Be	9	0.011750	8.000	ug/L	0.003
B	10	0.298616	314.009	ug/L	0.075
B	11	0.734921	1877.213	ug/L	0.108
C	12		752280.497	ug/L	
Na	23	4.172863	61859.347	ug/L	0.184
Mg	24	0.743709	4538.254	ug/L	0.042
Mg	25	0.661957	573.409	ug/L	0.024
Al	27	0.771922	10443.706	ug/L	0.009
Si	28		49579.776	ug/L	
P	31	8.824623	12733.552	ug/L	3.301
S	32		77116249.329	ug/L	
Cl	35		9400487.067	ug/L	
K	39	5.593649	800185.996	ug/L	0.310
Ca	44	-5.721487	8528.184	ug/L	0.565
Sc	45		196576.047	ug/L	
Ti	47	0.030657	163.336	ug/L	0.010
Ti	48	0.071956	199.885	ug/L	0.001
V	51	0.170003	20148.174	ug/L	0.013
ClO	51		20900.207	ug/L	
Cr	52	0.022271	7945.245	ug/L	0.026
Cr	53	0.417155	6599.794	ug/L	0.101
Fe	54	11.924552	68618.429	ug/L	3.583
Mn	55	-1.365496	4075.956	ug/L	0.022
Fe	56	14.503015	2688468.845	ug/L	6.429
Fe	57	11.422319	12750.210	ug/L	1.081
Co	59	-0.018177	400.680	ug/L	0.001
Ni	60	0.051602	202.338	ug/L	0.003
Ni	62	0.106161	78.334	ug/L	0.024
Cu	63	0.048490	401.346	ug/L	0.000
Zn	64	0.377306	1522.666	ug/L	0.003
Cu	65	0.056405	201.004	ug/L	0.001
Zn	66	0.358726	871.384	ug/L	0.002
Zn	68	0.376636	661.031	ug/L	0.012
Ge	72		152008.336	ug/L	
As	75	0.088522	141.090	ug/L	0.020
ArCl	77		490.685	ug/L	
Se	78	0.672935	11466.867	ug/L	0.145
Br	79		2808.795	ug/L	

Br	81		24180.693	ug/L	
Se	82	-0.007209	-5.281	ug/L	0.024
Y	89		373793.905	ug/L	
Mo	95	0.043745	428.681	ug/L	0.000
Rh	103		336720.417	ug/L	
Ag	107	0.217793	2452.689	ug/L	0.004
Ag	109	0.218945	2318.319	ug/L	0.006
Cd	111	-0.036053	50.001	ug/L	0.001
Cd	114	-0.035042	111.335	ug/L	0.003
In	115		388333.643	ug/L	
Sb	121	0.141897	1190.090	ug/L	0.006
Sb	123	0.135948	887.586	ug/L	0.002
Ba	137	0.020705	112.335	ug/L	0.006
Ba	138	0.023018	728.586	ug/L	0.009
Tb	159		450465.050	ug/L	
Ho	165		441852.538	ug/L	
Hg	200	0.003454	13.667	ug/L	0.001
Hg	202	-0.000173	11.667	ug/L	0.001
Tl	205	-0.009398	370.678	ug/L	0.001
Pb	208	-0.011982	2128.452	ug/L	0.001
Bi	209		392593.980	ug/L	
Se	77	-0.933053	453.349	ug/L	0.106

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		86.348
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	89.075
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
=	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	89.991
	Sb	
	Sb	
	Ba	
	Ba	
=	Tb	
>	Ho	90.470
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

Sample ID: 94623.38
Sample Date/Time: Friday, November 19, 2010 02:43:26
Autosampler Position: 131
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.38.54729

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9021.808	ug/L	
Be	9	0.012717	8.333	ug/L	0.002
B	10	0.224399	307.008	ug/L	0.020
B	11	0.659115	1839.538	ug/L	0.075
C	12		740508.234	ug/L	
Na	23	5.681050	72035.691	ug/L	0.677
Mg	24	1.896941	9809.604	ug/L	0.052
Mg	25	1.845271	1340.234	ug/L	0.370
Al	27	2.802248	24525.492	ug/L	0.120
Si	28		51198.912	ug/L	
P	31	2.107441	10183.389	ug/L	0.592
S	32		78556667.837	ug/L	
Cl	35		4853811.091	ug/L	
K	39	7.247247	816430.604	ug/L	1.948
Ca	44	55.142408	29473.980	ug/L	0.633
Sc	45		196708.373	ug/L	
Ti	47	0.044726	175.670	ug/L	0.027
Ti	48	0.138634	799.491	ug/L	0.003
V	51	-0.405579	13661.060	ug/L	0.024
ClO	51		13825.978	ug/L	
Cr	52	0.001765	7760.182	ug/L	0.004
Cr	53	-1.599584	4403.777	ug/L	0.066
Fe	54	7.083102	65481.077	ug/L	2.262
Mn	55	-1.423992	3309.636	ug/L	0.015
Fe	56	6.550710	2603376.665	ug/L	4.429
Fe	57	4.149836	10717.387	ug/L	1.583
Co	59	-0.014106	443.682	ug/L	0.002
Ni	60	0.090496	288.007	ug/L	0.008
Ni	62	0.103274	77.334	ug/L	0.018
Cu	63	0.056890	444.015	ug/L	0.002
Zn	64	0.346468	1449.628	ug/L	0.023
Cu	65	0.065500	223.672	ug/L	0.003
Zn	66	0.334578	838.047	ug/L	0.021
Zn	68	0.369233	654.030	ug/L	0.041
Ge	72		152070.725	ug/L	
As	75	0.120821	190.019	ug/L	0.016
ArCl	77		318.342	ug/L	
Se	78	0.356936	11360.490	ug/L	0.078
Br	79		2032.914	ug/L	

Br	81		23815.732	ug/L	
Se	82	0.019903	-0.922	ug/L	0.141
Y	89		374101.024	ug/L	
Mo	95	0.026617	290.341	ug/L	0.001
Rh	103		335865.607	ug/L	
Ag	107	0.122290	1586.821	ug/L	0.000
Ag	109	0.130896	1560.483	ug/L	0.004
Cd	111	-0.033941	55.001	ug/L	0.000
Cd	114	-0.036314	105.335	ug/L	0.001
In	115		390973.438	ug/L	
Sb	121	0.117424	1026.402	ug/L	0.002
Sb	123	0.119565	806.075	ug/L	0.003
Ba	137	0.026438	133.002	ug/L	0.007
Ba	138	0.029875	888.228	ug/L	0.001
Tb	159		455898.798	ug/L	
Ho	165		441498.671	ug/L	
Hg	200	0.000829	9.000	ug/L	0.001
Hg	202	-0.000898	10.000	ug/L	0.002
Tl	205	-0.007296	419.347	ug/L	0.001
Pb	208	-0.037273	1306.050	ug/L	0.001
Bi	209		393937.960	ug/L	
Se	77	-1.940968	336.676	ug/L	0.065

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
>	Sc		86.406
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge 89.112
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In 90.603
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho 90.398
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

Sample ID: 94623.39
Sample Date/Time: Friday, November 19, 2010 02:49:59
Autosampler Position: 132
Sample Description:
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\94623.39.54730

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9035.154	ug/L	
Be	9	0.005496	6.000	ug/L	0.003
B	10	0.367301	326.676	ug/L	0.054
B	11	0.596072	1838.538	ug/L	0.128
C	12		769113.242	ug/L	
Na	23	9.925656	102218.382	ug/L	0.210
Mg	24	2.056222	10727.398	ug/L	0.022
Mg	25	2.164154	1576.961	ug/L	0.026
Al	27	0.774937	10657.314	ug/L	0.071
Si	28		74884.712	ug/L	
P	31	7.208166	12346.282	ug/L	1.008
S	32		77624779.689	ug/L	
Cl	35		2367232.441	ug/L	
K	39	7.518155	833739.540	ug/L	1.014
Ca	44	23.974985	19085.255	ug/L	1.006
Sc	45		200207.233	ug/L	
Ti	47	0.044039	178.004	ug/L	0.002
Ti	48	0.099094	452.048	ug/L	0.005
V	51	-0.782712	9573.134	ug/L	0.011
ClO	51		9874.125	ug/L	
Cr	52	0.107724	8908.040	ug/L	0.006
Cr	53	-2.703869	3256.282	ug/L	0.065
Fe	54	11.180840	69402.749	ug/L	0.926
Mn	55	-1.472330	2723.435	ug/L	0.005
Fe	56	13.259864	2724716.845	ug/L	0.468
Fe	57	8.814786	12242.796	ug/L	0.860
Co	59	-0.010198	493.018	ug/L	0.006
Ni	60	0.115476	349.344	ug/L	0.005
Ni	62	0.137752	90.335	ug/L	0.067
Cu	63	0.142884	894.720	ug/L	0.008
Zn	64	0.304037	1372.783	ug/L	0.018
Cu	65	0.130939	392.012	ug/L	0.007
Zn	66	0.314493	824.712	ug/L	0.006
Zn	68	0.280716	578.691	ug/L	0.021
Ge	72		154157.823	ug/L	
As	75	0.130845	207.600	ug/L	0.025
ArCl	77		241.339	ug/L	
Se	78	0.468780	11555.821	ug/L	0.102
Br	79		1788.527	ug/L	

Br	81		23146.661	ug/L	
Se	82	0.079722	8.102	ug/L	0.220
Y	89		375280.327	ug/L	
Mo	95	0.025572	286.007	ug/L	0.002
Rh	103		336359.145	ug/L	
Ag	107	0.087098	1277.436	ug/L	0.007
Ag	109	0.087585	1194.090	ug/L	0.005
Cd	111	-0.039011	44.334	ug/L	0.001
Cd	114	-0.037471	100.668	ug/L	0.003
In	115		395905.031	ug/L	
Sb	121	0.103644	941.392	ug/L	0.010
Sb	123	0.098653	702.689	ug/L	0.011
Ba	137	0.040810	185.670	ug/L	0.002
Ba	138	0.035880	1035.619	ug/L	0.002
Tb	159		457240.705	ug/L	
Ho	165		440344.725	ug/L	
Hg	200	0.002116	11.333	ug/L	0.004
Hg	202	-0.001186	9.333	ug/L	0.000
Tl	205	-0.005430	461.350	ug/L	0.000
Pb	208	-0.041988	1149.374	ug/L	0.002
Bi	209		395954.853	ug/L	
Se	77	-2.730013	245.339	ug/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		87.943
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

	Fe	
	Co	
	Ni	
	Ni	
	Cu	
	Zn	
	Cu	
	Zn	
	Zn	
>	Ge	90.335
	As	
	ArCl	
	Se	
	Br	
	Br	
	Se	
	Y	
	Mo	
	Rh	
	Ag	
	Ag	
	Cd	
	Cd	
>	In	91.745
	Sb	
	Sb	
	Ba	
	Ba	
	Tb	
>	Ho	90.161
	Hg	
	Hg	
	Tl	
	Pb	
	Bi	
	Se	

eastern analytical, inc.
professional laboratory services

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

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 96745
Client Identification: Coakley Landfill | P0081
Date Received: 2/8/2011

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

2.25.11
Date

241
# of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: 96745

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

Client Designation: **Coakley Landfill | P0081**

Temperature upon receipt (°C): 3

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)
96745.01	GW-MW-6-150-0211	2/8/11	2/8/11	aqueous		Adheres to Sample Acceptance Policy
96745.02	GW-BP-4-49-0211	2/8/11	2/8/11	aqueous		Adheres to Sample Acceptance Policy
96745.03	GW-BP-4-49-Dup-0211	2/8/11	2/8/11	aqueous		Adheres to Sample Acceptance Policy
96745.04	GW-GZ-125-72-0211	2/8/11	2/8/11	aqueous		Adheres to Sample Acceptance Policy
96745.05	GW-GZ-125-72-Dup-0211	2/8/11	2/8/11	aqueous		Adheres to Sample Acceptance Policy
96745.06	Equipment Blank	2/8/11	2/8/11	aqueous		Adheres to Sample Acceptance Policy
96745.07	Field Blank	2/8/11	2/8/11	aqueous		Adheres to Sample Acceptance Policy
96745.08	Trip Blank - 8260B	2/8/11	1/11/11	aqueous		Adheres to Sample Acceptance Policy
96745.09	Trip Blank - 1,4 Diox.	2/8/11	1/6/11	aqueous		Adheres to Sample Acceptance Policy
96745.1	Trip Blank - EDBDBCP	2/8/11	11/17/10	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 | P0081**

Sample ID:	GW-MW-6-150-0211	GW-GZ-125-72-0211	GW-GZ-125-72-Dup-0211	Equipment Blank	Field Blank	Trip Blank - 8260B
Lab Sample ID:	96745.01	96745.04	96745.05	96745.06	96745.07	96745.08
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	2/8/11	2/8/11	2/8/11	2/8/11	2/8/11	1/11/11
Date Received:	2/8/11	2/8/11	2/8/11	2/8/11	2/8/11	2/8/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	2/10/11	2/10/11	2/10/11	2/10/11	2/10/11	2/10/11
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 | P0081**

Sample ID:	GW-MW-6-150-0211	GW-GZ-125-72-0211	GW-GZ-125-72-Dup-0211	Equipment Blank	Field Blank	Trip Blank - 8260B
Lab Sample ID:	96745.01	96745.04	96745.05	96745.06	96745.07	96745.08
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	2/8/11	2/8/11	2/8/11	2/8/11	2/8/11	1/11/11
Date Received:	2/8/11	2/8/11	2/8/11	2/8/11	2/8/11	2/8/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	2/10/11	2/10/11	2/10/11	2/10/11	2/10/11	2/10/11
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)	**93 %R**	**93 %R**	**96 %R**	**95 %R**	**94 %R**	**93 %R**
1,2-Dichlorobenzene-d4 (surr)	**106 %R**	**108 %R**	**105 %R**	**103 %R**	**104 %R**	**105 %R**
Toluene-d8 (surr)	**100 %R**	**100 %R**	**100 %R**	**103 %R**	**100 %R**	**99 %R**

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

Client Designation: **Coakley Landfill | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	96745.04	< 5	23 (115 %R)	23 (116 %R) (1 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
Chloromethane	96745.04	< 2	22 (110 %R)	22 (109 %R) (1 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
Vinyl chloride	96745.04	< 2	20 (101 %R)	21 (104 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Bromomethane	96745.04	< 2	22 (108 %R)	24 (119 %R) (10 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
Chloroethane	96745.04	< 5	23 (114 %R)	23 (114 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	96745.04	< 5	26 (129 %R)	26 (130 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Diethyl Ether	96745.04	< 5	21 (105 %R)	21 (107 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Acetone	96745.04	< 10	20 (95 %R)	20 (102 %R) (7 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
1,1-Dichloroethene	96745.04	< 1	22 (109 %R)	22 (110 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	96745.04	< 30	100 (97 %R)	100 (99 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Methylene chloride	96745.04	< 5	21 (117 %R)	22 (121 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Carbon disulfide	96745.04	< 5	20 (100 %R)	20 (102 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	96745.04	< 5	21 (106 %R)	22 (108 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	96745.04	< 5	21 (105 %R)	22 (108 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	96745.04	< 5	21 (103 %R)	21 (105 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	96745.04	< 5	22 (109 %R)	23 (113 %R) (4 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	96745.04	< 2	22 (109 %R)	22 (110 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	96745.04	< 2	22 (109 %R)	22 (109 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	96745.04	< 2	23 (114 %R)	23 (116 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	96745.04	< 2	22 (112 %R)	23 (114 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	96745.04	< 10	20 (98 %R)	20 (102 %R) (4 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
Bromochloromethane	96745.04	< 2	21 (104 %R)	21 (105 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	96745.04	< 10	20 (89 %R)	20 (91 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Chloroform	96745.04	< 2	23 (114 %R)	23 (116 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	96745.04	< 2	24 (119 %R)	24 (121 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Carbon tetrachloride	96745.04	< 2	26 (128 %R)	* 26 (132 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	96745.04	< 2	23 (114 %R)	23 (115 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Benzene	96745.04	< 1	23 (114 %R)	23 (115 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	96745.04	< 2	21 (107 %R)	21 (107 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Trichloroethene	96745.04	< 2	22 (111 %R)	22 (112 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	96745.04	< 2	21 (106 %R)	21 (107 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Dibromomethane	96745.04	< 2	22 (108 %R)	22 (108 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Bromodichloromethane	96745.04	< 0.5	23 (115 %R)	23 (116 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,4-Dioxane	96745.04	< 50	< 50 (124 %R)	< 50 (123 %R) (1 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
4-Methyl-2-pentanone(MIBK)	96745.04	< 10	20 (104 %R)	20 (102 %R) (2 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
cis-1,3-Dichloropropene	96745.04	< 2	24 (121 %R)	24 (122 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Toluene	96745.04	< 1	24 (118 %R)	24 (120 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	96745.04	< 2	21 (104 %R)	21 (106 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	96745.04	< 2	23 (114 %R)	23 (115 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
2-Hexanone	96745.04	< 10	20 (114 %R)	20 (114 %R) (0 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
Tetrachloroethene	96745.04	< 2	25 (123 %R)	25 (126 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	96745.04	< 2	22 (111 %R)	22 (112 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Dibromochloromethane	96745.04	< 2	24 (120 %R)	25 (123 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	96745.04	< 2	22 (110 %R)	22 (112 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Chlorobenzene	96745.04	< 2	24 (118 %R)	24 (120 %R) (2 RPD)	2/10/2011	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	96745.04	< 2	26 (130 %R)	* 27 (135 %R) (4 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Ethylbenzene	96745.04	< 1	24 (120 %R)	25 (123 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
mp-Xylene	96745.04	< 1	49 (122 %R)	48 (121 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
o-Xylene	96745.04	< 1	24 (122 %R)	25 (125 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Styrene	96745.04	< 1	24 (119 %R)	24 (121 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Bromoform	96745.04	< 2	20 (101 %R)	21 (104 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
IsoPropylbenzene	96745.04	< 1	* 26 (132 %R)	* 27 (134 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Bromobenzene	96745.04	< 2	22 (112 %R)	23 (115 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	96745.04	< 2	21 (105 %R)	21 (107 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	96745.04	< 2	21 (103 %R)	22 (108 %R) (5 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
n-Propylbenzene	96745.04	< 1	24 (118 %R)	25 (123 %R) (4 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
2-Chlorotoluene	96745.04	< 2	23 (115 %R)	24 (122 %R) (6 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
4-Chlorotoluene	96745.04	< 2	23 (113 %R)	24 (118 %R) (4 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	96745.04	< 1	24 (122 %R)	26 (128 %R) (5 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
tert-Butylbenzene	96745.04	< 1	25 (126 %R)	26 (129 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	96745.04	< 1	24 (120 %R)	25 (125 %R) (4 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
sec-Butylbenzene	96745.04	< 1	25 (123 %R)	25 (127 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	96745.04	< 1	23 (115 %R)	24 (122 %R) (6 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	96745.04	< 1	24 (122 %R)	26 (129 %R) (6 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	96745.04	< 1	23 (115 %R)	24 (118 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	96745.04	< 1	22 (111 %R)	23 (117 %R) (5 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
n-Butylbenzene	96745.04	< 1	24 (120 %R)	25 (126 %R) (5 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	96745.04	< 2	19 (93 %R)	19 (93 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	96745.04	< 1	23 (115 %R)	23 (117 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	96745.04	< 1	22 (112 %R)	24 (120 %R) (7 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	96745.04	< 0.5	19 (96 %R)	21 (104 %R) (8 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Naphthalene	96745.04	< 5	22 (108 %R)	23 (116 %R) (7 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	96745.04	< 1	21 (107 %R)	22 (112 %R) (5 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	96745.04	93 %R	103 %R	102 %R	2/10/2011	% Rec	70 - 130	20	8260B
1,2-Dichlorobenzene-d4 (surr)	96745.04	108 %R	99 %R	101 %R	2/10/2011	% Rec	70 - 130	20	8260B
Toluene-d8 (surr)	96745.04	100 %R	103 %R	104 %R	2/10/2011	% 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.

Analytes that exceed the acceptance limits high in the quality control samples but are not detected in the field samples do not impact the data. For analytes that show low recovery in the quality control samples and are not detected in the field samples, a low point calibration standard is analyzed to support the reporting limit.

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

Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Dichlorodifluoromethane	< 5	19 (95 %R)	19 (96 %R) (1 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
Chloromethane	< 2	19 (95 %R)	19 (96 %R) (1 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
Vinyl chloride	< 2	18 (88 %R)	17 (85 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Bromomethane	< 2	22 (111 %R)	22 (112 %R) (1 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
Chloroethane	< 5	20 (101 %R)	20 (102 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Trichlorofluoromethane	< 5	22 (108 %R)	22 (108 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Diethyl Ether	< 5	20 (98 %R)	20 (100 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Acetone	< 10	20 (89 %R)	20 (92 %R) (3 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
1,1-Dichloroethene	< 1	19 (97 %R)	19 (97 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
tert-Butyl Alcohol (TBA)	< 30	90 (93 %R)	90 (91 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Methylene chloride	< 5	21 (105 %R)	21 (104 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Carbon disulfide	< 5	18 (89 %R)	18 (88 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Methyl-t-butyl ether(MTBE)	< 5	20 (101 %R)	21 (103 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Ethyl-t-butyl ether(ETBE)	< 5	20 (101 %R)	20 (101 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Isopropyl ether(DIPE)	< 5	20 (99 %R)	20 (98 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
tert-amyl methyl ether(TAME)	< 5	21 (106 %R)	21 (107 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
trans-1,2-Dichloroethene	< 2	20 (99 %R)	20 (99 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,1-Dichloroethane	< 2	20 (100 %R)	20 (99 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
2,2-Dichloropropane	< 2	21 (103 %R)	20 (99 %R) (4 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
cis-1,2-Dichloroethene	< 2	20 (102 %R)	20 (102 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
2-Butanone(MEK)	< 10	20 (88 %R)	20 (89 %R) (1 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
Bromochloromethane	< 2	19 (97 %R)	20 (99 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Tetrahydrofuran(THF)	< 10	20 (88 %R)	20 (85 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Chloroform	< 2	21 (106 %R)	21 (105 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,1,1-Trichloroethane	< 2	21 (107 %R)	21 (107 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Carbon tetrachloride	< 2	23 (115 %R)	22 (112 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,1-Dichloropropene	< 2	20 (102 %R)	20 (100 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Benzene	< 1	21 (104 %R)	21 (104 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2-Dichloroethane	< 2	20 (100 %R)	20 (100 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Trichloroethene	< 2	20 (101 %R)	20 (100 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2-Dichloropropane	< 2	20 (98 %R)	20 (100 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Dibromomethane	< 2	21 (103 %R)	20 (101 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Bromodichloromethane	< 0.5	21 (105 %R)	22 (108 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,4-Dioxane	< 50	< 50 (127 %R)	< 50 (107 %R) (17 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
4-Methyl-2-pentanone(MIBK)	< 10	20 (90 %R)	20 (94 %R) (4 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
cis-1,3-Dichloropropene	< 2	23 (113 %R)	23 (114 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Toluene	< 1	22 (110 %R)	22 (108 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
trans-1,3-Dichloropropene	< 2	20 (98 %R)	19 (97 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,1,2-Trichloroethane	< 2	22 (108 %R)	21 (104 %R) (4 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
2-Hexanone	< 10	20 (103 %R)	20 (100 %R) (3 RPD)	2/10/2011	ug/l	40 - 160	20	8260B
Tetrachloroethene	< 2	23 (113 %R)	22 (110 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,3-Dichloropropane	< 2	21 (105 %R)	21 (103 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Dibromochloromethane	< 2	23 (114 %R)	23 (113 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2-Dibromoethane(EDB)	< 2	22 (108 %R)	21 (104 %R) (4 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Chlorobenzene	< 2	22 (111 %R)	22 (109 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B

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

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Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,1,1,2-Tetrachloroethane	< 2	25 (125 %R)	24 (122 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Ethylbenzene	< 1	23 (113 %R)	22 (109 %R) (4 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
mp-Xylene	< 1	45 (113 %R)	44 (111 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
o-Xylene	< 1	23 (115 %R)	23 (114 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Styrene	< 1	22 (112 %R)	22 (112 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Bromoform	< 2	19 (97 %R)	19 (97 %R) (0 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
IsoPropylbenzene	< 1	24 (122 %R)	24 (118 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Bromobenzene	< 2	22 (109 %R)	21 (107 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,1,2,2-Tetrachloroethane	< 2	20 (102 %R)	20 (100 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichloropropane	< 2	20 (102 %R)	20 (99 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
n-Propylbenzene	< 1	23 (114 %R)	22 (111 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
2-Chlorotoluene	< 2	23 (113 %R)	22 (108 %R) (5 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
4-Chlorotoluene	< 2	22 (111 %R)	22 (108 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,3,5-Trimethylbenzene	< 1	23 (117 %R)	23 (115 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
tert-Butylbenzene	< 1	24 (118 %R)	23 (116 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2,4-Trimethylbenzene	< 1	23 (117 %R)	23 (113 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
sec-Butylbenzene	< 1	23 (116 %R)	23 (114 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,3-Dichlorobenzene	< 1	23 (113 %R)	22 (110 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
p-Isopropyltoluene	< 1	24 (118 %R)	23 (116 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,4-Dichlorobenzene	< 1	22 (112 %R)	22 (110 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2-Dichlorobenzene	< 1	22 (110 %R)	22 (109 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
n-Butylbenzene	< 1	23 (115 %R)	22 (109 %R) (5 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2-Dibromo-3-chloropropane	< 2	17 (87 %R)	18 (90 %R) (3 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,3,5-Trichlorobenzene	< 1	23 (113 %R)	22 (108 %R) (5 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2,4-Trichlorobenzene	< 1	23 (113 %R)	22 (112 %R) (1 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Hexachlorobutadiene	< 0.5	20 (98 %R)	19 (96 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
Naphthalene	< 5	22 (109 %R)	21 (107 %R) (2 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
1,2,3-Trichlorobenzene	< 1	21 (106 %R)	20 (102 %R) (4 RPD)	2/10/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	96 %R	102 %R	101 %R	2/10/2011	% Rec	70 - 130	20	8260B
1,2-Dichlorobenzene-d4 (surr)	102 %R	100 %R	101 %R	2/10/2011	% Rec	70 - 130	20	8260B
Toluene-d8 (surr)	101 %R	103 %R	101 %R	2/10/2011	% 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.

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

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Sample ID:	GW-BP-4-49-0211	GW-BP-4-49-Dup-0211	Equipment Blank	Field Blank	Trip Blank - 1,4 Diox.
Lab Sample ID:	96745.02	96745.03	96745.06	96745.07	96745.09
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	2/8/11	2/8/11	2/8/11	2/8/11	1/6/11
Date Received:	2/8/11	2/8/11	2/8/11	2/8/11	2/8/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	2/15/11	2/15/11	2/15/11	2/15/11	2/15/11
Analyst:	VG	VG	VG	VG	VG
Method:	8260B SIM	8260B SIM	8260B SIM	8260B SIM	8260B SIM
Dilution Factor:	1	1	1	1	1
1,4-Dioxane	**9**	**9**	< 1	< 1	< 1
4-Bromofluorobenzene (surr)	**100 %R**	**104 %R**	**102 %R**	**104 %R**	**103 %R**
Toluene-d8 (surr)	**91 %R**	**91 %R**	**90 %R**	**90 %R**	**90 %R**

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

Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	< 1	3 (116 %R)	3 (127 %R) (9 RPD)	2/15/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	101 %R	99 %R	100 %R	2/15/2011	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	90 %R	89 %R	90 %R	2/15/2011	% 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.

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

Client Designation: **Coakley Landfill | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
1,4-Dioxane	96745.02	9	15 (118 %R)	14 (102 %R) (15 RPD)	2/15/2011	ug/l	70 - 130	20	8260B
4-Bromofluorobenzene (surr)	96745.02	100 %R	100 %R	102 %R	2/15/2011	% Rec	70 - 130	50	8260B
Toluene-d8 (surr)	96745.02	91 %R	89 %R	89 %R	2/15/2011	% 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.

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

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Sample ID:	GW-BP-4-49-0211	GW-BP-4-49 -Dup-0211	Equipment Blank	Field Blank	Trip Blank - EDBDBCP
Lab Sample ID:	96745.02	96745.03	96745.06	96745.07	96745.1
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	2/8/11	2/8/11	2/8/11	2/8/11	11/17/10
Date Received:	2/8/11	2/8/11	2/8/11	2/8/11	2/8/11
Units:	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Extraction/Prep:	2/10/11	2/10/11	2/10/11	2/10/11	2/10/11
Date of Analysis:	2/10/11	2/10/11	2/10/11	2/10/11	2/10/11
Analyst:	JMR	JMR	JMR	JMR	JMR
Method:	8011/504	8011/504	8011/504	8011/504	8011/504
Dilution Factor:	1	1	1	1	1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Dibromochloropropane (DBCP)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1,2-Tetrachloroethane (surr)	**85 %R**	**97 %R**	**89 %R**	**91 %R**	**92 %R**

Client: **Provan & Lorber (Co)** **Batch ID:** 734178-33016/A021011EDBDB1

Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	< 0.02	0.13 (125 %R)	0.11 (110 %R) (13 RPD)	2/10/2011	ug/l	70 - 130	20	8011/504
Dibromochloropropane (DBCP)	< 0.02	0.13 (127 %R)	0.12 (117 %R) (8 RPD)	2/10/2011	ug/l	70 - 130	20	8011/504
1,1,1,2-Tetrachloroethane (surr)	96 %R	82 %R	79 %R	2/10/2011	% Rec	65 - 135	20	8011/504

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.

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

Client Designation: **Coakley Landfill | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Analysis Date	Units	Limits	RPD	Method
1,2-Dibromoethane(EDB)	96745.02	< 0.02	0.09 (93 %R)	0.11 (108 %R) (15 RPD)	2/10/2011	ug/l	70 - 130	20	8011/50
Dibromochloropropane	96745.02	< 0.02	0.10 (97 %R)	0.11 (112 %R) (14 RPD)	2/10/2011	ug/l	70 - 130	20	8011/50
1,1,1,2-Tetrachloroethane	96745.02	85 %R	91 %R	99 %R	2/10/2011	% Rec	65 - 135	20	8011/50

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.

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

Client Designation: **Coakley Landfill | P0081**

Sample ID:	GW-MW-6-150-0211	GW-GZ-125-72-0211	GW-GZ-125-72-Dup-0211					
Lab Sample ID:	96745.01	96745.04	96745.05					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	2/8/11	2/8/11	2/8/11					
Date Received:	2/8/11	2/8/11	2/8/11	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Aluminum	< 0.05	< 0.05	< 0.05	AqTot	mg/L	2/11/11	200.8	DS
Antimony	< 0.001	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Arsenic	< 0.001	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Barium	**0.007**	**0.004**	**0.004**	AqTot	mg/L	2/11/11	200.8	DS
Beryllium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Calcium	**15**	**14**	**14**	AqTot	mg/L	2/11/11	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Copper	**0.002**	**0.002**	**0.002**	AqTot	mg/L	2/11/11	200.8	DS
Cobalt	**0.001**	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Iron	**2.8**	**0.48**	**0.48**	AqDis	mg/L	2/11/11	200.8	DS
Iron	**4.9**	**5.4**	**6.6**	AqTot	mg/L	2/11/11	200.8	DS
Lead	**0.003**	**0.002**	**0.002**	AqTot	mg/L	2/11/11	200.8	DS
Magnesium	**5.2**	**7.6**	**7.8**	AqTot	mg/L	2/11/11	200.8	DS
Manganese	**1.9**	**0.24**	**0.24**	AqDis	mg/L	2/11/11	200.8	DS
Manganese	**1.9**	**0.29**	**0.30**	AqTot	mg/L	2/11/11	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	2/11/11	200.8	DS
Nickel	**0.002**	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Potassium	**1.6**	**2.4**	**2.5**	AqTot	mg/L	2/11/11	200.8	DS
Selenium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Silver	< 0.001	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Sodium	**11**	**16**	**17**	AqTot	mg/L	2/11/11	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Vanadium	< 0.001	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Zinc	**0.014**	**0.012**	**0.013**	AqTot	mg/L	2/11/11	200.8	DS

LABORATORY REPORT

EAI ID#: 96745

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

Client Designation: **Coakley Landfill | P0081**

Sample ID:	Equipment Blank	Field Blank					
Lab Sample ID:	96745.06	96745.07					
Matrix:	aqueous	aqueous					
Date Sampled:	2/8/11	2/8/11					
Date Received:	2/8/11	2/8/11	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Aluminum	< 0.05	< 0.05	AqTot	mg/L	2/11/11	200.8	DS
Antimony	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Arsenic	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Barium	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Beryllium	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Calcium	**0.06**	< 0.05	AqTot	mg/L	2/11/11	200.8	DS
Cadmium	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Chromium	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Copper	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Cobalt	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Iron	< 0.05	< 0.05	AqDis	mg/L	2/11/11	200.8	DS
Iron	< 0.05	< 0.05	AqTot	mg/L	2/11/11	200.8	DS
Lead	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Magnesium	< 0.05	< 0.05	AqTot	mg/L	2/11/11	200.8	DS
Manganese	< 0.005	< 0.005	AqDis	mg/L	2/11/11	200.8	DS
Manganese	< 0.005	< 0.005	AqTot	mg/L	2/11/11	200.8	DS
Mercury	< 0.0001	< 0.0001	AqTot	mg/L	2/11/11	200.8	DS
Nickel	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Potassium	< 0.05	< 0.05	AqTot	mg/L	2/11/11	200.8	DS
Selenium	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Silver	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Sodium	< 5	< 5	AqTot	mg/L	2/11/11	200.8	DS
Thallium	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Vanadium	< 0.001	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Zinc	< 0.005	< 0.005	AqTot	mg/L	2/11/11	200.8	DS

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

Client Designation: **Coakley Landfill | P0081**

Sample ID: GW-BP-4-49-0211

Lab Sample ID: 96745.02
Matrix: aqueous
Date Sampled: 2/8/11
Date Received: 2/8/11

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Aluminum	< 0.05	AqTot	mg/L	2/14/11	200.8	DS
Antimony	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Arsenic	**0.034**	AqTot	mg/L	2/11/11	200.8	DS
Barium	**0.047**	AqTot	mg/L	2/11/11	200.8	DS
Beryllium	< 0.001	AqTot	mg/L	2/14/11	200.8	DS
Calcium	**49**	AqTot	mg/L	2/14/11	200.8	DS
Cadmium	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Chromium	< 0.001	AqTot	mg/L	2/14/11	200.8	DS
Copper	< 0.001	AqTot	mg/L	2/14/11	200.8	DS
Cobalt	**0.007**	AqTot	mg/L	2/14/11	200.8	DS
Iron	**31**	AqTot	mg/L	2/14/11	200.8	DS
Lead	**0.004**	AqTot	mg/L	2/11/11	200.8	DS
Magnesium	**19**	AqTot	mg/L	2/14/11	200.8	DS
Manganese	**1.2**	AqTot	mg/L	2/14/11	200.8	DS
Mercury	< 0.0001	AqTot	mg/L	2/11/11	200.8	DS
Nickel	**0.015**	AqTot	mg/L	2/14/11	200.8	DS
Potassium	**17**	AqTot	mg/L	2/14/11	200.8	DS
Selenium	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Silver	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Sodium	**64**	AqTot	mg/L	2/14/11	200.8	DS
Thallium	< 0.001	AqTot	mg/L	2/11/11	200.8	DS
Vanadium	< 0.001	AqTot	mg/L	2/14/11	200.8	DS
Zinc	**0.006**	AqTot	mg/L	2/14/11	200.8	DS

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

Client Designation: **Coakley Landfill | P0081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	< 0.05	11 (98 %R)		mg/L	2/11/11	85 - 115	20	200.8
Antimony	< 0.001	1.1 (113 %R)		mg/L	2/11/11	85 - 115	20	200.8
Arsenic	< 0.001	1.0 (102 %R)		mg/L	2/11/11	85 - 115	20	200.8
Barium	< 0.001	1.1 (109 %R)		mg/L	2/11/11	85 - 115	20	200.8
Beryllium	< 0.001	1.1 (110 %R)		mg/L	2/11/11	85 - 115	20	200.8
Calcium	< 0.05	12 (105 %R)		mg/L	2/11/11	85 - 115	20	200.8
Cadmium	< 0.001	1.1 (105 %R)		mg/L	2/11/11	85 - 115	20	200.8
Chromium	< 0.001	1.1 (109 %R)		mg/L	2/11/11	85 - 115	20	200.8
Copper	< 0.001	1.0 (100 %R)		mg/L	2/11/11	85 - 115	20	200.8
Cobalt	< 0.001	1.1 (106 %R)		mg/L	2/11/11	85 - 115	20	200.8
Iron	< 0.05	12 (107 %R)		mg/L	2/11/11	85 - 115	20	200.8
Lead	< 0.001	1.1 (108 %R)		mg/L	2/11/11	85 - 115	20	200.8
Magnesium	< 0.05	11 (100 %R)		mg/L	2/11/11	85 - 115	20	200.8
Manganese	< 0.005	1.1 (107 %R)		mg/L	2/11/11	85 - 115	20	200.8
Mercury	< 0.0001	0.0011 (107 %R)		mg/L	2/11/11	85 - 115	20	200.8
Nickel	< 0.001	0.93 (93 %R)		mg/L	2/11/11	85 - 115	20	200.8
Potassium	< 0.05	11 (99 %R)		mg/L	2/11/11	85 - 115	20	200.8
Selenium	< 0.001	1.0 (103 %R)		mg/L	2/11/11	85 - 115	20	200.8
Silver	< 0.001	0.098 (98 %R)		mg/L	2/11/11	85 - 115	20	200.8
Sodium	< 5	11 (99 %R)		mg/L	2/11/11	85 - 115	20	200.8
Thallium	< 0.001	1.1 (110 %R)		mg/L	2/11/11	85 - 115	20	200.8
Vanadium	< 0.001	1.1 (109 %R)		mg/L	2/11/11	85 - 115	20	200.8
Zinc	< 0.005	0.92 (92 %R)		mg/L	2/11/11	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 | P0081**

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Aluminum	96745.04	< 0.05	9.4 (86 %R)	9.4 (85 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8
Antimony	96745.04	< 0.001	1.1 (113 %R)	1.1 (114 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8
Arsenic	96745.04	< 0.001	0.97 (97 %R)	0.97 (97 %R) (0 RPD)	mg/L	2/11/11	70-130	20	200.8
Barium	96745.04	0.004	1.1 (109 %R)	1.1 (110 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8
Beryllium	96745.04	< 0.001	0.90 (90 %R)	0.89 (89 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8
Calcium	96745.04	14	24 (94 %R)	25 (98 %R) (4 RPD)	mg/L	2/11/11	70-130	20	200.8
Cadmium	96745.04	< 0.001	1.0 (102 %R)	1.1 (106 %R) (4 RPD)	mg/L	2/11/11	70-130	20	200.8
Chromium	96745.04	< 0.001	0.95 (95 %R)	0.93 (93 %R) (2 RPD)	mg/L	2/11/11	70-130	20	200.8
Copper	96745.04	0.002	0.86 (86 %R)	0.85 (85 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8
Cobalt	96745.04	< 0.001	0.92 (92 %R)	0.91 (91 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8
Iron	96745.04	5.4	15 (84 %R)	15 (86 %R) (2 RPD)	mg/L	2/11/11	70-130	20	200.8
Lead	96745.04	0.002	1.1 (106 %R)	1.1 (107 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8
Magnesium	96745.04	7.6	17 (86 %R)	17 (89 %R) (3 RPD)	mg/L	2/11/11	70-130	20	200.8
Manganese	96745.04	0.29	1.2 (95 %R)	1.2 (92 %R) (3 RPD)	mg/L	2/11/11	70-130	20	200.8
Mercury	96745.04	< 0.0001	0.0010 (102 %R)	0.0010 (103 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8
Nickel	96745.04	< 0.001	0.79 (79 %R)	0.78 (78 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8
Potassium	96745.04	2.4	12 (86 %R)	12 (88 %R) (2 RPD)	mg/L	2/11/11	70-130	20	200.8
Selenium	96745.04	< 0.001	0.96 (96 %R)	0.97 (97 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8
Silver	96745.04	< 0.001	0.89 (89 %R)	0.89 (89 %R) (0 RPD)	mg/L	2/11/11	70-130	20	200.8
Sodium	96745.04	16	27 (94 %R)	26 (92 %R) (2 RPD)	mg/L	2/11/11	70-130	20	200.8
Thallium	96745.04	< 0.001	1.1 (108 %R)	1.1 (109 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8
Vanadium	96745.04	< 0.001	0.94 (94 %R)	0.95 (95 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8
Zinc	96745.04	0.012	0.76 (75 %R)	0.78 (77 %R) (3 RPD)	mg/L	2/11/11	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 | P0081**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Iron	< 0.05	12 (107 %R)		mg/L	2/11/11	85 - 115	20	200.8
Manganese	< 0.005	1.1 (107 %R)		mg/L	2/11/11	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	96745.04	0.48	11 (97 %R)	11 (95 %R) (2 RPD)	mg/L	2/11/11	70-130	20	200.8
Manganese	96745.04	0.24	1.1 (91 %R)	1.1 (90 %R) (1 RPD)	mg/L	2/11/11	70-130	20	200.8

Dissolved

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 1

CHAIN-OF-CUSTODY RECORD

96745

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: 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 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_3 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: EDB, DBCP	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
GW-MW-6-150-0211	2-8-11 / 15:00	GW	G			X									X	X														4	
GW-BP-4-49-0211	10:30															X												X	X	15	
GW-BP-4-49-DUP-0211	10:30																											X	X	4	
GW-GZ-125-72-0211	13:00					X									X	X														16	
GW-GZ-125-72-DUP-0211	13:00					X									X	X														4	
Equipment Blank	14:00	DI				X									X	X												X	X	8	
Field Blank	14:15	DI				X									X	X												X	X	8	
Trip Blank						X																						X	X	5	

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 389

CITY: Con Nocook STATE: ZIP:

PHONE: 603-746-7220 EXT.:

FAX: 746-5642

E-MAIL:

SITE NAME: Coakley Landfill

PROJECT #: P0081

STATE: (NH) MA ME VT OTHER: EPA

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

QUOTE #: Special 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. 3 °C

ICE? (YES) NO

SAMPLER(S): K. McKibben

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	2-8-11	16:34	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

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

OTHER METALS: Total = 23 TAL metals

DISSOLVED METALS FIELD FILTERED? YES NO

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

Sample GW-BP-4-49-0211
MS+MSD for 1,4-Dioxane and EDB, DBCP

Sample GW-GZ-125-72-0211
MS+MSD for Dis. Fe, Mn Total TAL Metals, and VOCs

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
Initial Calibration
96745

IS/SS ID= V- ~~3711~~ 3712V3716 ICAL

Standard ID= V- 3712A 3713AV3717A 4V1D1214

Gas Standard ID= V- ~~3713~~ 3714V3718

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

Analyst: WSP

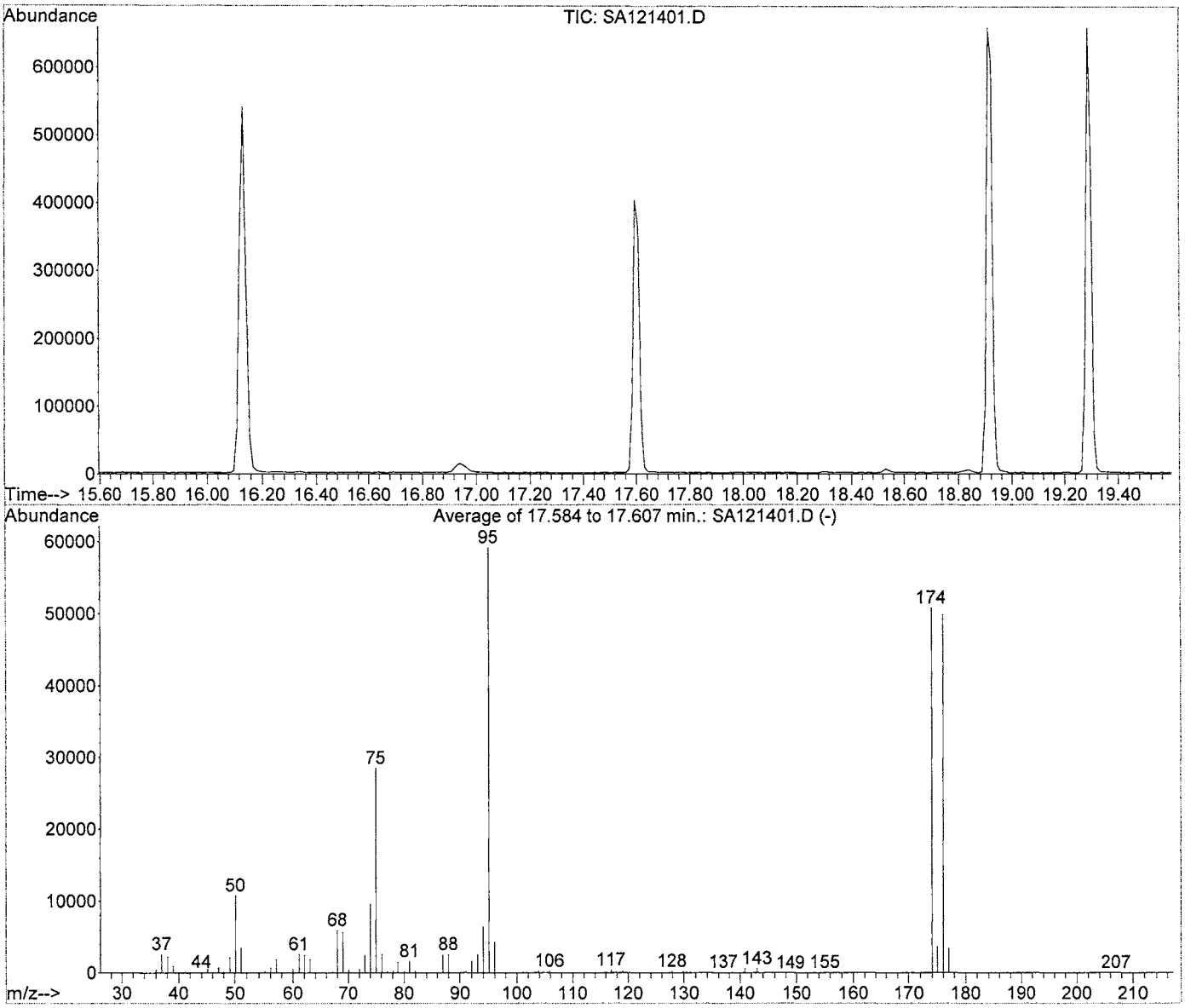
Date: 12/14/10

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA121401	BFB					VOCMS	4V1D1214	Autofind BFB		✓
2	02	25ng BFB					VOCMS	4V1D1214	rerun 25ng BFB		
3	03	0.25 STD (0.2G)					VOCMS		802 0.25M, 0.2G FB: 350778 VC:		
4	04	0.5 STD					VOCMS		FB 354346		
5	05	1 STD					VOCMS		FB 350345773		
6	06	2 STD					VOCMS		353470		
7	07	5 STD					VOCMS		352568		
8	08	10 STD					VOCMS		357431		
9	09	20 STD					VOCMS		357491		
10	10	25ng BFB					VOCMS		Autofind BFB		✓
11	11	50 M					VOCMS				
12	12	50 G					VOCMS		353372		
13	13	100 M					VOCMS		366807		
14	14	100 G					VOCMS		357043		
15	15	200 G					VOCMS		3666869		
16	16	200 M					VOCMS		372367		
17	17	300 G					VOCMS		372206		
18	18	~~400~~ G (MW) Blank					VOCMS				
19	19	Blank					VOCMS				
20	20	300 M					VOCMS		356948		
21	21	Blank					VOCMS				
22	22	Blank					VOCMS				
23	23	Blank					VOCMS				
24	24	Blank					VOCMS				
25	25	~~Leg~~ (MW) Blank					VOCMS		preserved		
26	26	~~100~~ G Blank					VOCMS		Blank		
							VOCMS				
							~~VOCMS~~				
							VOCMS				
							VOCMS				
							VOCMS				
39	39	Blank					VOCMS				
40	40	Blank					VOCMS				
							~~VOCMS~~				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							~~VOCMS~~				

WSP 12/14/10

Samples removed from autosampler, order and pH verified by_____

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121401.D Vial: 1
Acq On : 14 Dec 2010 7:09 am Operator: KJP
Sample : BFB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane



Spectrum Information: Average of 17.584 to 17.607 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	10818	PASS
75	95	30	60	48.1	28507	PASS
95	95	100	100	100.0	59205	PASS
96	95	5	9	7.2	4274	PASS
173	174	0.00	2	0.1	35	PASS
174	95	50	100	85.8	50782	PASS
175	174	5	9	7.3	3694	PASS
176	174	95	101	98.1	49810	PASS
177	176	5	9	6.9	3453	PASS

Response Factor Report VOAMS4

Method : T:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration

Calibration Files
0.25 =SA121403.D 0.5 =SA121404.D 1 =SA121405.D
2 =SA121406.D 5 =SA121407.D 10 =SA121408.D

		Compound	0.25	0.5	1	2	5	10	Avg	%RSD
1)	I	Fluorobenzene IS	----------			ISTD	----------			
2)		dichlorodifluor			0.203	0.259	0.305	0.307	0.284	11.93
3)	P	chloromethane			0.238	0.265	0.286	0.270	0.245	9.90
4)	C	vinyl chloride	0.204	0.189	0.169	0.211	0.220	0.191	0.185	14.47#
5)		bromomethane				0.126	0.145	0.149	0.154	9.42
6)		chloroethane			0.118	0.133	0.160	0.155	0.142	8.80
7)		trichlorofluoro			0.301	0.356	0.414	0.413	0.379	9.81
8)		diethyl ether			0.163	0.167	0.171	0.173	0.169	2.64
9)		1,1,2-Trichloro			0.213	0.228	0.227	0.231	0.218	3.79
10)		acrolein				0.028	0.033	0.033	0.033	7.34
11)		acetone					0.072	0.069	0.061	11.58
12)	MC	1,1-dichloroeth		0.219	0.208	0.214	0.214	0.213	0.210	2.72
13)		tert-Butyl Alco					0.017	0.019	0.019	5.22
14)		iodomethane							0.000	-1.00
15)		methylene chlor	0.526	0.453	0.393	0.482	0.406	0.303	0.337	35.11
16)		carbon disulfid			0.632	0.670	0.688	0.730	0.689	4.34
17)		acrylonitrile					0.089	0.091	0.085	7.50
18)		Methyl-t-butyl		0.580	0.537	0.570	0.554	0.573	0.552	4.88
19)		trans-1,2-dichl		0.310	0.281	0.286	0.291	0.297	0.289	3.59
20)		hexane				0.269	0.288	0.299	0.296	4.55
21)		Isopropyl ether			0.723	0.744	0.763	0.813	0.789	5.20
22)		vinyl acetate					0.327	0.382	0.438	14.93
23)	P	1,1-dichloroeth		0.514	0.484	0.497	0.504	0.524	0.500	3.21
24)		Ethyl-t-butyl e				0.618	0.655	0.708	0.712	7.06
25)		2,2-dichloropro			0.272	0.288	0.284	0.314	0.327	11.98
26)		cis-1,2-dichlor		0.301	0.272	0.287	0.305	0.318	0.304	4.90
27)		2-butanone (MEK				0.105	0.106	0.107	0.109	2.96
28)		bromochlorometh			0.149	0.159	0.156	0.163	0.159	3.25
29)		Tetrahydrofuran				0.068	0.066	0.066	0.072	6.31
30)	C	chloroform		0.501	0.497	0.506	0.513	0.521	0.502	2.82#
31)	S	SS dibromofluor	0.271	0.276	0.272	0.273	0.275	0.277	0.273	1.98
32)		1,1,1-trichloro			0.337	0.366	0.367	0.387	0.388	7.03
33)		carbon tetrachl				0.254	0.263	0.304	0.326	15.04
34)		1,1-dichloropro			0.313	0.329	0.348	0.378	0.361	7.15
35)	S	SS 1,2-DCA-d4_M	0.306	0.308	0.318	0.305	0.312	0.309	0.308	1.97
36)		tert-amyl methy				0.509	0.538	0.599	0.607	9.09
37)	M	benzene		1.136	1.065	1.108	1.136	1.165	1.082	7.80
38)		1,2-dichloroeth			0.402	0.417	0.424	0.414	0.396	6.97
39)	M	trichloroethene		0.294	0.272	0.286	0.285	0.299	0.286	3.79
40)	C	1,2-dichloropro			0.272	0.293	0.276	0.292	0.281	4.37#
41)		1,4-dioxaneV					0.003	0.003	0.003	5.01
42)		dibromomethane			0.180	0.198	0.195	0.202	0.192	5.64
43)		bromodichlorome		0.288	0.297	0.313	0.323	0.352	0.344	10.38
44)		2-Chloroethoxye		0.115			0.153	0.165	0.169	15.27
45)		4-methyl-2-pent					0.077	0.081	0.089	7.99
46)		cis-1,3-dichlor		0.296	0.291	0.312	0.356	0.375	0.369	14.56
47)	I	Chlorobenzene-D5 IS	----------			ISTD	----------			
48)	S	SS toluene-d8_M	1.219	1.219	1.214	1.246	1.226	1.207	1.219	1.22
49)	MC	toluene		1.440	1.331	1.437	1.491	1.493	1.366	11.34
50)		trans-1,3-dichl		0.272	0.288	0.344	0.374	0.435	0.402	23.92
51)		1,1,2-trichloro			0.225	0.290	0.268	0.272	0.256	9.49
52)		2-hexanone				0.139	0.140	0.168	0.172	13.16

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

Method : T:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration

Calibration Files
0.25 =SA121403.D 0.5 =SA121404.D 1 =SA121405.D
2 =SA121406.D 5 =SA121407.D 10 =SA121408.D

		Compound	0.25	0.5	1	2	5	10	Avg	%RSD
53)		tetrachloroethe			0.340	0.390	0.376	0.384	0.363	7.41
54)		1,3-dichloropro			0.483	0.527	0.523	0.547	0.504	8.58
55)		dibromochlorome				0.249	0.260	0.314	0.325	14.76
56)		1,2-dibromoetha			0.259	0.304	0.306	0.331	0.314	8.46
57)	MP	chlorobenzene			1.002	1.033	1.017	1.018	0.943	12.57
58)		1,1,1,2-tetrach			0.227	0.254	0.258	0.296	0.276	13.02
59)	C	ethylbenzene		1.409	1.363	1.484	1.555	1.605	1.429	11.98#
60)		mp-xylene		0.516	0.507	0.607	0.618	0.639	0.560	13.59
61)		o-xylene			0.466	0.542	0.568	0.610	0.551	11.74
62)		styrene			0.818	0.988	1.062	1.112	0.978	14.53
63)	P	bromoform		0.116	0.093	0.125	0.144	0.177	0.181	32.18
64)		iso-propylbenze			1.070	1.181	1.261	1.352	1.220	10.17
65)	S	SS 4-BFB_MS	0.460	0.461	0.463	0.476	0.470	0.477	0.469	1.78
66)	I	1,4-Dichlorobenzene-D	----------	----------	ISTD	----------	----------	----------	----------	
67)		bromobenzene			0.763	0.817	0.821	0.874	0.782	8.54
68)	P	1,1,2,2-tetrach			0.680	0.777	0.727	0.804	0.738	6.60
69)		1,2,3-trichloro			0.192	0.216	0.216	0.229	0.213	5.65
70)		t-1,4-dichloro-				0.166	0.162	0.201	0.191	10.00
71)		n-propylbenzene		2.793	2.635	3.083	3.054	3.328	2.893	11.10
72)		2-chlorotoluene		2.161	2.020	2.322	2.234	2.398	2.097	12.24
73)		4-chlorotoluene		1.860	1.833	2.079	2.069	2.192	1.897	11.94
74)		1,3,5-trimethyl		1.709	1.752	1.984	2.084	2.309	1.945	13.21
75)		tert-butylbenze		1.366	1.362	1.595	1.659	1.819	1.570	11.41
76)		1,2,4-trimethyl			1.794	2.268	2.228	2.423	2.072	14.32
77)		sec-butylbenzen			2.076	2.453	2.506	2.761	2.347	14.02
78)		1,3-dichloroben		1.326	1.342	1.393	1.407	1.466	1.302	11.39
79)		p-isopropyltolu			1.647	2.004	2.088	2.226	1.926	13.79
80)		1,4-dichloroben		1.410	1.477	1.503	1.425	1.492	1.340	13.49
81)		1,2-dichloroben		1.433	1.339	1.444	1.368	1.455	1.294	13.23
82)		n-butylbenzene			1.611	1.846	1.925	2.119	1.793	13.88
83)	S	SS 1,2-DCB-D4_M	0.905	0.917	0.909	0.905	0.884	0.924	0.907	1.25
84)		1,2-dibromo-3-c			0.066	0.084	0.086	0.110	0.112	24.26
85)		1,3,5-trichloro		0.890	0.822	0.968	0.913	0.987	0.894	8.92
86)		1,2,4-trichloro		0.770	0.732	0.819	0.805	0.887	0.806	7.53
87)		hexachlorobutad		0.428	0.383	0.443	0.412	0.440	0.408	6.65
88)		naphthaleneV				1.594	1.662	1.968	1.804	11.14
89)		1,2,3-trichloro		0.652	0.691	0.789	0.732	0.810	0.739	8.01
90)	S	SS 2,5-DBT_MS				0.232	0.224	0.270	0.272	10.75

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

Compound List Report VOAMS4

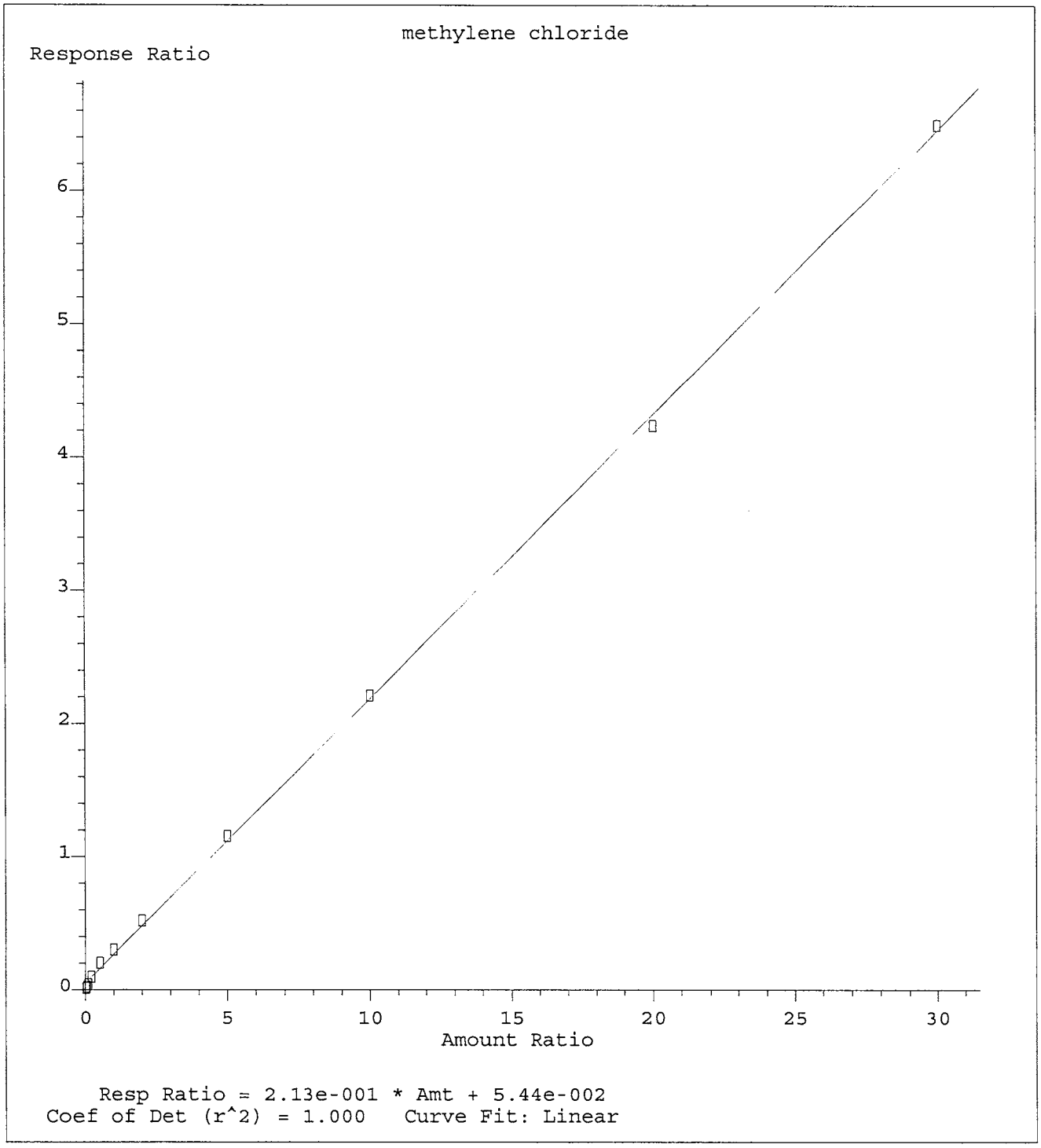
Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
Total Cpnds : 90

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene IS	96	11.20	1.000	A	2	A	B
2		dichlorodifluoromethane	85	2.64	0.236	A	2	A	B
3	P	chloromethane	50	2.94	0.262	A	1	A	B
4	C	vinyl chloride	62	3.06	0.273	A	1	A	B
5		bromomethane	94	3.63	0.324	A	1	A	B
6		chloroethane	64	3.72	0.332	A	2	A	B
7		trichlorofluoromethane	101	4.07	0.363	A	1	A	B
8		diethyl ether	59	4.50	0.402	A	2	A	B
9		1,1,2-Trichlorotrifluoroethane	101	4.72	0.421	A	2	A	B
10		acrolein	56	4.72	0.421	A	1	A	B
11		acetone	43	4.83	0.431	A	1	A	B
12	MC	1,1-dichloroethene	96	5.03	0.449	A	2	A	B
13		tert-Butyl Alcohol (TBA)	59	5.18	0.463	A	1	A	B
14		iodomethane	142	5.56	0.497	A	2	A	B
15		methylene chloride	84	5.90	0.527	L	1	A	B
16		carbon disulfide	76	5.90	0.527	A	1	A	B
17		acrylonitrile	53	6.14	0.548	A	2	A	B
18		Methyl-t-butyl ether (MTBE)	73	6.18	0.551	A	3	A	B
19		trans-1,2-dichloroethene	96	6.44	0.575	A	2	A	B
20		hexane	57	6.57	0.586	A	3	A	B
21		Isopropyl ether (DIPE)	45	7.09	0.633	A	2	A	B
22		vinyl acetate	43	7.32	0.653	A	1	A	B
23	P	1,1-dichloroethane	63	7.30	0.651	A	1	A	B
24		Ethyl-t-butyl ether (ETBE)	59	7.92	0.707	A	2	A	B
25		2,2-dichloropropane	77	8.45	0.754	A	1	A	B
26		cis-1,2-dichloroethene	96	8.55	0.764	A	2	A	B
27		2-butanone (MEK)	43	8.20	0.732	A	2	A	B
28		bromochloromethane	128	9.24	0.825	A	2	A	B
29		Tetrahydrofuran (THF)	42	9.33	0.833	A	2	A	B
30	C	chloroform	83	8.88	0.793	A	2	A	B
31	S	SS dibromofluoromethane_MS	111	9.36	0.836	A	3	A	B
32		1,1,1-trichloroethane	97	9.75	0.871	A	2	A	B
33		carbon tetrachloride	117	10.30	0.919	A	2	A	B
34		1,1-dichloropropene	75	10.11	0.902	A	2	A	B
35	S	SS 1,2-DCA-d4_MS	65	10.47	0.935	A	2	A	B
36		tert-amyl methyl ether (TAME)	73	10.39	0.928	A	2	A	B
37	M	benzene	78	10.70	0.955	A	1	A	B
38		1,2-dichloroethane	62	10.69	0.954	A	2	A	B
39	M	trichloroethene	95	12.01	1.072	A	2	A	B
40	C	1,2-dichloropropane	63	12.36	1.103	A	2	A	B
41		1,4-dioxaneV	88	12.83	1.146	A	2	A	B
42		dibromomethane	93	12.86	1.148	A	2	A	B
43		bromodichloromethane	83	12.78	1.141	A	2	A	B
44		2-Chloroethoxyethene	63	13.34	1.191	A	2	A	B
45		4-methyl-2-pentanone (MIBK)	58	13.38	1.195	A	3	A	B
46		cis-1,3-dichloropropene	75	13.69	1.222	A	2	A	B
47	I	Chlorobenzene-D5 IS	117	16.13	1.000	A	2	A	B
48	S	SS toluene-d8_MS	98	14.05	0.871	A	2	A	B
49	MC	toluene	91	14.17	0.878	A	1	A	B
50		trans-1,3-dichloropropene	75	14.46	0.896	L	2	A	B
51		1,1,2-trichloroethane	83	14.67	0.909	A	2	A	B
52		2-hexanone	43	14.70	0.911	A	2	A	B
53		tetrachloroethene	166	15.10	0.936	A	2	A	B
54		1,3-dichloropropane	76	15.03	0.931	A	2	A	B
55		dibromochloromethane	129	15.38	0.953	A	1	A	B
56		1,2-dibromoethane	107	15.64	0.970	A	1	A	B
57	MP	chlorobenzene	112	16.18	1.003	A	2	A	B
58		1,1,1,2-tetrachloroethane	131	16.24	1.006	A	2	A	B
59	C	ethylbenzene	91	16.25	1.007	A	1	A	B
60		mp-xylene	106	16.34	1.013	A	1	A	B
61		o-xylene	106	16.88	1.046	A	1	A	B
62		styrene	104	16.92	1.049	A	2	A	B
63	P	bromoform	173	17.33	1.074	L	2	A	B
64		iso-propylbenzene	105	17.30	1.072	A	1	A	B

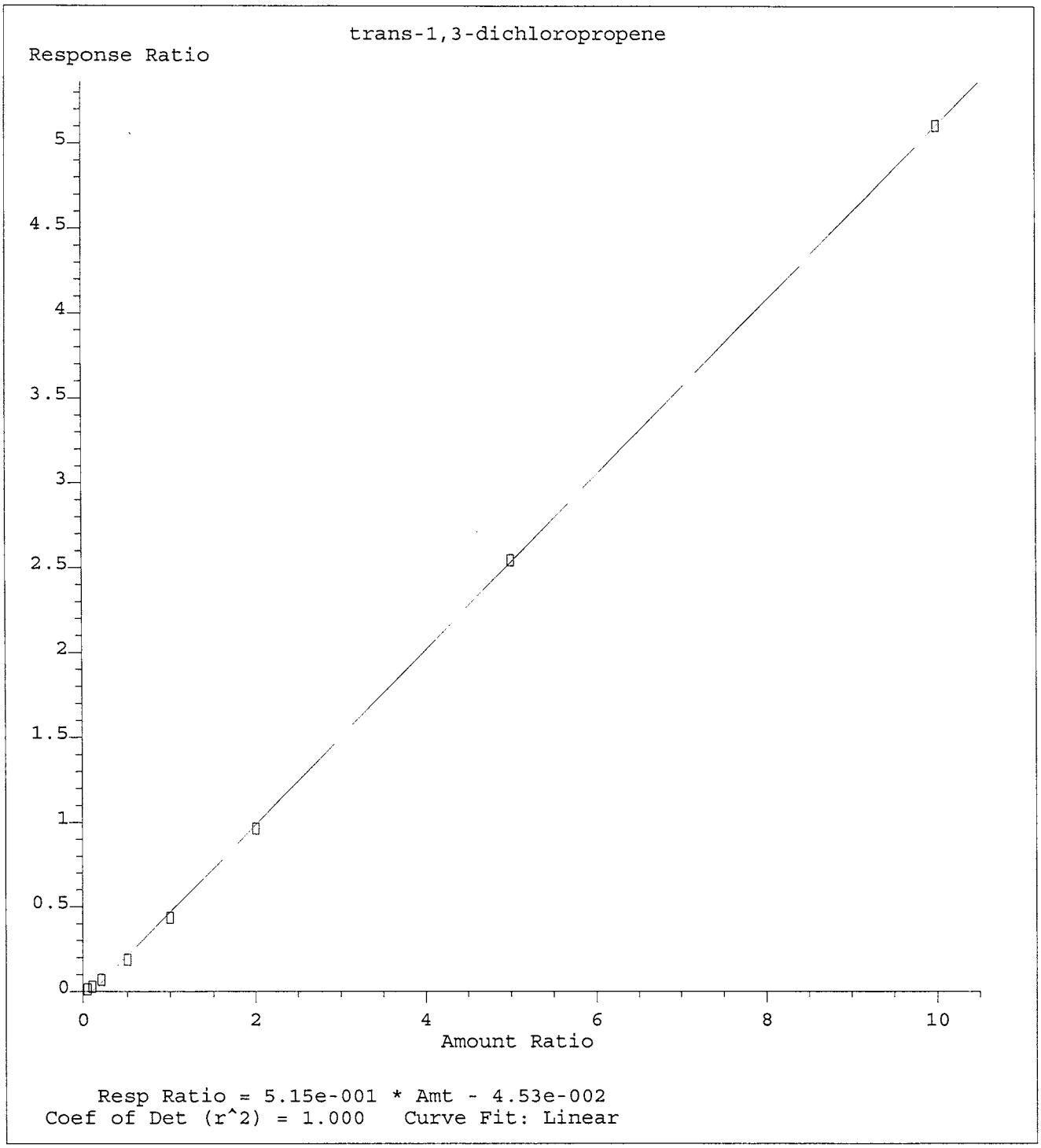
65	S	SS 4-BFB_MS	95	17.60	1.091	A	2	A	B
66	I	1,4-Dichlorobenzene-D4 IS	152	18.91	1.000	A	2	A	B
67		bromobenzene	156	17.84	0.943	A	2	A	B
68	P	1,1,2,2-tetrachloroethane	83	17.50	0.926	A	1	A	B
69		1,2,3-trichloropropane	110	17.68	0.935	A	1	A	B
70		t-1,4-dichloro-2-butene	53	17.74	0.938	A	3	A	B
71		n-propylbenzene	91	17.77	0.940	A	1	A	B
72		2-chlorotoluene	91	17.98	0.951	A	1	A	B
73		4-chlorotoluene	91	18.03	0.954	A	1	A	B
74		1,3,5-trimethylbenzene	105	17.94	0.949	A	1	A	B
75		tert-butylbenzene	119	18.35	0.970	A	1	A	B
76		1,2,4-trimethylbenzene	105	18.38	0.972	A	1	A	B
77		sec-butylbenzene	105	18.58	0.982	A	1	A	B
78		1,3-dichlorobenzeneV	146	18.84	0.996	A	2	A	B
79		p-isopropyltoluene	119	18.71	0.990	A	1	A	B
80		1,4-dichlorobenzeneV	146	18.94	1.002	A	2	A	B
81		1,2-dichlorobenzeneV	146	19.32	1.022	A	2	A	B
82		n-butylbenzene	91	19.13	1.011	A	1	A	B
83	S	SS 1,2-DCB-D4_MS	152	19.29	1.020	A	2	A	B
84		1,2-dibromo-3-chloropropane	75	20.03	1.059	L	2	A	B
85		1,3,5-trichlorobenzV	180	20.24	1.071	A	1	A	B
86		1,2,4-trichlorobenzV	180	20.88	1.104	A	2	A	B
87		hexachlorobutadieneV	225	21.01	1.111	A	2	A	B
88		naphthaleneV	128	21.18	1.120	A	1	A	B
89		1,2,3-trichlorobenzV	180	21.44	1.134	A	2	A	B
90	S	SS 2,5-DBT_MS	250	22.64	1.197	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

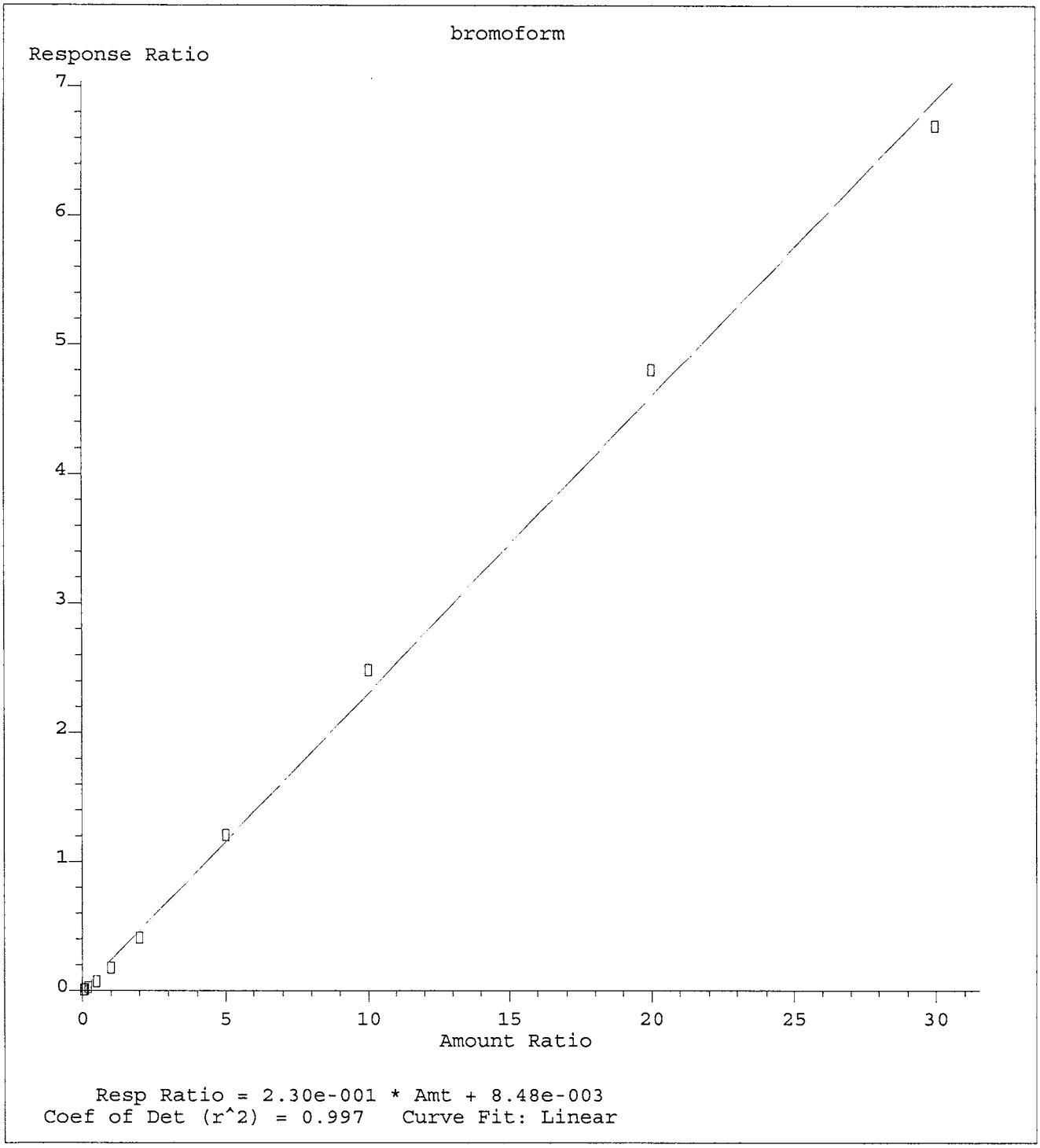
4VID1214.M Thu Feb 17 15:24:16 2011



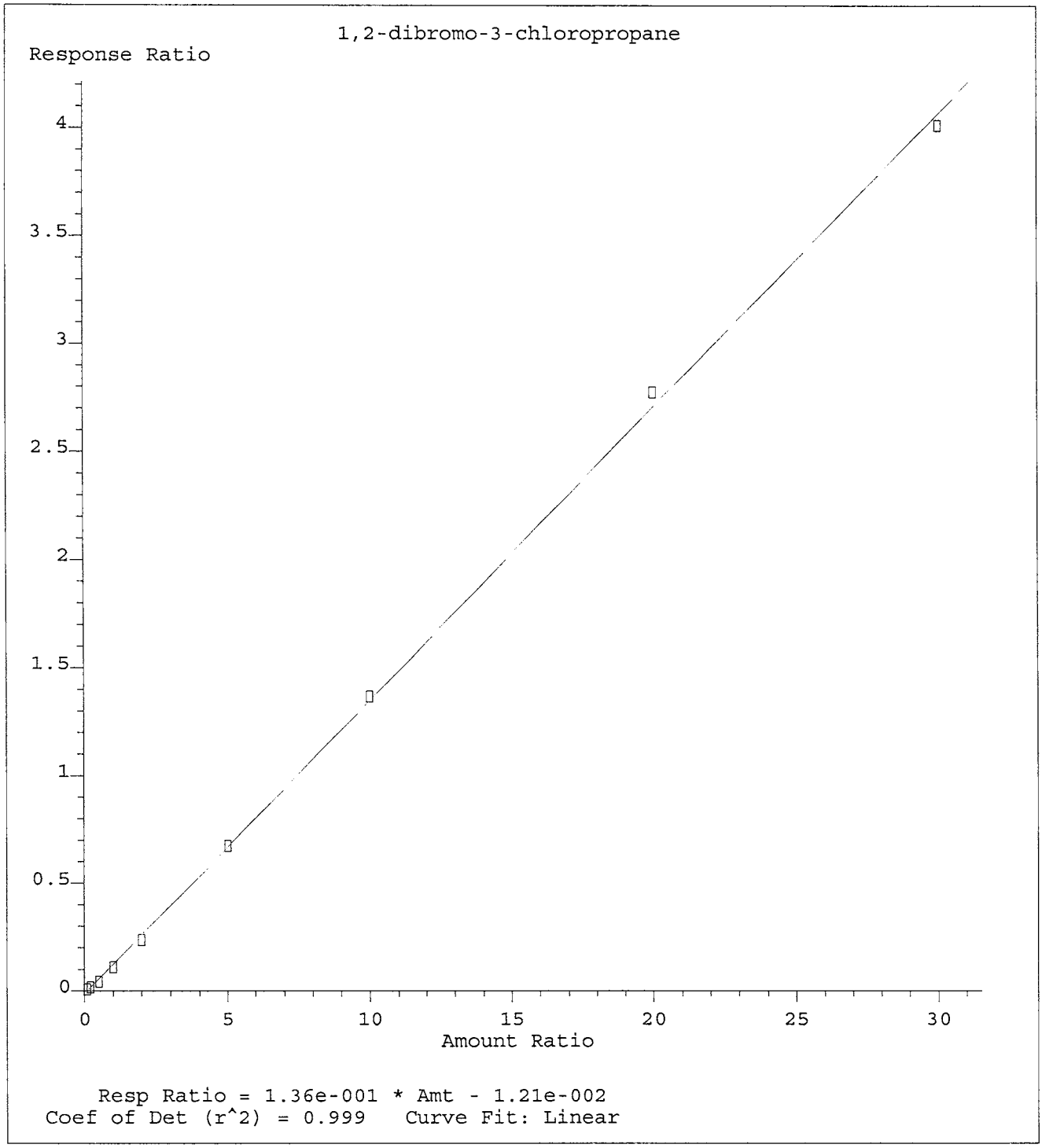
Method Name: Y:\1\METHODS\2010\4VID1214.M
Calibration Table Last Updated: Wed Dec 15 17:21:28 2010



Method Name: Y:\1\METHODS\2010\4VID1214.M
Calibration Table Last Updated: Wed Dec 15 17:21:28 2010



Method Name: Y:\1\METHODS\2010\4VID1214.M
Calibration Table Last Updated: Wed Dec 15 17:21:28 2010



Method Name: Y:\1\METHODS\2010\4VID1214.M
Calibration Table Last Updated: Wed Dec 15 17:21:28 2010

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121403.D Vial: 3
Acq On : 14 Dec 2010 8:22 am Operator: KJP
Sample : 0.25 M/0.2 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 13:44:23 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 13:44:19 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

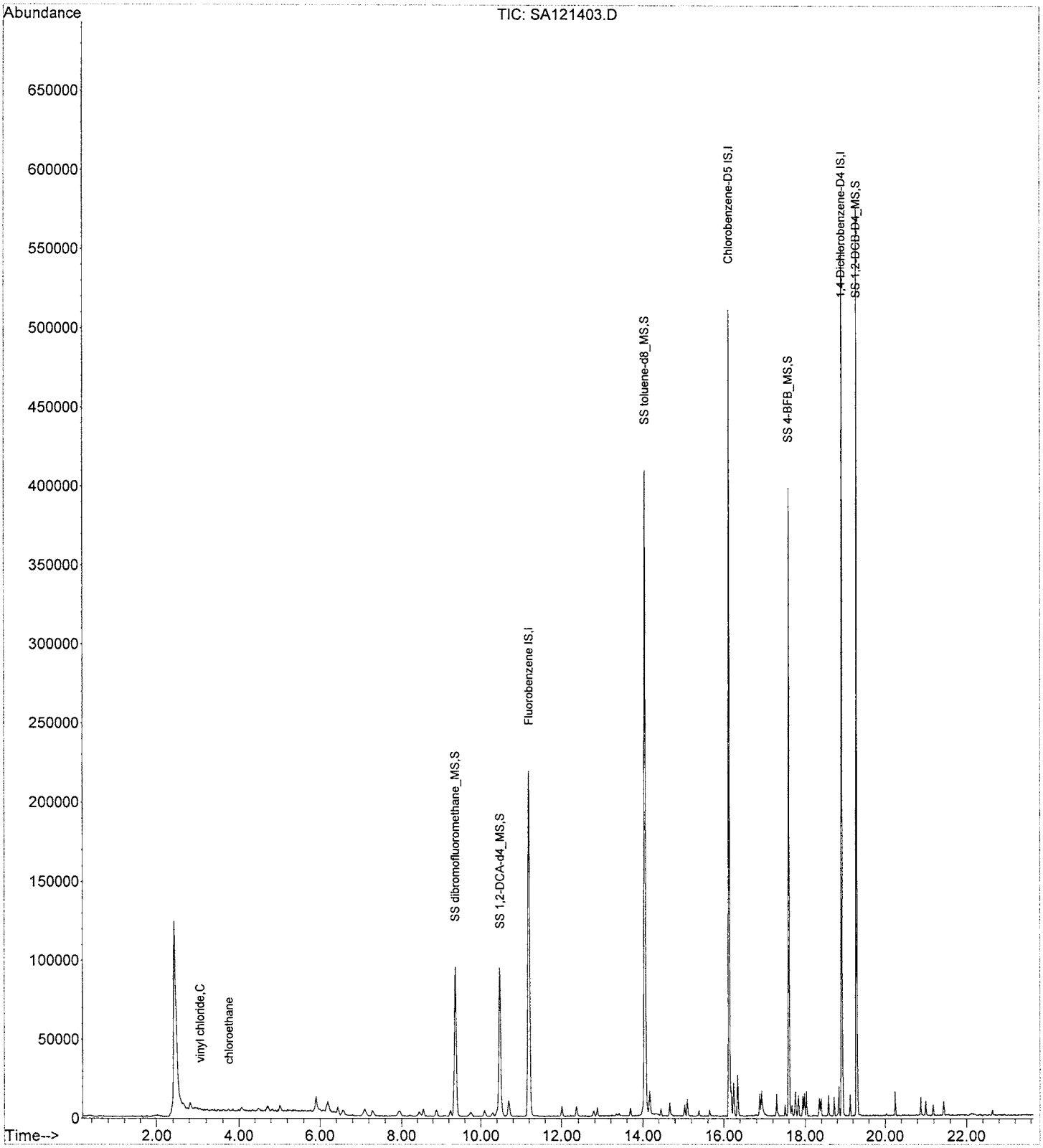
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.20	96	350778	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.13	117	282958	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.91	152	147498	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.36	111	94907	9.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.05%			
35) SS 1,2-DCA-d4_MS	10.48	65	107329	9.94	ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.43%			
48) SS toluene-d8_MS	14.06	98	345001	10.00	ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.05%			
65) SS 4-BFB_MS	17.60	95	130275	9.81	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 98.13%			
83) SS 1,2-DCB-D4_MS	19.29	152	133452	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.77%			
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
4) vinyl chloride	3.06	62	1430m	0.226	ug/L	
6) chloroethane	3.76	64	1251	0.251	ug/L #	67
15) methylene chloride	5.90	84	4929m	Below Cal		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121403.D Vial: 3
Acq On : 14 Dec 2010 8:22 am Operator: KJP
Sample : 0.25 M/0.2 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 12:37 2011 Quant Results File: 4VID1214.RES

Method : T:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Feb 22 11:42:41 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121404.D Vial: 4
Acq On : 14 Dec 2010 8:59 am Operator: KJP
Sample : 0.5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:27 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

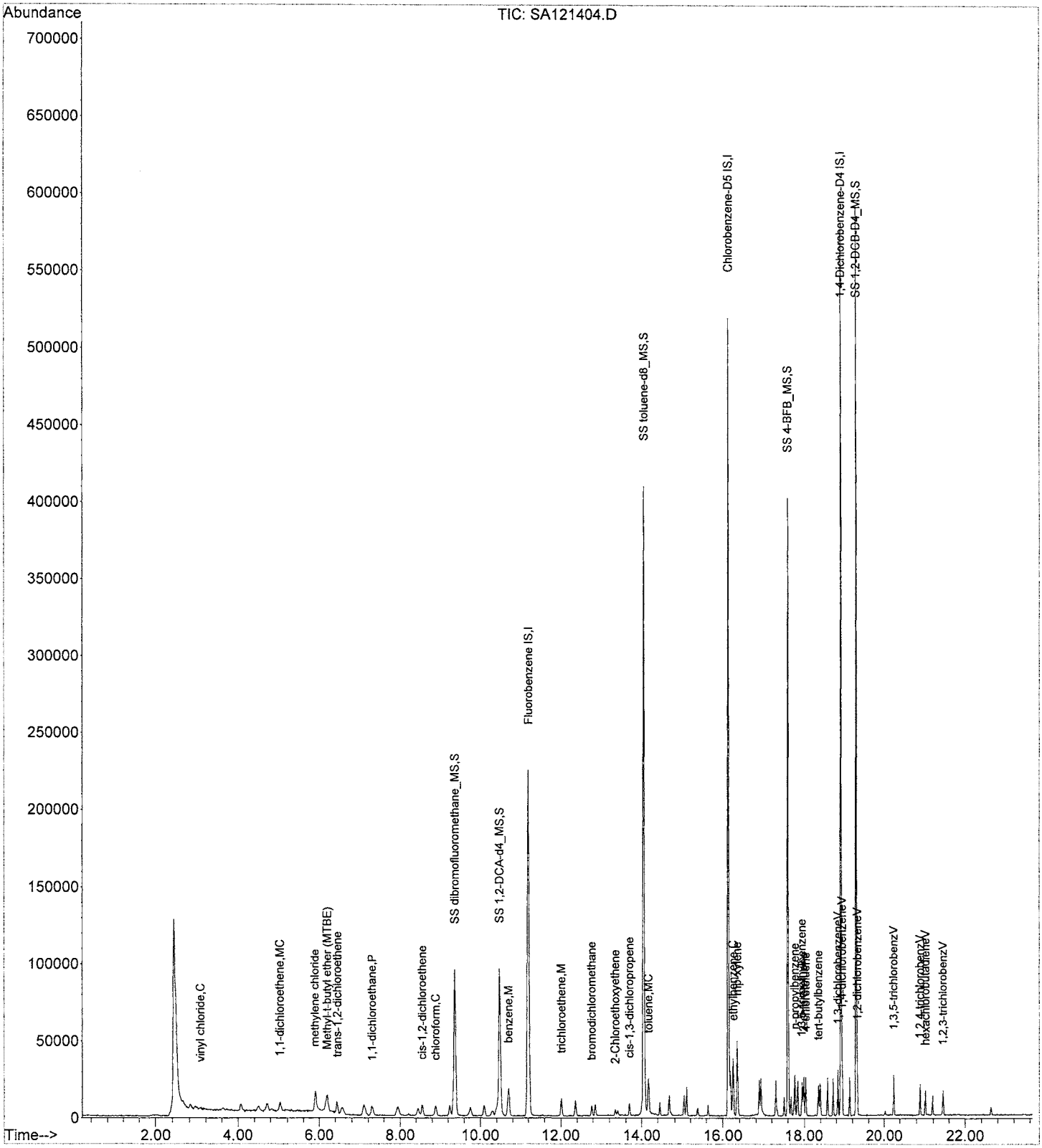
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.20	96	354346	10.000 ug/L	0.01
47) Chlorobenzene-D5 IS	16.13	117	284046	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.91	152	150408	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.36	111	97877	9.93 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.33%		
35) SS 1,2-DCA-d4_MS	10.47	65	109203	8.06 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 80.58%		
48) SS toluene-d8_MS	14.06	98	346320	9.18 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 91.83%		
65) SS 4-BFB_MS	17.60	95	130987	9.16 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 91.65%		
83) SS 1,2-DCB-D4_MS	19.29	152	137937	10.51 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.15%		
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
4) vinyl chloride	3.07	62	3346	0.319 ug/L #	87
12) 1,1-dichloroethene	5.03	96	3886	0.470 ug/L	82
15) methylene chloride	5.89	84	8020	0.775 ug/L #	73
18) Methyl-t-butyl ether (MTBE	6.20	73	20569	0.921 ug/L #	88
19) trans-1,2-dichloroethene	6.45	96	5487	0.556 ug/L #	77
23) 1,1-dichloroethane	7.30	63	9113	0.447 ug/L	97
26) cis-1,2-dichloroethene	8.55	96	5331	0.514 ug/L	87
30) chloroform	8.88	83	8884	0.455 ug/L	98
37) benzene	10.70	78	20120	0.549 ug/L #	90
39) trichloroethene	12.01	95	5207	0.537 ug/L	89
43) bromodichloromethane	12.77	83	5104	0.372 ug/L	97
44) 2-Chloroethoxyethene	13.34	63	2035	0.320 ug/L #	88
46) cis-1,3-dichloropropene	13.69	75	5250	0.386 ug/L	96
49) toluene	14.17	91	20455	0.529 ug/L	95
50) trans-1,3-dichloropropene	14.46	75	3861	Below Cal #	93
59) ethylbenzene	16.25	91	20017	0.543 ug/L	97
60) mp-xylene	16.34	106	14668	1.035 ug/L	91
63) bromoform	17.33	173	1648	Below Cal #	98
71) n-propylbenzene	17.77	91	21003	0.502 ug/L	95
72) 2-chlorotoluene	17.98	91	16251	0.470 ug/L	98
73) 4-chlorotoluene	18.03	91	13989	0.439 ug/L	100
74) 1,3,5-trimethylbenzene	17.94	105	12853	0.449 ug/L	95
75) tert-butylbenzene	18.35	119	10276m	0.477 ug/L	
78) 1,3-dichlorobenzeneV	18.84	146	9971	0.511 ug/L	99
80) 1,4-dichlorobenzeneV	18.94	146	10607	0.514 ug/L #	51
81) 1,2-dichlorobenzeneV	19.32	146	10777	0.534 ug/L #	63
85) 1,3,5-trichlorobenzV	20.24	180	6695	0.553 ug/L	96
86) 1,2,4-trichlorobenzV	20.88	180	5790	0.579 ug/L	96
87) hexachlorobutadieneV	21.01	225	3215	0.204 ug/L	95
89) 1,2,3-trichlorobenzV	21.44	180	4900	0.548 ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121404.D Vial: 4
Acq On : 14 Dec 2010 8:59 am Operator: KJP
Sample : 0.5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 12:18 2011 Quant Results File: 4VID1214.RES

Method : T:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Feb 22 11:42:41 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121405.D Vial: 5
Acq On : 14 Dec 2010 9:35 am Operator: KJP
Sample : 1 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:31 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.20	96	345773	10.000 ug/L	0.01
47) Chlorobenzene-D5 IS	16.13	117	283523	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.91	152	149831	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.36	111	93890	9.76 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.64%		
35) SS 1,2-DCA-d4_MS	10.47	65	109812	8.30 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 83.04%		
48) SS toluene-d8_MS	14.06	98	344277	9.15 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 91.45%		
65) SS 4-BFB_MS	17.60	95	131334	9.21 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 92.06%		
83) SS 1,2-DCB-D4_MS	19.29	152	136130	10.42 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.17%		
90) SS 2,5-DBT_MS	22.64	250	2499	0.82 ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 2.05%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.65	85	7011	0.565 ug/L #	91
3) chloromethane	2.94	50	8230m	0.520 ug/L	
4) vinyl chloride	3.06	62	5844	0.571 ug/L #	87
6) chloroethane	3.72	64	4089	0.557 ug/L #	81
7) trichlorofluoromethane	4.07	101	10407	0.665 ug/L	91
8) diethyl ether	4.50	59	5650	0.645 ug/L #	83
9) 1,1,2-Trichlorotrifluoroet	4.73	101	7373	0.981 ug/L	94
12) 1,1-dichloroethene	5.03	96	7207	0.894 ug/L #	70
15) methylene chloride	5.89	84	13584m	1.346 ug/L	
16) carbon disulfide	5.90	76	21845	0.926 ug/L #	96
18) Methyl-t-butyl ether (MTBE	6.19	73	37140	1.704 ug/L #	90
19) trans-1,2-dichloroethene	6.45	96	9713	1.009 ug/L	84
21) Isopropyl ether (DIPE)	7.09	45	24996	0.734 ug/L	93
23) 1,1-dichloroethane	7.30	63	16722	0.841 ug/L	94
25) 2,2-dichloropropane	8.45	77	9415	3.340 ug/L	99
26) cis-1,2-dichloroethene	8.55	96	9421	0.931 ug/L	91
28) bromochloromethane	9.25	128	5142	1.017 ug/L #	76
30) chloroform	8.88	83	17170	0.900 ug/L	99
32) 1,1,1-trichloroethane	9.74	97	11666	0.842 ug/L	95
34) 1,1-dichloropropene	10.09	75	10821	0.942 ug/L	95
37) benzene	10.70	78	36821	1.029 ug/L #	89
38) 1,2-dichloroethane	10.69	62	13905	0.812 ug/L	97
39) trichloroethene	12.01	95	9395	0.993 ug/L	88
40) 1,2-dichloropropane	12.36	63	9406	0.865 ug/L	91
42) dibromomethane	12.86	93	6217	0.944 ug/L	89
43) bromodichloromethane	12.78	83	10258	0.766 ug/L	97
46) cis-1,3-dichloropropene	13.69	75	10078	0.759 ug/L #	94
49) toluene	14.17	91	37750	0.978 ug/L	97
50) trans-1,3-dichloropropene	14.46	75	8167	Below Cal #	92
51) 1,1,2-trichloroethane	14.67	83	6383	0.763 ug/L	89
53) tetrachloroethene	15.10	166	9645	1.118 ug/L	97
54) 1,3-dichloropropane	15.03	76	13681	0.851 ug/L	97
55) dibromochloromethane	15.38	129	5991	0.604 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121405.D Vial: 5
Acq On : 14 Dec 2010 9:35 am Operator: KJP
Sample : 1 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:31 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

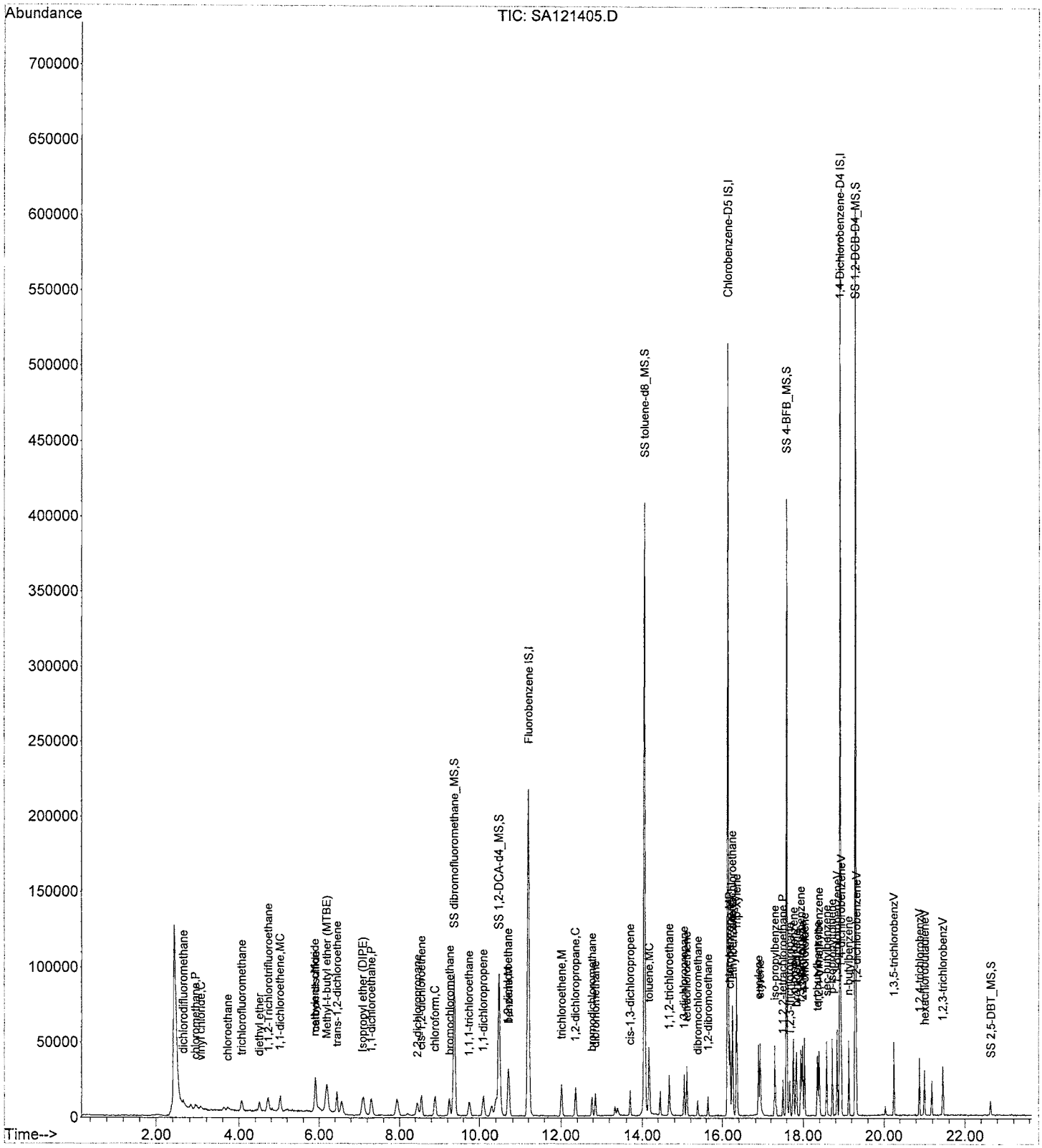
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
56)	1,2-dibromoethane	15.64	107	7355	0.724 ug/L	94
57)	chlorobenzene	16.18	112	28423	1.095 ug/L	98
58)	1,1,1,2-tetrachloroethane	16.24	131	6437	0.736 ug/L	93
59)	ethylbenzene	16.25	91	38631	1.050 ug/L	100
60)	mp-xylene	16.34	106	28743	2.031 ug/L	96
61)	o-xylene	16.88	106	13225	0.939 ug/L	96
62)	styrene	16.92	104	23197	0.861 ug/L #	94
63)	bromoform	17.33	173	2624	Below Cal #	98
64)	iso-propylbenzene	17.30	105	30333	1.107 ug/L	98
67)	bromobenzene	17.84	156	11431	0.864 ug/L	95
68)	1,1,2,2-tetrachloroethane	17.50	83	10194	0.658 ug/L	99
69)	1,2,3-trichloropropane	17.68	110	2870	0.640 ug/L	100
71)	n-propylbenzene	17.77	91	39475	0.947 ug/L	95
72)	2-chlorotoluene	17.98	91	30266	0.878 ug/L	97
73)	4-chlorotoluene	18.03	91	27465	0.866 ug/L	99
74)	1,3,5-trimethylbenzene	17.94	105	26253	0.920 ug/L	99
75)	tert-butylbenzene	18.35	119	20411m	0.951 ug/L	
76)	1,2,4-trimethylbenzene	18.38	105	26877	0.894 ug/L	96
77)	sec-butylbenzene	18.58	105	31098	0.998 ug/L	98
78)	1,3-dichlorobenzeneV	18.84	146	20112	1.035 ug/L	92
79)	p-isopropyltoluene	18.71	119	24679	0.998 ug/L	98
80)	1,4-dichlorobenzeneV	18.94	146	22132	1.077 ug/L #	66
81)	1,2-dichlorobenzeneV	19.32	146	20066	0.999 ug/L #	64
82)	n-butylbenzene	19.13	91	24144	1.045 ug/L	98
84)	1,2-dibromo-3-chloropropan	20.03	75	992	Below Cal	97
85)	1,3,5-trichlorobenzV	20.24	180	12314	1.021 ug/L	94
86)	1,2,4-trichlorobenzV	20.88	180	10966	1.101 ug/L	97
87)	hexachlorobutadieneV	21.01	225	5737	0.648 ug/L	93
89)	1,2,3-trichlorobenzV	21.44	180	10348	1.163 ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121405.D Vial: 5
Acq On : 14 Dec 2010 9:35 am Operator: KJP
Sample : 1 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 12:19 2011 Quant Results File: 4VID1214.RES

Method : T:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Feb 22 11:42:41 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121406.D Vial: 6
Acq On : 14 Dec 2010 10:11 am Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:35 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.20	96	353470	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.13	117	282082	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.91	152	150500	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.36	111	96422	9.81	ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.09%			
35) SS 1,2-DCA-d4_MS	10.47	65	107691	7.97	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 79.66%#			
48) SS toluene-d8_MS	14.06	98	351489	9.38	ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.85%			
65) SS 4-BFB_MS	17.60	95	134306	9.46	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 94.62%			
83) SS 1,2-DCB-D4_MS	19.29	152	136137	10.37	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.71%			
90) SS 2,5-DBT_MS	22.63	250	6982	2.29	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 5.71%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.64	85	18305	1.444	ug/L	97
3) chloromethane	2.94	50	18731	1.157	ug/L	91
4) vinyl chloride	3.06	62	14887	1.424	ug/L	93
5) bromomethane	3.63	94	8933	1.343	ug/L	96
6) chloroethane	3.74	64	9420	1.256	ug/L #	90
7) trichlorofluoromethane	4.07	101	25150	1.572	ug/L	97
8) diethyl ether	4.50	59	11787	1.315	ug/L #	83
9) 1,1,2-Trichlorotrifluoroet	4.72	101	16128	2.098	ug/L	94
10) acrolein	4.72	56	1969	1.151	ug/L	83
12) 1,1-dichloroethene	5.03	96	15160	1.840	ug/L	78
15) methylene chloride	5.90	84	34050	3.300	ug/L #	65
16) carbon disulfide	5.90	76	47336	1.962	ug/L #	98
18) Methyl-t-butyl ether (MTBE	6.19	73	80595	3.617	ug/L #	92
19) trans-1,2-dichloroethene	6.44	96	20222	2.055	ug/L	86
20) hexane	6.57	57	19032	2.292	ug/L #	87
21) Isopropyl ether (DIPE)	7.09	45	52622	1.511	ug/L	92
23) 1,1-dichloroethane	7.30	63	35127	1.727	ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.94	59	43659	1.488	ug/L #	93
25) 2,2-dichloropropane	8.45	77	20355	4.098	ug/L	96
26) cis-1,2-dichloroethene	8.55	96	20316	1.963	ug/L	88
27) 2-butanone (MEK)	8.20	43	7399	1.608	ug/L #	94
28) bromochloromethane	9.25	128	11264	2.180	ug/L #	75
29) Tetrahydrofuran (THF)	9.33	42	4832	1.679	ug/L #	89
30) chloroform	8.88	83	35778	1.835	ug/L	98
32) 1,1,1-trichloroethane	9.75	97	25868	1.826	ug/L	95
33) carbon tetrachloride	10.30	117	17963	1.587	ug/L	98
34) 1,1-dichloropropene	10.11	75	23269	1.981	ug/L	97
36) tert-amyl methyl ether (TA	10.40	73	35989	1.707	ug/L	98
37) benzene	10.70	78	78363	2.142	ug/L #	90
38) 1,2-dichloroethane	10.69	62	29508	1.686	ug/L	97
39) trichloroethene	12.01	95	20231	2.091	ug/L	92
40) 1,2-dichloropropane	12.36	63	20731	1.865	ug/L	97
42) dibromomethane	12.86	93	14024	2.083	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121406.D Vial: 6
Acq On : 14 Dec 2010 10:11 am Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:35 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

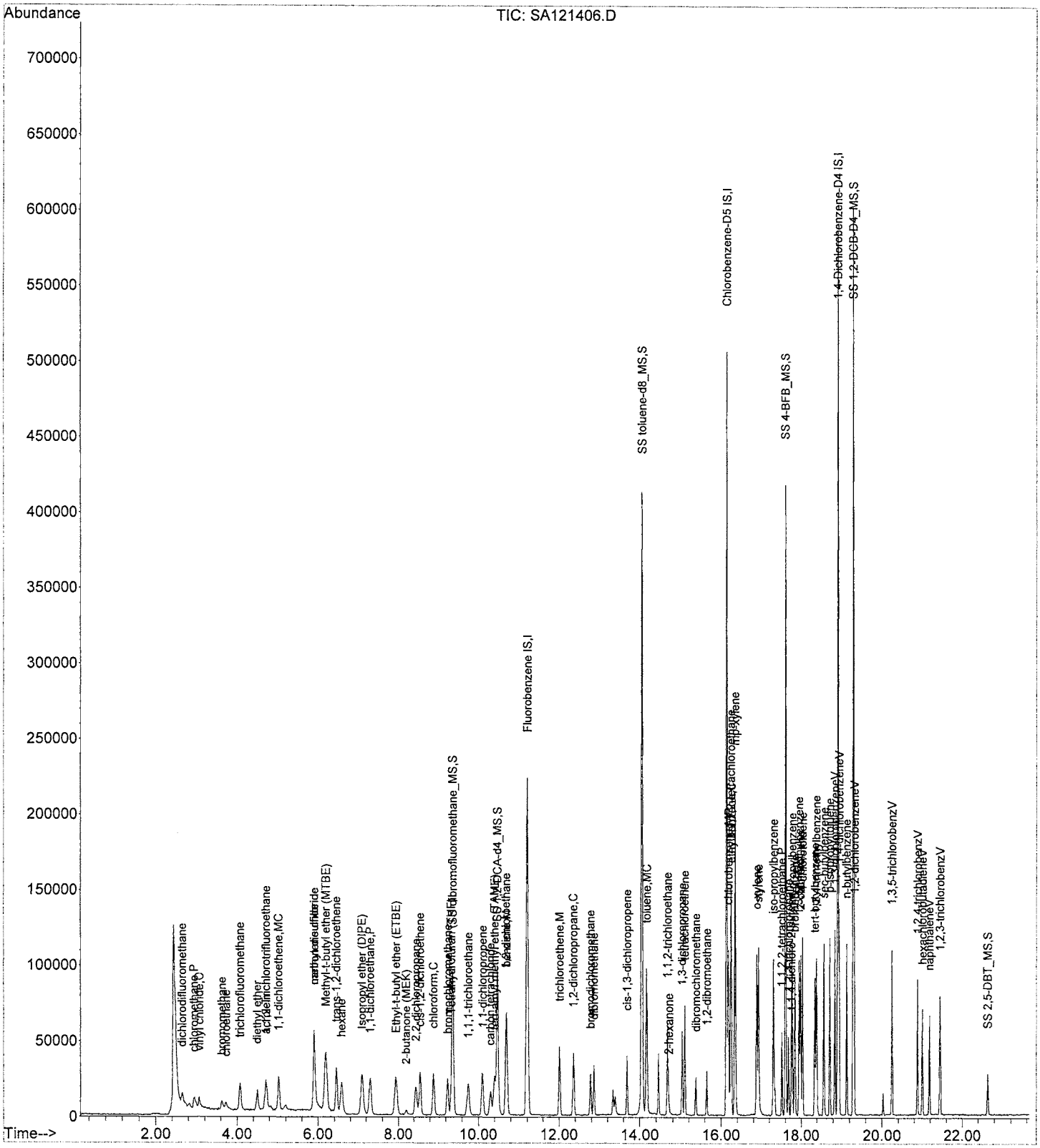
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43)	bromodichloromethane	12.78	83	22145	1.617 ug/L	97
46)	cis-1,3-dichloropropene	13.69	75	22026	1.623 ug/L #	94
49)	toluene	14.17	91	81058	2.112 ug/L	100
51)	1,1,2-trichloroethane	14.67	83	16356	1.966 ug/L	95
52)	2-hexanone	14.71	43	7818	1.145 ug/L #	94
53)	tetrachloroethene	15.10	166	22004	2.563 ug/L	97
54)	1,3-dichloropropane	15.03	76	29739	1.860 ug/L	97
55)	dibromochloromethane	15.38	129	14074	1.427 ug/L	99
56)	1,2-dibromoethane	15.64	107	17150	1.696 ug/L	95
57)	chlorobenzene	16.18	112	58298	2.258 ug/L	96
58)	1,1,1,2-tetrachloroethane	16.24	131	14319	1.646 ug/L	96
59)	ethylbenzene	16.25	91	83724	2.287 ug/L	100
60)	mp-xylene	16.34	106	68507	4.866 ug/L	99
61)	o-xylene	16.88	106	30574	2.182 ug/L	98
62)	styrene	16.92	104	55721	2.079 ug/L #	94
63)	bromoform	17.33	173	7043	Below Cal #	98
64)	iso-propylbenzene	17.30	105	66609	2.443 ug/L	99
67)	bromobenzene	17.84	156	24591	1.851 ug/L	92
68)	1,1,2,2-tetrachloroethane	17.50	83	23387	1.503 ug/L	96
69)	1,2,3-trichloropropane	17.68	110	6491	1.442 ug/L	84
70)	t-1,4-dichloro-2-butene	17.74	53	5007	1.127 ug/L #	89
71)	n-propylbenzene	17.77	91	92809	2.216 ug/L	99
72)	2-chlorotoluene	17.98	91	69883	2.018 ug/L	93
73)	4-chlorotoluene	18.03	91	62567	1.964 ug/L	96
74)	1,3,5-trimethylbenzene	17.94	105	59716	2.084 ug/L	94
75)	tert-butylbenzene	18.35	119	48003m	2.227 ug/L	
76)	1,2,4-trimethylbenzene	18.38	105	68260	2.260 ug/L	99
77)	sec-butylbenzene	18.58	105	73836	2.360 ug/L	98
78)	1,3-dichlorobenzeneV	18.84	146	41943	2.149 ug/L	95
79)	p-isopropyltoluene	18.71	119	60329	2.430 ug/L	98
80)	1,4-dichlorobenzeneV	18.94	146	45253	2.193 ug/L #	67
81)	1,2-dichlorobenzeneV	19.32	146	43460	2.154 ug/L #	71
82)	n-butylbenzene	19.13	91	55556	2.393 ug/L	99
85)	1,3,5-trichlorobenzV	20.24	180	29133	2.405 ug/L	96
86)	1,2,4-trichlorobenzV	20.88	180	24649	2.464 ug/L	96
87)	hexachlorobutadieneV	21.01	225	13322	1.966 ug/L	97
88)	naphthaleneV	21.18	128	47990	2.176 ug/L	99
89)	1,2,3-trichlorobenzV	21.44	180	23742	2.656 ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121406.D Vial: 6
Acq On : 14 Dec 2010 10:11 am Operator: KJP
Sample : 2 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 12:20 2011 Quant Results File: 4VID1214.RES

Method : T:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Feb 22 11:42:41 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121407.D Vial: 7
Acq On : 14 Dec 2010 10:47 am Operator: KJP
Sample : 5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:39 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.203	96	352568	10.000 ug/L	0.01
47) Chlorobenzene-D5 IS	16.135	117	287020	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	155828	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	96925	9.886 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.860%		
35) SS 1,2-DCA-d4_MS	10.472	65	110027	8.160 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 81.600%		
48) SS toluene-d8_MS	14.045	98	351871	9.233 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 92.330%		
65) SS 4-BFB_MS	17.596	95	135012	9.348 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 93.480%		
83) SS 1,2-DCB-D4_MS	19.286	152	137794	10.139 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.390%		
90) SS 2,5-DBT_MS	22.631	250	17444	5.515 ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 13.788%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.640	85	53831	4.257 ug/L	99
3) chloromethane	2.937	50	50476	3.127 ug/L	95
4) vinyl chloride	3.062	62	38776	3.717 ug/L	97
5) bromomethane	3.633	94	25481	3.839 ug/L	99
6) chloroethane	3.724	64	28209	3.771 ug/L	94
7) trichlorofluoromethane	4.067	101	72907	4.569 ug/L	99
8) diethyl ether	4.501	59	30150	3.373 ug/L #	89
9) 1,1,2-Trichlorotrifluoroet	4.729	101	39991	5.217 ug/L	92
10) acrolein	4.729	56	5868	3.440 ug/L	91
11) acetone	4.832	43	12673	4.019 ug/L #	87
12) 1,1-dichloroethene	5.026	96	37696	4.586 ug/L #	76
13) tert-Butyl Alcohol (TBA)	5.186	59	15376	17.133 ug/L #	87
15) methylene chloride	5.905	84	71591	6.957 ug/L #	68
16) carbon disulfide	5.905	76	121305	5.041 ug/L	100
17) acrylonitrile	6.145	53	15681	3.344 ug/L #	90
18) Methyl-t-butyl ether (MTBE	6.191	73	195304	8.786 ug/L #	92
19) trans-1,2-dichloroethene	6.442	96	51347	5.232 ug/L	83
20) hexane	6.567	57	50777	6.131 ug/L	95
21) Isopropyl ether (DIPE)	7.092	45	134420	3.870 ug/L #	92
22) vinyl acetate	7.321	43	57624	1.793 ug/L	97
23) 1,1-dichloroethane	7.298	63	88873	4.382 ug/L	98
24) Ethyl-t-butyl ether (ETBE)	7.937	59	115429	3.945 ug/L	93
25) 2,2-dichloropropane	8.451	77	50024	6.201 ug/L	95
26) cis-1,2-dichloroethene	8.554	96	53757	5.208 ug/L	88
27) 2-butanone (MEK)	8.200	43	18709	4.076 ug/L	98
28) bromochloromethane	9.239	128	27492	5.334 ug/L #	75
29) Tetrahydrofuran (THF)	9.330	42	11703	4.078 ug/L	95
30) chloroform	8.896	83	90505	4.655 ug/L	99
32) 1,1,1-trichloroethane	9.753	97	64695	4.578 ug/L	97
33) carbon tetrachloride	10.301	117	46362	4.107 ug/L	98
34) 1,1-dichloropropene	10.107	75	61316	5.235 ug/L	98
36) tert-amyl methyl ether (TA	10.392	73	94852	4.511 ug/L	98
37) benzene	10.700	78	200239	5.486 ug/L #	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121407.D Vial: 7
Acq On : 14 Dec 2010 10:47 am Operator: KJP
Sample : 5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:39 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

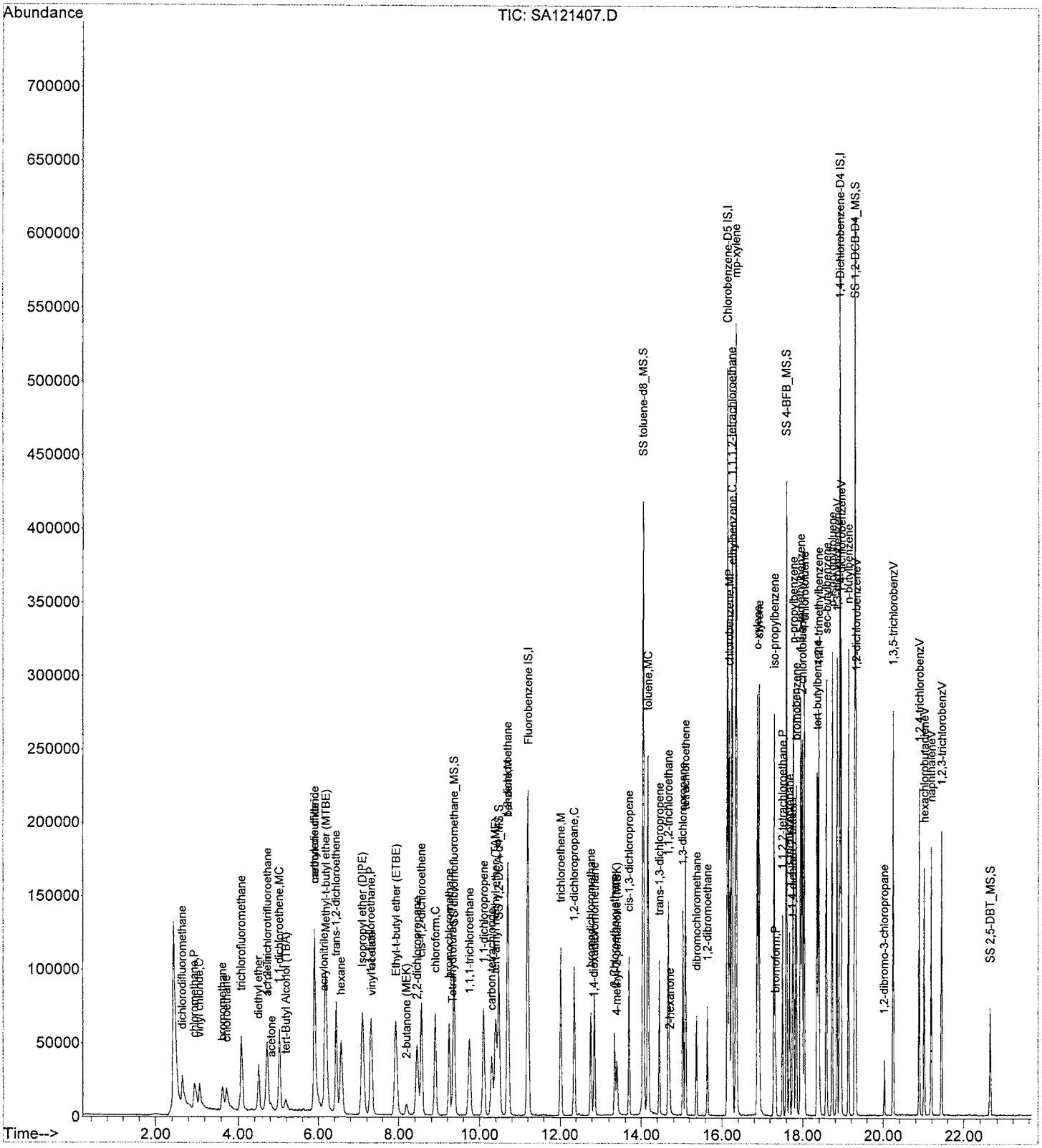
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
38)	1,2-dichloroethane	10.689	62	74681	4.277	ug/L		96
39)	trichloroethene	12.013	95	50163	5.198	ug/L		87
40)	1,2-dichloropropane	12.356	63	48695	4.392	ug/L		91
41)	1,4-dioxaneV	12.847	88	998	10.130	ug/L	#	83
42)	dibromomethane	12.858	93	34403	5.123	ug/L		92
43)	bromodichloromethane	12.778	83	56966	4.171	ug/L		97
44)	2-Chloroethoxyethene	13.337	63	27057	4.276	ug/L		94
45)	4-methyl-2-pentanone (MIBK	13.383	58	13518	3.556	ug/L	#	88
46)	cis-1,3-dichloropropene	13.691	75	62709	4.631	ug/L	#	94
49)	toluene	14.171	91	213999	5.479	ug/L		97
50)	trans-1,3-dichloropropene	14.456	75	53609	2.242	ug/L		95
51)	1,1,2-trichloroethane	14.673	83	38517	4.550	ug/L		98
52)	2-hexanone	14.708	43	20145	2.899	ug/L		97
53)	tetrachloroethene	15.096	166	53946	6.176	ug/L		96
54)	1,3-dichloropropane	15.027	76	75050	4.614	ug/L		97
55)	dibromochloromethane	15.381	129	37282	3.716	ug/L		98
56)	1,2-dibromoethane	15.644	107	43956	4.272	ug/L		99
57)	chlorobenzene	16.180	112	145878	5.552	ug/L	#	91
58)	1,1,1,2-tetrachloroethane	16.237	131	36964	4.176	ug/L		96
59)	ethylbenzene	16.249	91	223210	5.992	ug/L		98
60)	mp-xylene	16.340	106	177348	12.379	ug/L		97
61)	o-xylene	16.877	106	81557	5.721	ug/L		99
62)	styrene	16.922	104	152373	5.587	ug/L	#	93
63)	bromoform	17.333	173	20670	1.622	ug/L	#	98
64)	iso-propylbenzene	17.299	105	180922	6.520	ug/L		98
67)	bromobenzene	17.836	156	64003	4.654	ug/L		91
68)	1,1,2,2-tetrachloroethane	17.505	83	56640	3.515	ug/L		99
69)	1,2,3-trichloropropane	17.676	110	16841	3.614	ug/L		97
70)	t-1,4-dichloro-2-butene	17.744	53	12603	2.740	ug/L	#	87
71)	n-propylbenzene	17.767	91	237946	5.486	ug/L		97
72)	2-chlorotoluene	17.984	91	174035	4.853	ug/L		97
73)	4-chlorotoluene	18.030	91	161229	4.889	ug/L		98
74)	1,3,5-trimethylbenzene	17.939	105	162370	5.474	ug/L		96
75)	tert-butylbenzene	18.350	119	129241m	5.792	ug/L		
76)	1,2,4-trimethylbenzene	18.384	105	173631	5.552	ug/L		97
77)	sec-butylbenzene	18.578	105	195276	6.029	ug/L		99
78)	1,3-dichlorobenzeneV	18.840	146	109616	5.424	ug/L		95
79)	p-isopropyltoluene	18.715	119	162657	6.328	ug/L		100
80)	1,4-dichlorobenzeneV	18.943	146	111024	5.196	ug/L	#	93
81)	1,2-dichlorobenzeneV	19.320	146	106622	5.103	ug/L		96
82)	n-butylbenzene	19.126	91	149965	6.239	ug/L		96
84)	1,2-dibromo-3-chloropropan	20.028	75	6738	1.589	ug/L		98
85)	1,3,5-trichlorobenzV	20.245	180	71148	5.672	ug/L		96
86)	1,2,4-trichlorobenzV	20.884	180	62693	6.053	ug/L		98
87)	hexachlorobutadieneV	21.010	225	32076	5.047	ug/L		98
88)	naphthaleneV	21.181	128	129530	5.671	ug/L		98
89)	1,2,3-trichlorobenzV	21.444	180	57056	6.164	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121407.D Vial: 7
Acq On : 14 Dec 2010 10:47 am Operator: KJP
Sample : 5 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:38 2010 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121408.D Vial: 8
Acq On : 14 Dec 2010 11:24 am Operator: KJP
Sample : 10 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:45 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.202	96	357431	10.000 ug/L	0.01
47) Chlorobenzene-D5 IS	16.134	117	289350	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	152154	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	98838	9.943 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.430%		
35) SS 1,2-DCA-d4_MS	10.472	65	110334	8.071 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 80.710%		
48) SS toluene-d8_MS	14.057	98	349158	9.088 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 90.880%		
65) SS 4-BFB_MS	17.596	95	138006	9.479 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 94.790%		
83) SS 1,2-DCB-D4_MS	19.286	152	140600	10.595 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.950%		
90) SS 2,5-DBT_MS	22.642	250	41073	13.298 ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 33.245%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.640	85	109908	8.573 ug/L	98
3) chloromethane	2.959	50	96672m	5.907 ug/L	
4) vinyl chloride	3.062	62	68263	6.455 ug/L	99
5) bromomethane	3.633	94	53292	7.920 ug/L	97
6) chloroethane	3.724	64	55480	7.315 ug/L	96
7) trichlorofluoromethane	4.067	101	147610	9.124 ug/L	99
8) diethyl ether	4.501	59	61754	6.815 ug/L #	89
9) 1,1,2-Trichlorotrifluoroet	4.718	101	82560	10.623 ug/L	93
10) acrolein	4.718	56	11727	6.781 ug/L	96
11) acetone	4.832	43	24622	7.702 ug/L #	88
12) 1,1-dichloroethene	5.026	96	76297	9.156 ug/L	77
13) tert-Butyl Alcohol (TBA)	5.186	59	33888	37.246 ug/L	94
15) methylene chloride	5.905	84	108155	10.367 ug/L #	67
16) carbon disulfide	5.905	76	260790	10.690 ug/L	100
17) acrylonitrile	6.156	53	32460	6.827 ug/L	94
18) Methyl-t-butyl ether (MTBE	6.179	73	409655	18.179 ug/L #	91
19) trans-1,2-dichloroethene	6.453	96	106303	10.684 ug/L	84
20) hexane	6.567	57	107022	12.747 ug/L	97
21) Isopropyl ether (DIPE)	7.092	45	290752	8.258 ug/L #	94
22) vinyl acetate	7.321	43	136438m	5.426 ug/L	
23) 1,1-dichloroethane	7.298	63	187145	9.101 ug/L	97
24) Ethyl-t-butyl ether (ETBE)	7.926	59	253034	8.531 ug/L	94
25) 2,2-dichloropropane	8.451	77	112308	10.502 ug/L	96
26) cis-1,2-dichloroethene	8.554	96	113669	10.861 ug/L	84
27) 2-butanone (MEK)	8.200	43	38097	8.188 ug/L	94
28) bromochloromethane	9.250	128	58390	11.174 ug/L #	74
29) Tetrahydrofuran (THF)	9.330	42	23642	8.125 ug/L #	86
30) chloroform	8.885	83	186063	9.439 ug/L	98
32) 1,1,1-trichloroethane	9.752	97	138364	9.658 ug/L	97
33) carbon tetrachloride	10.300	117	108704	9.499 ug/L	97
34) 1,1-dichloropropene	10.095	75	134946	11.364 ug/L	98
36) tert-amyl methyl ether (TA	10.392	73	214001	10.038 ug/L	96
37) benzene	10.700	78	416346	11.252 ug/L #	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121408.D Vial: 8
Acq On : 14 Dec 2010 11:24 am Operator: KJP
Sample : 10 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:45 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

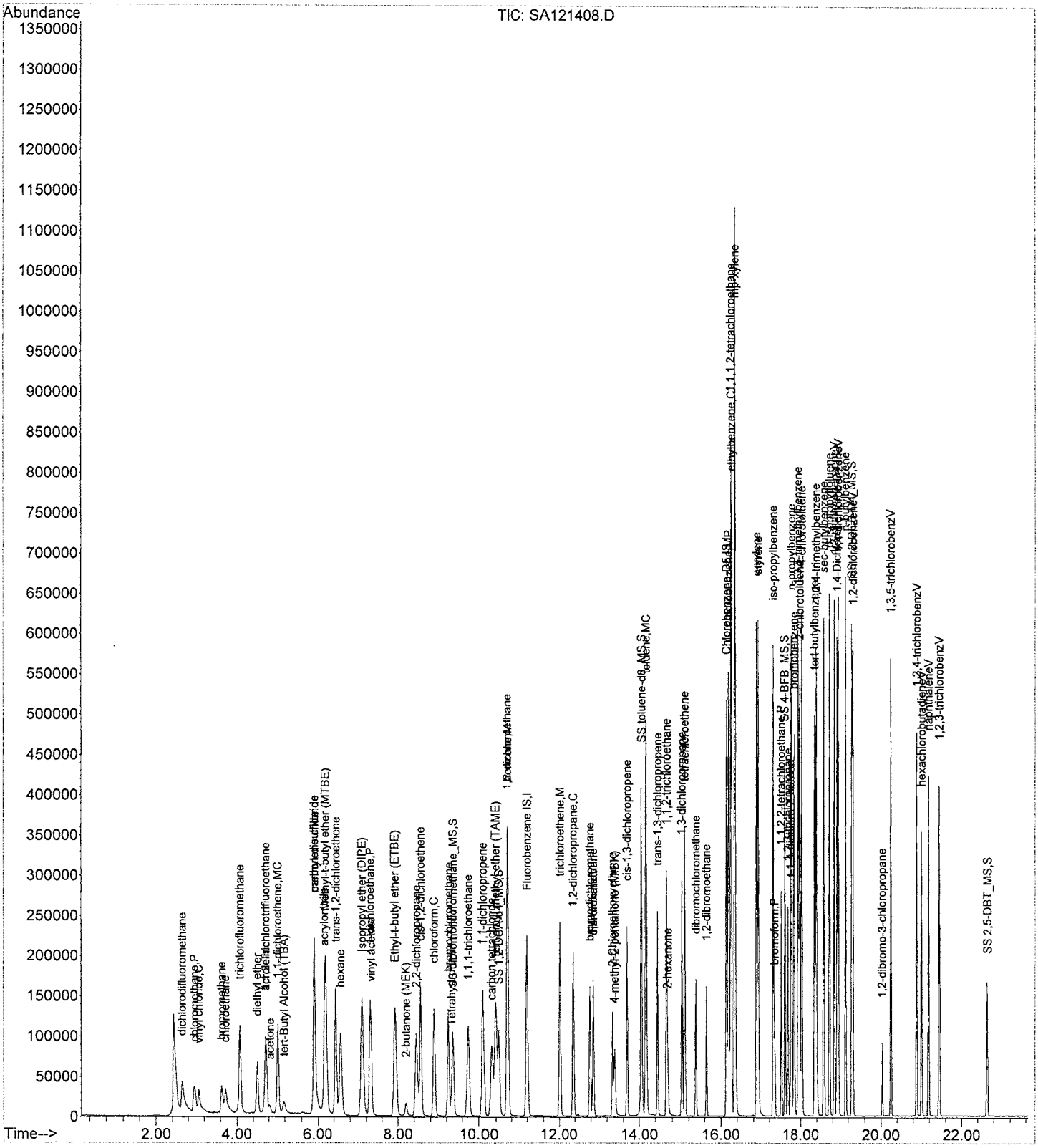
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
38)	1,2-dichloroethane	10.689	62	147885	8.354	ug/L		97
39)	trichloroethene	12.013	95	106901	10.926	ug/L		89
40)	1,2-dichloropropane	12.355	63	104196	9.270	ug/L		96
41)	1,4-dioxaneV	12.858	88	2071	20.735	ug/L	#	78
42)	dibromomethane	12.858	93	72248	10.612	ug/L		96
43)	bromodichloromethane	12.778	83	125666	9.077	ug/L		98
44)	2-Chloroethoxyethene	13.337	63	59149	9.221	ug/L	#	95
45)	4-methyl-2-pentanone (MIBK	13.383	58	29115	7.555	ug/L	#	94
46)	cis-1,3-dichloropropene	13.691	75	134108	9.769	ug/L		94
49)	toluene	14.171	91	432060	10.972	ug/L		100
50)	trans-1,3-dichloropropene	14.456	75	125922	6.778	ug/L		95
51)	1,1,2-trichloroethane	14.673	83	78771	9.231	ug/L		97
52)	2-hexanone	14.696	43	48529	6.927	ug/L		98
53)	tetrachloroethene	15.096	166	111208	12.630	ug/L		96
54)	1,3-dichloropropane	15.027	76	158205	9.647	ug/L		97
55)	dibromochloromethane	15.381	129	90938	8.991	ug/L		99
56)	1,2-dibromoethane	15.644	107	95831	9.238	ug/L		99
57)	chlorobenzene	16.180	112	294508	11.119	ug/L	#	90
58)	1,1,1,2-tetrachloroethane	16.237	131	85659	9.600	ug/L		98
59)	ethylbenzene	16.249	91	464361	12.366	ug/L		99
60)	mp-xylene	16.340	106	369599	25.591	ug/L		97
61)	o-xylene	16.877	106	176614	12.289	ug/L		98
62)	styrene	16.922	104	321678	11.699	ug/L	#	92
63)	bromoform	17.333	173	51320	5.887	ug/L	#	100
64)	iso-propylbenzene	17.299	105	391107	13.982	ug/L		98
67)	bromobenzene	17.836	156	132952	9.901	ug/L		90
68)	1,1,2,2-tetrachloroethane	17.504	83	122259	7.771	ug/L		98
69)	1,2,3-trichloropropane	17.676	110	34795	7.646	ug/L		96
70)	t-1,4-dichloro-2-butene	17.744	53	30533	6.798	ug/L	#	84
71)	n-propylbenzene	17.767	91	506393	11.958	ug/L		97
72)	2-chlorotoluene	17.984	91	364921	10.422	ug/L		97
73)	4-chlorotoluene	18.030	91	333559	10.359	ug/L		97
74)	1,3,5-trimethylbenzene	17.938	105	351376	12.131	ug/L		95
75)	tert-butylbenzene	18.349	119	276833m	12.706	ug/L		
76)	1,2,4-trimethylbenzene	18.384	105	368653	12.073	ug/L		95
77)	sec-butylbenzene	18.578	105	420043	13.281	ug/L		99
78)	1,3-dichlorobenzeneV	18.840	146	223028	11.302	ug/L		96
79)	p-isopropyltoluene	18.715	119	338625	13.491	ug/L		99
80)	1,4-dichlorobenzeneV	18.943	146	226974	10.878	ug/L		98
81)	1,2-dichlorobenzeneV	19.320	146	221430	10.854	ug/L		98
82)	n-butylbenzene	19.126	91	322481	13.739	ug/L		98
84)	1,2-dibromo-3-chloropropan	20.028	75	16759	5.277	ug/L		95
85)	1,3,5-trichlorobenzV	20.245	180	150120	12.257	ug/L		100
86)	1,2,4-trichlorobenzV	20.884	180	134958	13.346	ug/L		98
87)	hexachlorobutadieneV	21.009	225	66877	11.183	ug/L		98
88)	naphthaleneV	21.181	128	299453	13.428	ug/L		98
89)	1,2,3-trichlorobenzV	21.443	180	123258	13.638	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121408.D Vial: 8
Acq On : 14 Dec 2010 11:24 am Operator: KJP
Sample : 10 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:39 2010 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121409.D Vial: 9
Acq On : 14 Dec 2010 12:00 pm Operator: KJP
Sample : 20 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:49 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.202	96	357491	10.000 ug/L	0.01
47) Chlorobenzene-D5 IS	16.134	117	290233	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	158496	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	99999	10.059 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.590%		
35) SS 1,2-DCA-d4_MS	10.472	65	110491	8.081 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 80.810%		
48) SS toluene-d8_MS	14.045	98	353348	9.169 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 91.690%		
65) SS 4-BFB_MS	17.596	95	135554	9.282 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 92.820%		
83) SS 1,2-DCB-D4_MS	19.285	152	141719	10.252 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.520%		
90) SS 2,5-DBT_MS	22.642	250	88536	27.518 ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 68.795%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.640	85	213815m	16.674 ug/L	
3) chloromethane	2.936	50	174757m	10.677 ug/L	
4) vinyl chloride	3.062	62	110384	10.437 ug/L	99
5) bromomethane	3.633	94	107328m	15.948 ug/L	
6) chloroethane	3.724	64	102899	13.565 ug/L	96
7) trichlorofluoromethane	4.067	101	286331	17.695 ug/L	100
8) diethyl ether	4.501	59	126343	13.940 ug/L #	89
9) 1,1,2-Trichlorotrifluoroet	4.717	101	152470	19.615 ug/L	92
10) acrolein	4.717	56	22919	13.250 ug/L	100
11) acetone	4.832	43	45474m	14.222 ug/L	
12) 1,1-dichloroethene	5.026	96	147335	17.677 ug/L	77
13) tert-Butyl Alcohol (TBA)	5.186	59	70254	77.203 ug/L	96
15) methylene chloride	5.905	84	185821	17.808 ug/L #	67
16) carbon disulfide	5.905	76	507073	20.783 ug/L	99
17) acrylonitrile	6.145	53	64413	13.545 ug/L	94
18) Methyl-t-butyl ether (MTBE	6.179	73	815088	36.164 ug/L #	91
19) trans-1,2-dichloroethene	6.441	96	206052	20.706 ug/L	84
20) hexane	6.567	57	219532	26.144 ug/L	97
21) Isopropyl ether (DIPE)	7.092	45	591018	16.783 ug/L #	95
22) vinyl acetate	7.321	43	298678	12.980 ug/L	97
23) 1,1-dichloroethane	7.298	63	364194	17.708 ug/L	96
24) Ethyl-t-butyl ether (ETBE)	7.926	59	523715	17.654 ug/L	94
25) 2,2-dichloropropane	8.451	77	237578	19.246 ug/L	95
26) cis-1,2-dichloroethene	8.554	96	223592	21.361 ug/L	86
27) 2-butanone (MEK)	8.200	43	78208	16.806 ug/L	93
28) bromochloromethane	9.239	128	115892	22.174 ug/L #	76
29) Tetrahydrofuran (THF)	9.330	42	52008	17.871 ug/L #	89
30) chloroform	8.885	83	361354	18.328 ug/L	98
32) 1,1,1-trichloroethane	9.752	97	278829	19.458 ug/L	97
33) carbon tetrachloride	10.300	117	227554	19.882 ug/L	98
34) 1,1-dichloropropene	10.106	75	270121	22.743 ug/L	99
36) tert-amyl methyl ether (TA	10.392	73	439468	20.610 ug/L	93
37) benzene	10.700	78	812902	21.966 ug/L #	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121409.D Vial: 9
Acq On : 14 Dec 2010 12:00 pm Operator: KJP
Sample : 20 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:49 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

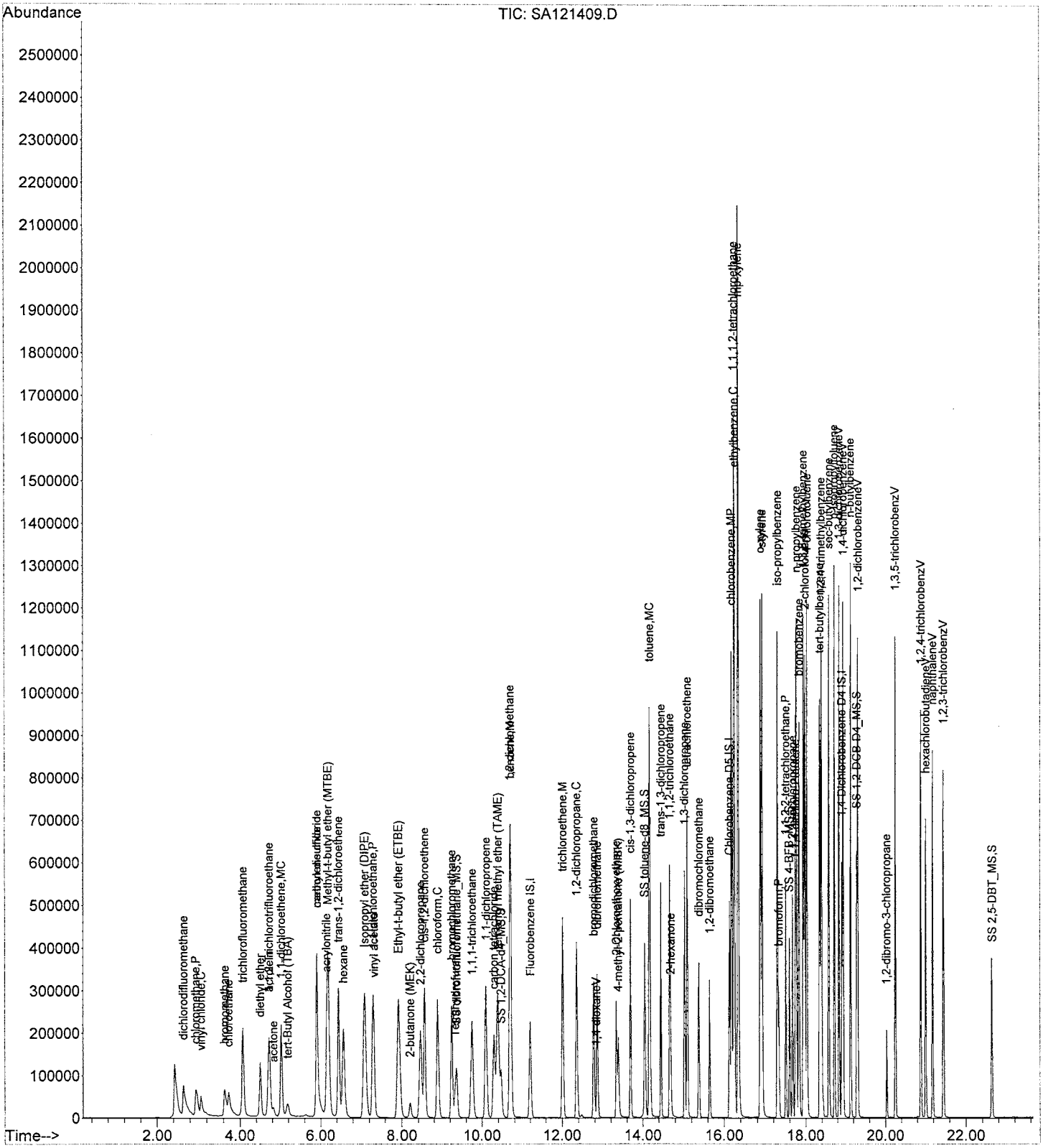
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38)	1,2-dichloroethane	10.689	62	292895	16.542 ug/L	98
39)	trichloroethene	12.013	95	210153	21.475 ug/L	90
40)	1,2-dichloropropane	12.355	63	208335	18.531 ug/L	98
41)	1,4-dioxaneV	12.835	88	4345	43.495 ug/L	86
42)	dibromomethane	12.858	93	142396	20.912 ug/L	94
43)	bromodichloromethane	12.778	83	262221	18.937 ug/L	99
44)	2-Chloroethoxyethene	13.337	63	127835	19.925 ug/L #	94
45)	4-methyl-2-pentanone (MIBK	13.383	58	66561	17.269 ug/L #	86
46)	cis-1,3-dichloropropene	13.691	75	289700	21.100 ug/L	94
49)	toluene	14.171	91	847966	21.469 ug/L	100
50)	trans-1,3-dichloropropene	14.456	75	279404	16.410 ug/L	95
51)	1,1,2-trichloroethane	14.673	83	156457	18.278 ug/L	98
52)	2-hexanone	14.696	43	109758	15.619 ug/L	98
53)	tetrachloroethene	15.095	166	222201	25.159 ug/L	96
54)	1,3-dichloropropane	15.027	76	312891	19.021 ug/L	98
55)	dibromochloromethane	15.381	129	196145	19.334 ug/L	99
56)	1,2-dibromoethane	15.643	107	195698	18.807 ug/L	100
57)	chlorobenzene	16.180	112	584983	22.019 ug/L #	91
58)	1,1,1,2-tetrachloroethane	16.237	131	179261	20.030 ug/L	98
59)	ethylbenzene	16.249	91	902148	23.951 ug/L	99
60)	mp-xylene	16.340	106	719229	49.648 ug/L	95
61)	o-xylene	16.877	106	357901	24.828 ug/L	95
62)	styrene	16.922	104	645068	23.389 ug/L #	93
63)	bromoform	17.333	173	118813	15.280 ug/L #	99
64)	iso-propylbenzene	17.299	105	775845	27.651 ug/L	97
67)	bromobenzene	17.836	156	259271	18.535 ug/L	90
68)	1,1,2,2-tetrachloroethane	17.504	83	245014	14.951 ug/L	98
69)	1,2,3-trichloropropane	17.676	110	70728	14.921 ug/L	99
70)	t-1,4-dichloro-2-butene	17.744	53	64961	13.885 ug/L #	73
71)	n-propylbenzene	17.767	91	989722	22.436 ug/L	97
72)	2-chlorotoluene	17.984	91	714489	19.590 ug/L	97
73)	4-chlorotoluene	18.030	91	649252	19.357 ug/L	95
74)	1,3,5-trimethylbenzene	17.938	105	696099	23.072 ug/L	96
75)	tert-butylbenzene	18.349	119	551589m	24.304 ug/L	
76)	1,2,4-trimethylbenzene	18.384	105	726417	22.838 ug/L	95
77)	sec-butylbenzene	18.578	105	833072	25.285 ug/L	99
78)	1,3-dichlorobenzeneV	18.840	146	442855	21.543 ug/L	95
79)	p-isopropyltoluene	18.715	119	683348	26.136 ug/L	98
80)	1,4-dichlorobenzeneV	18.943	146	442126	20.342 ug/L	95
81)	1,2-dichlorobenzeneV	19.320	146	431877	20.322 ug/L	94
82)	n-butylbenzene	19.126	91	633414	25.907 ug/L	97
84)	1,2-dibromo-3-chloropropan	20.028	75	37292	12.174 ug/L	88
85)	1,3,5-trichlorobenzV	20.244	180	304864	23.895 ug/L	99
86)	1,2,4-trichlorobenzV	20.884	180	273257	25.940 ug/L	97
87)	hexachlorobutadieneV	21.009	225	133639	21.780 ug/L	99
88)	naphthaleneV	21.181	128	633559	27.272 ug/L	97
89)	1,2,3-trichlorobenzV	21.443	180	249775	26.531 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121409.D Vial: 9
Acq On : 14 Dec 2010 12:00 pm Operator: KJP
Sample : 20 STD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:42 2010 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121411.D Vial: 11
Acq On : 14 Dec 2010 1:14 pm Operator: KJP
Sample : 50 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:56 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.202	96	356931	10.000 ug/L	0.01
47) Chlorobenzene-D5 IS	16.134	117	290473	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	159811	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	99333	10.007 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.070%		
35) SS 1,2-DCA-d4_MS	10.472	65	113202	8.293 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 82.930%		
48) SS toluene-d8_MS	14.045	98	357323	9.265 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 92.650%		
65) SS 4-BFB_MS	17.596	95	140605	9.620 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 96.200%		
83) SS 1,2-DCB-D4_MS	19.286	152	145603	10.446 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.460%		
90) SS 2,5-DBT_MS	22.631	250	241199	74.350 ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 185.875%#		
Target Compounds					Qvalue
8) diethyl ether	4.501	59	305465	33.757 ug/L #	89
9) 1,1,2-Trichlorotrifluoroet	4.718	101	375544	48.389 ug/L	91
11) acetone	4.832	43	103432	32.398 ug/L	97
12) 1,1-dichloroethene	5.026	96	367679	44.184 ug/L	78
13) tert-Butyl Alcohol (TBA)	5.186	59	183037	201.457 ug/L	96
15) methylene chloride	5.894	84	412733	39.616 ug/L #	69
16) carbon disulfide	5.905	76	1259242	51.692 ug/L	100
17) acrylonitrile	6.145	53	158483	33.379 ug/L	96
18) Methyl-t-butyl ether (MTBE	6.179	73	2034782	90.422 ug/L #	91
19) trans-1,2-dichloroethene	6.442	96	517824	52.117 ug/L	84
20) hexane	6.567	57	525009	62.621 ug/L	98
21) Isopropyl ether (DIPE)	7.081	45	1507626	42.879 ug/L #	95
23) 1,1-dichloroethane	7.298	63	909130	44.275 ug/L	98
24) Ethyl-t-butyl ether (ETBE)	7.926	59	1360544	45.935 ug/L	94
25) 2,2-dichloropropane	8.451	77	607868	45.162 ug/L	95
26) cis-1,2-dichloroethene	8.554	96	571909	54.724 ug/L	86
27) 2-butanone (MEK)	8.188	43	199737	42.988 ug/L #	93
28) bromochloromethane	9.239	128	294938	56.520 ug/L #	73
29) Tetrahydrofuran (THF)	9.319	42	139082	47.867 ug/L #	88
30) chloroform	8.885	83	920152	46.744 ug/L	99
32) 1,1,1-trichloroethane	9.752	97	721128	50.404 ug/L	96
33) carbon tetrachloride	10.300	117	617189	54.010 ug/L	99
34) 1,1-dichloropropene	10.095	75	678066	57.179 ug/L	98
36) tert-amyl methyl ether (TA	10.392	73	1158476	54.416 ug/L	91
37) benzene	10.700	78	2009380	54.382 ug/L #	89
38) 1,2-dichloroethane	10.689	62	730421	41.318 ug/L	97
39) trichloroethene	12.013	95	529652	54.208 ug/L	89
40) 1,2-dichloropropane	12.355	63	522843	46.579 ug/L	97
42) dibromomethane	12.858	93	361494	53.171 ug/L	94
43) bromodichloromethane	12.778	83	691829	50.040 ug/L	98
45) 4-methyl-2-pentanone (MIBK	13.383	58	169368	44.011 ug/L #	97
46) cis-1,3-dichloropropene	13.691	75	773804	56.449 ug/L #	94
49) toluene	14.171	91	2115883	53.526 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121411.D Vial: 11
Acq On : 14 Dec 2010 1:14 pm Operator: KJP
Sample : 50 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:30:56 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

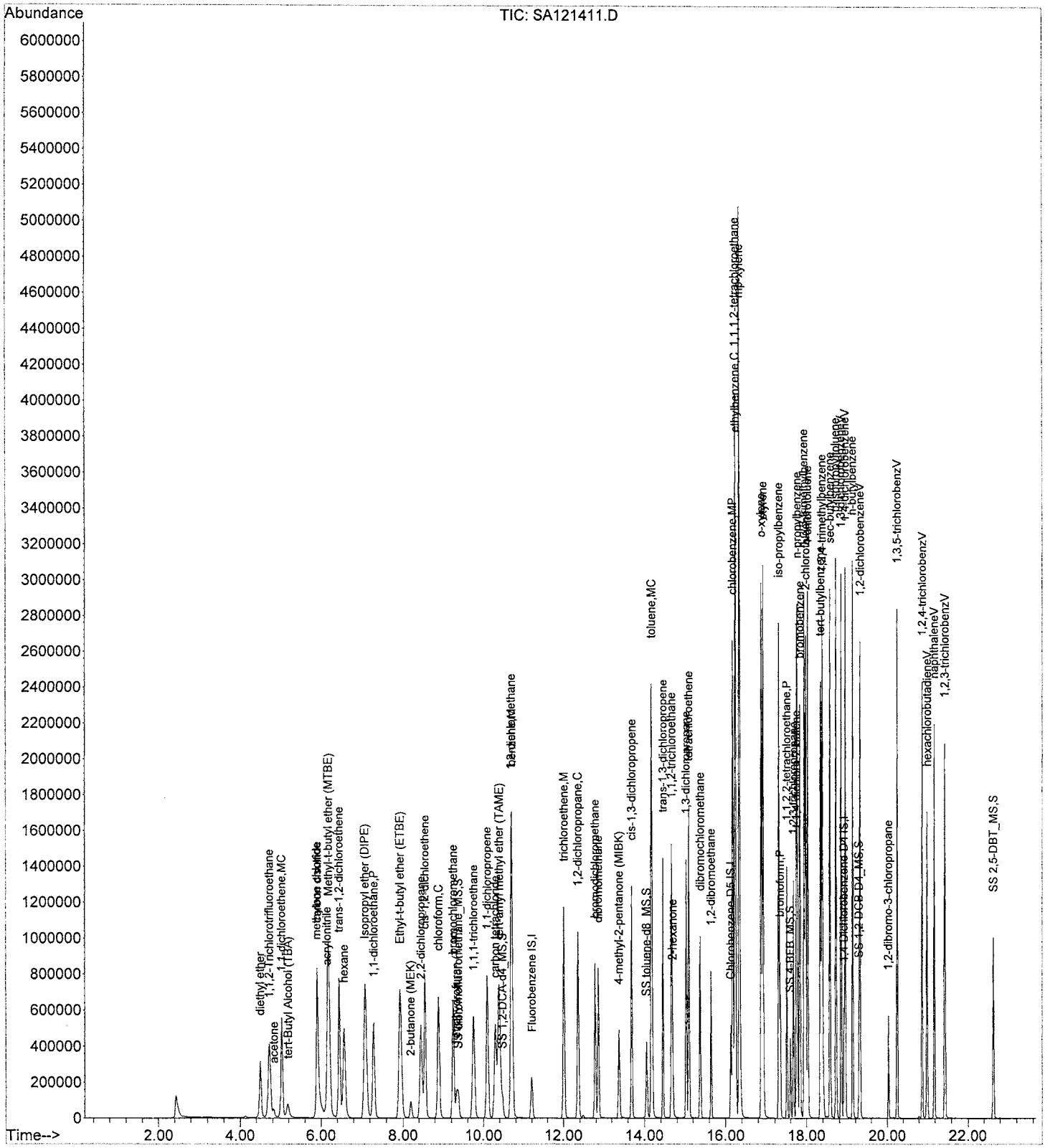
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	trans-1,3-dichloropropene	14.456	75	738310	45.244	ug/L		93
51)	1,1,2-trichloroethane	14.673	83	392625	45.831	ug/L		97
52)	2-hexanone	14.696	43	284410	40.440	ug/L	#	98
53)	tetrachloroethene	15.096	166	540510	61.149	ug/L		96
54)	1,3-dichloropropane	15.027	76	775792	47.123	ug/L		98
55)	dibromochloromethane	15.381	129	540746	53.256	ug/L		99
56)	1,2-dibromoethane	15.644	107	497966	47.816	ug/L		99
57)	chlorobenzene	16.180	112	1440917	54.192	ug/L	#	90
58)	1,1,1,2-tetrachloroethane	16.237	131	474791	53.007	ug/L		98
59)	ethylbenzene	16.249	91	2185203	57.966	ug/L		99
60)	mp-xylene	16.340	106	1727084	119.122	ug/L		94
61)	o-xylene	16.877	106	895268	62.055	ug/L		94
62)	styrene	16.922	104	1605239	58.154	ug/L	#	92
63)	bromoform	17.333	173	350228	47.520	ug/L	#	100
64)	iso-propylbenzene	17.299	105	1901563	67.717	ug/L		96
67)	bromobenzene	17.836	156	646486	45.835	ug/L		89
68)	1,1,2,2-tetrachloroethane	17.505	83	620328	37.541	ug/L		100
69)	1,2,3-trichloropropane	17.676	110	177921	37.225	ug/L		99
70)	t-1,4-dichloro-2-butene	17.744	53	169129	35.852	ug/L	#	60
71)	n-propylbenzene	17.767	91	2388784	53.705	ug/L		96
72)	2-chlorotoluene	17.984	91	1753559	47.683	ug/L		96
73)	4-chlorotoluene	18.030	91	1569364	46.403	ug/L		95
74)	1,3,5-trimethylbenzene	17.938	105	1714440	56.356	ug/L		95
75)	tert-butylbenzene	18.349	119	1372228m	59.965	ug/L		
76)	1,2,4-trimethylbenzene	18.384	105	1785501	55.672	ug/L		94
77)	sec-butylbenzene	18.578	105	2015477	60.671	ug/L		98
78)	1,3-dichlorobenzeneV	18.840	146	1070558	51.649	ug/L		95
79)	p-isopropyltoluene	18.715	119	1671202	63.392	ug/L		97
80)	1,4-dichlorobenzeneV	18.943	146	1100326	50.209	ug/L		93
81)	1,2-dichlorobenzeneV	19.320	146	1035756	48.338	ug/L		93
82)	n-butylbenzene	19.126	91	1533018	62.185	ug/L		96
84)	1,2-dibromo-3-chloropropan	20.028	75	107690	36.347	ug/L		88
85)	1,3,5-trichlorobenzV	20.245	180	754431	58.645	ug/L		100
86)	1,2,4-trichlorobenzV	20.884	180	692871	65.233	ug/L		97
87)	hexachlorobutadieneV	21.010	225	323569	52.802	ug/L		98
88)	naphthaleneV	21.181	128	1624298	69.344	ug/L		98
89)	1,2,3-trichlorobenzV	21.443	180	636501	67.052	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121411.D Vial: 11
Acq On : 14 Dec 2010 1:14 pm Operator: KJP
Sample : 50 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:52 2010 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121412.D Vial: 12
Acq On : 14 Dec 2010 1:54 pm Operator: KJP
Sample : 50 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:31:00 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

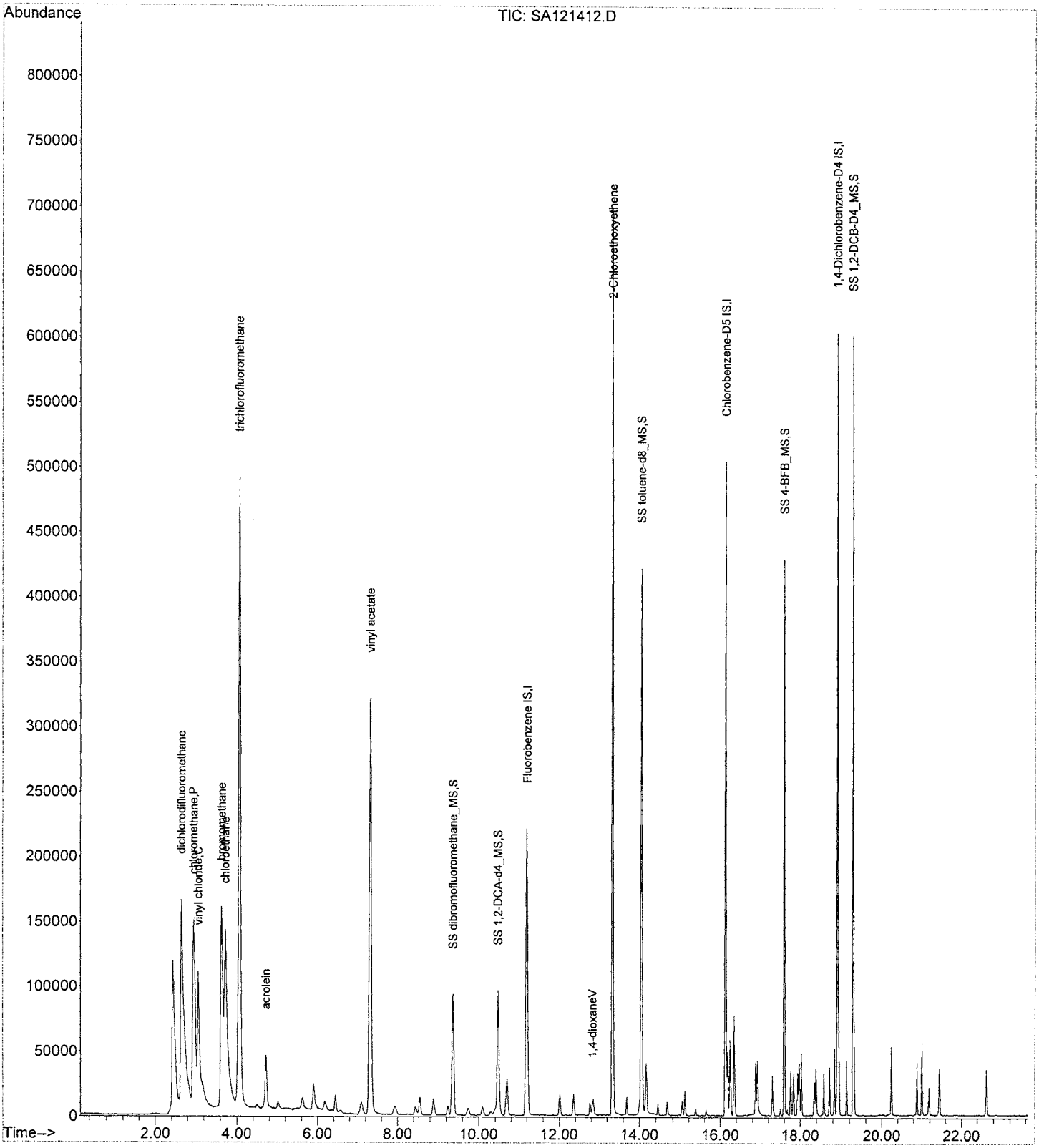
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.202	96	353372	10.000 ug/L	0.01
47) Chlorobenzene-D5 IS	16.134	117	285031	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	151538	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	95606	9.729 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.290%		
35) SS 1,2-DCA-d4_MS	10.472	65	110828	8.200 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 82.000%		
48) SS toluene-d8_MS	14.045	98	355208	9.386 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.860%		
65) SS 4-BFB_MS	17.596	95	136314	9.504 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.040%		
83) SS 1,2-DCB-D4_MS	19.285	152	137379	10.394 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.940%		
90) SS 2,5-DBT_MS	0.000	250	0d	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.640	85	532147m	41.983 ug/L	
3) chloromethane	2.948	50	421862m	26.074 ug/L	
4) vinyl chloride	3.062	62	257018m	24.584 ug/L	
5) bromomethane	3.633	94	282541m	42.474 ug/L	
6) chloroethane	3.724	64	257944	34.400 ug/L	95
7) trichlorofluoromethane	4.067	101	705336	44.098 ug/L	99
10) acrolein	4.718	56	61416	35.919 ug/L	98
22) vinyl acetate	7.321	43	841127	38.695 ug/L	97
41) 1,4-dioxaneV	12.835	88	10445	105.776 ug/L	89
44) 2-Chloroethoxyethene	13.337	63	336279	53.025 ug/L #	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121412.D Vial: 12
Acq On : 14 Dec 2010 1:54 pm Operator: KJP
Sample : 50 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:54 2010 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121413.D Vial: 13
Acq On : 14 Dec 2010 2:31 pm Operator: KJP
Sample : 100 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:31:03 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.202	96	366807	10.000 ug/L	0.01
47) Chlorobenzene-D5 IS	16.134	117	296534	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.920	152	159703	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	102529	10.051 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.510%		
35) SS 1,2-DCA-d4_MS	10.472	65	111465	7.946 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 79.460%#		
48) SS toluene-d8_MS	14.057	98	352565	8.954 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 89.540%		
65) SS 4-BFB_MS	17.596	95	142542	9.553 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.530%		
83) SS 1,2-DCB-D4_MS	19.285	152	142211	10.210 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.100%		
90) SS 2,5-DBT_MS	22.642	250	476463	146.969 ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 367.423%#		
Target Compounds					Qvalue
8) diethyl ether	4.501	59	629453	67.688 ug/L #	89
9) 1,1,2-Trichlorotrifluoroet	4.717	101	802294	100.593 ug/L	92
11) acetone	4.832	43	210216m	64.074 ug/L	
12) 1,1-dichloroethene	5.026	96	772842	90.372 ug/L	77
13) tert-Butyl Alcohol (TBA)	5.186	59	361258	386.907 ug/L	94
15) methylene chloride	5.893	84	811439	75.789 ug/L #	68
16) carbon disulfide	5.905	76	2622952	104.773 ug/L	99
17) acrylonitrile	6.145	53	309873	63.507 ug/L	98
18) Methyl-t-butyl ether (MTBE	6.179	73	4041478	174.760 ug/L #	91
19) trans-1,2-dichloroethene	6.441	96	1066875	104.486 ug/L	83
20) hexane	6.567	57	1149241	133.385 ug/L	98
21) Isopropyl ether (DIPE)	7.081	45	3017950	83.524 ug/L #	96
23) 1,1-dichloroethane	7.298	63	1843352	87.354 ug/L	98
24) Ethyl-t-butyl ether (ETBE)	7.926	59	2738112	89.956 ug/L #	93
25) 2,2-dichloropropane	8.451	77	1347890	94.365 ug/L	95
26) cis-1,2-dichloroethene	8.554	96	1162221	108.215 ug/L	84
27) 2-butanone (MEK)	8.188	43	406565	85.147 ug/L #	93
28) bromochloromethane	9.239	128	594737	110.902 ug/L #	73
29) Tetrahydrofuran (THF)	9.319	42	275356	92.215 ug/L #	86
30) chloroform	8.885	83	1830113	90.467 ug/L	98
32) 1,1,1-trichloroethane	9.741	97	1534171	104.345 ug/L	95
33) carbon tetrachloride	10.300	117	1370548	116.706 ug/L	98
34) 1,1-dichloropropene	10.095	75	1432060	117.510 ug/L	98
36) tert-amyl methyl ether (TA	10.392	73	2384656	108.996 ug/L #	89
37) benzene	10.700	78	3964113	104.397 ug/L #	88
38) 1,2-dichloroethane	10.689	62	1419530	78.137 ug/L	97
39) trichloroethene	12.013	95	1074331	106.994 ug/L	88
40) 1,2-dichloropropane	12.355	63	1032344	89.494 ug/L	96
42) dibromomethane	12.858	93	704594	100.846 ug/L	92
43) bromodichloromethane	12.778	83	1397154	98.336 ug/L	98
45) 4-methyl-2-pentanone (MIBK	13.383	58	343672	86.899 ug/L #	96
46) cis-1,3-dichloropropene	13.691	75	1585722	112.563 ug/L #	93
49) toluene	14.171	91	4033764	99.957 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121413.D Vial: 13
Acq On : 14 Dec 2010 2:31 pm Operator: KJP
Sample : 100 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:31:03 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

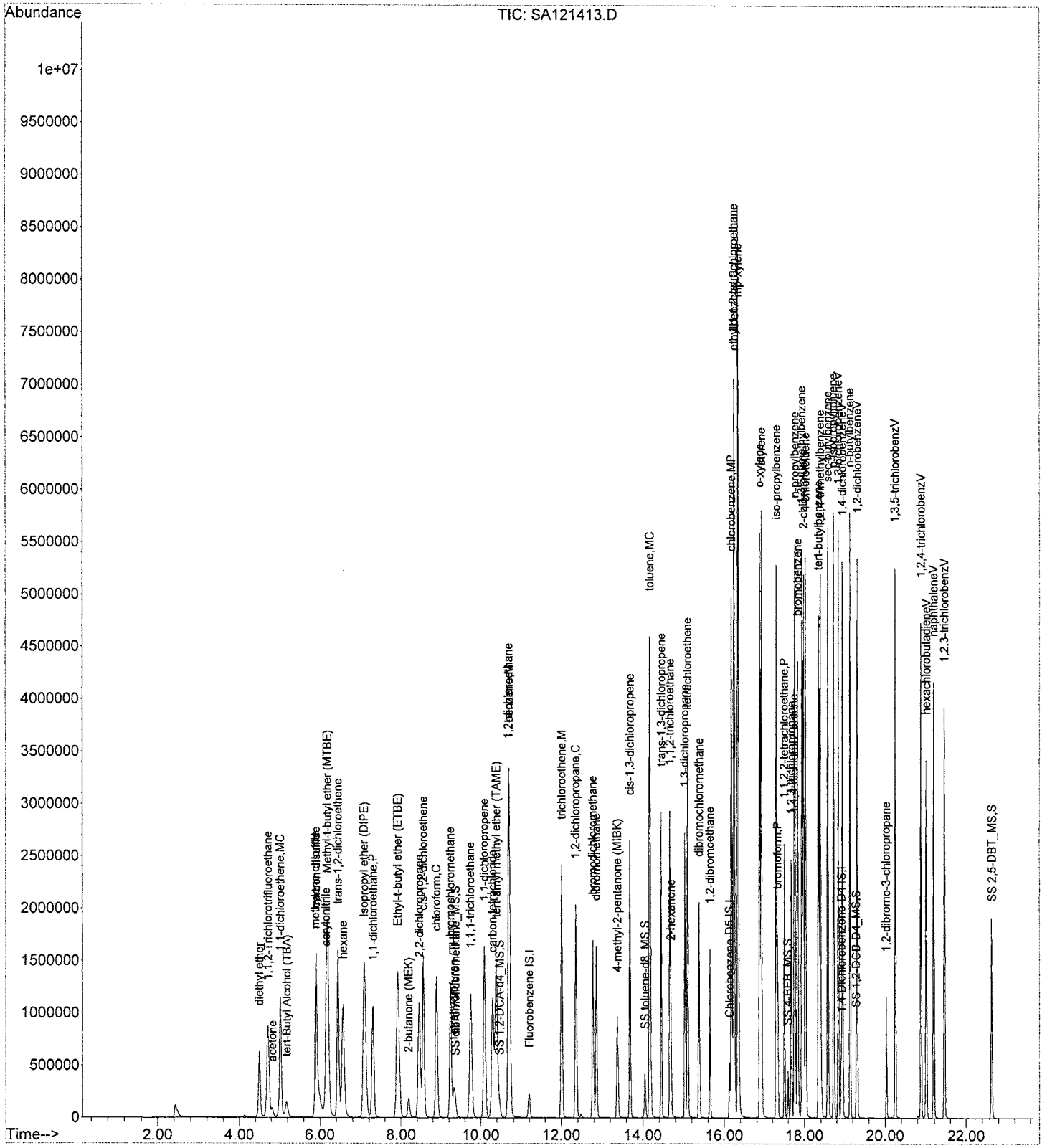
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	trans-1,3-dichloropropene	14.456	75	1514179	92.071	ug/L		93
51)	1,1,2-trichloroethane	14.673	83	759981	86.900	ug/L		96
52)	2-hexanone	14.696	43	570061	79.400	ug/L	#	97
53)	tetrachloroethene	15.095	166	1104040	122.349	ug/L		95
54)	1,3-dichloropropane	15.027	76	1507738	89.711	ug/L		98
55)	dibromochloromethane	15.381	129	1113513	107.424	ug/L		99
56)	1,2-dibromoethane	15.643	107	989455	93.068	ug/L		99
57)	chlorobenzene	16.180	112	2757244	101.578	ug/L	#	91
58)	1,1,1,2-tetrachloroethane	16.237	131	919932	100.604	ug/L		98
59)	ethylbenzene	16.249	91	3998305	103.894	ug/L		97
60)	mp-xylene	16.340	106	3167849	214.030	ug/L		91
61)	o-xylene	16.877	106	1736128	117.879	ug/L		92
62)	styrene	16.922	104	3014895	106.990	ug/L	#	93
63)	bromoform	17.333	173	736830	99.304	ug/L	#	99
64)	iso-propylbenzene	17.299	105	3669071	127.989	ug/L		95
67)	bromobenzene	17.836	156	1238741	87.885	ug/L		87
68)	1,1,2,2-tetrachloroethane	17.504	83	1189111	72.011	ug/L		99
69)	1,2,3-trichloropropane	17.676	110	337368	70.632	ug/L		97
70)	t-1,4-dichloro-2-butene	17.744	53	331665	70.355	ug/L	#	54
71)	n-propylbenzene	17.767	91	4450346	100.120	ug/L		94
72)	2-chlorotoluene	17.984	91	3275041	89.116	ug/L		95
73)	4-chlorotoluene	18.030	91	2975790	88.049	ug/L		94
74)	1,3,5-trimethylbenzene	17.938	105	3262230	107.306	ug/L		94
75)	tert-butylbenzene	18.349	119	2664370m	116.509	ug/L		
76)	1,2,4-trimethylbenzene	18.395	105	3354746	104.672	ug/L		92
77)	sec-butylbenzene	18.578	105	3862112	116.337	ug/L		97
78)	1,3-dichlorobenzeneV	18.840	146	2017913	97.420	ug/L		95
79)	p-isopropyltoluene	18.715	119	3185059	120.897	ug/L		96
80)	1,4-dichlorobenzeneV	18.943	146	2032847	92.823	ug/L	#	93
81)	1,2-dichlorobenzeneV	19.320	146	1982478	92.583	ug/L		93
82)	n-butylbenzene	19.126	91	2941404	119.396	ug/L		94
84)	1,2-dibromo-3-chloropropan	20.028	75	218222	74.519	ug/L		85
85)	1,3,5-trichlorobenzV	20.244	180	1445756	112.461	ug/L		98
86)	1,2,4-trichlorobenzV	20.884	180	1347922	126.991	ug/L		97
87)	hexachlorobutadieneV	21.009	225	654533	107.249	ug/L		98
88)	naphthaleneV	21.181	128	3092927	132.132	ug/L		99
89)	1,2,3-trichlorobenzV	21.443	180	1227080	129.353	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\2010\DEC10\DEC1410\SA121413.D Vial: 13
Acq On : 14 Dec 2010 2:31 pm Operator: KJP
Sample : 100 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:55 2010 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121414.D Vial: 14
Acq On : 14 Dec 2010 3:08 pm Operator: KJP
Sample : 100 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:31:10 2010 Quant Results File: 4VID1214.RES

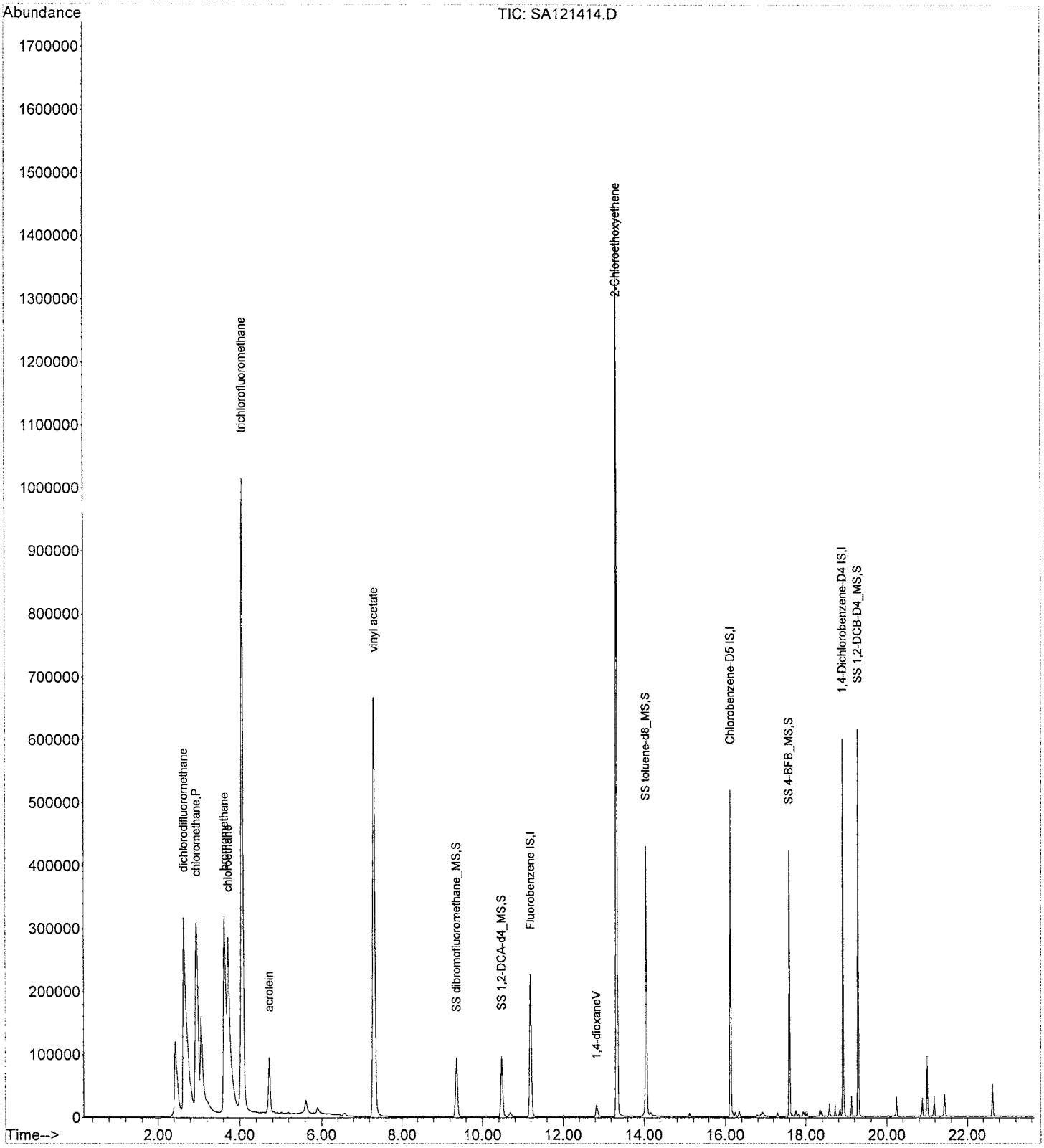
Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.20	96	357043	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.13	117	294257	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.91	152	151790	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.36	111	95479	9.62	ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.16%			
35) SS 1,2-DCA-d4_MS	10.47	65	110599	8.10	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 80.99%			
48) SS toluene-d8_MS	14.05	98	355766	9.11	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 91.06%			
65) SS 4-BFB_MS	17.60	95	134948	9.11	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 91.14%			
83) SS 1,2-DCB-D4_MS	19.29	152	139148	10.51	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.11%			
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	2.64	85	1075300m	83.963	ug/L	
3) chloromethane	2.95	50	836899m	51.195	ug/L	
5) bromomethane	3.63	94	602765m	89.681	ug/L	
6) chloroethane	3.72	64	522573m	68.975	ug/L	
7) trichlorofluoromethane	4.07	101	1419994	87.865	ug/L	99
10) acrolein	4.72	56	126464	73.203	ug/L	98
22) vinyl acetate	7.32	43	1808621	83.395	ug/L	97
41) 1,4-dioxaneV	12.83	88	23508	235.618	ug/L	86
44) 2-Chloroethoxyethene	13.34	63	700216	109.276	ug/L #	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121414.D Vial: 14
Acq On : 14 Dec 2010 3:08 pm Operator: KJP
Sample : 100 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 12:21 2011 Quant Results File: 4VID1214.RES

Method : T:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Feb 22 11:42:41 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121416.D Vial: 16
Acq On : 14 Dec 2010 4:23 pm Operator: KJP
Sample : 200 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:31:19 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.20	96	372367	10.000	ug/L	0.01
47) Chlorobenzene-D5 IS	16.13	117	301795	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.92	152	159099	10.000	ug/L	0.01
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.36	111	101348	9.79	ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.87%			
35) SS 1,2-DCA-d4_MS	10.47	65	110496	7.76	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 77.59%#			
48) SS toluene-d8_MS	14.05	98	365156	9.11	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 91.13%			
65) SS 4-BFB_MS	17.60	95	141489	9.32	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 93.17%			
83) SS 1,2-DCB-D4_MS	19.29	152	142808	10.29	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.92%			
90) SS 2,5-DBT_MS	22.64	250	925732	286.63	ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 716.59%#			
Target Compounds						Qvalue
8) diethyl ether	4.50	59	1221703	129.413	ug/L #	89
9) 1,1,2-Trichlorotrifluoroet	4.72	101	1556308	192.219	ug/L	91
11) acetone	4.83	43	418390m	125.621	ug/L	
12) 1,1-dichloroethene	5.03	96	1485891	171.157	ug/L	77
13) tert-Butyl Alcohol (TBA)	5.20	59	749778	791.022	ug/L	92
15) methylene chloride	5.89	84	1577773	145.165	ug/L #	67
16) carbon disulfide	5.90	76	4993414	196.483	ug/L	100
17) acrylonitrile	6.14	53	588501	118.810	ug/L	97
18) Methyl-t-butyl ether (MTBE	6.18	73	7716026	328.672	ug/L #	91
19) trans-1,2-dichloroethene	6.44	96	2038543	196.667	ug/L	83
20) hexane	6.57	57	2260673	258.464	ug/L	98
21) Isopropyl ether (DIPE)	7.08	45	5875212	160.173	ug/L #	95
23) 1,1-dichloroethane	7.29	63	3556115	166.004	ug/L	97
24) Ethyl-t-butyl ether (ETBE)	7.93	59	5539770	179.283	ug/L #	93
25) 2,2-dichloropropane	8.45	77	2764219	187.918	ug/L	94
26) cis-1,2-dichloroethene	8.55	96	2274775	208.644	ug/L	84
27) 2-butanone (MEK)	8.19	43	850129	175.384	ug/L #	92
28) bromochloromethane	9.24	128	1166274	214.231	ug/L #	72
29) Tetrahydrofuran (THF)	9.32	42	569120	187.750	ug/L #	86
30) chloroform	8.88	83	3587363	174.685	ug/L	98
32) 1,1,1-trichloroethane	9.74	97	3029339	202.961	ug/L	95
33) carbon tetrachloride	10.30	117	2745346	230.284	ug/L	98
34) 1,1-dichloropropene	10.09	75	2731772	220.812	ug/L	98
36) tert-amyl methyl ether (TA	10.39	73	4861205	218.875	ug/L #	86
37) benzene	10.70	78	7193431	186.615	ug/L #	89
38) 1,2-dichloroethane	10.69	62	2675859	145.091	ug/L	96
39) trichloroethene	12.01	95	2064488	202.535	ug/L	89
40) 1,2-dichloropropane	12.36	63	1988212	169.784	ug/L	95
42) dibromomethane	12.86	93	1347904	190.040	ug/L	91
43) bromodichloromethane	12.78	83	2742221	190.123	ug/L	97
45) 4-methyl-2-pentanone (MIBK	13.38	58	696513	173.488	ug/L #	95
46) cis-1,3-dichloropropene	13.69	75	3034808	212.210	ug/L #	93
49) toluene	14.17	91	7006279	170.590	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121416.D Vial: 16
Acq On : 14 Dec 2010 4:23 pm Operator: KJP
Sample : 200 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:31:19 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

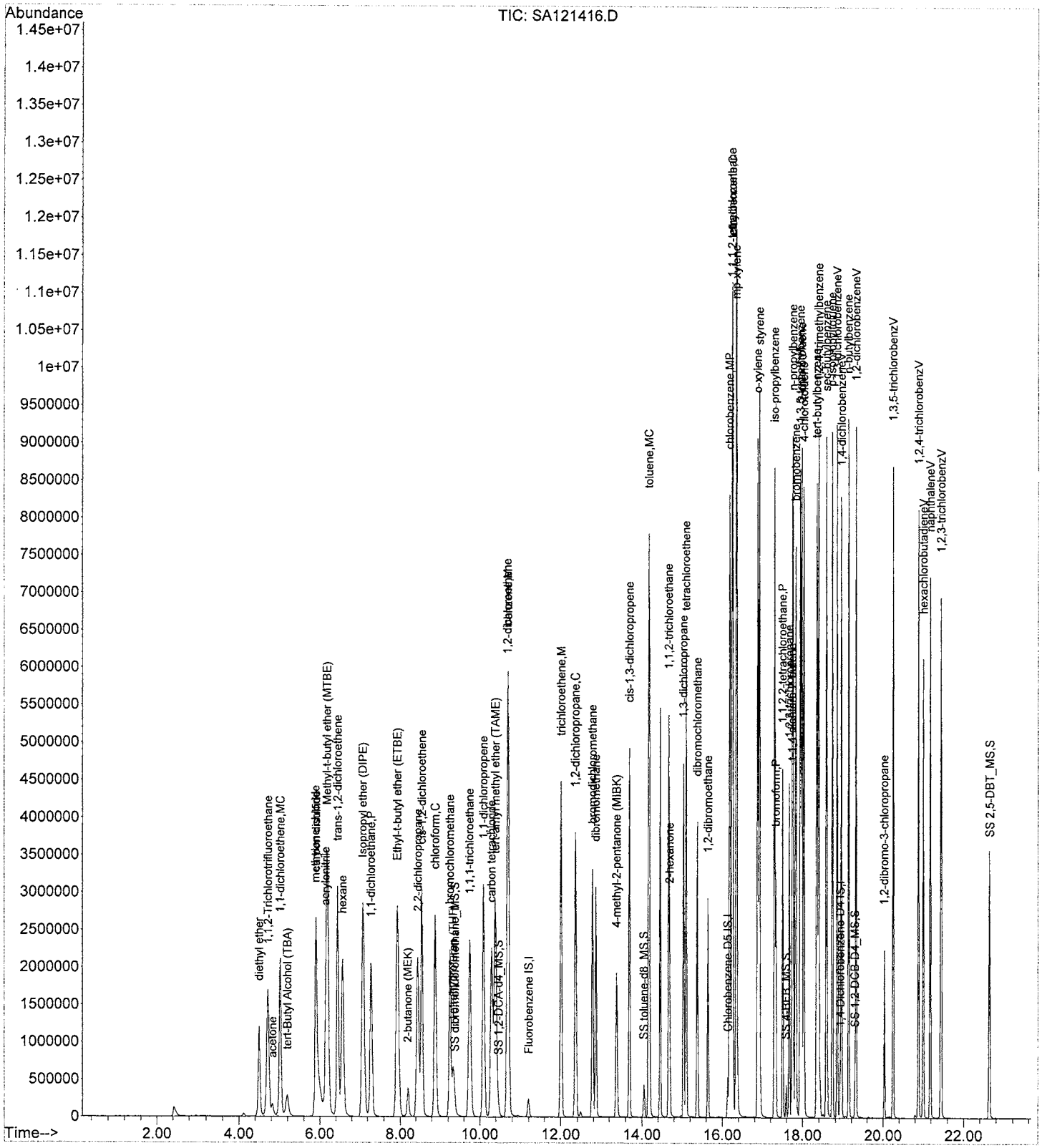
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
51)	1,1,2-trichloroethane	14.67	83	1410849	158.511 ug/L	95
52)	2-hexanone	14.70	43	1110753	152.013 ug/L #	96
53)	tetrachloroethene	15.10	166	2022747	220.253 ug/L	95
54)	1,3-dichloropropane	15.03	76	2744050	160.426 ug/L	97
55)	dibromochloromethane	15.38	129	2148900	203.698 ug/L	100
56)	1,2-dibromoethane	15.64	107	1900337	175.630 ug/L	99
57)	chlorobenzene	16.18	112	4801531	173.807 ug/L #	93
58)	1,1,1,2-tetrachloroethane	16.24	131	1600294	171.958 ug/L	99
59)	ethylbenzene	16.25	91	6273457	160.171 ug/L	95
60)	mp-xylene	16.34	106	4872890	323.488 ug/L	87
61)	o-xylene	16.88	106	3008913	200.737 ug/L	89
62)	styrene	16.92	104	5137121	179.124 ug/L #	95
63)	bromoform	17.33	173	1450831	193.331 ug/L #	99
64)	iso-propylbenzene	17.30	105	6115770	209.618 ug/L	92
67)	bromobenzene	17.84	156	2220239	158.118 ug/L	87
68)	1,1,2,2-tetrachloroethane	17.50	83	2225588	135.290 ug/L	100
69)	1,2,3-trichloropropane	17.68	110	647069	135.986 ug/L	99
70)	t-1,4-dichloro-2-butene	17.74	53	624590	132.995 ug/L #	50
71)	n-propylbenzene	17.77	91	7134399	161.113 ug/L #	89
72)	2-chlorotoluene	17.98	91	5590052	152.686 ug/L	93
73)	4-chlorotoluene	18.03	91	5115333	151.929 ug/L	92
74)	1,3,5-trimethylbenzene	17.95	105	5430103	179.293 ug/L	92
75)	tert-butylbenzene	18.35	119	4575077m	200.820 ug/L	
76)	1,2,4-trimethylbenzene	18.40	105	5555150	173.986 ug/L	89
77)	sec-butylbenzene	18.58	105	6372091	192.673 ug/L	93
78)	1,3-dichlorobenzeneV	18.84	146	3495687	169.405 ug/L	97
79)	p-isopropyltoluene	18.71	119	5295935	201.784 ug/L	94
80)	1,4-dichlorobenzeneV	18.95	146	3461906	158.676 ug/L	94
81)	1,2-dichlorobenzeneV	19.32	146	3354399	157.247 ug/L	95
82)	n-butylbenzene	19.13	91	4898682	199.599 ug/L	90
84)	1,2-dibromo-3-chloropropan	20.03	75	441407	152.122 ug/L	86
85)	1,3,5-trichlorobenzV	20.24	180	2561269	199.990 ug/L	99
86)	1,2,4-trichlorobenzV	20.88	180	2436655	230.434 ug/L	97
87)	hexachlorobutadieneV	21.01	225	1195875	196.992 ug/L	97
88)	naphthaleneV	21.18	128	5447823	233.618 ug/L	99
89)	1,2,3-trichlorobenzV	21.44	180	2255857	238.705 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121416.D Vial: 16
Acq On : 14 Dec 2010 4:23 pm Operator: KJP
Sample : 200 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 12:21 2011 Quant Results File: 4VID1214.RES

Method : T:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Feb 22 11:42:41 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121415.D Vial: 15
Acq On : 14 Dec 2010 3:47 pm Operator: KJP
Sample : 200 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:31:15 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

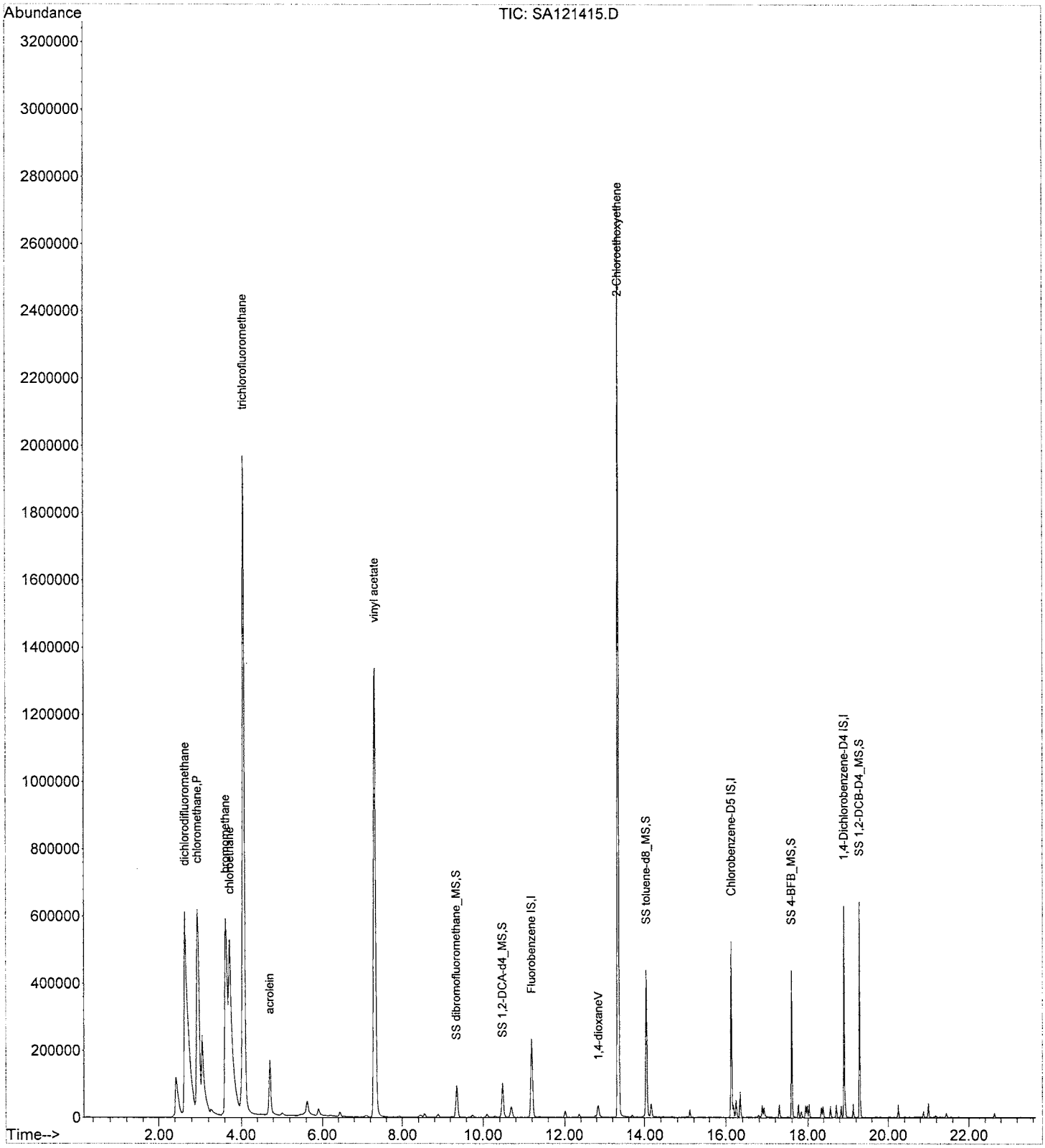
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.19	96	366869	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.13	117	294805	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.91	152	154684	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.35	111	97672	9.57 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.73%		
35) SS 1,2-DCA-d4_MS	10.47	65	112132	7.99 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 79.92%#		
48) SS toluene-d8_MS	14.05	98	361617	9.24 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 92.38%		
65) SS 4-BFB_MS	17.60	95	136427	9.20 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 91.97%		
83) SS 1,2-DCB-D4_MS	19.29	152	142446	10.56 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.58%		
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	2.64	85	2172364	165.081 ug/L	97
3) chloromethane	2.94	50	1632493m	97.189 ug/L	
5) bromomethane	3.62	94	1254218m	181.607 ug/L	
6) chloroethane	3.72	64	1045719m	134.329 ug/L	
7) trichlorofluoromethane	4.06	101	2822187	169.952 ug/L	100
10) acrolein	4.72	56	257587	145.109 ug/L	98
22) vinyl acetate	7.32	43	3595190	162.201 ug/L	96
41) 1,4-dioxaneV	12.85	88	44076	429.936 ug/L	91
44) 2-Chloroethoxyethene	13.34	63	1340599	203.611 ug/L #	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121415.D Vial: 15
Acq On : 14 Dec 2010 3:47 pm Operator: KJP
Sample : 200 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 12:21 2011 Quant Results File: 4VID1214.RES

Method : T:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Feb 22 11:42:41 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121420.D Vial: 20
Acq On : 14 Dec 2010 6:49 pm Operator: KJP
Sample : 300 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:31:31 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.20	96	356948	10.000 ug/L	0.01
47) Chlorobenzene-D5 IS	16.13	117	290325	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.92	152	147023	10.000 ug/L	0.01
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.36	111	99738	10.05 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.48%		
35) SS 1,2-DCA-d4_MS	10.48	65	109099	7.99 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 79.92%#		
48) SS toluene-d8_MS	14.06	98	352130	9.13 ug/L	0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 91.35%		
65) SS 4-BFB_MS	17.60	95	136366	9.33 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 93.35%		
83) SS 1,2-DCB-D4_MS	19.29	152	134178	10.46 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.64%		
90) SS 2,5-DBT_MS	22.64	250	1237854	414.76 ug/L	0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 1036.89%#		
Target Compounds					Qvalue
8) diethyl ether	4.50	59	1775231	196.170 ug/L #	89
9) 1,1,2-Trichlorotrifluoroet	4.71	101	2295282	295.734 ug/L	92
11) acetone	4.83	43	564652m	176.860 ug/L	
12) 1,1-dichloroethene	5.01	96	2206589	265.152 ug/L	77
13) tert-Butyl Alcohol (TBA)	5.22	59	1015775	1117.943 ug/L	92
15) methylene chloride	5.89	84	2319502m	222.628 ug/L	
16) carbon disulfide	5.90	76	7255869	297.840 ug/L	100
17) acrylonitrile	6.16	53	793424	167.101 ug/L	97
18) Methyl-t-butyl ether (MTBE	6.18	73	10665990	473.954 ug/L #	91
19) trans-1,2-dichloroethene	6.44	96	2963478	298.250 ug/L	82
20) hexane	6.57	57	3178807	379.135 ug/L	98
21) Isopropyl ether (DIPE)	7.09	45	8320764	236.645 ug/L #	94
23) 1,1-dichloroethane	7.29	63	5099622	248.340 ug/L	96
24) Ethyl-t-butyl ether (ETBE)	7.93	59	7822747	264.103 ug/L #	92
25) 2,2-dichloropropane	8.45	77	3968090	280.088 ug/L	94
26) cis-1,2-dichloroethene	8.55	96	3233250	309.366 ug/L	84
27) 2-butanone (MEK)	8.20	43	1153950	248.347 ug/L #	92
28) bromochloromethane	9.25	128	1662172	318.510 ug/L #	72
29) Tetrahydrofuran (THF)	9.32	42	779344	268.207 ug/L #	84
30) chloroform	8.88	83	5098898	259.014 ug/L	98
32) 1,1,1-trichloroethane	9.74	97	4483179	313.340 ug/L	94
33) carbon tetrachloride	10.30	117	4039224	353.452 ug/L	99
34) 1,1-dichloropropene	10.11	75	3899913	328.851 ug/L	97
36) tert-amyl methyl ether (TA	10.39	73	6853348	321.900 ug/L #	85
37) benzene	10.71	78	9666980	261.617 ug/L #	90
38) 1,2-dichloroethane	10.70	62	3679882	208.151 ug/L	95
39) trichloroethene	12.01	95	2871249	293.849 ug/L	89
40) 1,2-dichloropropane	12.36	63	2796980	249.166 ug/L	95
42) dibromomethane	12.86	93	1856289	273.022 ug/L	91
43) bromodichloromethane	12.78	83	3863039	279.401 ug/L	97
45) 4-methyl-2-pentanone (MIBK	13.38	58	956815	248.619 ug/L #	93
46) cis-1,3-dichloropropene	13.69	75	4114522	300.138 ug/L	93
49) toluene	14.17	91	8969448	227.018 ug/L	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121420.D Vial: 20
Acq On : 14 Dec 2010 6:49 pm Operator: KJP
Sample : 300 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:31:31 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

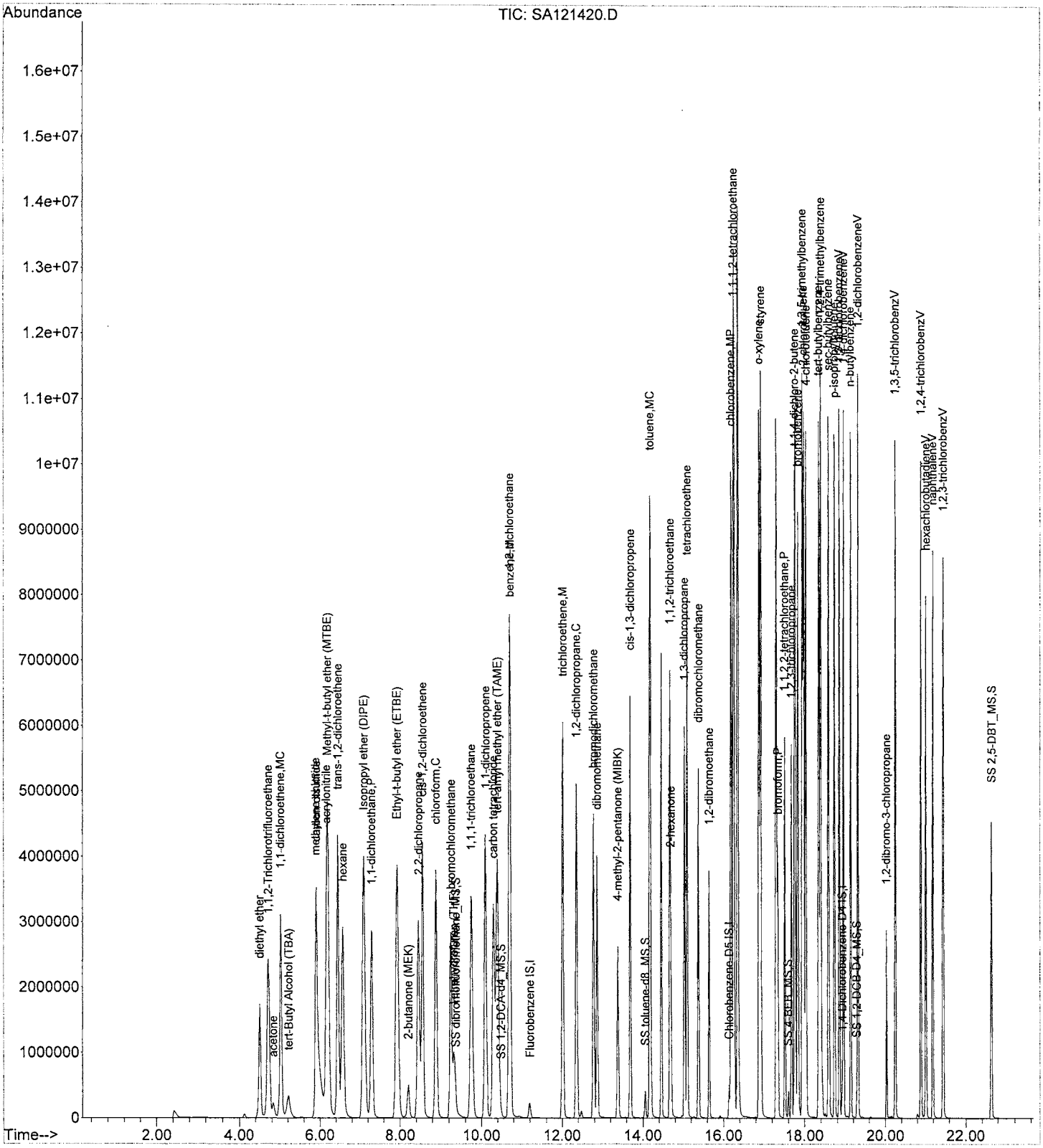
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
51)	1,1,2-trichloroethane	14.67	83	1912620	223.376 ug/L		96
52)	2-hexanone	14.70	43	1450264	206.318 ug/L	#	96
53)	tetrachloroethene	15.10	166	2720760	307.962 ug/L		97
54)	1,3-dichloropropane	15.03	76	3652660	221.983 ug/L		96
55)	dibromochloromethane	15.38	129	2940346	289.731 ug/L		100
56)	1,2-dibromoethane	15.64	107	2551950	245.170 ug/L		98
57)	chlorobenzene	16.18	112	6056685	227.903 ug/L		96
58)	1,1,1,2-tetrachloroethane	16.24	131	2043494	228.256 ug/L		99
61)	o-xylene	16.88	106	3935323	272.914 ug/L		87
62)	styrene	16.92	104	6396154	231.835 ug/L		93
63)	bromoform	17.34	173	1945160	269.952 ug/L	#	98
67)	bromobenzene	17.84	156	2910904	224.332 ug/L		86
68)	1,1,2,2-tetrachloroethane	17.50	83	2927992	192.608 ug/L		100
69)	1,2,3-trichloropropane	17.68	110	886815	201.678 ug/L		99
70)	t-1,4-dichloro-2-butene	17.76	53	802944	185.015 ug/L	#	50
72)	2-chlorotoluene	17.98	91	6952641	205.502 ug/L		93
73)	4-chlorotoluene	18.04	91	6423620	206.456 ug/L		90
74)	1,3,5-trimethylbenzene	17.95	105	6718070	240.039 ug/L		91
75)	tert-butylbenzene	18.35	119	5884049m	279.491 ug/L		
76)	1,2,4-trimethylbenzene	18.40	105	6895553	233.705 ug/L		87
77)	sec-butylbenzene	18.58	105	7736469	253.142 ug/L	#	91
78)	1,3-dichlorobenzeneV	18.84	146	4373330	229.344 ug/L		97
79)	p-isopropyltoluene	18.73	119	6467717	266.671 ug/L		92
80)	1,4-dichlorobenzeneV	18.95	146	4253473	210.970 ug/L		94
81)	1,2-dichlorobenzeneV	19.32	146	4158113	210.934 ug/L		95
82)	n-butylbenzene	19.13	91	5883020	259.395 ug/L	#	88
84)	1,2-dibromo-3-chloropropan	20.03	75	589929	220.361 ug/L		86
85)	1,3,5-trichlorobenzV	20.24	180	3282792	277.383 ug/L		98
86)	1,2,4-trichlorobenzV	20.88	180	3121256	319.422 ug/L		97
87)	hexachlorobutadieneV	21.01	225	1594446	284.379 ug/L		98
88)	naphthaleneV	21.18	128	6743500	312.932 ug/L		98
89)	1,2,3-trichlorobenzV	21.44	180	2903202	332.437 ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121420.D Vial: 20
Acq On : 14 Dec 2010 6:49 pm Operator: KJP
Sample : 300 M Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 12:22 2011 Quant Results File: 4VID1214.RES

Method : T:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Feb 22 11:42:41 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121417.D Vial: 17
Acq On : 14 Dec 2010 5:00 pm Operator: KJP
Sample : 300 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 15 10:31:23 2010 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Sun Nov 14 12:12:13 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

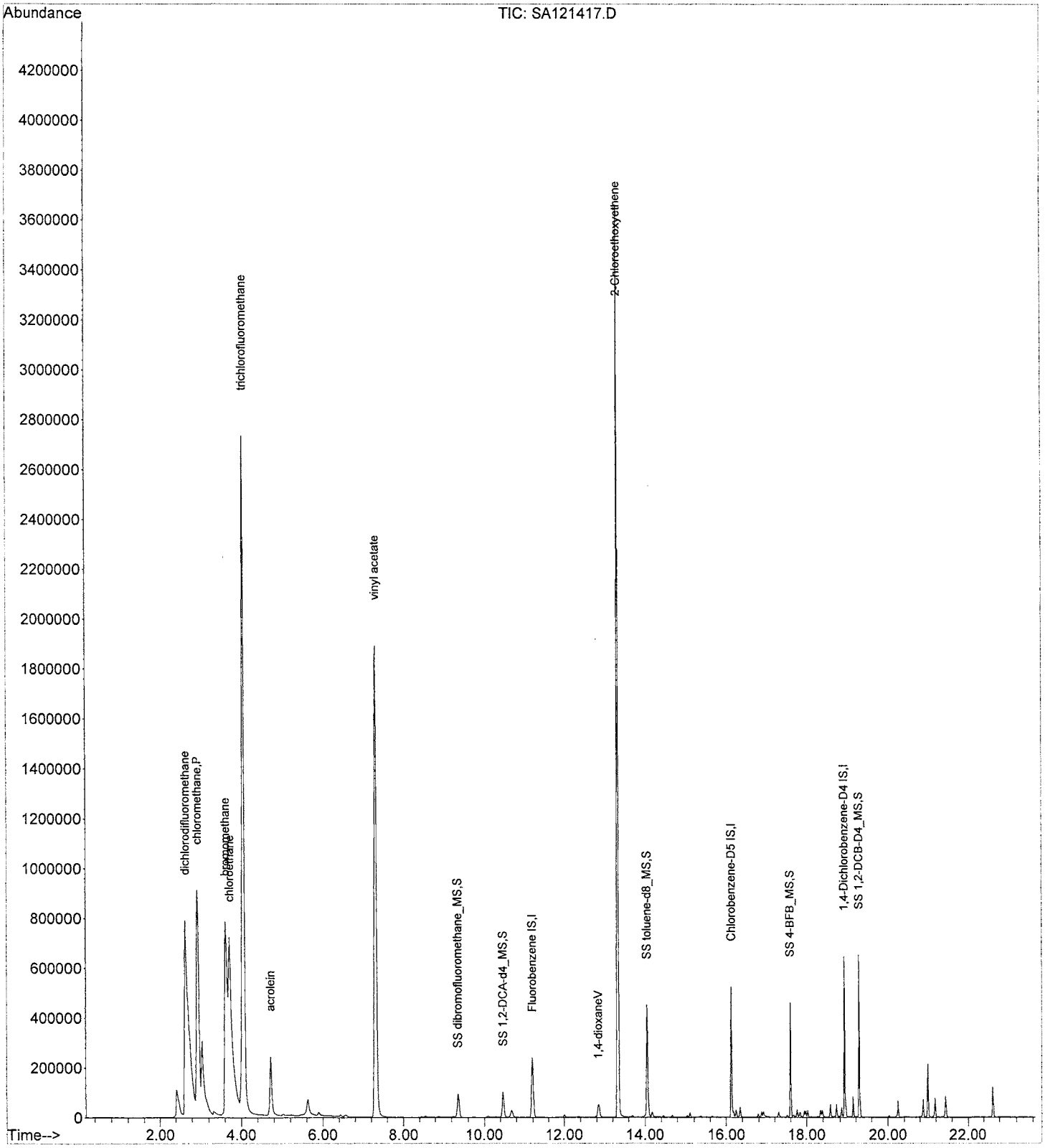
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.19	96	372206	10.000	ug/L	0.00
47) Chlorobenzene-D5 IS	16.13	117	307586	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.91	152	160181	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.35	111	97283	9.40	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.99%			
35) SS 1,2-DCA-d4_MS	10.47	65	110576	7.77	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 77.68%#			
48) SS toluene-d8_MS	14.05	98	371562	9.10	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 90.98%			
65) SS 4-BFB_MS	17.60	95	141361	9.13	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 91.34%			
83) SS 1,2-DCB-D4_MS	19.29	152	145692	10.43	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.28%			
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	2.64	85	3215268m	240.830	ug/L	
3) chloromethane	2.94	50	2339296	137.270	ug/L	97
5) bromomethane	3.62	94	1784863m	254.737	ug/L	
6) chloroethane	3.72	64	1489646m	188.610	ug/L	
7) trichlorofluoromethane	4.06	101	3904140	231.736	ug/L	100
10) acrolein	4.72	56	377698	209.721	ug/L	98
22) vinyl acetate	7.32	43	5228156	232.894	ug/L #	95
41) 1,4-dioxaneV	12.84	88	69390	667.154	ug/L	91
44) 2-Chloroethoxyethene	13.34	63	1899230	284.320	ug/L #	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : T:\1\DATA\2010\DEC10\DEC1410\SA121417.D Vial: 17
Acq On : 14 Dec 2010 5:00 pm Operator: KJP
Sample : 300 G Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 12:22 2011 Quant Results File: 4VID1214.RES

Method : T:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Tue Feb 22 11:42:41 2011
Response via : Initial Calibration



Volatile Organic Analysis
Support Data
96745

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

IS/SS ID= V-3735 (refilled IS/SS)
Standard ID= V-3717A
Gas Standard ID= V-3734
LCS/LCSD and/or MS/MSD Standard ID= V-3719 (L)
V-3730 (G)

Analyst: MP

Date: 2/10/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	pH<2	A
1	SA021001	BFB					VOCMS		Autofind BFB		✓
2	02	STD20					VOCMS	4VID1214	FB:325552 ↓↓ acrolein, THF, 2CEVE		✓
3	03	STD2					VOCMS		THF = 2.12 µg/L ok		✓
4	04	MB					VOCMS		in control		✓
5	05	96706.01		✓		X1	VOCMS				
6	06	.02		✓			VOCMS				
7	07	96707.01		✓			VOCMS				
8	08	.02		✓			VOCMS				
9	09	96745.04		✓			VOCMS				
10	10	.05		✓			VOCMS				
11	11	.06		✓			VOCMS				
12	12	.07		✓			VOCMS				
13	13	.08		✓			VOCMS		TB		
14	14	.01		✓			VOCMS				
15	15	96757.07		✓			VOCMS				
16	16	.09		✓			VOCMS		TB		
17	17	96745.04 - MS		✓			VOCMS				
18	18	96745.04 - MSD		✓		↓	VOCMS				
19	19	LCS					VOCMS		↓↓ 2CEVE		✓
20	20	LCSd					VOCMS	↓	↓↓ 2CEVE		✓
21	21	BFB					VOCMS		Avg. 17.573 to 17.619		✓
22	22	STD20					VOCMS	4VID1214	FB 298276 ↓↓ acrolein, 2CEVE, 1112TCA Autofind BFB		✓
23	23	STD2					VOCMS		ok		✓
24	24	MB - MeOH					VOCMS		prep 2/10/11 in control - HCBD @ 0.31 <RL,		✓
25	25	96757.01			✓	X10	VOCMS		prep 2/10/11 RRx1 not present in samples - ok		
26	26	.02			✓		VOCMS		RRx2		
27	27	.03			✓		VOCMS		RRx5		
28	28	.04			✓		VOCMS		RRx2		
29	29	.05			✓		VOCMS		RRx5		
30	30	.06			✓	↓	VOCMS		RRx1		
31	31	Blank					VOCMS				
32	32	96757.09			✓	X1	VOCMS		TB		
33	33	LCS - MeOH					VOCMS		prep 2/10/11 in control		✓
34	34	LCSd - MeOH					VOCMS		↓ in control		✓
35	35	96815.02			✓	X1	VOCMS		TB		
36	36	.01			✓	X1	VOCMS				
—							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS				
							VOCMS		2/10/11		

Samples removed from autosampler, order and pH verified by MP 2/11/11

BFB

Data File : Y:\1\DATA\FEB11\FEB1011\SA021001.D Vial: 1
Acq On : 10 Feb 2011 8:31 am Operator: KJP
Sample : BFB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane

AutoFind: Scans 1525, 1526, 1527; Background Corrected with Scan 1521

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	9249	PASS
75	95	30	60	46.5	25150	PASS
95	95	100	100	100.0	54056	PASS
96	95	5	9	6.7	3636	PASS
173	174	0.00	2	0.1	70	PASS
174	95	50	100	89.6	48416	PASS
175	174	5	9	7.7	3705	PASS
176	174	95	101	100.0	48440	PASS
177	176	5	9	6.4	3094	PASS

SA021001.D 4VID1214.M Thu Feb 17 15:32:23 2011

GC/MS QA-QC Check Report

Tune File : C:\MSDCHEM\1\DATA\FEB1011\SA021001.D
Tune Time : 10 Feb 2011 8:31 am

Daily Calibration File : C:\MSDCHEM\1\DATA\FEB1011\SA021002.D

						325552	258442	134773

File	Sample	Surrogate Recovery %				Internal Standard Responses		
SA021002.D	STD 20	100	98	102	100	325552	258442	134773
		98	48*					
SA021003.D	STD 2	97	94	101	98	328978	257854	134904
		101	8*					
SA021004.D	MB	99	97	101	96	316956	252799	127865
		102	1*					
SA021005.D	96706.01	97	96	101	94	317028	249463	125434
		104	0*					
SA021006.D	96706.02	100	101	99	96	306910	245716	125480
		102	0*					
SA021007.D	96707.01	100	100	102	95	305364	243219	126602
		103	0*					
SA021008.D	96707.02	99	100	101	95	307200	239562	123769
		105	0*					
SA021009.D	96745.04	101	102	100	93	298100	239669	118708
		108	0*					
SA021010.D	96745.05	103	103	100	96	293238	233745	118815
		105	0*					
SA021011.D	96745.06	102	102	103	95	294019	231800	120298
		103	0*					
SA021012.D	96745.07	104	103	100	94	286113	228861	116238
		104	0*					
SA021013.D	96745.08	103	103	99	93	286735	233122	119394
		105	0*					
SA021014.D	96745.01	105	105	100	93	281666	226856	114581
		106	0*					
SA021015.D	96757.07	105	103	100	94	284481	228580	114635
		107	0*					
SA021016.D	96757.09	109	106	100	95	274517	223464	114382
		106	0*					
SA021017.D	96745.04 (MS)	107	103	103	103	291229	234366	129091
		99	0*					
SA021018.D	96745.04 (MSD)	103	101	103	102	292742	234196	126229
		101	0*					
SA021019.D	LCS	104	98	103	102	307383	241832	129533
		100	0*					
SA021020.D	LCSD	103	99	101	101	303891	243406	130921
		101	0*					

t - fails 12hr time check * - fails criteria

Created: Fri Feb 11 08:33:14 2011 VOAMS4

Evaluate Continuing Calibration Report

Data File : Y:\1\DATA\FEB11\FEB1011\SA021002.D Vial: 2
Acq On : 10 Feb 2011 9:07 am Operator: KJP
Sample : STD 20 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
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	91	-0.01
2		dichlorodifluoromethane	20.000	18.095	9.5	78	0.00
3	P	chloromethane	20.000	18.361	8.2	84	0.01
4	C	vinyl chloride	20.000	17.174	14.1	91	0.00
5		bromomethane	20.000	19.260	3.7	90	0.00
6		chloroethane	20.000	19.725	1.4	89	0.00
7		trichlorofluoromethane	20.000	20.852	-4.3	90	0.00
8		diethyl ether	20.000	18.379	8.1	80	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	20.022	-0.1	93	0.01
10		acrolein	20.000	6.299	68.5#	30	0.00
11		acetone	20.000	18.639	6.8	82	0.00
12	MC	1,1-dichloroethene	20.000	19.322	3.4	90	0.00
13		tert-Butyl Alcohol (TBA)	100.000	81.009	19.0	73	0.00
14		iodomethane	20.000	0.000	100.0#	0	0.02
15		methylene chloride	20.000	18.417	7.9	78	-0.01
16		carbon disulfide	20.000	19.544	2.3	86	0.00
17		acrylonitrile	20.000	18.020	9.9	78	0.00
18		Methyl-t-butyl ether (MTBE)	40.000	39.325	1.7	87	0.00
19		trans-1,2-dichloroethene	20.000	19.626	1.9	89	0.01
20		hexane	20.000	19.901	0.5	87	0.00
21		Isopropyl ether (DIPE)	20.000	18.408	8.0	80	-0.01
22		vinyl acetate	20.000	19.018	4.9	91	-0.01
23	P	1,1-dichloroethane	20.000	18.761	6.2	84	0.00
24		Ethyl-t-butyl ether (ETBE)	20.000	19.292	3.5	85	0.00
25		2,2-dichloropropane	20.000	21.582	-7.9	97	0.00
26		cis-1,2-dichloroethene	20.000	19.575	2.1	87	0.00
27		2-butanone (MEK)	20.000	16.994	15.0	77	-0.01
28		bromochloromethane	20.000	18.874	5.6	84	0.00
29		Tetrahydrofuran (THF)	20.000	15.488	22.6#	70	-0.01
30	C	chloroform	20.000	19.227	3.9	87	0.00
31	S	SS dibromofluoromethane_MS	10.000	9.967	0.3	89	0.00
32		1,1,1-trichloroethane	20.000	20.687	-3.4	94	-0.01
33		carbon tetrachloride	20.000	21.483	-7.4	100	0.00
34		1,1-dichloropropene	20.000	20.015	-0.1	87	-0.01
35	S	SS 1,2-DCA-d4_MS	10.000	9.761	2.4	88	0.00
36		tert-amyl methyl ether (TAM	20.000	19.582	2.1	88	0.00
37	M	benzene	20.000	19.908	0.5	86	0.00
38		1,2-dichloroethane	20.000	18.411	7.9	81	0.00
39	M	trichloroethene	20.000	19.827	0.9	88	0.00
40	C	1,2-dichloropropane	20.000	18.761	6.2	82	0.00
41		1,4-dioxaneV	40.000	34.454	13.9	78	0.00
42		dibromomethane	20.000	18.834	5.8	82	0.00
43		bromodichloromethane	20.000	20.103	-0.5	86	-0.01
44		2-Chloroethoxyethene	20.000	11.028	44.9#	47	0.00
45		4-methyl-2-pentanone (MIBK)	20.000	16.520	17.4	72	0.00
46		cis-1,3-dichloropropene	20.000	21.512	-7.6	89	0.00
47	I	Chlorobenzene-D5 IS	10.000	10.000	0.0	89	0.00
48	S	SS toluene-d8_MS	10.000	10.234	-2.3	91	0.00
49	MC	toluene	20.000	21.017	-5.1	88	0.00
50		trans-1,3-dichloropropene	20.000	18.979	5.1	86	0.00
51		1,1,2-trichloroethane	20.000	19.435	2.8	82	0.00
52		2-hexanone	20.000	17.244	13.8	70	0.00
53		tetrachloroethene	20.000	21.163	-5.8	89	0.00
54		1,3-dichloropropane	20.000	19.391	3.0	81	0.00
55		dibromochloromethane	20.000	20.726	-3.6	89	0.00
56		1,2-dibromoethane	20.000	20.256	-1.3	84	0.00

57	MP	chlorobenzene	20.000	20.785	-3.9	87	0.00
58		1,1,1,2-tetrachloroethane	20.000	23.533	-17.7	93	0.00
59	C	ethylbenzene	20.000	21.553	-7.8	88	-0.01
60		mp-xylene	40.000	42.701	-6.8	86	0.00
61		o-xylene	20.000	21.614	-8.1	86	0.00
62		styrene	20.000	22.110	-10.5	87	0.00
63	P	bromoform	20.000	18.060	9.7	92	0.00
64		iso-propylbenzene	20.000	21.866	-9.3	89	0.00
65	S	SS 4-BFB_MS	10.000	10.047	-0.5	90	0.00
66	I	1,4-Dichlorobenzene-D4 IS	10.000	10.000	0.0	85	0.00
67		bromobenzene	20.000	21.443	-7.2	87	0.00
68	P	1,1,2,2-tetrachloroethane	20.000	19.762	1.2	80	0.00
69		1,2,3-trichloropropane	20.000	19.250	3.8	78	0.00
70		t-1,4-dichloro-2-butene	20.000	18.309	8.5	73	0.00
71		n-propylbenzene	20.000	22.336	-11.7	88	-0.01
72		2-chlorotoluene	20.000	22.277	-11.4	88	-0.01
73		4-chlorotoluene	20.000	21.521	-7.6	85	0.00
74		1,3,5-trimethylbenzene	20.000	23.177	-15.9	87	0.00
75		tert-butylbenzene	20.000	23.371	-16.9	90	-0.01
76		1,2,4-trimethylbenzene	20.000	22.505	-12.5	87	0.00
77		sec-butylbenzene	20.000	23.170	-15.9	88	0.00
78		1,3-dichlorobenzeneV	20.000	21.708	-8.5	86	0.00
79		p-isopropyltoluene	20.000	22.913	-14.6	87	0.00
80		1,4-dichlorobenzeneV	20.000	21.357	-6.8	87	0.00
81		1,2-dichlorobenzeneV	20.000	21.029	-5.1	85	-0.01
82		n-butylbenzene	20.000	22.940	-14.7	87	0.00
83	S	SS 1,2-DCB-D4_MS	10.000	9.823	1.8	85	0.00
84		1,2-dibromo-3-chloropropane	20.000	17.256	13.7	80	0.00
85		1,3,5-trichlorobenzV	20.000	21.867	-9.3	86	0.00
86		1,2,4-trichlorobenzV	20.000	21.853	-9.3	87	0.00
87		hexachlorobutadieneV	20.000	19.832	0.8	82	0.00
88		naphthaleneV	20.000	21.225	-6.1	81	0.00
89		1,2,3-trichlorobenzV	20.000	21.018	-5.1	84	0.00
90	S	SS 2,5-DBT_MS	20.000	19.342	3.3	80	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 1
SA121409.D 4VID1214.M Thu Feb 17 15:32:39 2011

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\FEB11\FEB1011\SA021002.D Vial: 2
Acq On : 10 Feb 2011 9:07 am Operator: KJP
Sample : STD 20 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 09:39:25 2011 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.191	96	325552	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.135	117	258442	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	134773	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	88627	9.967 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.670%		
35) SS 1,2-DCA-d4_MS	10.472	65	97780	9.761 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.610%		
48) SS toluene-d8_MS	14.045	98	322343	10.234 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.340%		
65) SS 4-BFB_MS	17.596	95	121829	10.047 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.470%		
83) SS 1,2-DCB-D4_MS	19.286	152	120059	9.823 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.230%		
90) SS 2,5-DBT_MS	22.631	250	70932	19.342 ug/L	-0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 48.355%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.640	85	167558m	18.095 ug/L	
3) chloromethane	2.948	50	146733m	18.361 ug/L	
4) vinyl chloride	3.062	62	100800	17.174 ug/L	100
5) bromomethane	3.633	94	96376	19.260 ug/L	100
6) chloroethane	3.724	64	91251	19.725 ug/L	97
7) trichlorofluoromethane	4.067	101	257575	20.852 ug/L	100
8) diethyl ether	4.501	59	101268	18.379 ug/L	97
9) 1,1,2-Trichlorotrifluoroet	4.729	101	142307	20.022 ug/L	98
10) acrolein	4.718	56	6796	6.299 ug/L	95
11) acetone	4.832	43	37150m	18.639 ug/L	
12) 1,1-dichloroethene	5.026	96	131966	19.322 ug/L	99
13) tert-Butyl Alcohol (TBA)	5.186	59	51003m	81.009 ug/L	
15) methylene chloride	5.894	84	145702	18.417 ug/L	94
16) carbon disulfide	5.905	76	438102	19.544 ug/L	100
17) acrylonitrile	6.145	53	49970	18.020 ug/L	98
18) Methyl-t-butyl ether (MTBE	6.179	73	706886	39.325 ug/L	97
19) trans-1,2-dichloroethene	6.453	96	184329	19.626 ug/L	95
20) hexane	6.567	57	192064	19.901 ug/L	95
21) Isopropyl ether (DIPE)	7.081	45	472994	18.408 ug/L	96
22) vinyl acetate	7.309	43	271281	19.018 ug/L	97
23) 1,1-dichloroethane	7.298	63	305246	18.761 ug/L	98
24) Ethyl-t-butyl ether (ETBE)	7.926	59	447170	19.292 ug/L	98
25) 2,2-dichloropropane	8.451	77	229544	21.582 ug/L	99
26) cis-1,2-dichloroethene	8.554	96	193801	19.575 ug/L	97
27) 2-butanone (MEK)	8.188	43	60265	16.994 ug/L	97
28) bromochloromethane	9.239	128	97538	18.874 ug/L	92
29) Tetrahydrofuran (THF)	9.319	42	36292	15.488 ug/L	92
30) chloroform	8.885	83	313955	19.227 ug/L	99
32) 1,1,1-trichloroethane	9.741	97	261546	20.687 ug/L	97
33) carbon tetrachloride	10.301	117	227717	21.483 ug/L	99
34) 1,1-dichloropropene	10.095	75	235059	20.015 ug/L	98
36) tert-amyl methyl ether (TA	10.392	73	386675	19.582 ug/L	94
37) benzene	10.700	78	701368	19.908 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\FEB11\FEB1011\SA021002.D Vial: 2
Acq On : 10 Feb 2011 9:07 am Operator: KJP
Sample : STD 20 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 09:39:25 2011 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

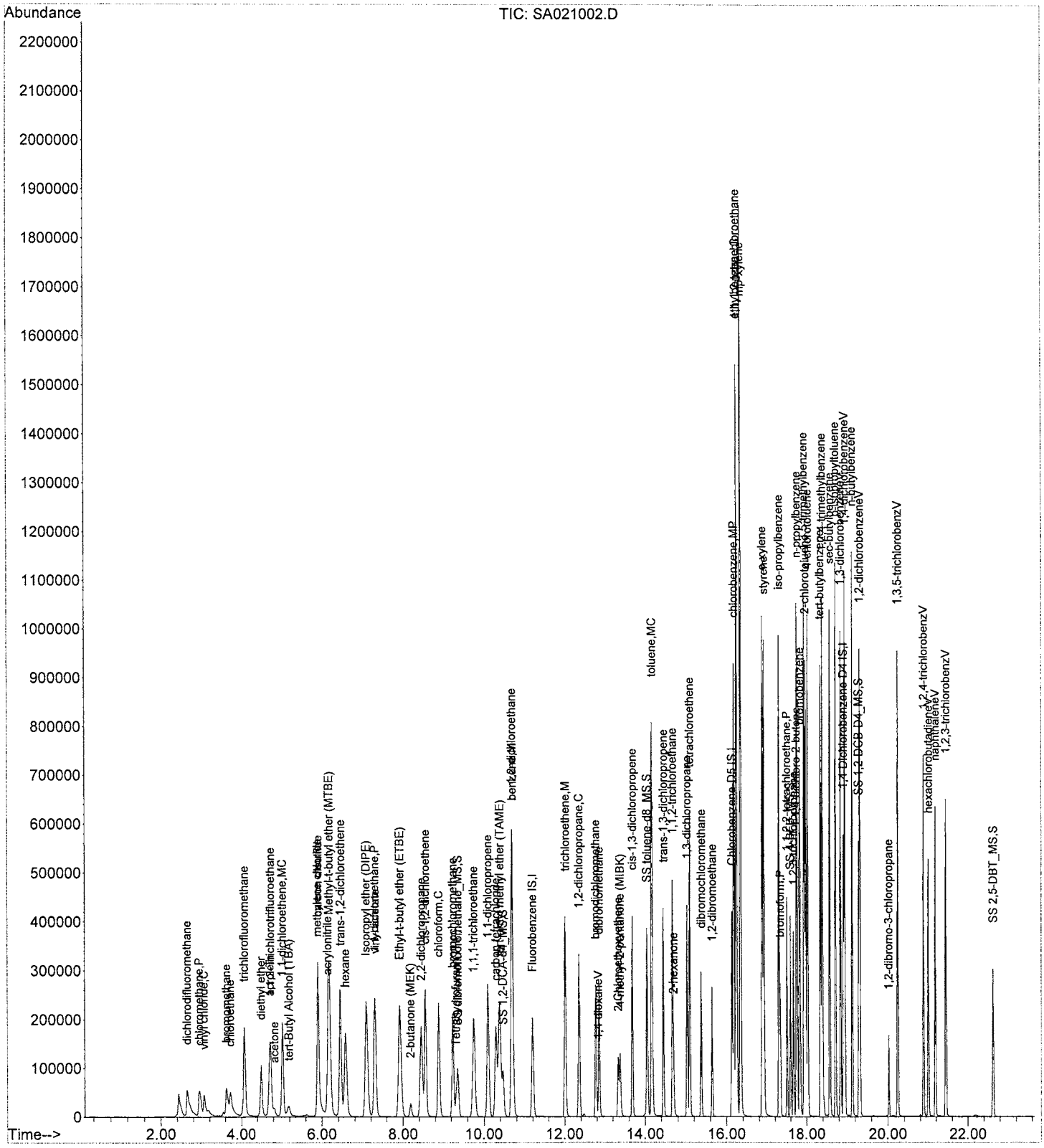
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
38)	1,2-dichloroethane	10.689	62	237474	18.411	ug/L		97
39)	trichloroethene	12.013	95	184883	19.827	ug/L		96
40)	1,2-dichloropropane	12.356	63	171492	18.761	ug/L		96
41)	1,4-dioxaneV	12.835	88	3385	34.454	ug/L		96
42)	dibromomethane	12.858	93	117427	18.834	ug/L		97
43)	bromodichloromethane	12.767	83	224939	20.103	ug/L		98
44)	2-Chloroethoxyethene	13.337	63	60670	11.028	ug/L		99
45)	4-methyl-2-pentanone (MIBK	13.383	58	47844	16.520	ug/L	#	52
46)	cis-1,3-dichloropropene	13.691	75	258641	21.512	ug/L		98
49)	toluene	14.171	91	742050	21.017	ug/L		99
50)	trans-1,3-dichloropropene	14.456	75	240859	18.979	ug/L		98
51)	1,1,2-trichloroethane	14.673	83	128650	19.435	ug/L		97
52)	2-hexanone	14.696	43	76561	17.244	ug/L		92
53)	tetrachloroethene	15.096	166	198428	21.163	ug/L		98
54)	1,3-dichloropropane	15.027	76	252517	19.391	ug/L		98
55)	dibromochloromethane	15.381	129	174276	20.726	ug/L		100
56)	1,2-dibromoethane	15.644	107	164168	20.256	ug/L		98
57)	chlorobenzene	16.180	112	506777	20.785	ug/L		98
58)	1,1,1,2-tetrachloroethane	16.237	131	167599	23.533	ug/L		98
59)	ethylbenzene	16.237	91	796081	21.553	ug/L		100
60)	mp-xylene	16.340	106	617861	42.701	ug/L		99
61)	o-xylene	16.877	106	307594	21.614	ug/L		99
62)	styrene	16.922	104	558606	22.110	ug/L		99
63)	bromoform	17.333	173	109383	18.060	ug/L	#	99
64)	iso-propylbenzene	17.299	105	689379	21.866	ug/L		100
67)	bromobenzene	17.836	156	225915	21.443	ug/L		97
68)	1,1,2,2-tetrachloroethane	17.505	83	196648	19.762	ug/L		100
69)	1,2,3-trichloropropane	17.676	110	55158	19.250	ug/L		100
70)	t-1,4-dichloro-2-butene	17.744	53	47234	18.309	ug/L	#	83
71)	n-propylbenzene	17.756	91	870766	22.336	ug/L		100
72)	2-chlorotoluene	17.973	91	629509	22.277	ug/L		100
73)	4-chlorotoluene	18.030	91	550294	21.521	ug/L		100
74)	1,3,5-trimethylbenzene	17.939	105	607622	23.177	ug/L		100
75)	tert-butylbenzene	18.338	119	494490m	23.371	ug/L		
76)	1,2,4-trimethylbenzene	18.384	105	628471	22.505	ug/L		100
77)	sec-butylbenzene	18.578	105	732818	23.170	ug/L		100
78)	1,3-dichlorobenzeneV	18.840	146	381061	21.708	ug/L		98
79)	p-isopropyltoluene	18.715	119	594856	22.913	ug/L		100
80)	1,4-dichlorobenzeneV	18.943	146	385828	21.357	ug/L		99
81)	1,2-dichlorobenzeneV	19.309	146	366654	21.029	ug/L		98
82)	n-butylbenzene	19.126	91	554210	22.940	ug/L		100
84)	1,2-dibromo-3-chloropropan	20.028	75	29972	17.256	ug/L		97
85)	1,3,5-trichlorobenzV	20.245	180	263469	21.867	ug/L		99
86)	1,2,4-trichlorobenzV	20.884	180	237350	21.853	ug/L		99
87)	hexachlorobutadieneV	21.010	225	108997	19.832	ug/L		99
88)	naphthaleneV	21.181	128	516107	21.225	ug/L		100
89)	1,2,3-trichlorobenzV	21.443	180	209425	21.018	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\FEB11\FEB1011\SA021002.D Vial: 2
Acq On : 10 Feb 2011 9:07 am Operator: KJP
Sample : STD 20 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 9:44 2011 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\FEB11\FEB1011\SA021004.D Vial: 4
Acq On : 10 Feb 2011 10:19 am Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 13:33:04 2011 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

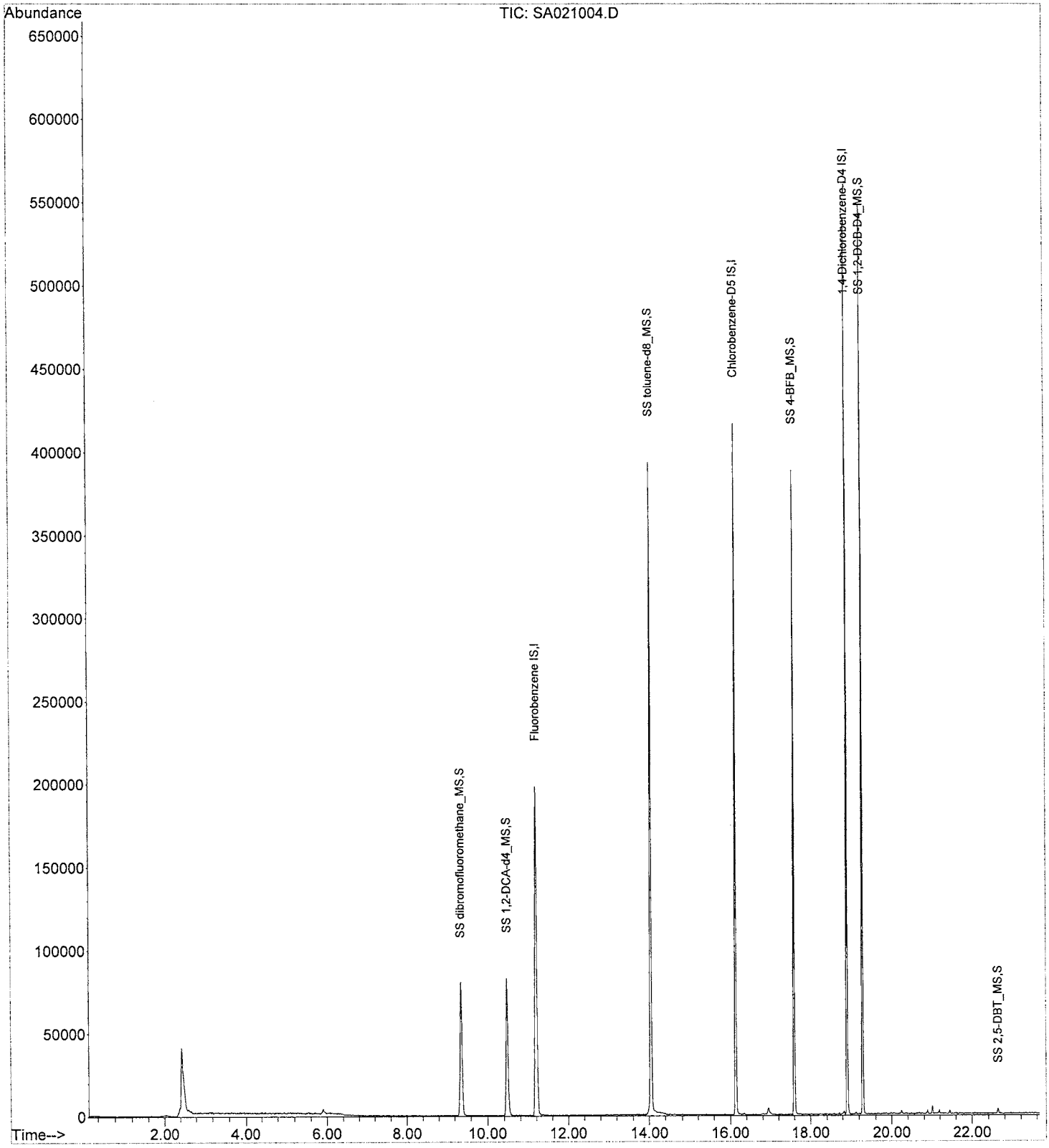
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.191	96	316956	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.134	117	252799	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	127865	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.353	111	85705	9.899 ug/L	-0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.990%		
35) SS 1,2-DCA-d4_MS	10.472	65	95011	9.741 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.410%		
48) SS toluene-d8_MS	14.045	98	309878	10.058 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.580%		
65) SS 4-BFB_MS	17.596	95	113386	9.560 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.600%		
83) SS 1,2-DCB-D4_MS	19.285	152	118646	10.232 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.320%		
90) SS 2,5-DBT_MS	22.631	250	999	0.287 ug/L	-0.01
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.717%#		
Target Compounds					Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\FEB11\FEB1011\SA021004.D Vial: 4
Acq On : 10 Feb 2011 10:19 am Operator: KJP
Sample : MB Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 13:34 2011 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\FEB11\FEB1011\SA021019.D Vial: 19
Acq On : 10 Feb 2011 7:26 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 08:26:45 2011 Quant Results File: 4VID1214.RES

Quant Method : C:\MSDCHEM\1...\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.191	96	307383	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.135	117	241832	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	129533	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	87685	10.443 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.430%		
35) SS 1,2-DCA-d4_MS	10.472	65	93168	9.850 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.500%		
48) SS toluene-d8_MS	14.045	98	304186	10.321 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.210%		
65) SS 4-BFB_MS	17.596	95	115773	10.204 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 102.040%		
83) SS 1,2-DCB-D4_MS	19.286	152	117858	10.033 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.330%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.651	85	166233m	19.013 ug/L	
3) chloromethane	2.948	50	143655m	19.038 ug/L	
4) vinyl chloride	3.062	62	97105	17.522 ug/L	98
5) bromomethane	3.633	94	104775	22.177 ug/L	100
6) chloroethane	3.724	64	87858	20.114 ug/L	98
7) trichlorofluoromethane	4.067	101	251568	21.569 ug/L	98
8) diethyl ether	4.501	59	101744	19.557 ug/L	98
9) 1,1,2-Trichlorotrifluoroet	4.718	101	136451	20.333 ug/L	97
11) acetone	4.832	43	33662m	17.888 ug/L	
12) 1,1-dichloroethene	5.026	96	124667	19.333 ug/L	99
13) tert-Butyl Alcohol (TBA)	5.174	59	55121	92.725 ug/L	98
15) methylene chloride	5.905	84	154622	21.016 ug/L	92
16) carbon disulfide	5.905	76	375616	17.747 ug/L	99
17) acrylonitrile	6.145	53	48287	18.442 ug/L	97
18) Methyl-t-butyl ether (MTBE	6.179	73	343458	20.236 ug/L	99
19) trans-1,2-dichloroethene	6.453	96	176122	19.860 ug/L	97
21) Isopropyl ether (DIPE)	7.081	45	479832	19.778 ug/L	99
22) vinyl acetate	7.321	43	297354m	22.078 ug/L	
23) 1,1-dichloroethane	7.298	63	306609	19.959 ug/L	99
24) Ethyl-t-butyl ether (ETBE)	7.926	59	440391	20.122 ug/L	98
25) 2,2-dichloropropane	8.451	77	207299	20.643 ug/L	99
26) cis-1,2-dichloroethene	8.554	96	191576	20.494 ug/L	96
27) 2-butanone (MEK)	8.188	43	59168	17.671 ug/L	97
28) bromochloromethane	9.239	128	94708	19.410 ug/L	93
29) Tetrahydrofuran (THF)	9.319	42	38808	17.541 ug/L	96
30) chloroform	8.885	83	325528	21.114 ug/L	99
32) 1,1,1-trichloroethane	9.741	97	256029	21.448 ug/L	99
33) carbon tetrachloride	10.301	117	230376	23.018 ug/L	98
34) 1,1-dichloropropene	10.095	75	225277	20.316 ug/L	99
36) tert-amyl methyl ether (TA	10.392	73	394863	21.178 ug/L #	89
37) benzene	10.700	78	688580	20.700 ug/L	98
38) 1,2-dichloroethane	10.689	62	242353	19.900 ug/L	98
39) trichloroethene	12.013	95	178158	20.235 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\FEB11\FEB1011\SA021019.D Vial: 19
Acq On : 10 Feb 2011 7:26 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 08:26:45 2011 Quant Results File: 4VID1214.RES

Quant Method : C:\MSDCHEM\1...\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

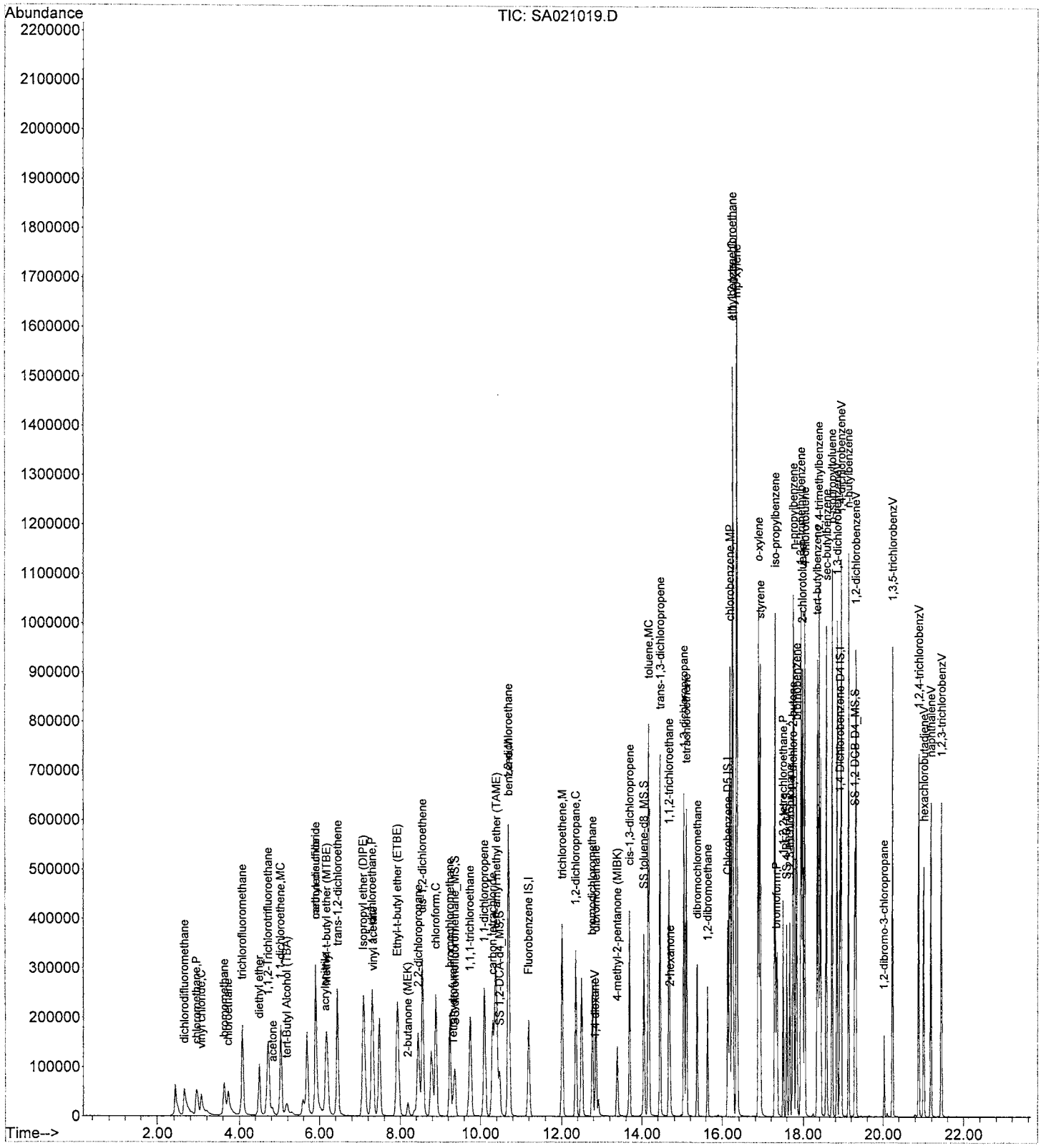
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	1,2-dichloropropane	12.356	63	169019	19.584	ug/L		96
41)	1,4-dioxaneV	12.835	88	2352	25.355	ug/L	#	72
42)	dibromomethane	12.858	93	120763	20.514	ug/L		98
43)	bromodichloromethane	12.767	83	222498	21.060	ug/L		98
45)	4-methyl-2-pentanone (MIBK	13.383	58	49073	17.946	ug/L		88
46)	cis-1,3-dichloropropene	13.691	75	256567	22.601	ug/L		99
49)	toluene	14.171	91	729068	22.068	ug/L		99
50)	trans-1,3-dichloropropene	14.456	75	234090	19.679	ug/L		98
51)	1,1,2-trichloroethane	14.673	83	134370	21.693	ug/L		98
52)	2-hexanone	14.696	43	85683	20.624	ug/L		94
53)	tetrachloroethene	15.096	166	197833	22.548	ug/L		99
54)	1,3-dichloropropane	15.027	76	256716	21.067	ug/L		99
55)	dibromochloromethane	15.381	129	179945	22.870	ug/L		99
56)	1,2-dibromoethane	15.644	107	163929	21.615	ug/L		99
57)	chlorobenzene	16.180	112	504304	22.104	ug/L		98
58)	1,1,1,2-tetrachloroethane	16.237	131	166658	25.008	ug/L		99
59)	ethylbenzene	16.237	91	777734	22.502	ug/L		99
60)	mp-xylene	16.340	106	614570	45.390	ug/L		98
61)	o-xylene	16.877	106	307246	23.073	ug/L		99
62)	styrene	16.922	104	527190	22.300	ug/L		99
63)	bromoform	17.333	173	109378	19.325	ug/L	#	98
64)	iso-propylbenzene	17.299	105	720276	24.415	ug/L		100
67)	bromobenzene	17.836	156	220285	21.755	ug/L		98
68)	1,1,2,2-tetrachloroethane	17.505	83	194305	20.317	ug/L		100
69)	1,2,3-trichloropropane	17.676	110	56116	20.376	ug/L		98
70)	t-1,4-dichloro-2-butene	17.744	53	56500	22.786	ug/L	#	89
71)	n-propylbenzene	17.756	91	851860	22.735	ug/L		99
72)	2-chlorotoluene	17.973	91	611299	22.508	ug/L		98
73)	4-chlorotoluene	18.030	91	547231	22.267	ug/L		100
74)	1,3,5-trimethylbenzene	17.938	105	588588	23.359	ug/L		99
75)	tert-butylbenzene	18.338	119	479988m	23.603	ug/L		
76)	1,2,4-trimethylbenzene	18.384	105	630325	23.484	ug/L		100
77)	sec-butylbenzene	18.578	105	702209	23.100	ug/L		100
78)	1,3-dichlorobenzeneV	18.840	146	380371	22.545	ug/L		99
79)	p-isopropyltoluene	18.715	119	590235	23.655	ug/L		100
80)	1,4-dichlorobenzeneV	18.943	146	388668	22.384	ug/L		99
81)	1,2-dichlorobenzeneV	19.308	146	368735	22.004	ug/L		99
82)	n-butylbenzene	19.126	91	535349	23.056	ug/L		100
84)	1,2-dibromo-3-chloropropan	20.028	75	28902	17.310	ug/L		97
85)	1,3,5-trichlorobenzV	20.245	180	261464	22.578	ug/L		100
86)	1,2,4-trichlorobenzV	20.884	180	236151	22.622	ug/L		99
87)	hexachlorobutadieneV	21.010	225	103313	19.559	ug/L		98
88)	naphthaleneV	21.181	128	508156	21.743	ug/L		99
89)	1,2,3-trichlorobenzV	21.443	180	203066	21.204	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\FEB11\FEB1011\SA021019.D Vial: 19
Acq On : 10 Feb 2011 7:26 pm Operator: KJP
Sample : LCS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 9:39 2011 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\FEB11\FEB1011\SA021020.D Vial: 20
Acq On : 10 Feb 2011 8:02 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 08:27:19 2011 Quant Results File: 4VID1214.RES

Quant Method : C:\MSDCHEM\1...\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.191	96	303891	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.134	117	243406	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	130921	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	85544	10.306 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.060%		
35) SS 1,2-DCA-d4_MS	10.472	65	92583	9.901 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.010%		
48) SS toluene-d8_MS	14.045	98	300881	10.143 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.430%		
65) SS 4-BFB_MS	17.596	95	114833	10.055 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 100.550%		
83) SS 1,2-DCB-D4_MS	19.285	152	119563	10.070 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.700%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
2) dichlorodifluoromethane	2.651	85	165108m	19.101 ug/L	
3) chloromethane	2.936	50	142729m	19.133 ug/L	
4) vinyl chloride	3.073	62	92885	16.953 ug/L	97
5) bromomethane	3.633	94	104700	22.415 ug/L	97
6) chloroethane	3.724	64	88277	20.442 ug/L	98
7) trichlorofluoromethane	4.067	101	249281	21.619 ug/L	99
8) diethyl ether	4.501	59	102872	20.001 ug/L	98
9) 1,1,2-Trichlorotrifluoroet	4.717	101	135477	20.419 ug/L	99
11) acetone	4.832	43	34100m	18.329 ug/L	
12) 1,1-dichloroethene	5.026	96	124035	19.456 ug/L	98
13) tert-Butyl Alcohol (TBA)	5.186	59	53223	90.561 ug/L	99
15) methylene chloride	5.905	84	151686	20.834 ug/L	97
16) carbon disulfide	5.905	76	369679	17.667 ug/L	100
17) acrylonitrile	6.145	53	48121	18.590 ug/L	95
18) Methyl-t-butyl ether (MTBE	6.179	73	345863	20.612 ug/L	98
19) trans-1,2-dichloroethene	6.453	96	173550	19.795 ug/L	96
21) Isopropyl ether (DIPE)	7.092	45	470519	19.617 ug/L	98
22) vinyl acetate	7.321	43	292420m	21.961 ug/L	
23) 1,1-dichloroethane	7.298	63	300946	19.816 ug/L	97
24) Ethyl-t-butyl ether (ETBE)	7.914	59	436205	20.160 ug/L	98
25) 2,2-dichloropropane	8.451	77	196644	19.807 ug/L	99
26) cis-1,2-dichloroethene	8.554	96	187826	20.324 ug/L	97
27) 2-butanone (MEK)	8.188	43	58639	17.714 ug/L	98
28) bromochloromethane	9.239	128	95149	19.724 ug/L	92
29) Tetrahydrofuran (THF)	9.318	42	37170	16.993 ug/L	92
30) chloroform	8.885	83	318924	20.923 ug/L	99
32) 1,1,1-trichloroethane	9.741	97	253344	21.467 ug/L	97
33) carbon tetrachloride	10.300	117	222029	22.439 ug/L	99
34) 1,1-dichloropropene	10.095	75	218871	19.965 ug/L	100
36) tert-amyl methyl ether (TA	10.392	73	394426	21.398 ug/L #	89
37) benzene	10.700	78	682185	20.743 ug/L	98
38) 1,2-dichloroethane	10.689	62	240112	19.943 ug/L	97
39) trichloroethene	12.013	95	174872	20.090 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\FEB11\FEB1011\SA021020.D Vial: 20
Acq On : 10 Feb 2011 8:02 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 08:27:19 2011 Quant Results File: 4VID1214.RES

Quant Method : C:\MSDCHEM\1...\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

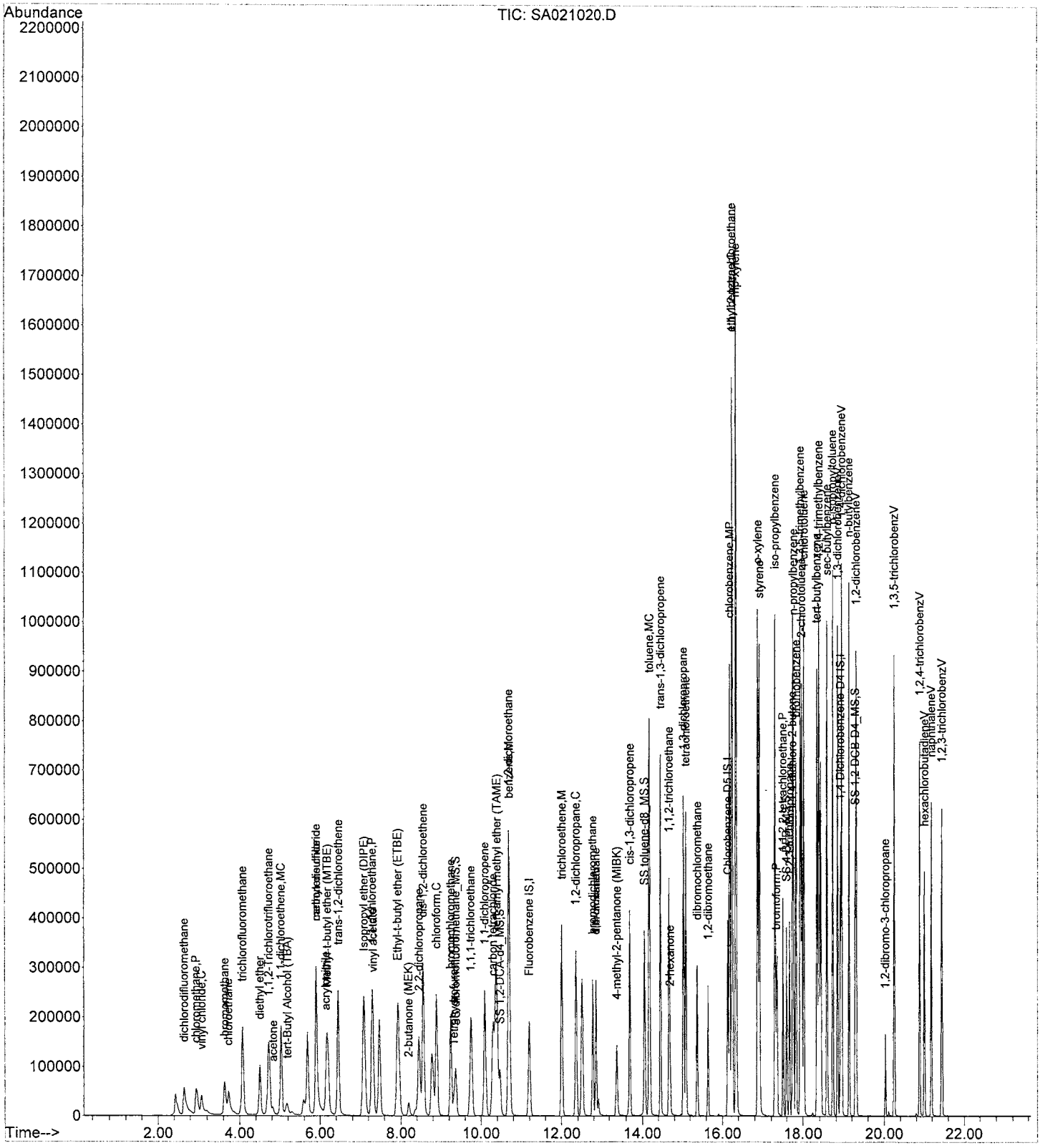
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	1,2-dichloropropane	12.355	63	170653	20.000	ug/L		98
41)	1,4-dioxaneV	12.858	88	1960	21.372	ug/L	#	64
42)	dibromomethane	12.858	93	117679	20.220	ug/L		99
43)	bromodichloromethane	12.766	83	225007	21.543	ug/L		98
45)	4-methyl-2-pentanone (MIBK	13.383	58	50938	18.843	ug/L		90
46)	cis-1,3-dichloropropene	13.691	75	255225	22.741	ug/L		99
49)	toluene	14.171	91	717340	21.572	ug/L		99
50)	trans-1,3-dichloropropene	14.456	75	232842	19.457	ug/L		98
51)	1,1,2-trichloroethane	14.673	83	129998	20.852	ug/L		99
52)	2-hexanone	14.696	43	83359	19.935	ug/L		95
53)	tetrachloroethene	15.095	166	193455	21.907	ug/L		99
54)	1,3-dichloropropane	15.027	76	253209	20.645	ug/L		99
55)	dibromochloromethane	15.381	129	179472	22.662	ug/L		99
56)	1,2-dibromoethane	15.643	107	158713	20.792	ug/L		97
57)	chlorobenzene	16.180	112	502065	21.864	ug/L		97
58)	1,1,1,2-tetrachloroethane	16.237	131	163801	24.420	ug/L		99
59)	ethylbenzene	16.237	91	761308	21.885	ug/L		99
60)	mp-xylene	16.340	106	604805	44.380	ug/L		98
61)	o-xylene	16.876	106	304510	22.719	ug/L		100
62)	styrene	16.922	104	535324	22.498	ug/L		98
63)	bromoform	17.333	173	110260	19.355	ug/L	#	98
64)	iso-propylbenzene	17.299	105	702181	23.648	ug/L		99
67)	bromobenzene	17.836	156	218794	21.378	ug/L		98
68)	1,1,2,2-tetrachloroethane	17.504	83	193869	20.056	ug/L		100
69)	1,2,3-trichloropropane	17.676	110	55115	19.801	ug/L		99
70)	t-1,4-dichloro-2-butene	17.744	53	56032	22.358	ug/L	#	89
71)	n-propylbenzene	17.767	91	843182	22.265	ug/L		100
72)	2-chlorotoluene	17.973	91	595298	21.686	ug/L		99
73)	4-chlorotoluene	18.030	91	535878	21.574	ug/L		100
74)	1,3,5-trimethylbenzene	17.938	105	584282	22.943	ug/L		100
75)	tert-butylbenzene	18.338	119	476887m	23.202	ug/L		
76)	1,2,4-trimethylbenzene	18.384	105	611544	22.543	ug/L		99
77)	sec-butylbenzene	18.578	105	702576	22.867	ug/L		100
78)	1,3-dichlorobenzeneV	18.840	146	375958	22.047	ug/L		98
79)	p-isopropyltoluene	18.715	119	587177	23.283	ug/L		100
80)	1,4-dichlorobenzeneV	18.943	146	387016	22.053	ug/L		99
81)	1,2-dichlorobenzeneV	19.308	146	368736	21.771	ug/L		99
82)	n-butylbenzene	19.126	91	512677	21.845	ug/L		100
84)	1,2-dibromo-3-chloropropan	20.028	75	30604	18.093	ug/L		98
85)	1,3,5-trichlorobenzV	20.244	180	253864	21.689	ug/L		99
86)	1,2,4-trichlorobenzV	20.884	180	235450	22.316	ug/L		100
87)	hexachlorobutadieneV	21.009	225	102315	19.164	ug/L		98
88)	naphthaleneV	21.181	128	503573	21.318	ug/L		100
89)	1,2,3-trichlorobenzV	21.443	180	198090	20.465	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : Y:\1\DATA\FEB11\FEB1011\SA021020.D Vial: 20
Acq On : 10 Feb 2011 8:02 pm Operator: KJP
Sample : LCSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 9:40 2011 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\FEB1011\SA021014.D Vial: 14
Acq On : 10 Feb 2011 4:25 pm Operator: KJP
Sample : 96745.01 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 08:24:12 2011 Quant Results File: 4VID1214.RES

Quant Method : C:\MSDCHEM\1...\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.19	96	281666	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.13	117	226856	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.91	152	114581	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.36	111	80730	10.49 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.93%		
35) SS 1,2-DCA-d4_MS	10.47	65	91257	10.53 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.29%		
48) SS toluene-d8_MS	14.05	98	276267	9.99 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.93%		
65) SS 4-BFB_MS	17.60	95	98832	9.29 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 92.85%		
83) SS 1,2-DCB-D4_MS	19.29	152	110065	10.59 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.92%		
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
11) acetone	4.83	43	3349	1.942 ug/L	93
15) methylene chloride	5.93	84	705	Below Cal	89
18) Methyl-t-butyl ether (MTBE	6.18	73	10084	0.648 ug/L #	93

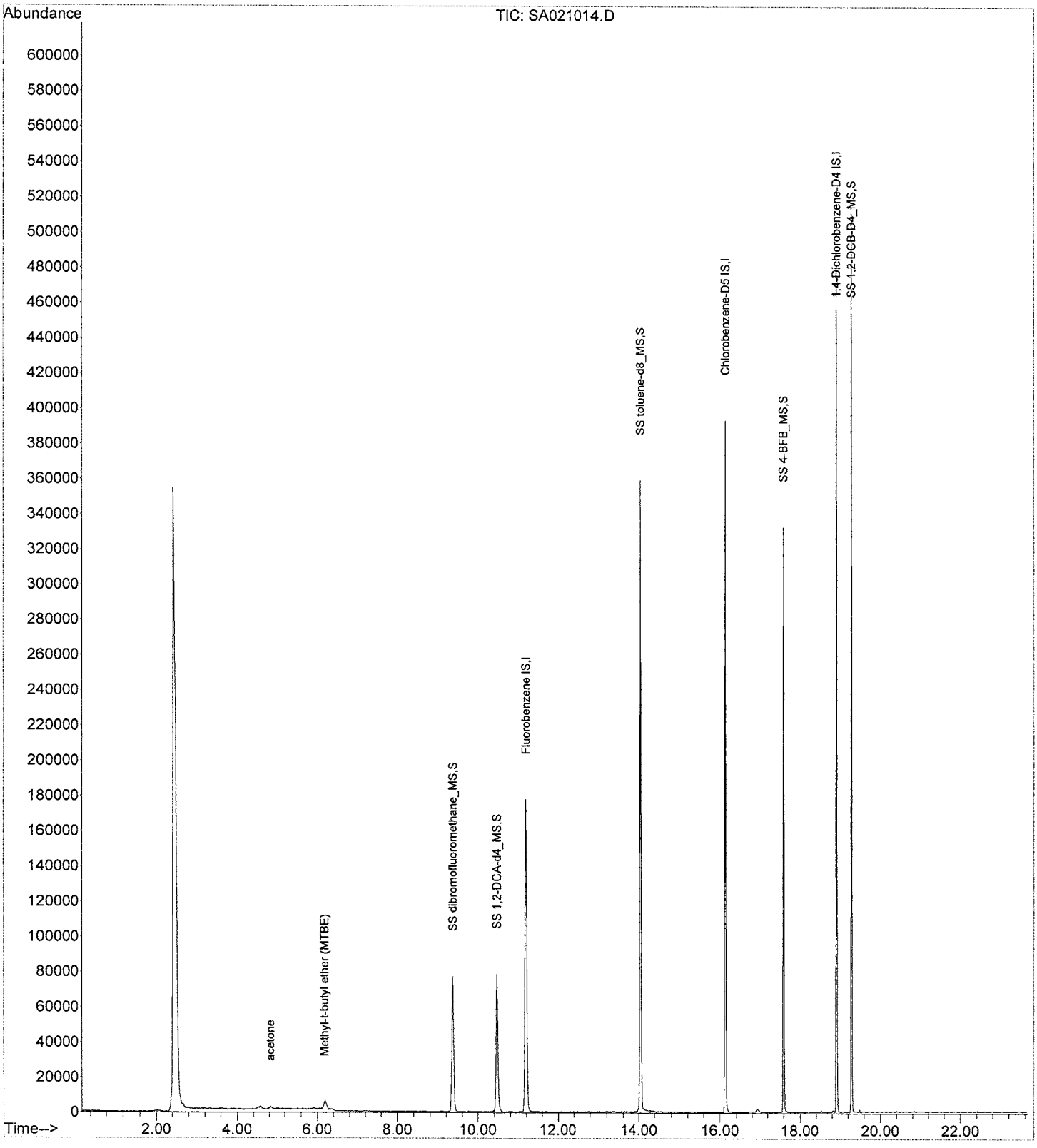
2/11/11
WSB

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\FEB1011\SA021014.D Vial: 14
Acq On : 10 Feb 2011 4:25 pm Operator: KJP
Sample : 96745.01 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 8:24 2011 Quant Results File: 4VID1214.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\FEB1011\SA021009.D Vial: 9
Acq On : 10 Feb 2011 1:22 pm Operator: KJP
Sample : 96745.04 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 15:14:33 2011 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.191	96	298100	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.134	117	239669	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	118708	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	82079	10.080 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.800%		
35) SS 1,2-DCA-d4_MS	10.472	65	93679	10.212 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.120%		
48) SS toluene-d8_MS	14.045	98	291260	9.972 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.720%		
65) SS 4-BFB_MS	17.596	95	104762	9.316 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 93.160%		
83) SS 1,2-DCB-D4_MS	19.285	152	116052	10.780 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.800%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.832	43	4825	2.644 ug/L	97
15) methylene chloride	5.905	84	673	Below Cal	85

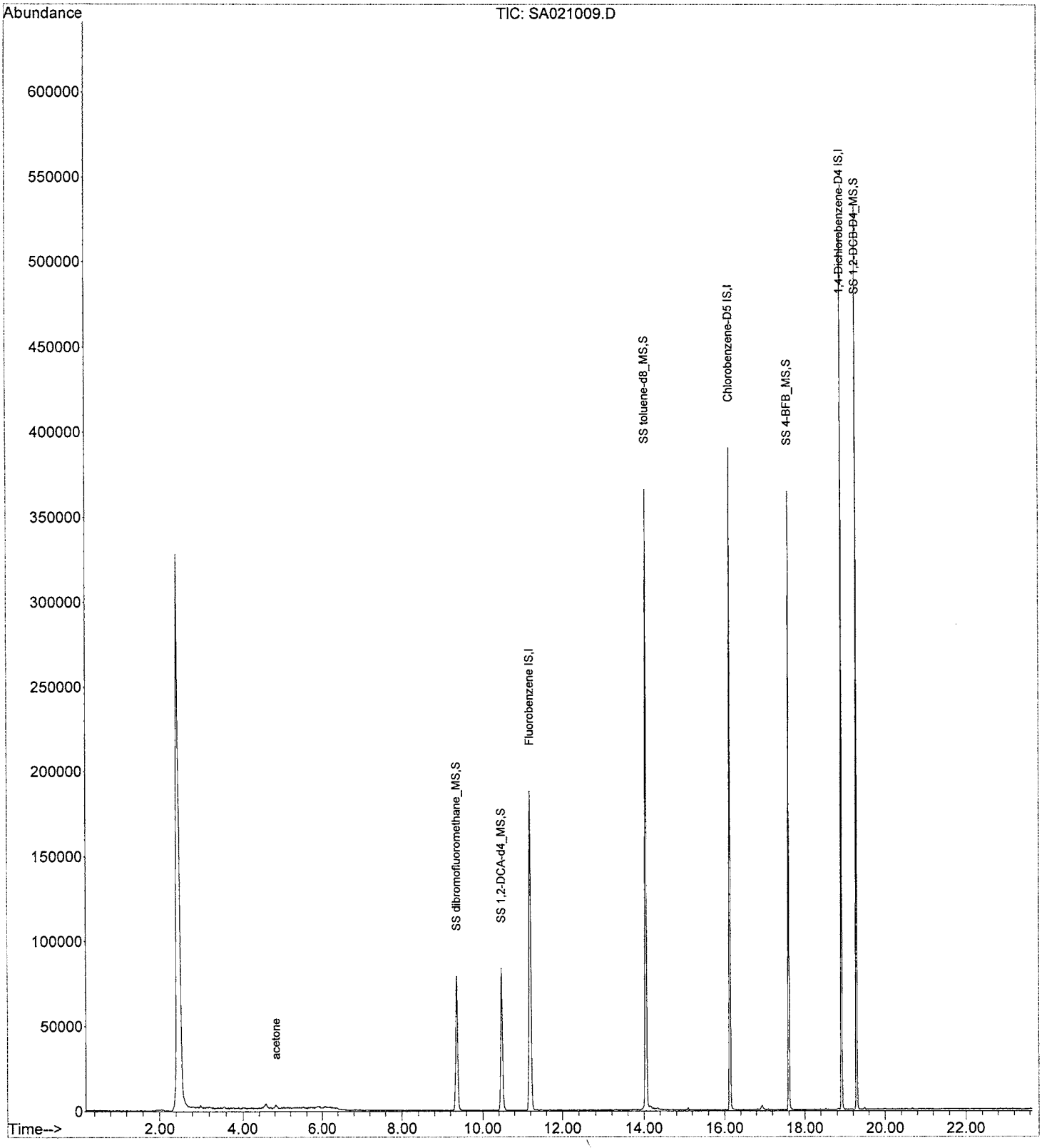
2/11/11
WSP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\FEB1011\SA021009.D Vial: 9
Acq On : 10 Feb 2011 1:22 pm Operator: KJP
Sample : 96745.04 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 15:14 2011 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\FEB1011\SA021017.D Vial: 17
Acq On : 10 Feb 2011 6:14 pm Operator: KJP
Sample : 96745.04 - MS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 08:24:37 2011 Quant Results File: 4VID1214.RES

Quant Method : C:\MSDCHEM\1...\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.19	96	291229	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.13	117	234366	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.91	152	129091	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.35	111	85152	10.70 ug/L	-0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 107.04%		
35) SS 1,2-DCA-d4_MS	10.47	65	92098	10.28 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.77%		
48) SS toluene-d8_MS	14.05	98	293336	10.27 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.70%		
65) SS 4-BFB_MS	17.60	95	113439	10.32 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 103.16%		
83) SS 1,2-DCB-D4_MS	19.29	152	116307	9.93 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.35%		
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				23.08	Qvalue
2) dichlorodifluoromethane	2.64	85	191229 ~~188795~~	~~22.791~~ ug/L	98
3) chloromethane	2.95	50	157464 ~~153385~~ 22.03	~~21.455~~ ug/L	100
4) vinyl chloride	3.06	62	105663	20.124 ug/L	98
5) bromomethane	3.62	94	96829	21.631 ug/L	99
6) chloroethane	3.72	64	94500	22.834 ug/L	99
7) trichlorofluoromethane	4.07	101	285853	25.868 ug/L	98
8) diethyl ether	4.50	59	103652	21.029 ug/L	98
9) 1,1,2-Trichlorotrifluoroet	4.72	101	150332	23.644 ug/L	99
11) acetone	4.82	43	38694 ~~40095~~ 21.70	~~22.488~~ ug/L	100
12) 1,1-dichloroethene	5.03	96	133196	21.801 ug/L	99
13) tert-Butyl Alcohol (TBA)	5.19	59	54672	97.071 ug/L	96
15) methylene chloride	5.89	84	146279	20.981 ug/L	95
16) carbon disulfide	5.91	76	400591	19.977 ug/L	99
17) acrylonitrile	6.14	53	48303	19.472 ug/L	95
18) Methyl-t-butyl ether (MTBE	6.18	73	342910	21.325 ug/L	98
19) trans-1,2-dichloroethene	6.44	96	183927	21.891 ug/L	97
21) Isopropyl ether (DIPE)	7.08	45	471369	20.507 ug/L	99
22) vinyl acetate	7.32	43	282583 ~~275491~~ 22.15	~~21.589~~ ug/L	97
23) 1,1-dichloroethane	7.30	63	317863	21.839 ug/L	97
24) Ethyl-t-butyl ether (ETBE)	7.93	59	435247	20.990 ug/L	98
25) 2,2-dichloropropane	8.45	77	217620	22.873 ug/L	98
26) cis-1,2-dichloroethene	8.55	96	197566	22.307 ug/L	97
27) 2-butanone (MEK)	8.19	43	61931	19.522 ug/L	98
28) bromochloromethane	9.24	128	96381	20.848 ug/L	93
29) Tetrahydrofuran (THF)	9.32	42	37317	17.802 ug/L	94
30) chloroform	8.88	83	332897	22.789 ug/L	99
32) 1,1,1-trichloroethane	9.75	97	269949	23.869 ug/L	98
33) carbon tetrachloride	10.30	117	242730	25.598 ug/L	100
34) 1,1-dichloropropene	10.10	75	238833	22.734 ug/L	99
36) tert-amyl methyl ether (TA	10.39	73	385927	21.847 ug/L #	91
37) benzene	10.70	78	717074	22.752 ug/L	98
38) 1,2-dichloroethane	10.69	62	247077	21.413 ug/L	98
39) trichloroethene	12.01	95	185023	22.180 ug/L	97

(#) = qualifier out of range (m) = manual integration
SA021017.D 4VID1214.M Fri Feb 11 08:24:39 2011

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\FEB1011\SA021017.D Vial: 17
Acq On : 10 Feb 2011 6:14 pm Operator: KJP
Sample : 96745.04 - MS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 08:24:37 2011 Quant Results File: 4VID1214.RES

Quant Method : C:\MSDCHEM\1...\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40)	1,2-dichloropropane	12.36	63	173141	21.174 ug/L	97
41)	1,4-dioxaneV	12.86	88	2184	24.850 ug/L #	58
42)	dibromomethane	12.86	93	120296	21.569 ug/L	99
43)	bromodichloromethane	12.77	83	230526	23.031 ug/L	98
45)	4-methyl-2-pentanone (MIBK	13.38	58	53697	20.727 ug/L	92
46)	cis-1,3-dichloropropene	13.69	75	260875	24.255 ug/L	99
49)	toluene	14.17	91	758587	23.693 ug/L	99
50)	trans-1,3-dichloropropene	14.46	75	240064	20.772 ug/L	98
51)	1,1,2-trichloroethane	14.67	83	136311	22.708 ug/L	98
52)	2-hexanone	14.70	43	91524	22.732 ug/L	97
53)	tetrachloroethene	15.10	166	209807	24.675 ug/L	99
54)	1,3-dichloropropane	15.03	76	262470	22.225 ug/L	99
55)	dibromochloromethane	15.38	129	183021	24.002 ug/L	99
56)	1,2-dibromoethane	15.64	107	162272	22.079 ug/L	99
57)	chlorobenzene	16.18	112	521461	23.584 ug/L	98
58)	1,1,1,2-tetrachloroethane	16.24	131	167698	25.965 ug/L	99
59)	ethylbenzene	16.24	91	806890	24.090 ug/L	100
60)	mp-xylene	16.34	106	638130	48.632 ug/L	98
61)	o-xylene	16.88	106	314812	24.394 ug/L	100
62)	styrene	16.92	104	545085	23.792 ug/L	100
63)	bromoform	17.33	173	110810	20.218 ug/L #	100
64)	iso-propylbenzene	17.30	105	752729	26.328 ug/L	100
67)	bromobenzene	17.84	156	226363	22.431 ug/L	98
68)	1,1,2,2-tetrachloroethane	17.50	83	200669	21.054 ug/L	100
69)	1,2,3-trichloropropane	17.68	110	56787	20.691 ug/L	99
70)	t-1,4-dichloro-2-butene	17.74	53	57888	23.426 ug/L #	89
71)	n-propylbenzene	17.76	91	884673	23.692 ug/L	99
72)	2-chlorotoluene	17.97	91	622825	23.011 ug/L	99
73)	4-chlorotoluene	18.03	91	552359	22.552 ug/L	100
74)	1,3,5-trimethylbenzene	17.94	105	611593	24.355 ug/L	100
75)	tert-butylbenzene	18.34	119	~~575198~~ 510493	25.19 ~~28.382~~ ug/L	93
76)	1,2,4-trimethylbenzene	18.38	105	643249	24.048 ug/L	100
77)	sec-butylbenzene	18.58	105	745629	24.613 ug/L	100
78)	1,3-dichlorobenzeneV	18.84	146	386406	22.981 ug/L	99
79)	p-isopropyltoluene	18.71	119	605029	24.331 ug/L	100
80)	1,4-dichlorobenzeneV	18.94	146	398500	23.029 ug/L	99
81)	1,2-dichlorobenzeneV	19.31	146	371096	22.221 ug/L	99
82)	n-butylbenzene	19.13	91	554099	23.945 ug/L	99
84)	1,2-dibromo-3-chloropropan	20.03	75	31223	18.689 ug/L	98
85)	1,3,5-trichlorobenzV	20.24	180	264610	22.928 ug/L	100
86)	1,2,4-trichlorobenzV	20.88	180	233114	22.408 ug/L	100
87)	hexachlorobutadieneV	21.01	225	101302	19.244 ug/L	99
88)	naphthaleneV	21.18	128	504073	21.642 ug/L	100
89)	1,2,3-trichlorobenzV	21.44	180	203565	21.329 ug/L	99

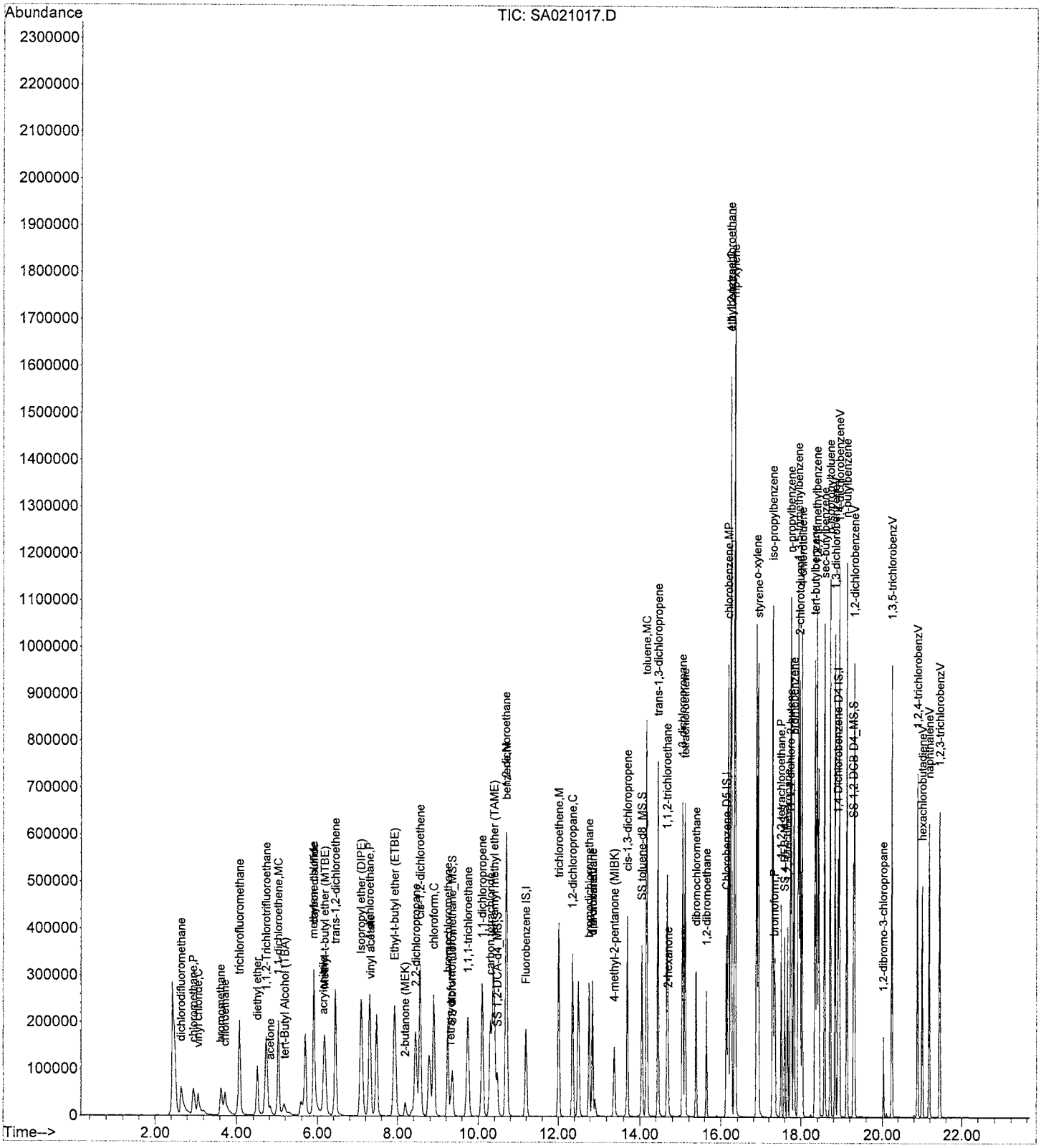
2/11/11
VKP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\FEB1011\SA021017.D Vial: 17
Acq On : 10 Feb 2011 6:14 pm Operator: KJP
Sample : 96745.04 - MS Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 8:24 2011 Quant Results File: 4VID1214.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\FEB1011\SA021018.D Vial: 18
Acq On : 10 Feb 2011 6:50 pm Operator: KJP
Sample : 96745.04 - MSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 08:24:46 2011 Quant Results File: 4VID1214.RES

Quant Method : C:\MSDCHEM\1...\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	11.19	96	292742	10.000	ug/L	-0.01
47) Chlorobenzene-D5 IS	16.13	117	234196	10.000	ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.91	152	126229	10.000	ug/L	0.00
System Monitoring Compounds						
31) SS dibromofluoromethane_MS	9.35	111	82541	10.32	ug/L	-0.01
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.22%			
35) SS 1,2-DCA-d4_MS	10.47	65	91139	10.12	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.17%			
48) SS toluene-d8_MS	14.05	98	295403	10.35	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.50%			
65) SS 4-BFB_MS	17.60	95	112540	10.24	ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 102.42%			
83) SS 1,2-DCB-D4_MS	19.29	152	116041	10.14	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.37%			
90) SS 2,5-DBT_MS	22.64	250	73	0.02	ug/L	0.00
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.05%#			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.64	85	~~191866~~ 192451	23.15	~~23.042~~ ug/L	98
3) chloromethane	2.95	50	~~154277~~ 151386	21.90	~~21.468~~ ug/L	99
4) vinyl chloride	3.06	62	109436	20.735	ug/L	100
5) bromomethane	3.63	94	107612	23.916	ug/L	99
6) chloroethane	3.72	64	95038	22.846	ug/L	98
7) trichlorofluoromethane	4.07	101	288209	25.947	ug/L	99
8) diethyl ether	4.50	59	105736	21.341	ug/L	99
9) 1,1,2-Trichlorotrifluoroet	4.72	101	152152	23.806	ug/L	99
11) acetone	4.83	43	~~41793~~ 41962	23.13	~~23.319~~ ug/L	97
12) 1,1-dichloroethene	5.03	96	135083	21.996	ug/L	99
13) tert-Butyl Alcohol (TBA)	5.17	59	56220	99.304	ug/L	98
15) methylene chloride	5.91	84	151938	21.765	ug/L	92
16) carbon disulfide	5.91	76	412660	20.472	ug/L	100
17) acrylonitrile	6.14	53	49263	19.756	ug/L	99
18) Methyl-t-butyl ether (MTBE	6.18	73	350668	21.694	ug/L	99
19) trans-1,2-dichloroethene	6.44	96	186121	22.038	ug/L	97
21) Isopropyl ether (DIPE)	7.08	45	484344	20.963	ug/L	99
22) vinyl acetate	7.32	43	~~279109~~ 284191	22.16	~~21.760~~ ug/L	97
23) 1,1-dichloroethane	7.30	63	319916	21.867	ug/L	98
24) Ethyl-t-butyl ether (ETBE)	7.93	59	450129	21.596	ug/L	97
25) 2,2-dichloropropane	8.45	77	222608	23.276	ug/L	100
26) cis-1,2-dichloroethene	8.55	96	202792	22.779	ug/L	97
27) 2-butanone (MEK)	8.19	43	64778	20.314	ug/L	98
28) bromochloromethane	9.24	128	97757	21.036	ug/L	94
29) Tetrahydrofuran (THF)	9.33	42	38404	18.226	ug/L	96
30) chloroform	8.88	83	340222	23.170	ug/L	98
32) 1,1,1-trichloroethane	9.74	97	275492	24.233	ug/L	99
33) carbon tetrachloride	10.30	117	252120	26.451	ug/L	99
34) 1,1-dichloropropene	10.10	75	243670	23.074	ug/L	99
36) tert-amyl methyl ether (TA	10.39	73	402164	22.649	ug/L #	91
37) benzene	10.70	78	730950	23.073	ug/L	98
38) 1,2-dichloroethane	10.69	62	248379	21.415	ug/L	98
39) trichloroethene	12.01	95	188245	22.450	ug/L	96

(#) = qualifier out of range (m) = manual integration
SA021018.D 4VID1214.M Fri Feb 11 08:24:49 2011

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\FEB1011\SA021018.D Vial: 18
Acq On : 10 Feb 2011 6:50 pm Operator: KJP
Sample : 96745.04 - MSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 08:24:46 2011 Quant Results File: 4VID1214.RES

Quant Method : C:\MSDCHEM\1...\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40)	1,2-dichloropropane	12.36	63	176498	21.473 ug/L	96
41)	1,4-dioxaneV	12.84	88	2182	24.699 ug/L #	76
42)	dibromomethane	12.86	93	121540	21.679 ug/L	99
43)	bromodichloromethane	12.77	83	234168	23.274 ug/L	99
45)	4-methyl-2-pentanone (MIBK	13.38	58	53118	20.397 ug/L	89
46)	cis-1,3-dichloropropene	13.69	75	263798	24.400 ug/L	99
49)	toluene	14.17	91	766982	23.972 ug/L	100
50)	trans-1,3-dichloropropene	14.46	75	244648	21.167 ug/L	98
51)	1,1,2-trichloroethane	14.67	83	137389	22.904 ug/L	99
52)	2-hexanone	14.70	43	92059	22.881 ug/L	98
53)	tetrachloroethene	15.10	166	214989	25.303 ug/L	99
54)	1,3-dichloropropane	15.03	76	265359	22.486 ug/L	99
55)	dibromochloromethane	15.38	129	187554	24.614 ug/L	98
56)	1,2-dibromoethane	15.64	107	164034	22.335 ug/L	99
57)	chlorobenzene	16.18	112	529011	23.943 ug/L	98
58)	1,1,1,2-tetrachloroethane	16.24	131	173712	26.916 ug/L	99
59)	ethylbenzene	16.24	91	824892	24.645 ug/L	100
60)	mp-xylene	16.34	106	632915	48.269 ug/L	97
61)	o-xylene	16.88	106	321414	24.923 ug/L	99
62)	styrene	16.92	104	554145	24.205 ug/L	99
63)	bromoform	17.33	173	113687	20.768 ug/L #	97
64)	iso-propylbenzene	17.30	105	764349	26.754 ug/L	100
67)	bromobenzene	17.84	156	226644	22.968 ug/L	97
68)	1,1,2,2-tetrachloroethane	17.50	83	199814	21.440 ug/L	99
69)	1,2,3-trichloropropane	17.68	110	58185	21.681 ug/L	99
70)	t-1,4-dichloro-2-butene	17.74	53	59470	24.612 ug/L	91
71)	n-propylbenzene	17.76	91	900777	24.670 ug/L	99
72)	2-chlorotoluene	17.97	91	644909	24.367 ug/L	99
73)	4-chlorotoluene	18.03	91	567531	23.697 ug/L	100
74)	1,3,5-trimethylbenzene	17.94	105	628197	25.584 ug/L	99
75)	tert-butylbenzene	18.34	119	~~577278~~ 5/10220 25.75 ~~29.130~~	ug/L	93
76)	1,2,4-trimethylbenzene	18.38	105	653843	24.998 ug/L	100
77)	sec-butylbenzene	18.58	105	750308	25.329 ug/L	99
78)	1,3-dichlorobenzeneV	18.84	146	400348	24.350 ug/L	98
79)	p-isopropyltoluene	18.71	119	627559	25.809 ug/L	100
80)	1,4-dichlorobenzeneV	18.94	146	400029	23.642 ug/L	99
81)	1,2-dichlorobenzeneV	19.31	146	382841	23.444 ug/L	99
82)	n-butylbenzene	19.13	91	570557	25.215 ug/L	99
84)	1,2-dibromo-3-chloropropan	20.03	75	30269	18.537 ug/L	97
85)	1,3,5-trichlorobenzV	20.24	180	264986	23.481 ug/L	99
86)	1,2,4-trichlorobenzV	20.88	180	243622	23.949 ug/L	99
87)	hexachlorobutadieneV	21.01	225	106652	20.719 ug/L	98
88)	naphthaleneV	21.18	128	526592	23.122 ug/L	100
89)	1,2,3-trichlorobenzV	21.44	180	209744	22.474 ug/L	100

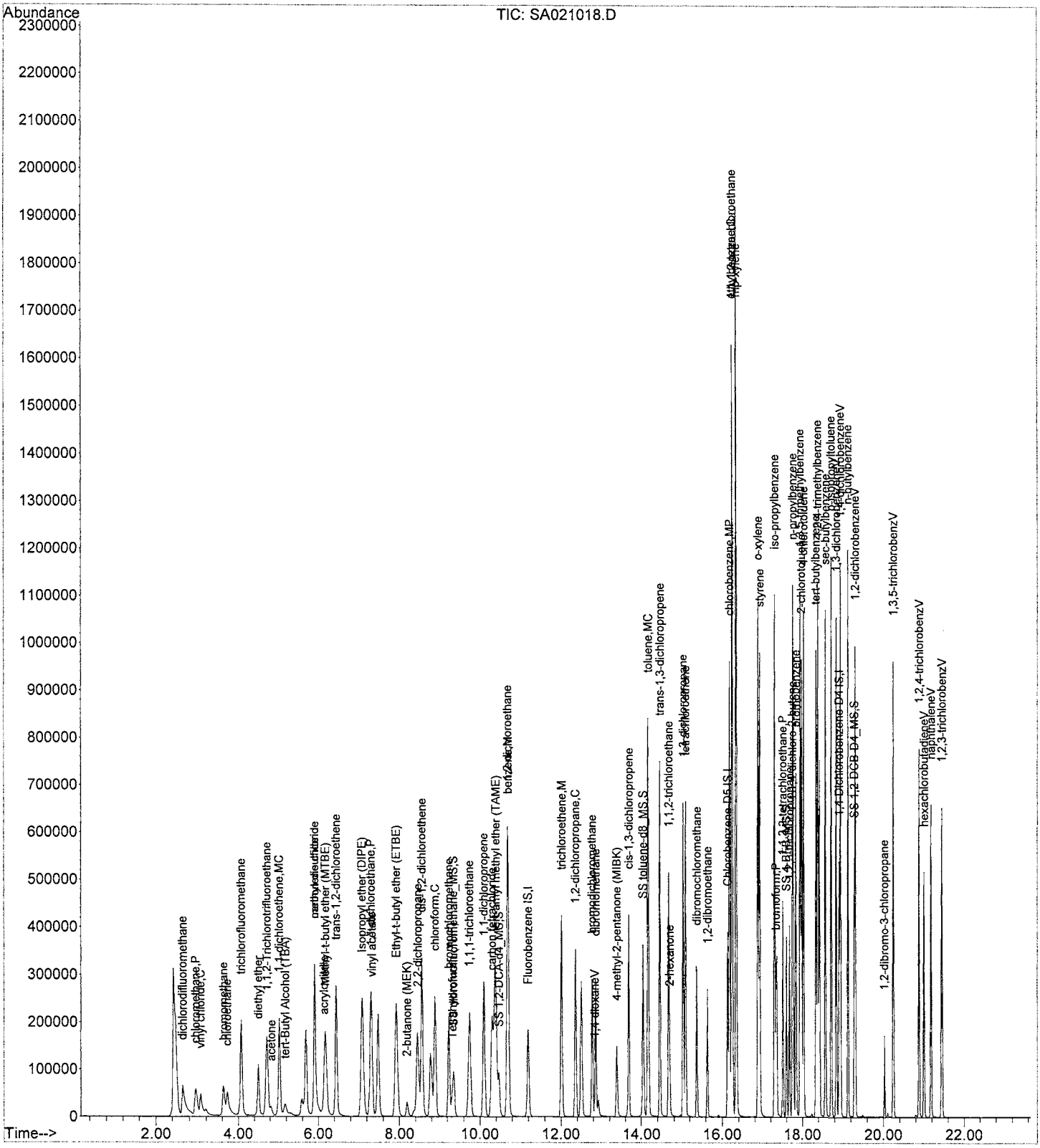
2/11/11
WAP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\FEB1011\SA021018.D Vial: 18
Acq On : 10 Feb 2011 6:50 pm Operator: KJP
Sample : 96745.04 - MSD Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 11 8:24 2011 Quant Results File: 4VID1214.RES

Method : C:\MSDCHEM\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\FEB1011\SA021010.D Vial: 10
Acq On : 10 Feb 2011 1:58 pm Operator: KJP
Sample : 96745.05 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 15:14:42 2011 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.202	96	293238	10.000 ug/L	0.00
47) Chlorobenzene-D5 IS	16.135	117	233745	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	118815	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	82114	10.252 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.520%		
35) SS 1,2-DCA-d4_MS	10.472	65	93142	10.322 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.220%		
48) SS toluene-d8_MS	14.045	98	284751	9.996 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.960%		
65) SS 4-BFB_MS	17.596	95	105236	9.596 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.960%		
83) SS 1,2-DCB-D4_MS	19.286	152	113413	10.526 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.260%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.820	43	3228	1.798 ug/L #	82
15) methylene chloride	5.905	84	664	Below Cal #	74

2/11/11
VOP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

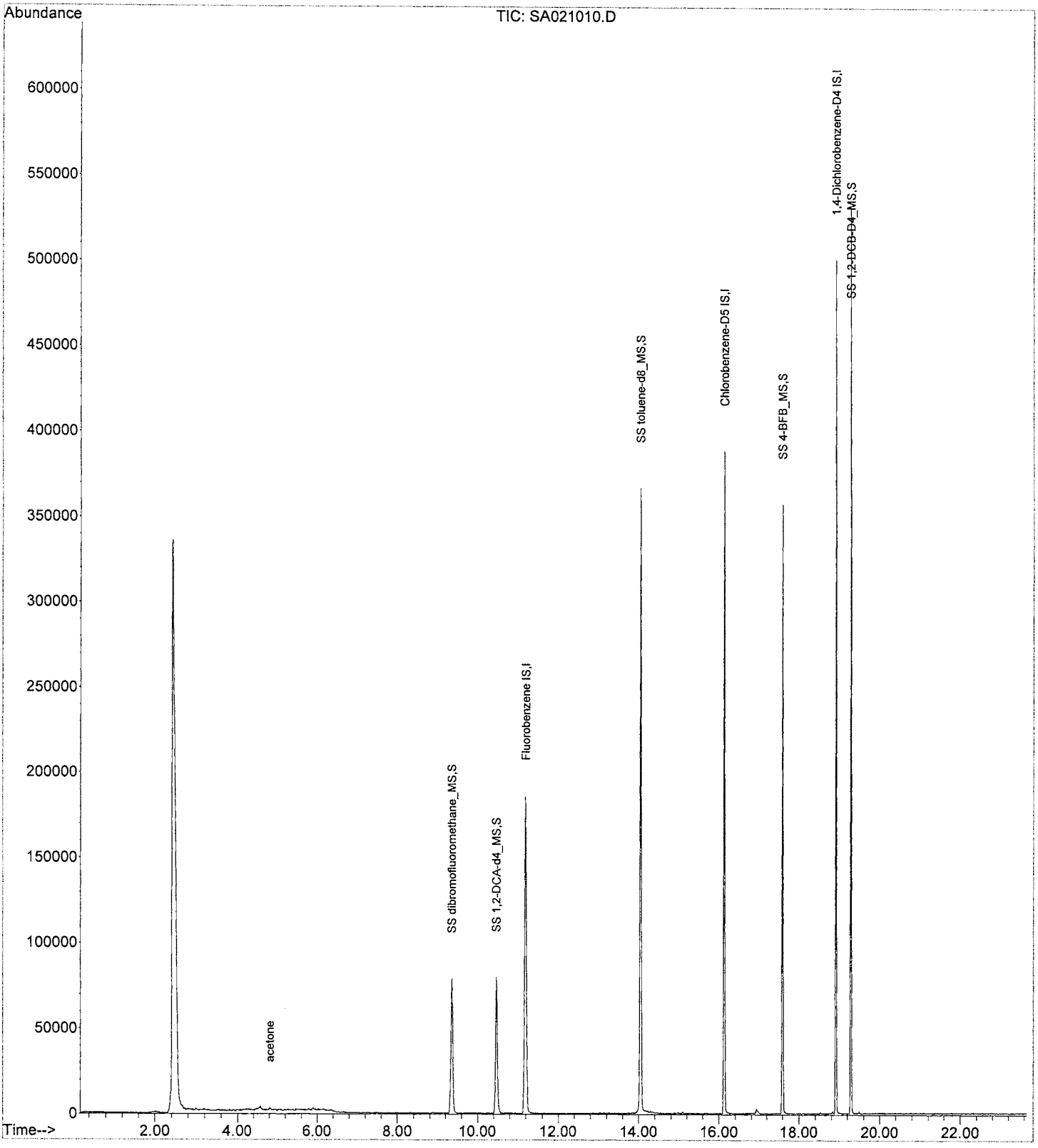
Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\FEB1011\SA021010.D
Acq On : 10 Feb 2011 1:58 pm
Sample : 96745.05
Misc : X1;5mL
MS Integration Params: RTEINT.P
Quant Time: Feb 10 15:14 2011

Vial: 10
Operator: KJP
Inst : VOAMS4
Multiplr: 1.00

Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\FEB1011\SA021011.D Vial: 11
Acq On : 10 Feb 2011 2:35 pm Operator: KJP
Sample : 96745.06 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 15:14:53 2011 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.191	96	294019	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.134	117	231800	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	120298	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	81836	10.190 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.900%		
35) SS 1,2-DCA-d4_MS	10.472	65	92296	10.201 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.010%		
48) SS toluene-d8_MS	14.045	98	290132	10.270 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.700%		
65) SS 4-BFB_MS	17.596	95	103448	9.512 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 95.120%		
83) SS 1,2-DCB-D4_MS	19.286	152	112765	10.336 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.360%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.832	43	2737	1.521 ug/L	91
15) methylene chloride	5.894	84	24749	1.394 ug/L	96

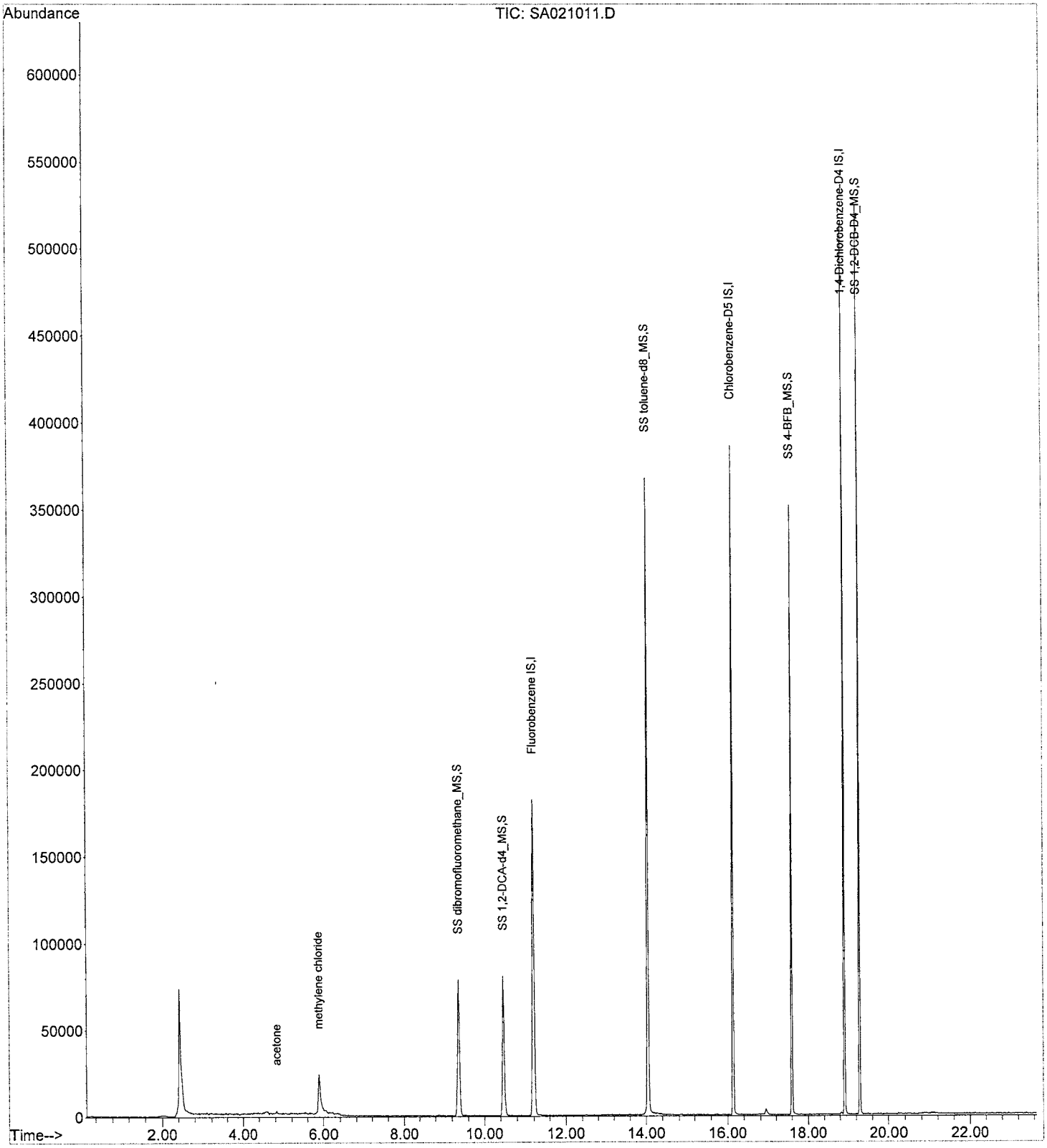
2/11/11
VSP

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA021011.D 4VID1214.M Thu Feb 10 15:14:55 2011

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\FEB1011\SA021011.D Vial: 11
Acq On : 10 Feb 2011 2:35 pm Operator: KJP
Sample : 96745.06 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 15:14 2011 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\FEB1011\SA021012.D Vial: 12
Acq On : 10 Feb 2011 3:11 pm Operator: KJP
Sample : 96745.07 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 16:42:25 2011 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.191	96	286113	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.134	117	228861	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	116238	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	81035	10.369 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.690%		
35) SS 1,2-DCA-d4_MS	10.472	65	91112	10.349 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.490%		
48) SS toluene-d8_MS	14.045	98	279177	10.009 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.090%		
65) SS 4-BFB_MS	17.596	95	101009	9.407 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 94.070%		
83) SS 1,2-DCB-D4_MS	19.286	152	109874	10.423 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.230%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.820	43	2024	1.155 ug/L #	58
15) methylene chloride	5.905	84	23219	1.252 ug/L	92

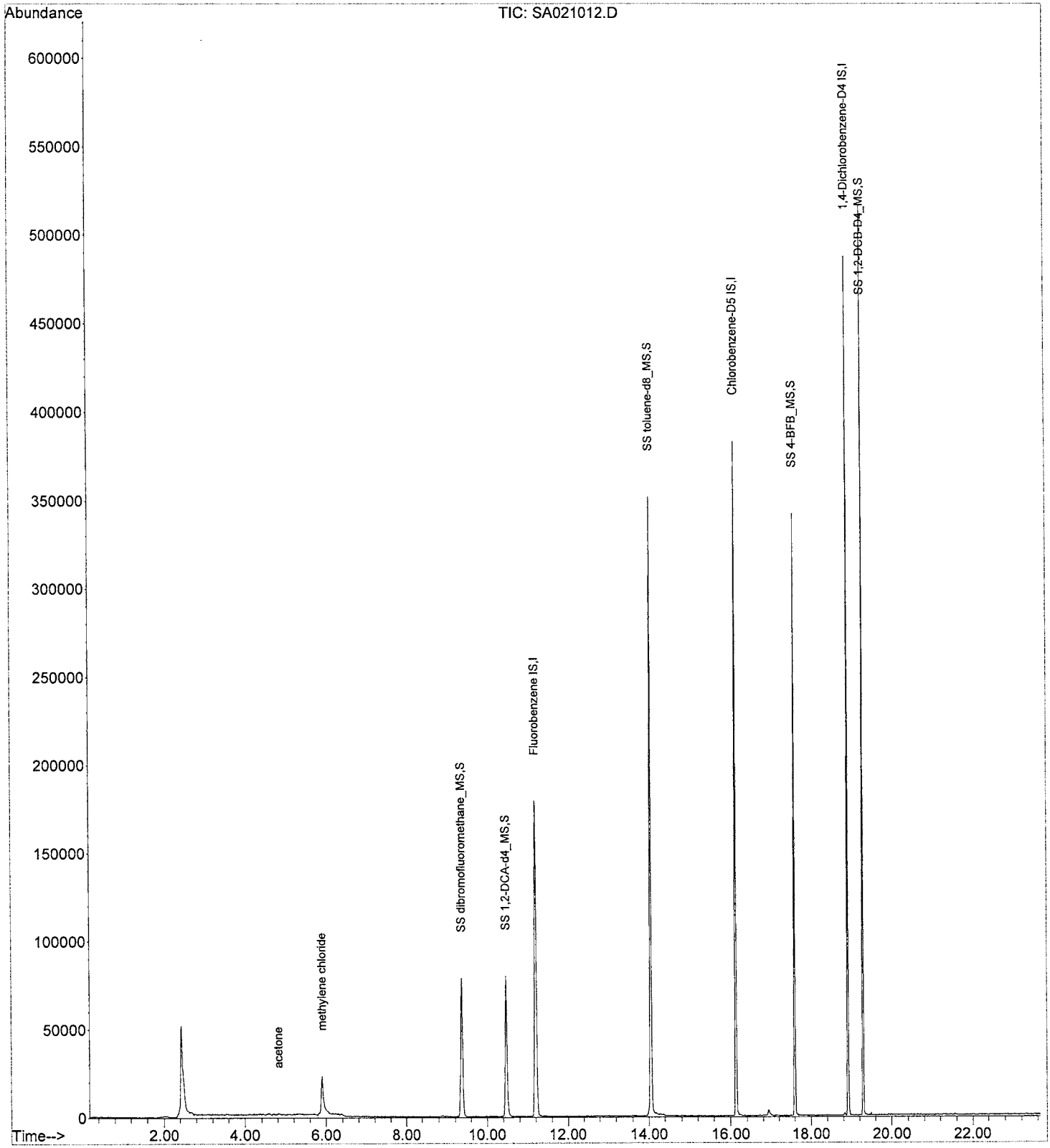
2/11/11
WSP

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\FEB1011\SA021012.D Vial: 12
Acq On : 10 Feb 2011 3:11 pm Operator: KJP
Sample : 96745.07 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 16:42 2011 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\FEB1011\SA021013.D Vial: 13
Acq On : 10 Feb 2011 3:48 pm Operator: KJP
Sample : 96745.08 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 16:42:46 2011 Quant Results File: 4VID1214.RES

Quant Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration
DataAcq Meth : VOCMS

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	11.191	96	286735	10.000 ug/L	-0.01
47) Chlorobenzene-D5 IS	16.135	117	233122	10.000 ug/L	0.00
66) 1,4-Dichlorobenzene-D4 IS	18.909	152	119394	10.000 ug/L	0.00
System Monitoring Compounds					
31) SS dibromofluoromethane_MS	9.364	111	80753	10.310 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.100%		
35) SS 1,2-DCA-d4_MS	10.472	65	90796	10.290 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.900%		
48) SS toluene-d8_MS	14.045	98	281769	9.918 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.180%		
65) SS 4-BFB_MS	17.596	95	101553	9.285 ug/L	0.00
Spiked Amount 10.000	Range 86 - 115		Recovery = 92.850%		
83) SS 1,2-DCB-D4_MS	19.286	152	114034	10.532 ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.320%		
90) SS 2,5-DBT_MS	0.000	250	0	0.000 ug/L	
Spiked Amount 40.000	Range 70 - 130		Recovery = 0.000%#		
Target Compounds					Qvalue
11) acetone	4.832	43	817	0.465 ug/L #	43
15) methylene chloride	5.894	84	958	Below Cal	84

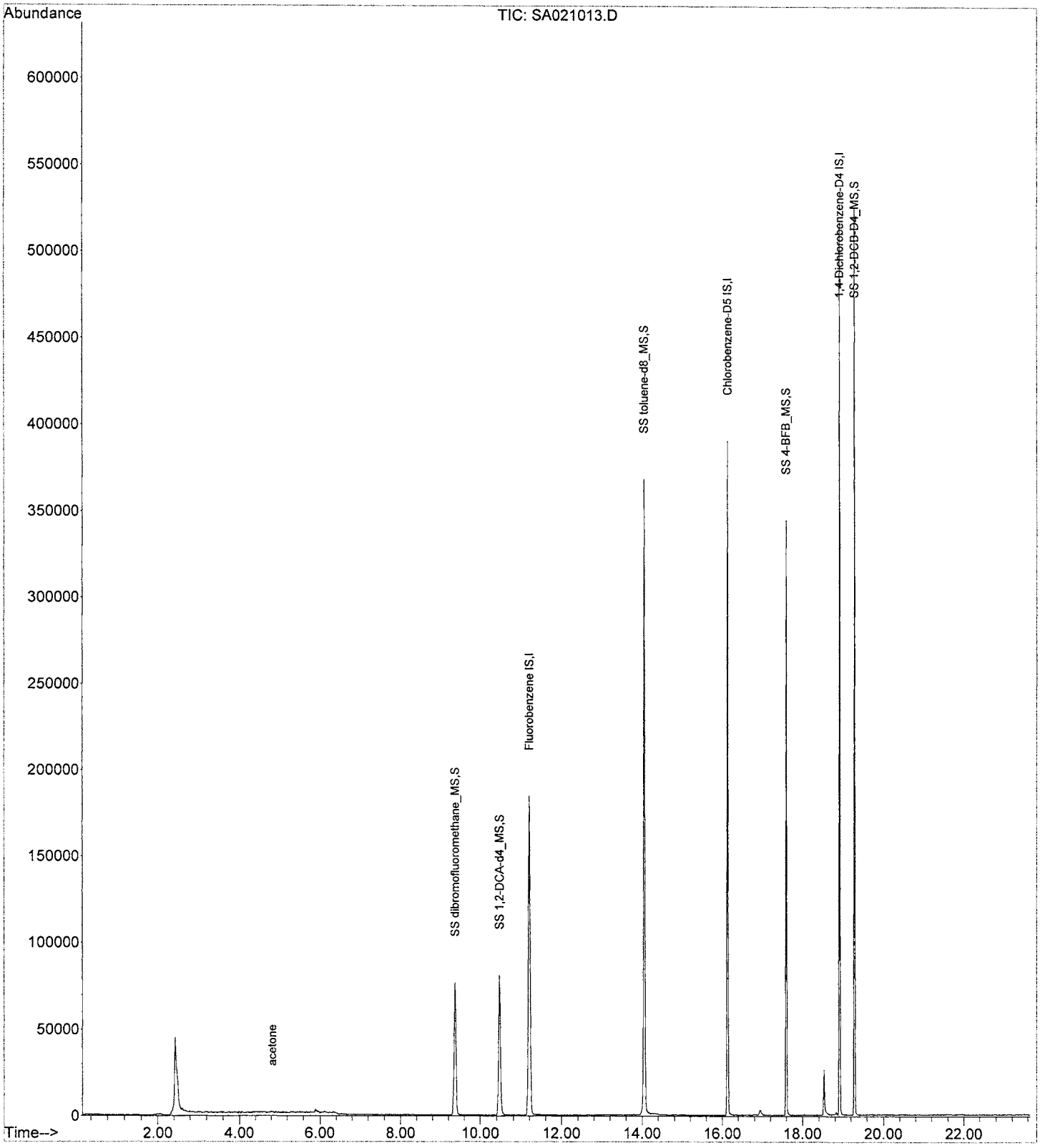
2/11/11
WDS

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : Y:\1\DATA\FEB1011\SA021013.D Vial: 13
Acq On : 10 Feb 2011 3:48 pm Operator: KJP
Sample : 96745.08 Inst : VOAMS4
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 10 16:42 2011 Quant Results File: 4VID1214.RES

Method : Y:\1\METHODS\2010\4VID1214.M (RTE Integrator)
Title : 8260/624 plus 1,4 Dioxane
Last Update : Wed Dec 15 17:21:28 2010
Response via : Initial Calibration



Volatile Organic SIM Analysis
Initial Calibration
96745

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

IS/SS ID= V- 3723
Standard ID= V- 3727
Analyst: VG
LCS/LCSD and/or MS/MSD Standard ID= V- 3728
Date: 1/7/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA010701	BFB		✓		X1	VOC MS1			
2	2	Blank		✓		↓	VOC SIM			
3	3	STD0.25		✓		↓	VOC		New ICAL	
4	4	0.5		✓		↓	VOC ↓			
5	5	1		✓		↓	VOC ↓		25IM0107	
6	6	2		✓		↓	VOC ↓			
7	7	5		✓		↓	VOC ↓			
8	8	10		✓		↓	VOC ↓			
9	9	20		✓		↓	VOC ↓			
10	10	50		✓		↓	VOC ↓			
11	11	Blank		✓		↓	VOC ↓			
12	12	LCS		✓		↓	VOC ↓			
							VOC			
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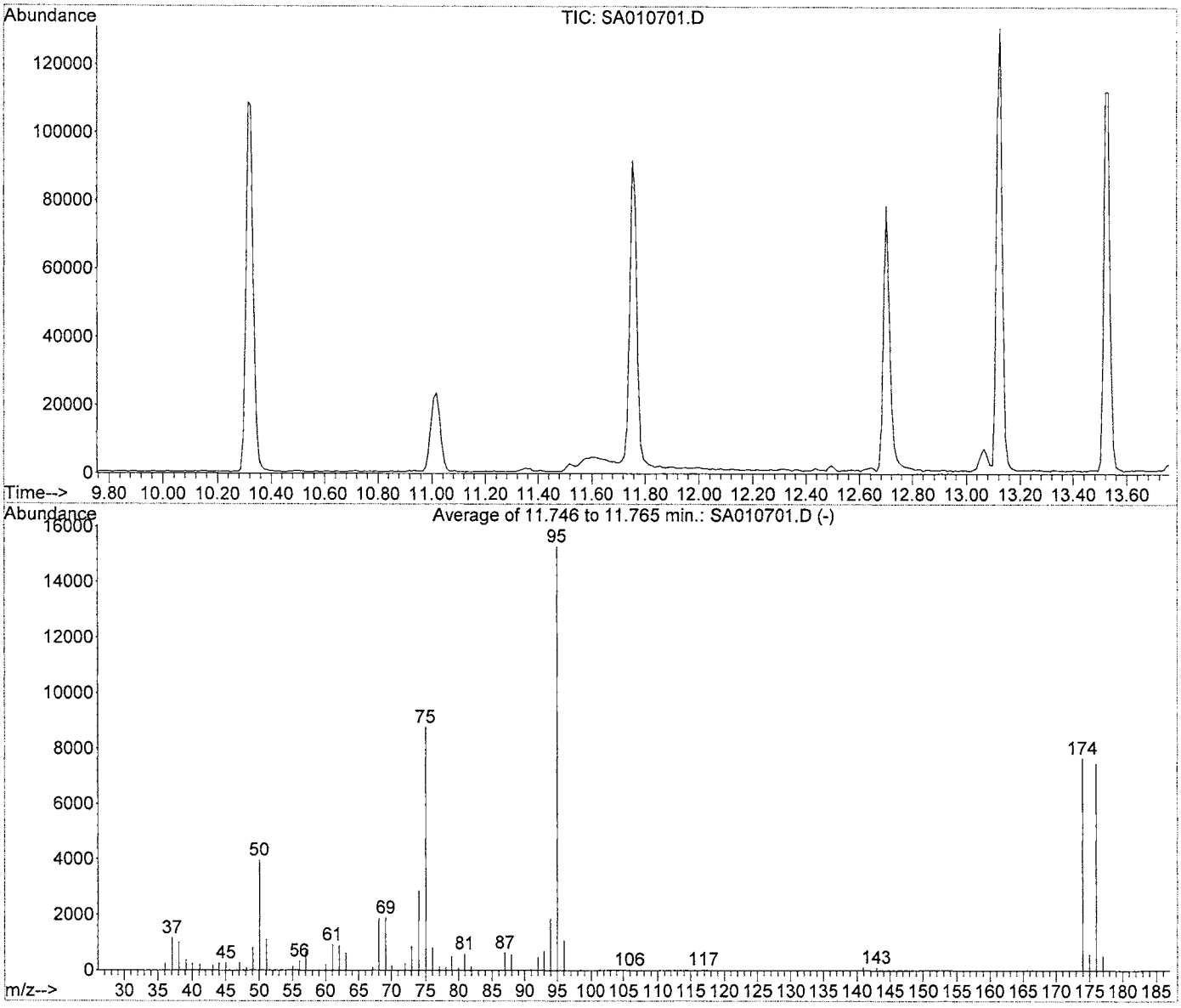
Samples removed from autosampler, order verified by________________________________

Data File : V:\1\DATA\JAN0711\SA010701.D
Acq On : 7 Jan 2011 12:10 pm
Sample : BFB
Misc : X1;5mL
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09

Vial: 1
Operator:
Inst : VOAMS2
Multiplr: 1.00



Spectrum Information: Average of 11.746 to 11.765 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.0	3978	PASS
75	95	30	60	57.5	8790	PASS
95	95	100	100	100.0	15298	PASS
96	95	5	9	7.1	1082	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	50.2	7679	PASS
175	174	5	9	7.7	595	PASS
176	174	95	101	97.5	7487	PASS
177	176	5	9	7.1	529	PASS

Response Factor Report VOAMS2

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration

Calibration Files
1 =SA010705.D 20 =SA010709.D 10 =SA010708.D
50 =SA010710.D .25 =SA010703.D 5 =SA010707.D

		Compound	1	20	10	50	.25	5	Avg	%RSD
1)	I	Fluorobenzene IS	ISTD							
2)		1,4-dioxaneV	0.047	0.048	0.044	0.050	0.054	0.053	0.049#	6.88
3)	S	SS Toluene-d8_M	0.947	0.977	0.956	0.978	0.948	0.955	0.958	1.31
4)	S	SS 4-BFB_MS	0.364	0.362	0.359	0.360	0.364	0.362	0.362	0.60

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

Compound List Report VOAMS2

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 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	6.89	1.000	A	1	A	B
2		1,4-dioxaneV	88	7.73	1.121	A	2	A	B
3	S	SS Toluene-d8_MS	98	8.59	1.247	A	1	A	B
4	S	SS 4-BFB_MS	95	11.77	1.707	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

2SIM0107.M Tue Feb 22 12:44:55 2011

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010703.D Vial: 3
Acq On : 7 Jan 2011 1:54 pm Operator:
Sample : STD0.25 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 07 14:33:41 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Jan 07 14:32:58 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

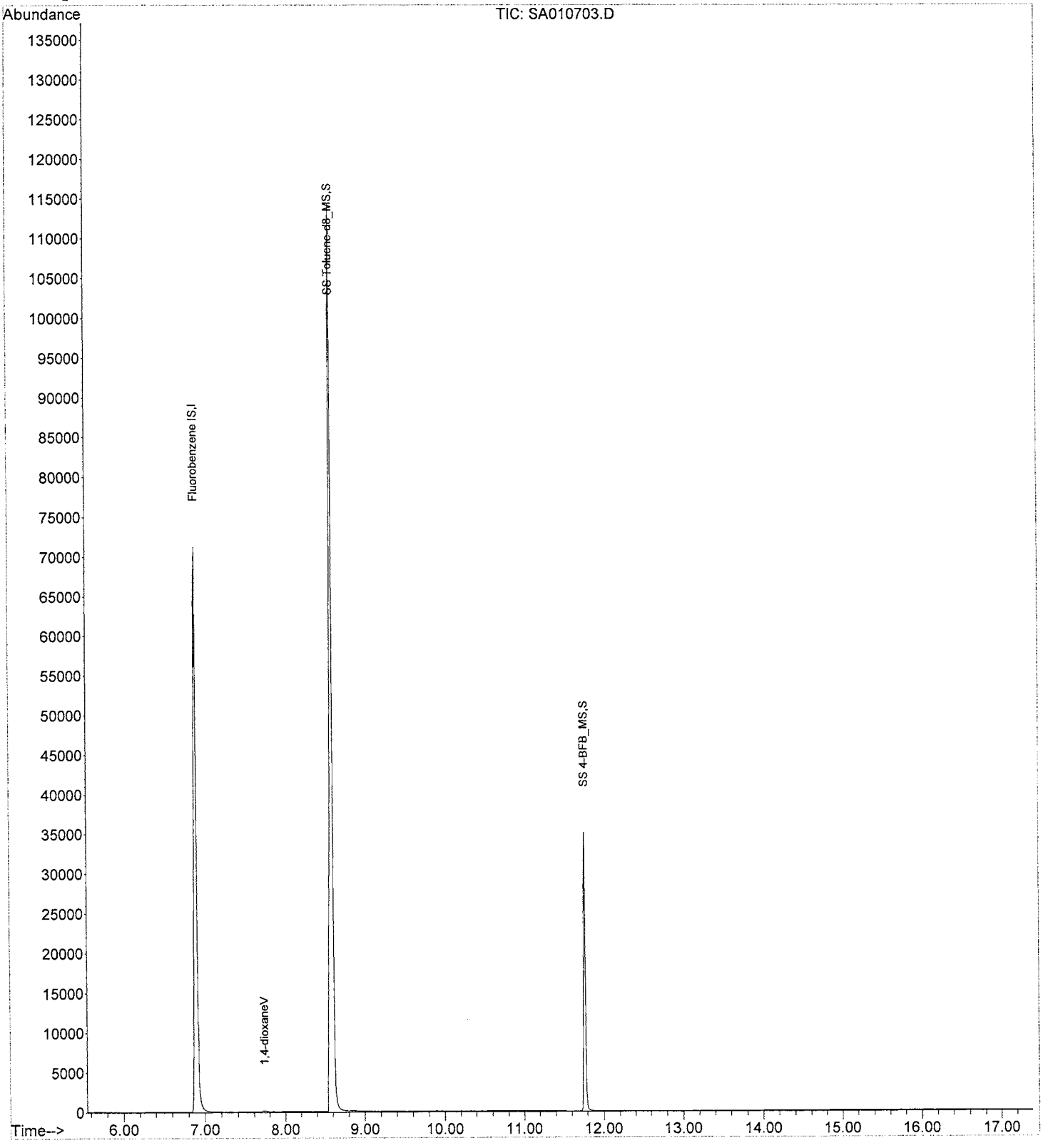
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.89	96	160428	10.000	ug/L	-0.05
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.59	98	152090	9.37	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.69%			
4) SS 4-BFB_MS	11.76	95	58462	11.17	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.75%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.73	88	215	0.303	ug/L	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010703.D Vial: 3
Acq On : 7 Jan 2011 1:54 pm Operator:
Sample : STD0.25 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 7 14:33 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010704.D Vial: 4
Acq On : 7 Jan 2011 2:43 pm Operator:
Sample : STD0.5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:10:12 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Jan 07 14:32:58 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

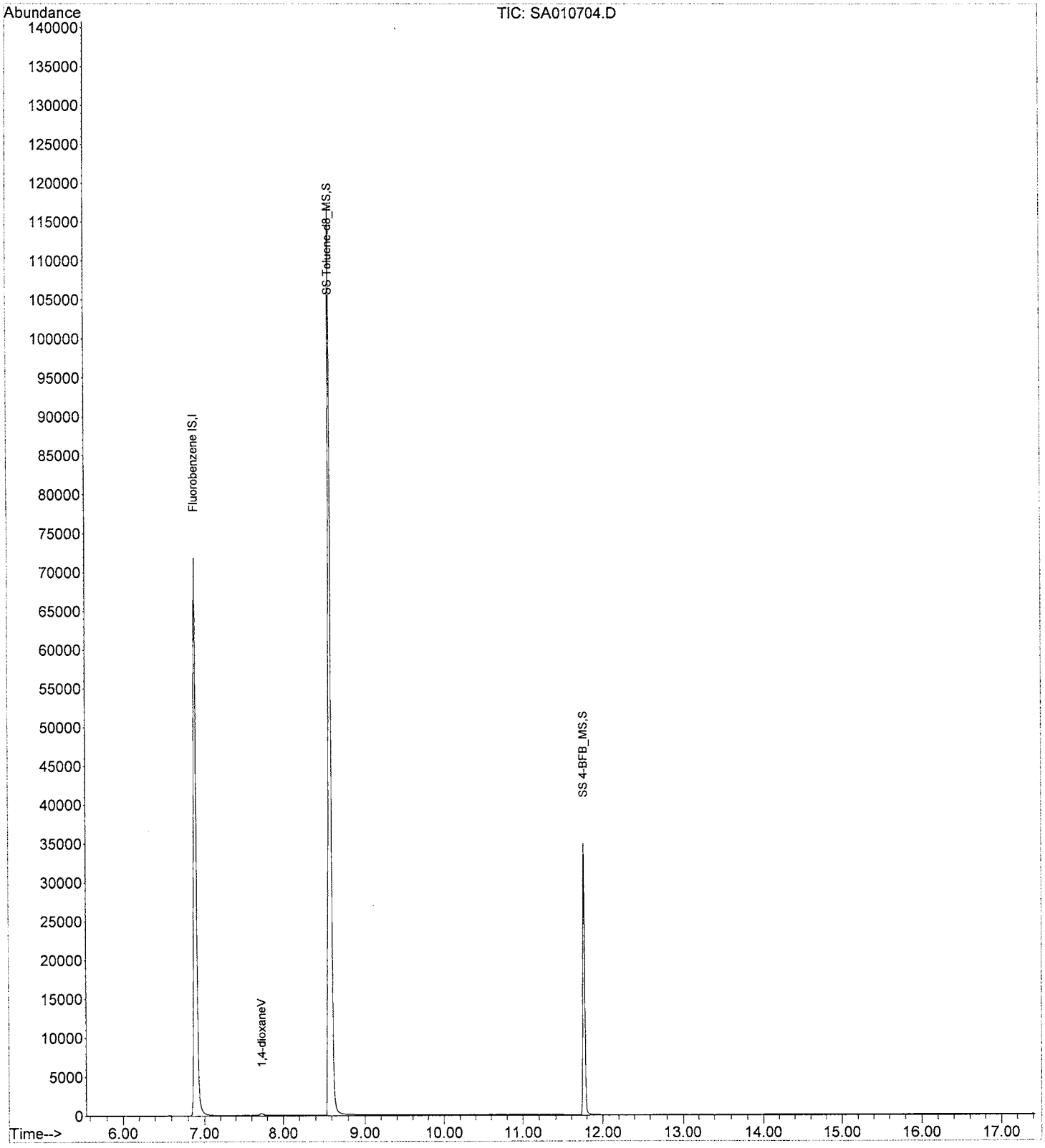
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.89	96	162450	10.000	ug/L	-0.05
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.59	98	154039	9.37	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.71%			
4) SS 4-BFB_MS	11.76	95	59226	11.18	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.80%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.73	88	376	0.524	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010704.D Vial: 4
Acq On : 7 Jan 2011 2:43 pm Operator:
Sample : STD0.5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:10 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010705.D Vial: 5
Acq On : 7 Jan 2011 3:32 pm Operator:
Sample : STD1 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:10:23 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Jan 07 14:32:58 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

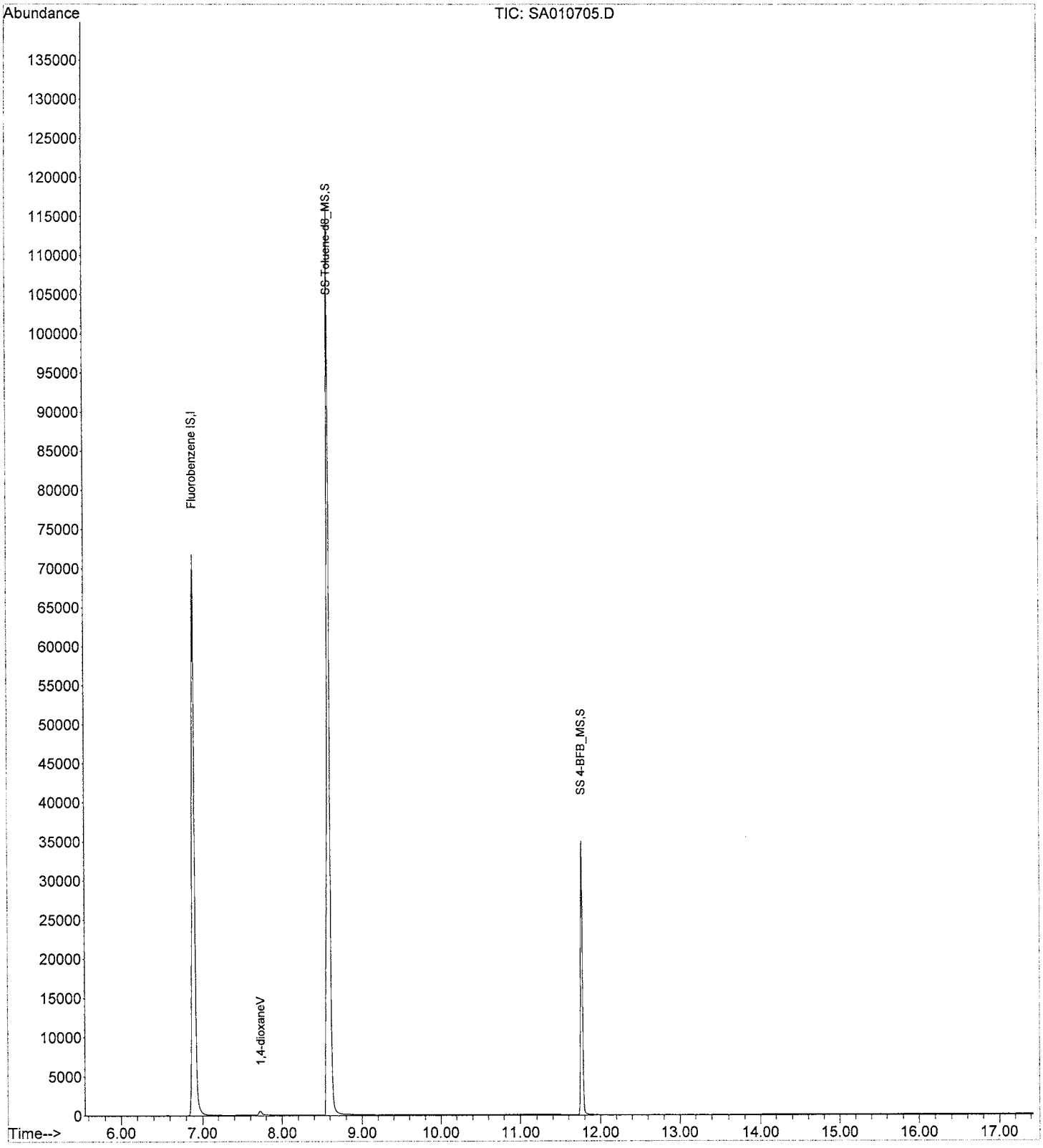
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.89	96	162032	10.000	ug/L	-0.05
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.59	98	153488	9.36	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.62%			
4) SS 4-BFB_MS	11.76	95	58993	11.16	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.65%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.73	88	768	1.073	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010705.D Vial: 5
Acq On : 7 Jan 2011 3:32 pm Operator:
Sample : STD1 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:10 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010706.D Vial: 6
Acq On : 7 Jan 2011 4:21 pm Operator:
Sample : STD2 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:10:32 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Jan 07 14:32:58 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

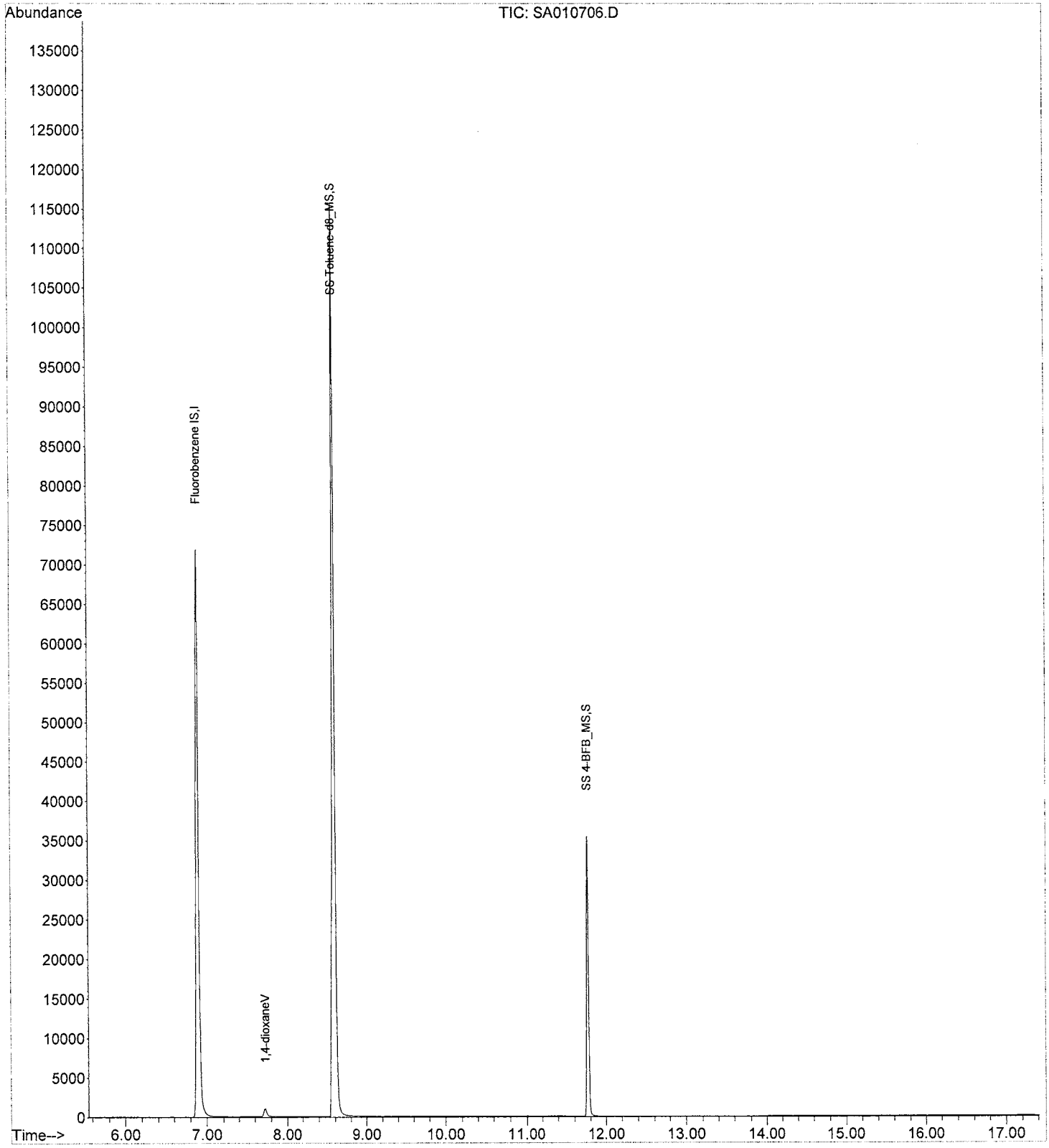
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.89	96	164290	10.000	ug/L	-0.05
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.59	98	156365	9.41	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.06%			
4) SS 4-BFB_MS	11.77	95	59287	11.07	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.66%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.73	88	1536	2.116	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010706.D Vial: 6
Acq On : 7 Jan 2011 4:21 pm Operator:
Sample : STD2 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:10 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010707.D Vial: 7
Acq On : 7 Jan 2011 5:10 pm Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:10:44 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Jan 07 14:32:58 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

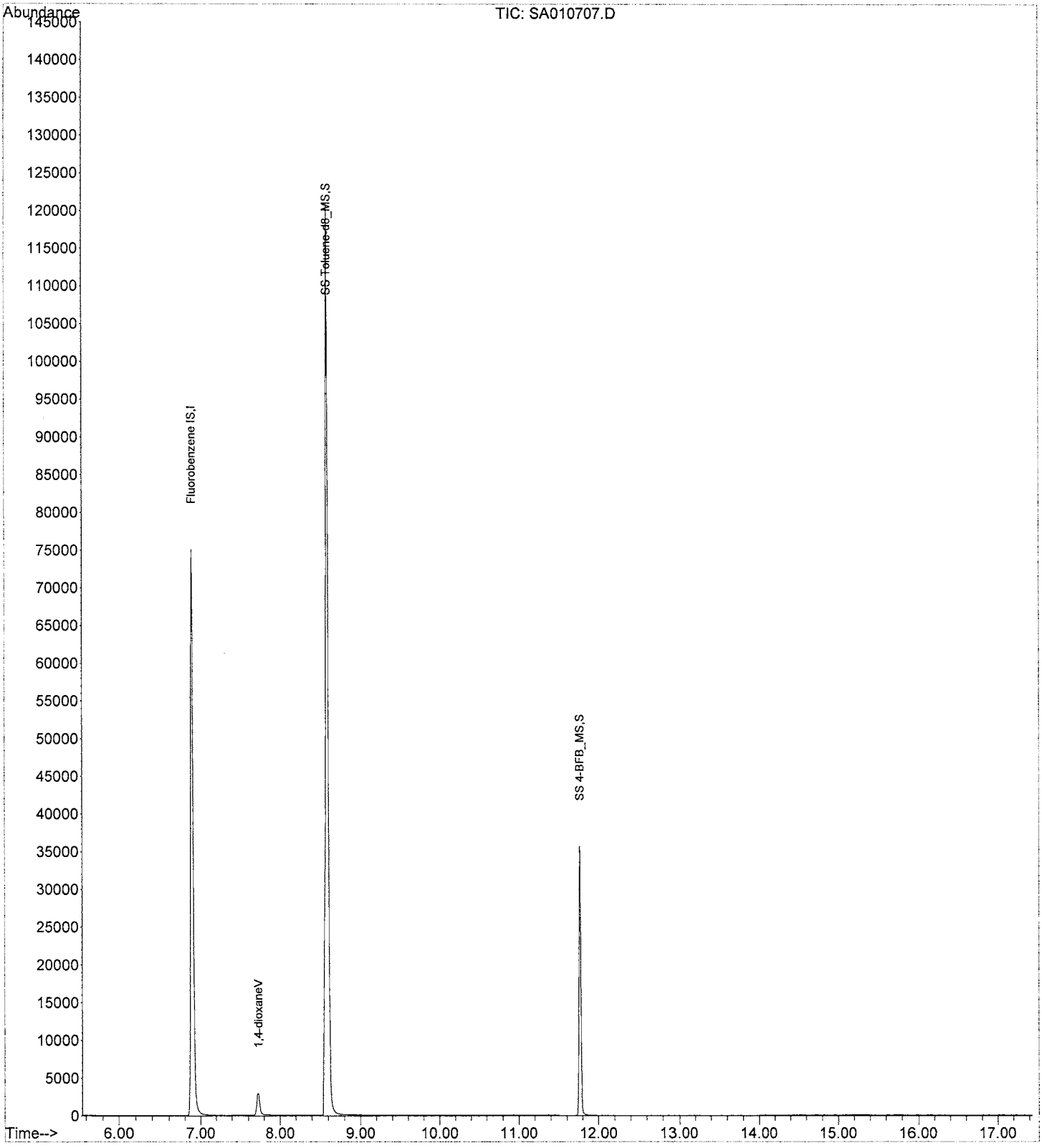
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.89	96	165822	10.000	ug/L	-0.05
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.59	98	158425	9.44	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.42%			
4) SS 4-BFB_MS	11.77	95	60092	11.11	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.13%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.73	88	4392	5.994	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010707.D Vial: 7
Acq On : 7 Jan 2011 5:10 pm Operator:
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:10 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010708.D Vial: 8
Acq On : 7 Jan 2011 5:58 pm Operator:
Sample : STD10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:10:55 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Jan 07 14:32:58 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

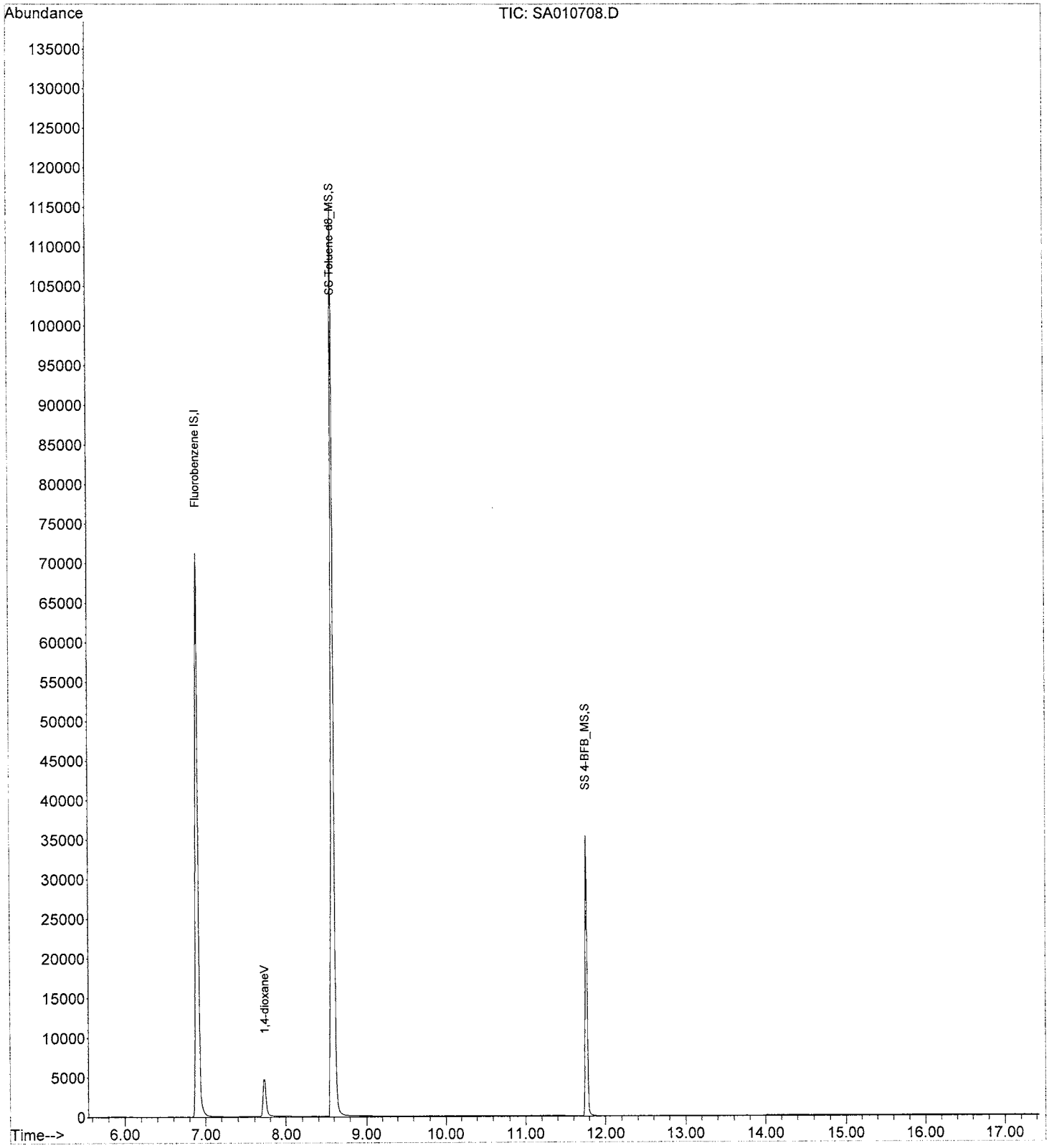
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.90	96	166411	10.000	ug/L	-0.05
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.59	98	159063	9.45	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.46%			
4) SS 4-BFB_MS	11.77	95	59755	11.01	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.11%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.73	88	7319	9.954	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010708.D Vial: 8
Acq On : 7 Jan 2011 5:58 pm Operator:
Sample : STD10 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:10 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010709.D Vial: 9
Acq On : 7 Jan 2011 6:47 pm Operator:
Sample : STD20 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:11:07 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Jan 07 14:32:58 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

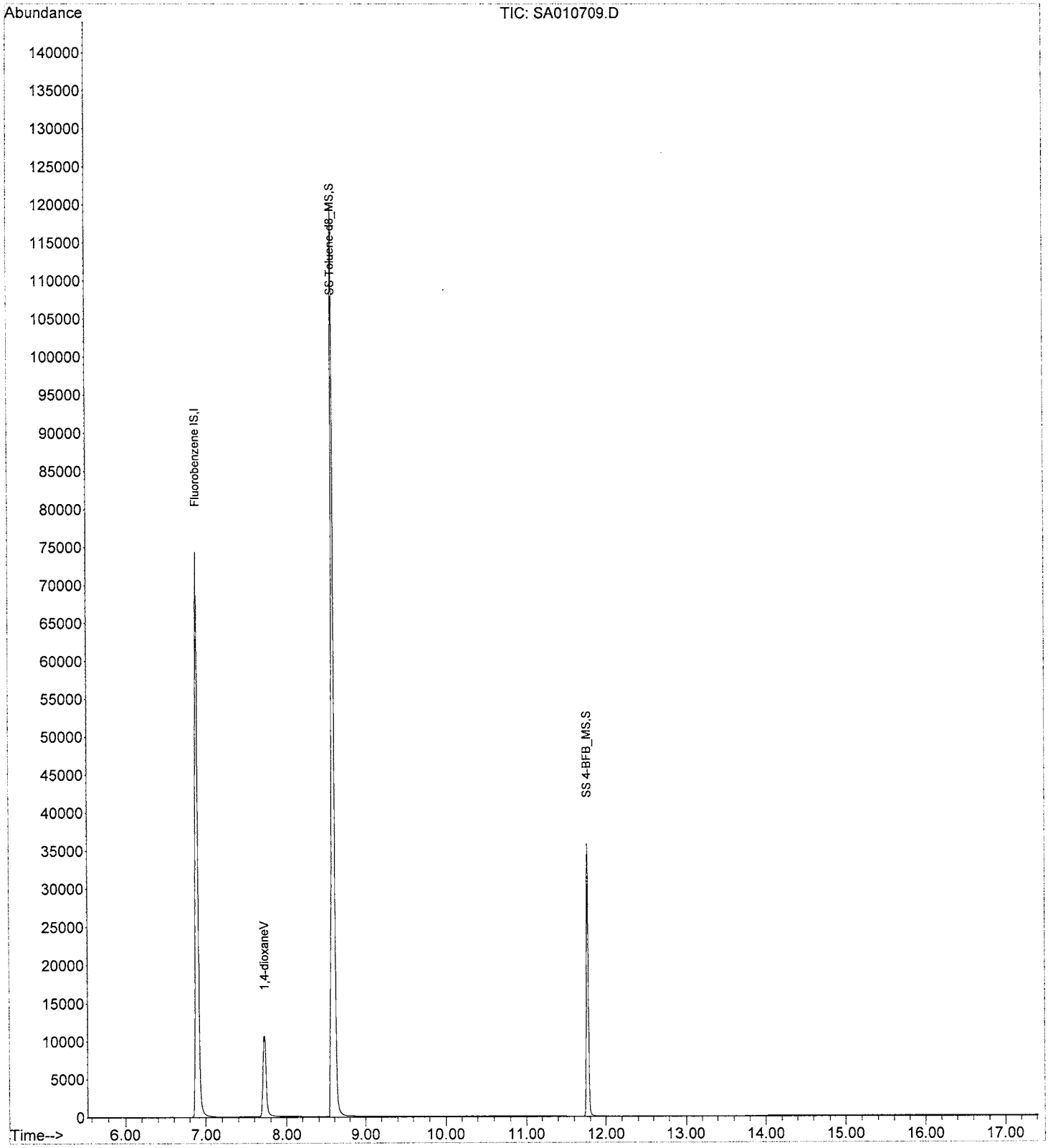
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.90	96	167245	10.000	ug/L	-0.05
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.59	98	163338	9.65	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.52%			
4) SS 4-BFB_MS	11.77	95	60465	11.09	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.87%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.73	88	16210	21.935	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010709.D Vial: 9
Acq On : 7 Jan 2011 6:47 pm Operator:
Sample : STD20 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:10 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010709.D Vial: 9
Acq On : 7 Jan 2011 6:47 pm Operator:
Sample : STD20 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:11:07 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Jan 07 14:32:58 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

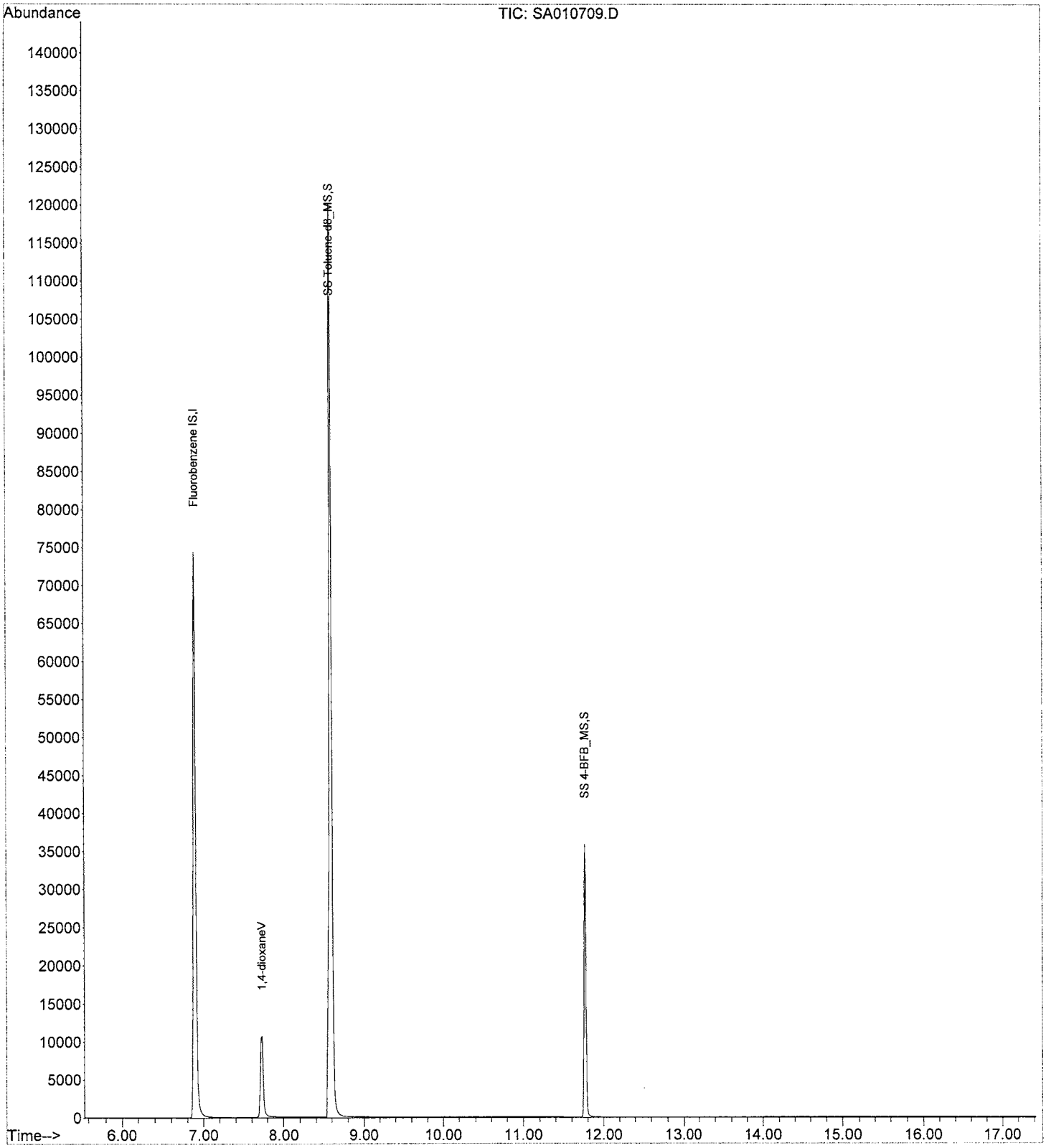
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.90	96	167245	10.000	ug/L	-0.05
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.59	98	163338	9.65	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.52%			
4) SS 4-BFB_MS	11.77	95	60465	11.09	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.87%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.73	88	16210	21.935	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010709.D Vial: 9
Acq On : 7 Jan 2011 6:47 pm Operator:
Sample : STD20 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:10 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010710.D Vial: 10
Acq On : 7 Jan 2011 7:35 pm Operator:
Sample : STD50 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:11:16 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Fri Jan 07 14:32:58 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

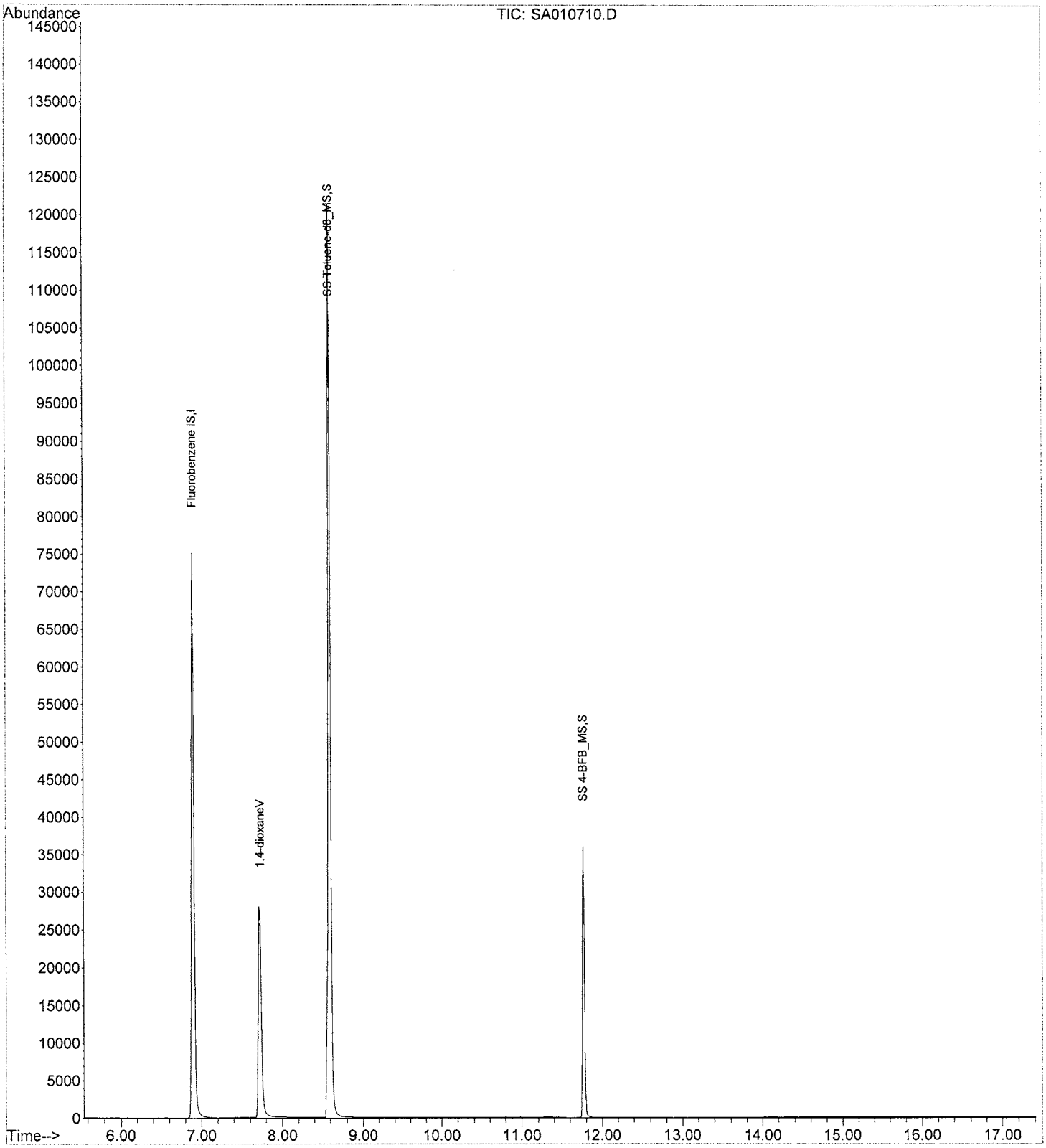
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.90	96	167139	10.000	ug/L	-0.05
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.60	98	163425	9.66	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.63%			
4) SS 4-BFB_MS	11.77	95	60098	11.03	ug/L	-0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.26%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.73	88	42070	56.965	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\JAN0711\SA010710.D Vial: 10
Acq On : 7 Jan 2011 7:35 pm Operator:
Sample : STD50 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Jan 10 10:11 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Volatile Organic SIM Analysis
Support Data
96745

25 Chenell Drive Concord, NH 03301 **www.eailabs.com** TEL **800-287-0525** (603) 228-0525 Fax (603) 228-4591

VOAMS2 Analysis Run Log

IS/SS ID= V- 3723
Standard ID= V- 3727
LCS/LCSD and/or MS/MSD Standard ID= V- 3728

Analyst: VG

Date: 2/15/11

ALS	Data File	Sample Name	RR	AQ	SO	Dilution	Aq Meth	Anal Meth	Comments	A
1	SA021501	BFB		✓		x1	VOC MSI			
2	2	STD5		✓			VOC SIM	25IM0107		
3	3	Blank		✓			VOC			
4	4	LCS5		✓			VOC		prepped as 25ppb instead of 5ppb	
5	5	LCSD5		✓			VOC		5µL→100mL vs 10µL→100mL	
6	6	96745.02		✓			VOC		2/15/11	
7	7	02MS		✓			VOC			
8	8	02MSD		✓			VOC			
9	9	03		✓			VOC			
10	10	06		✓			VOC			
11	11	07		✓			VOC			
12	12	09		✓			VOC			
13	13	96790.01		✓			VOC			
14	14	96706.02		✓			VOC			
15	15	01		✓			VOC			
							VOC			
							VOC			
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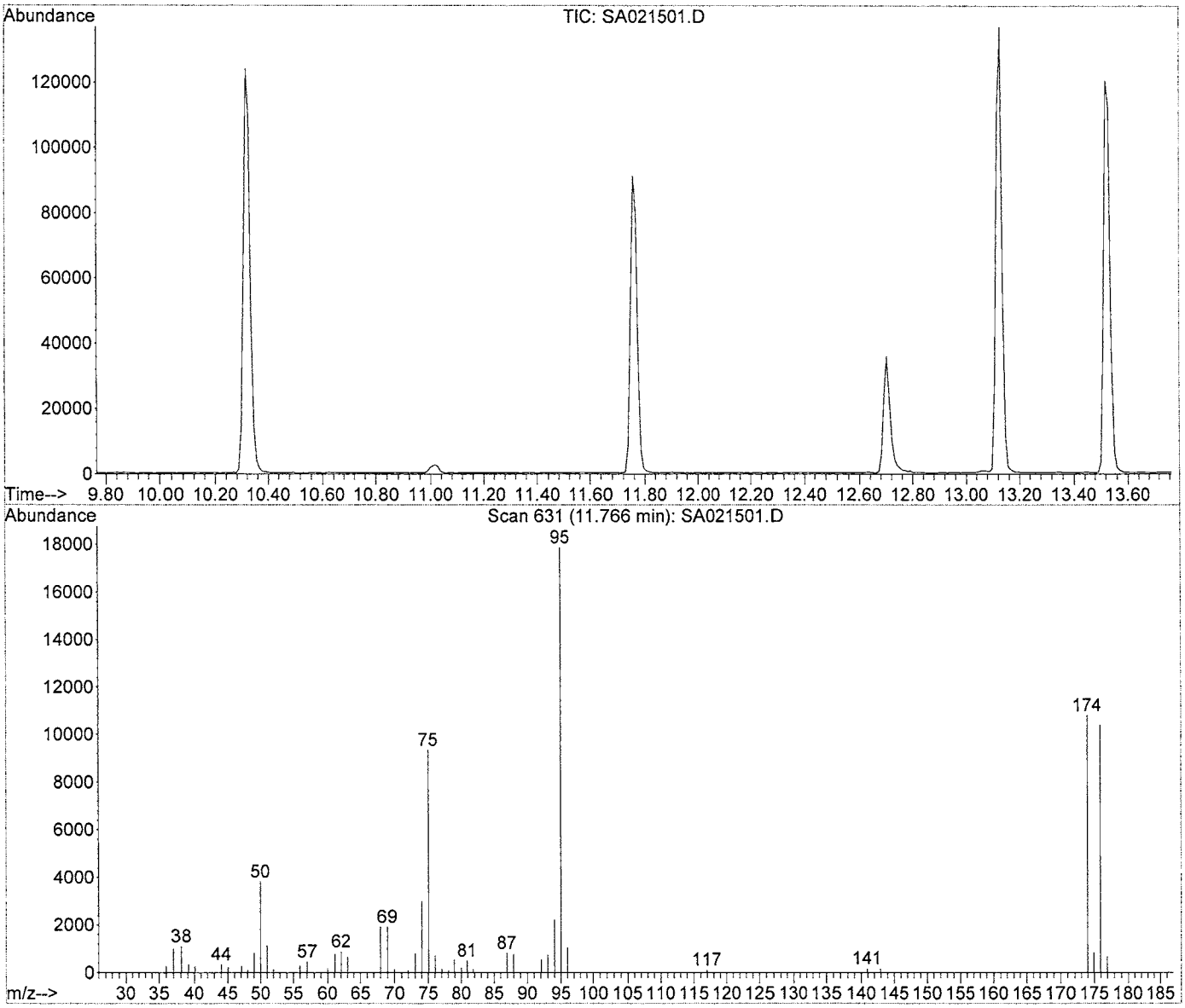
Samples removed from autosampler, order verified by 2/18/11

Data File : V:\1\DATA\FEB1510\SA021501.D Vial: 1
Acq On : 15 Feb 2011 8:31 am Operator: VG
Sample : BFB Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09



Spectrum Information: Scan 631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	3827	PASS
75	95	30	60	52.3	9345	PASS
95	95	100	100	100.0	17864	PASS
96	95	5	9	5.9	1058	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	60.4	10790	PASS
175	174	5	9	7.7	836	PASS
176	174	95	101	96.2	10376	PASS
177	176	5	9	6.4	667	PASS

GC/MS QA-QC Check Report

Tune File : V:\1\DATA\FEB1510\SA021501.D
Tune Time : 15 Feb 2011 8:31 am

Daily Calibration File : V:\1\DATA\FEB1510\SA021502.D

159895

File	Sample	Surrogate Recovery %		Internal Standard Responses
SA021502.D	STD5	90	100	159895
SA021503.D	BLANK	90	101	165532
SA021504.D	LCS5	89	99	165121
SA021505.D	LCSD5	90	100	164576
SA021506.D	96745.02	91	100	159853
SA021507.D	96745.02	89	100	157014
SA021508.D	96745.02	89	102	149528
SA021509.D	96745.03	91	104	148389
SA021510.D	96745.06	90	102	143188
SA021511.D	96745.07	90	104	142947
SA021512.D	96745.09	90	103	145039
SA021513.D	96790.01	89	101	149509
SA021514.D	96706.02	90	103	148458
SA021515.D	96706.01	89	100	152995

t - fails 12hr time check * - fails criteria

Created: Wed Feb 16 07:52:04 2011 VOAMS2

Evaluate Continuing Calibration Report

Data File : V:\1\DATA\FEB1510\SA021502.D Vial: 2
Acq On : 15 Feb 2011 9:18 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 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	96	0.00
2		1,4-dioxaneV	5.000	4.024	19.5	71	-0.01
3	S	SS Toluene-d8_MS	10.000	9.069	9.3	87	0.00
4	S	SS 4-BFB_MS	10.000	10.078	-0.8	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
SA021502.D 2SIM0107.M Tue Feb 22 12:50:14 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\FEB1510\SA021502.D Vial: 2
Acq On : 15 Feb 2011 9:18 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 15 10:50:29 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

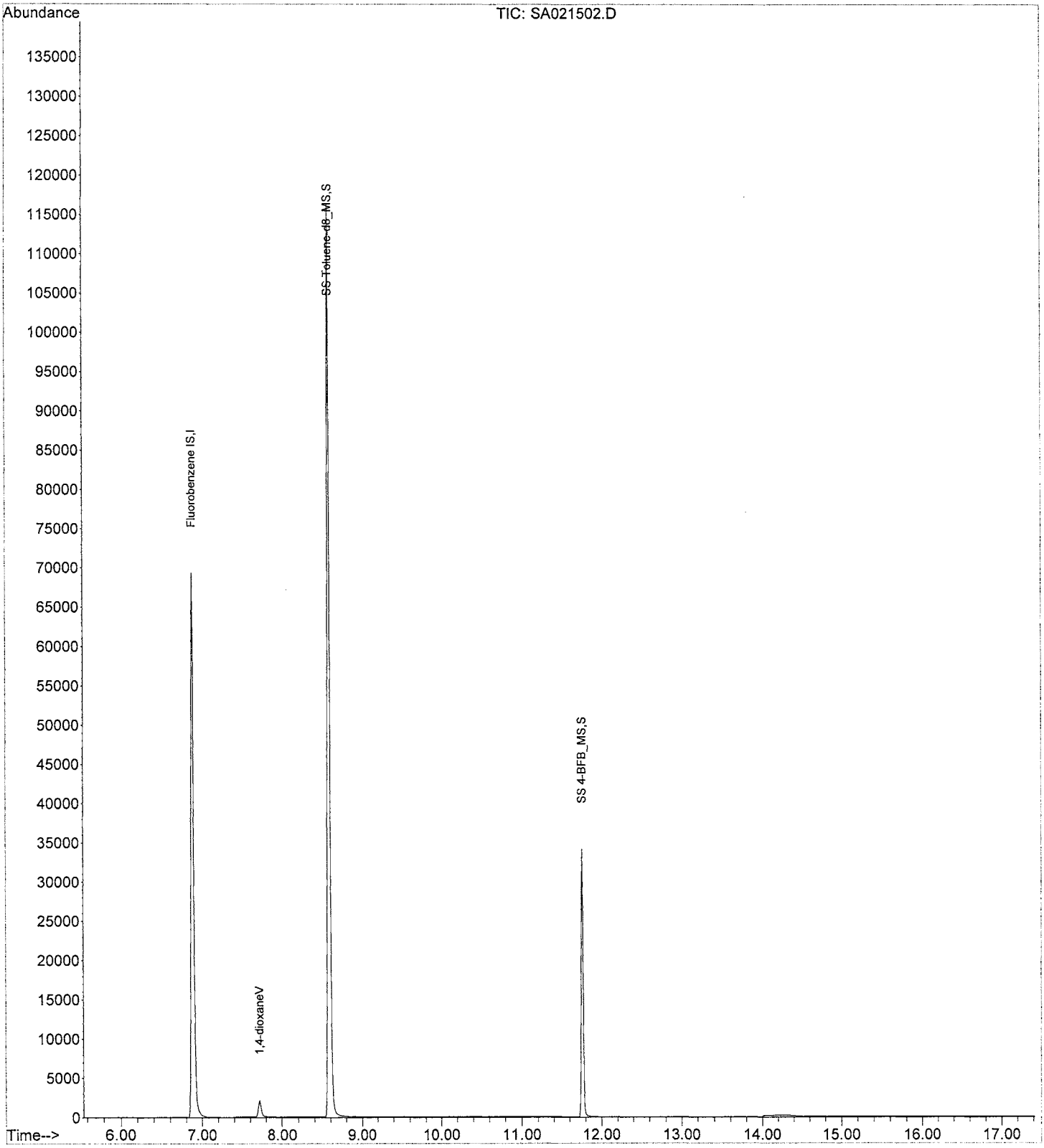
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	159033	10.000	ug/L	0.00
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.59	98	138115	9.07	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.69%			
4) SS 4-BFB_MS	11.76	95	58028	10.08	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.78%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	3118	4.024	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA021502.D 2SIM0107.M Tue Feb 22 12:50:21 2011

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\FEB1510\SA021502.D Vial: 2
Acq On : 15 Feb 2011 9:18 am Operator: VG
Sample : STD5 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 22 12:49 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\FEB1510\SA021503.D Vial: 3
Acq On : 15 Feb 2011 10:04 am Operator: VG
Sample : BlnkA021511V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 15 10:51:21 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

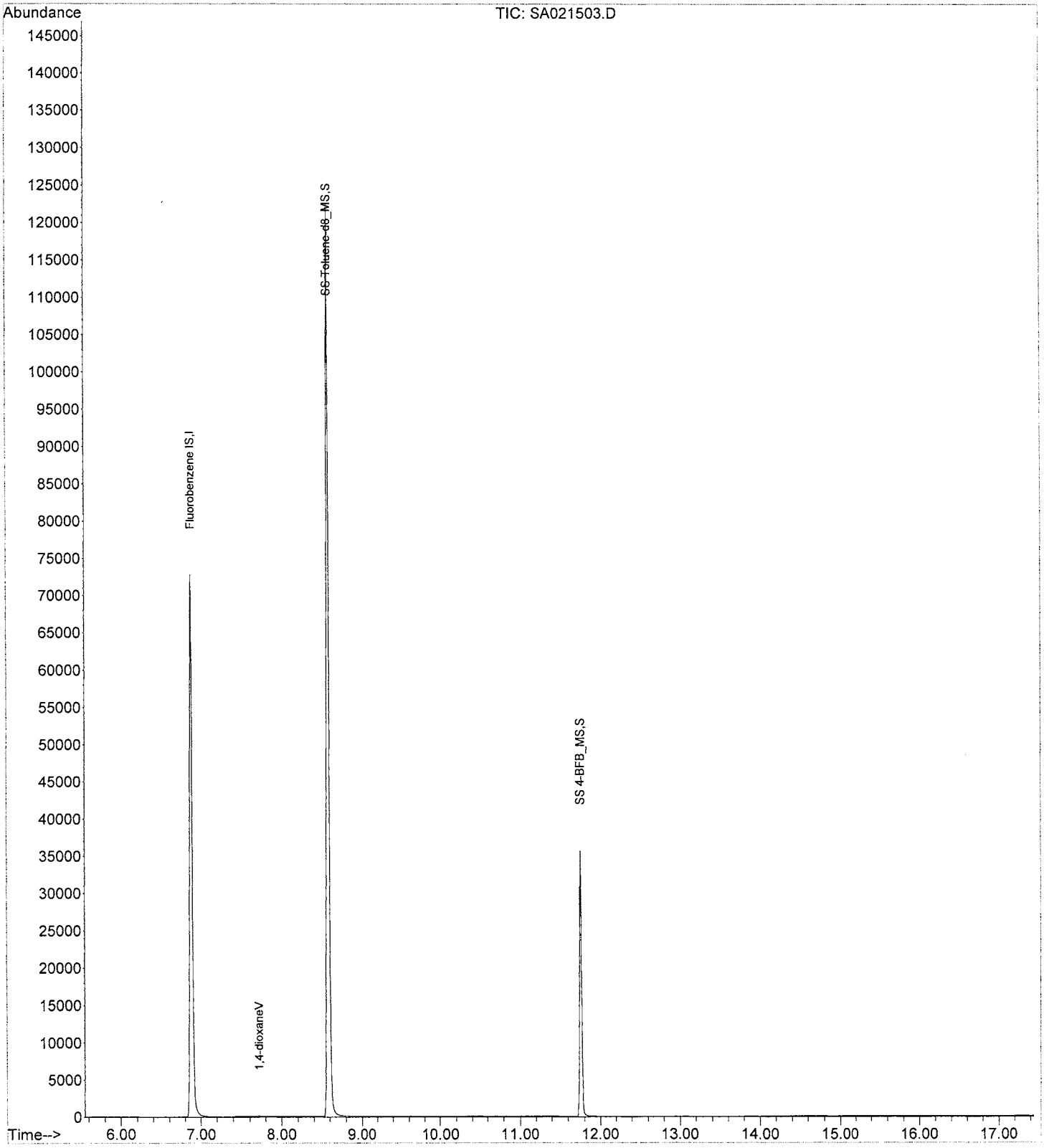
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	165532	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	143441	9.05	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.49%			
4) SS 4-BFB_MS	11.76	95	60244	10.05	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.52%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	84	0.104	ug/L #	68

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\FEB1510\SA021503.D Vial: 3
Acq On : 15 Feb 2011 10:04 am Operator: VG
Sample : BlnkA021511V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 15 10:51 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\FEB1510\SA021504.D Vial: 4
Acq On : 15 Feb 2011 10:51 am Operator: VG
Sample : LCSaA021511V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 15 14:19:12 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

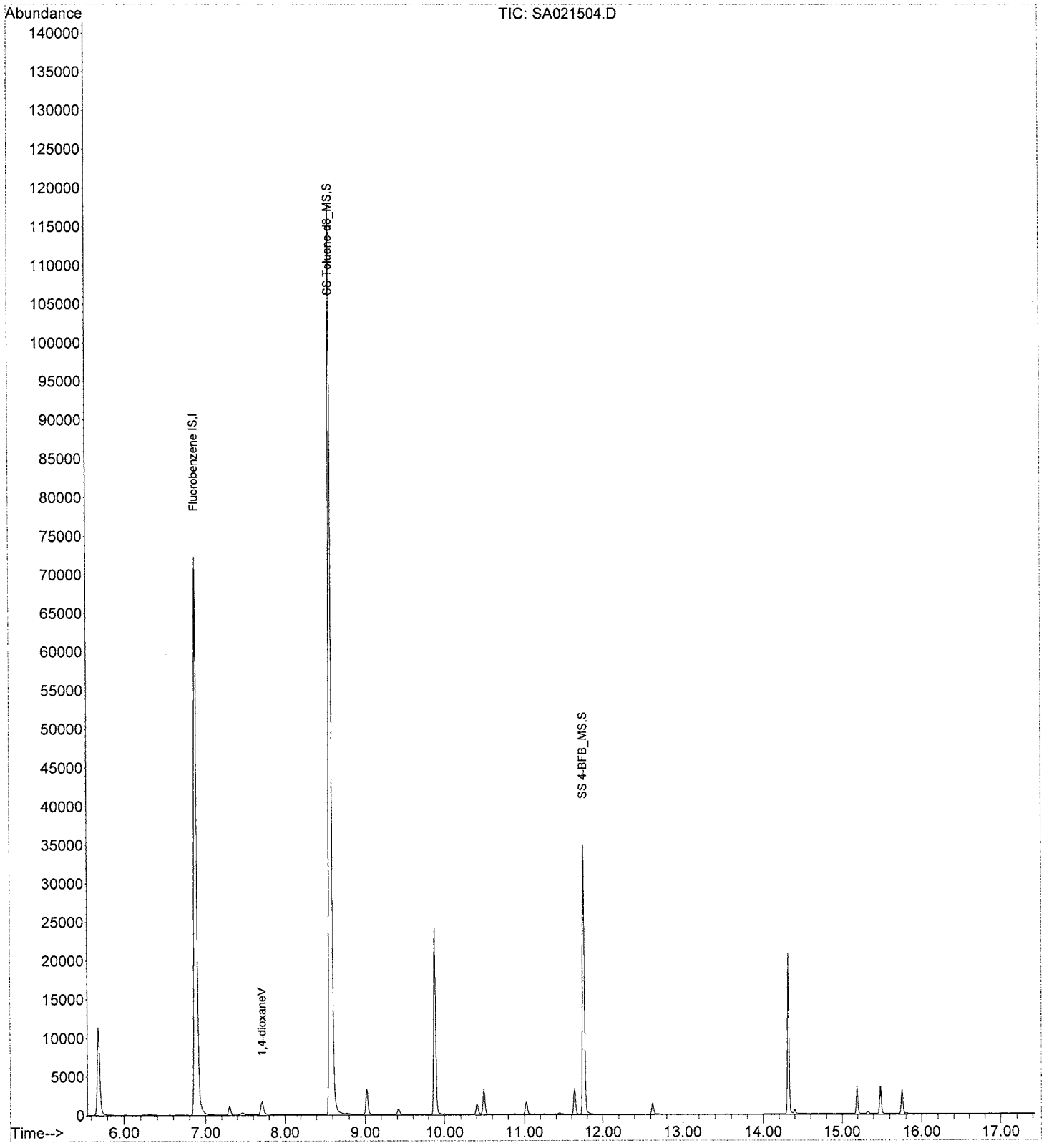
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	165121	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	141163	8.93	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.27%			
4) SS 4-BFB_MS	11.76	95	59059	9.88	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.79%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	2342m	2.911	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\FEB1510\SA021504.D Vial: 4
Acq On : 15 Feb 2011 10:51 am Operator: VG
Sample : LCSaA021511V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 22 10:05 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\FEB1510\SA021505.D Vial: 5
Acq On : 15 Feb 2011 11:37 am Operator: VG
Sample : LCSDA021511V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 15 14:15:02 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

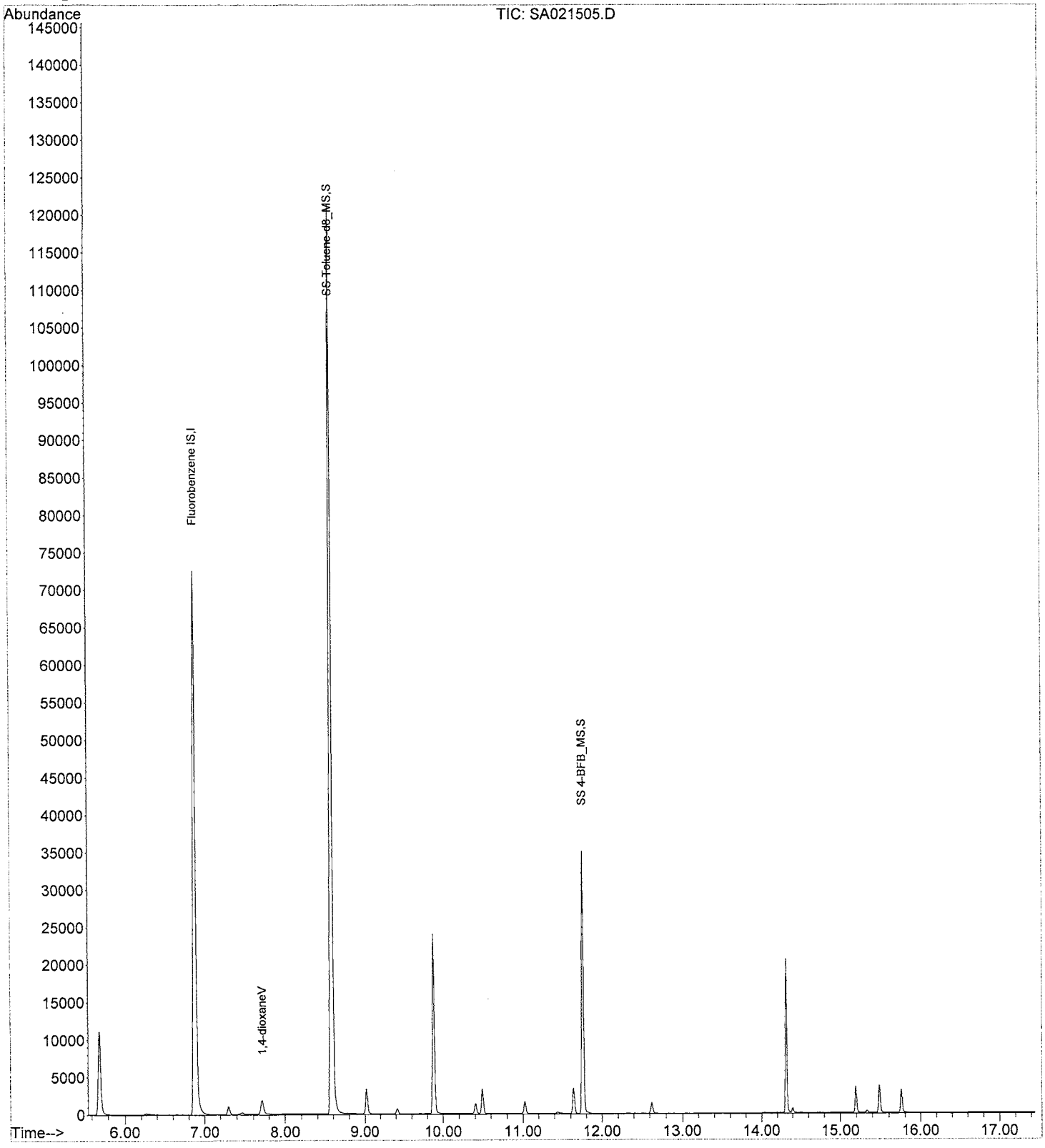
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	164576	10.000	ug/L	-0.01
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	141392	8.97	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.72%			
4) SS 4-BFB_MS	11.76	95	59333	9.96	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.57%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	2554m	3.185	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\1\DATA\FEB1510\SA021505.D Vial: 5
Acq On : 15 Feb 2011 11:37 am Operator: VG
Sample : LCSDA021511V82601 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 22 10:06 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021506.D Vial: 6
Acq On : 15 Feb 2011 12:24 pm Operator: VG
Sample : 96745.02 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 07:50:15 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.88	96	159853	10.000	ug/L	-0.02
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.58	98	138789	9.07	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.67%			
4) SS 4-BFB_MS	11.75	95	57751	9.98	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.78%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.72	88	7236	9.290	ug/L	100

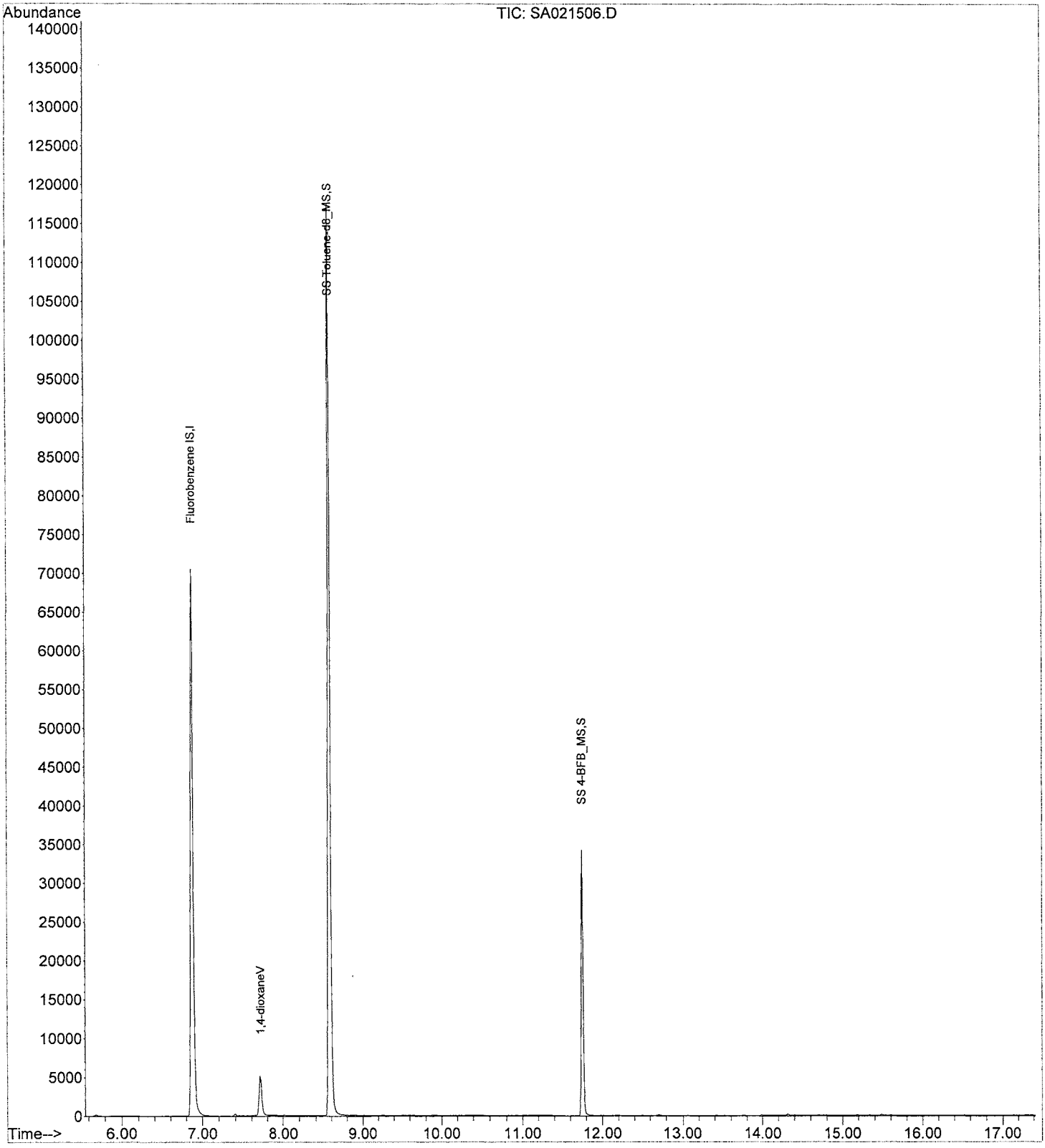
2/20/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA021506.D 2SIM0107.M Wed Feb 16 07:50:20 2011

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021506.D Vial: 6
Acq On : 15 Feb 2011 12:24 pm Operator: VG
Sample : 96745.02 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 7:50 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021507.D Vial: 7
Acq On : 15 Feb 2011 1:12 pm Operator: VG
Sample : 96745.02MS Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 07:50:28 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	157014	10.000 ug/L	-0.02
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.57	98	134135	8.92 ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.21%		
4) SS 4-BFB_MS	11.75	95	56729	9.98 ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.79%		
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.70	88	11614	15.181 ug/L	89

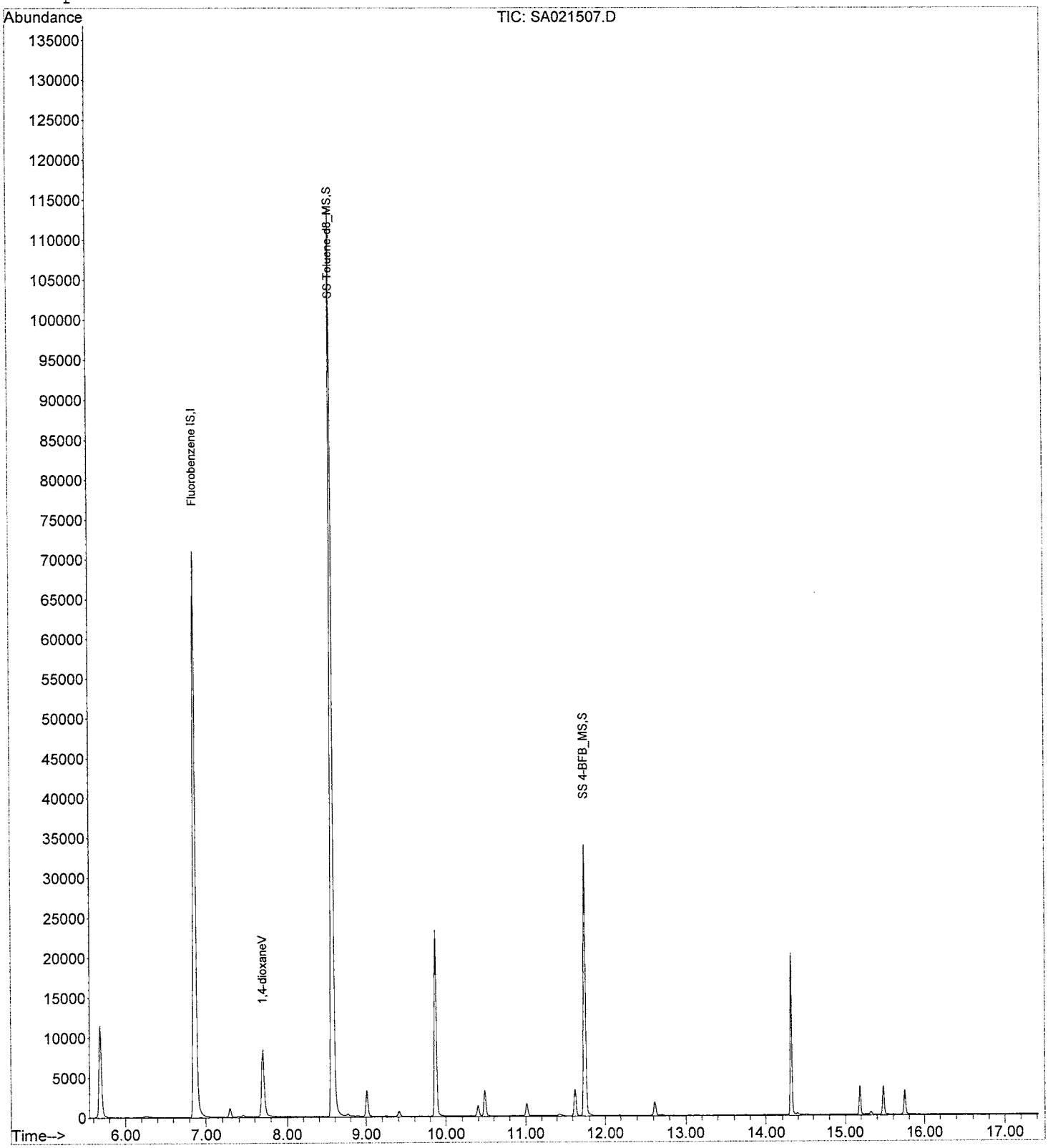
2/22/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA021507.D 2SIM0107.M Wed Feb 16 07:50:29 2011

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021507.D Vial: 7
Acq On : 15 Feb 2011 1:12 pm Operator: VG
Sample : 96745.02MS Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 7:50 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021508.D Vial: 8
Acq On : 15 Feb 2011 2:00 pm Operator: VG
Sample : 96745.02MSD Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 07:50:32 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	149528	10.000	ug/L	-0.03
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	128133	8.95	ug/L	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.48%			
4) SS 4-BFB_MS	11.74	95	55254	10.21	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.06%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	10473	14.375	ug/L	95

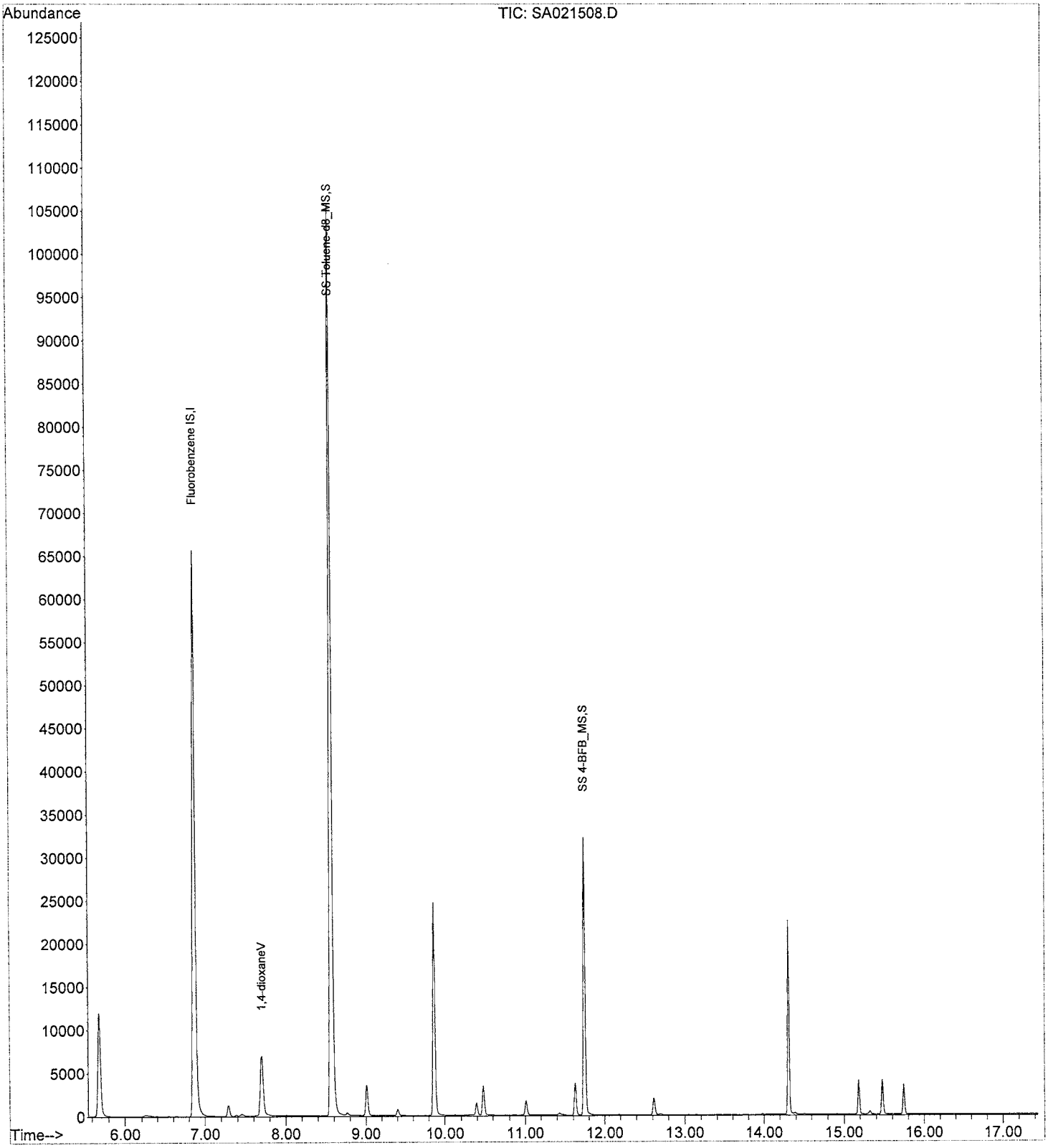
2/22/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021508.D Vial: 8
Acq On : 15 Feb 2011 2:00 pm Operator: VG
Sample : 96745.02MSD Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 7:50 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021509.D Vial: 9
Acq On : 15 Feb 2011 2:49 pm Operator: VG
Sample : 96745.03 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 07:50:36 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	148389	10.000	ug/L	-0.03
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	129414	9.11	ug/L	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.07%			
4) SS 4-BFB_MS	11.74	95	55798	10.39	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.86%			
Target Compounds						Qvalue
2) 1,4-dioxaneV	7.70	88	6729	9.307	ug/L	91

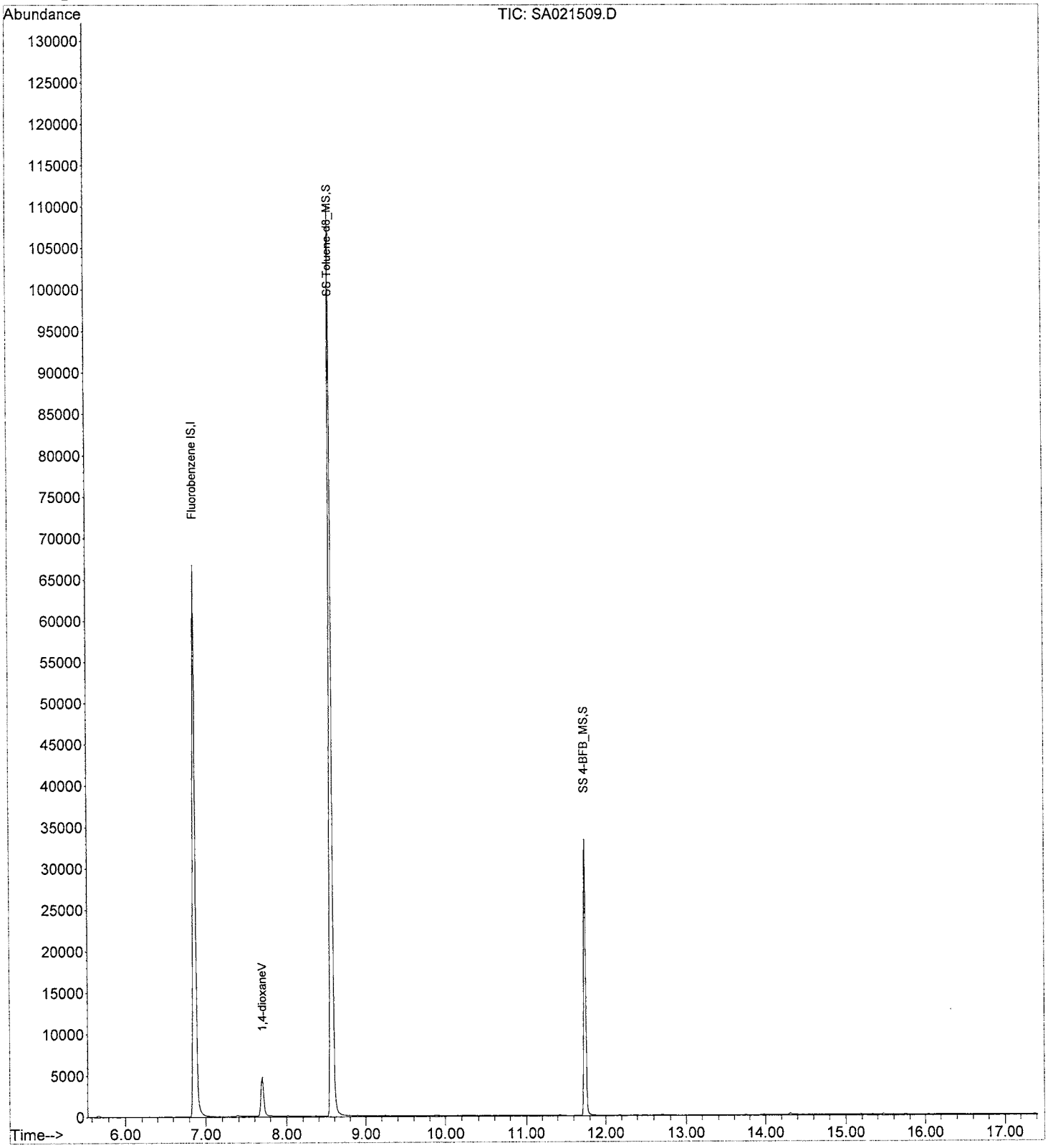
2/22/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021509.D Vial: 9
Acq On : 15 Feb 2011 2:49 pm Operator: VG
Sample : 96745.03 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 7:50 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021510.D Vial: 10
Acq On : 15 Feb 2011 3:37 pm Operator: VG
Sample : 96745.06 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 07:50:40 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	143188	10.000 ug/L	-0.03
System Monitoring Compounds					
3) SS Toluene-d8_MS	8.57	98	123616	9.02 ug/L	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.15%		
4) SS 4-BFB_MS	11.74	95	53136	10.25 ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.49%		
Target Compounds					Qvalue
2) 1,4-dioxaneV	7.70	88	75	0.107 ug/L #	68

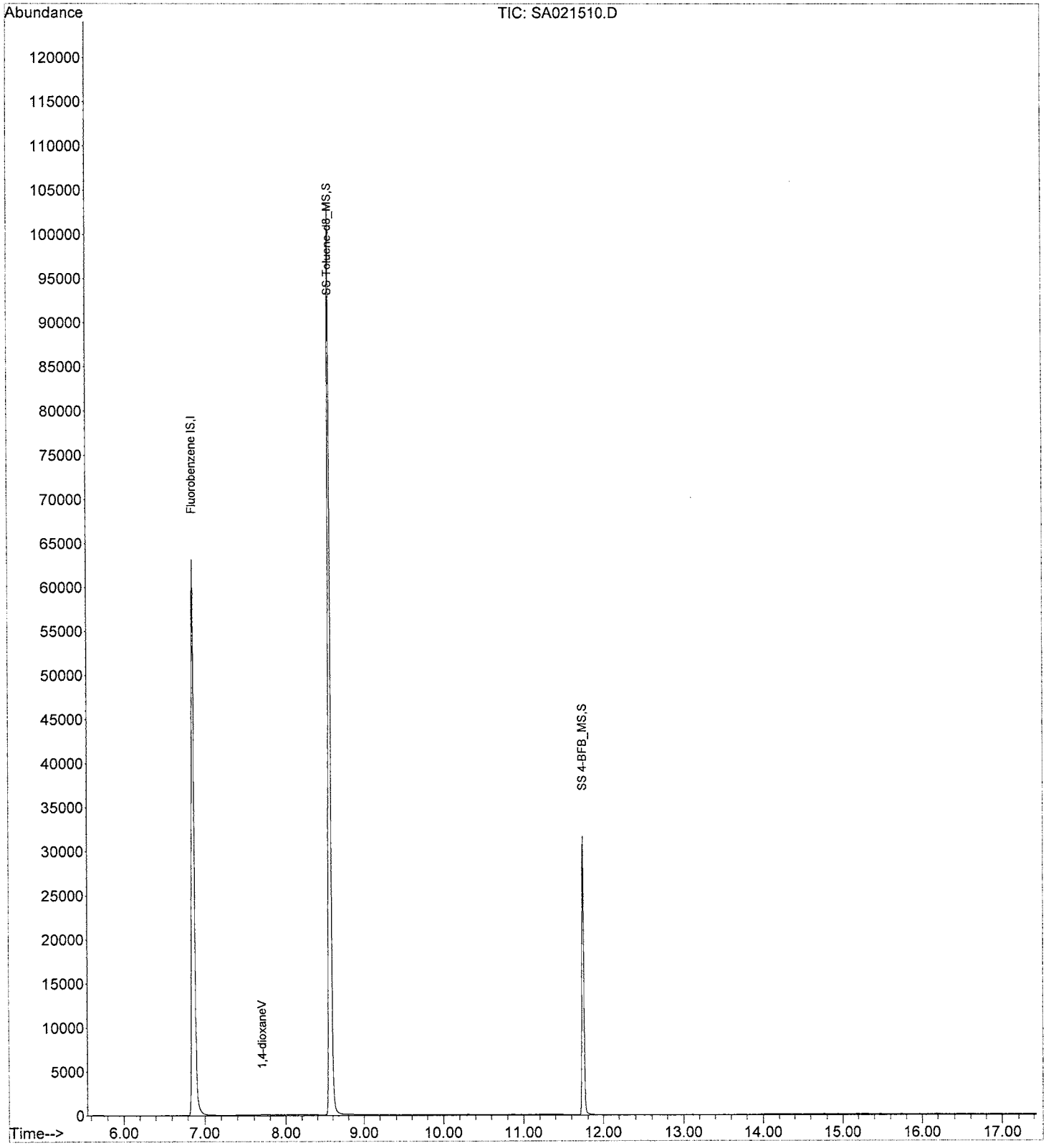
2/22/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021510.D Vial: 10
Acq On : 15 Feb 2011 3:37 pm Operator: VG
Sample : 96745.06 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 7:50 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021511.D Vial: 11
Acq On : 15 Feb 2011 4:26 pm Operator: VG
Sample : 96745.07 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 07:50:44 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.87	96	142947	10.000	ug/L	-0.03
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.57	98	123191	9.00	ug/L	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.99%			
4) SS 4-BFB_MS	11.74	95	54082	10.45	ug/L	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.49%			

Target Compounds Qvalue

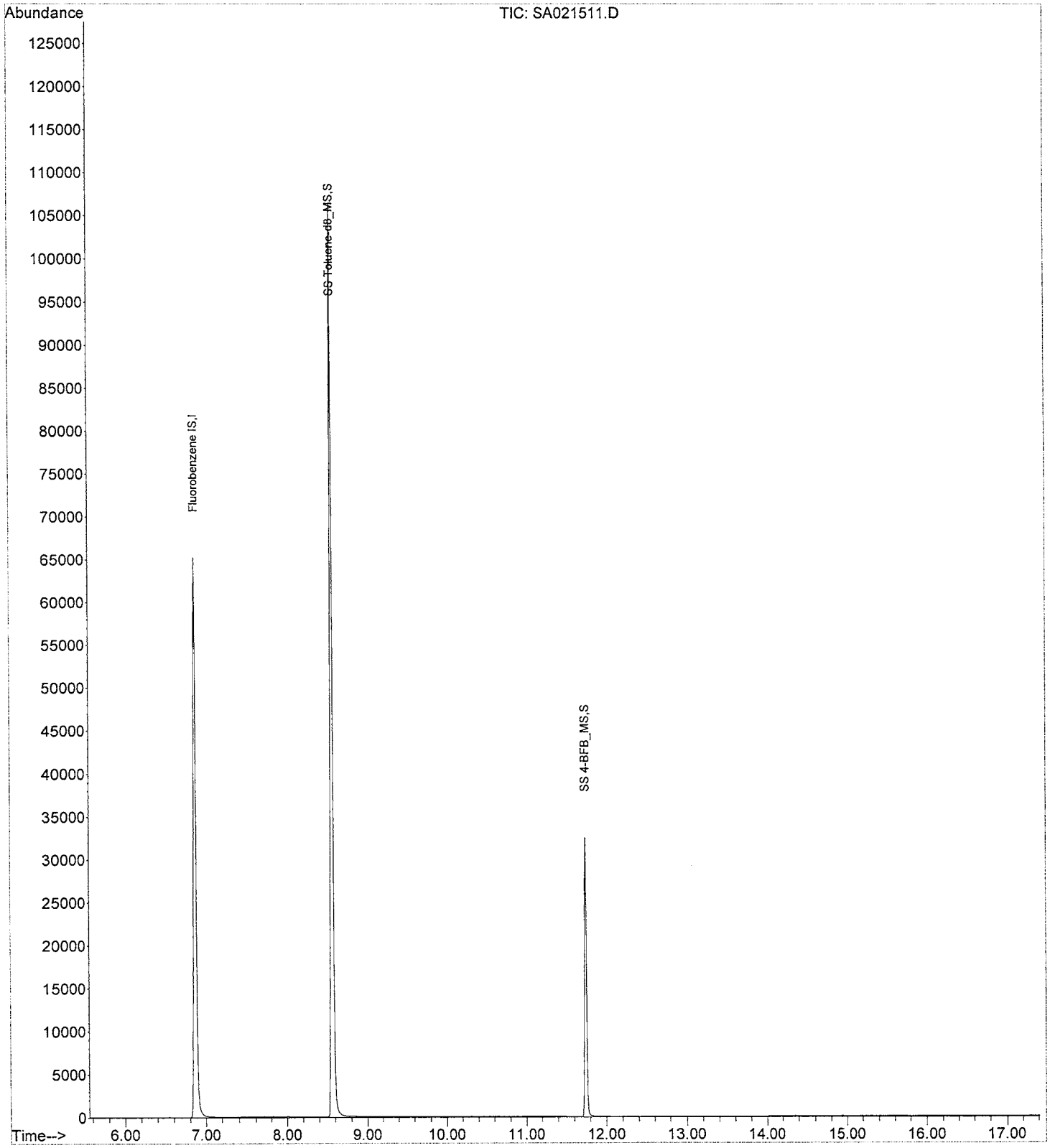
2/22/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021511.D Vial: 11
Acq On : 15 Feb 2011 4:26 pm Operator: VG
Sample : 96745.07 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 7:50 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021512.D Vial: 12
Acq On : 15 Feb 2011 5:14 pm Operator: VG
Sample : 96745.09 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 07:50:48 2011 Quant Results File: 2SIM0107.RES

Quant Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration
DataAcq Meth : VOCSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene IS	6.86	96	145039	10.000	ug/L	-0.03
System Monitoring Compounds						
3) SS Toluene-d8_MS	8.56	98	124850	8.99	ug/L	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.89%			
4) SS 4-BFB_MS	11.74	95	54248	10.33	ug/L	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.30%			
Target Compounds						Qvalue

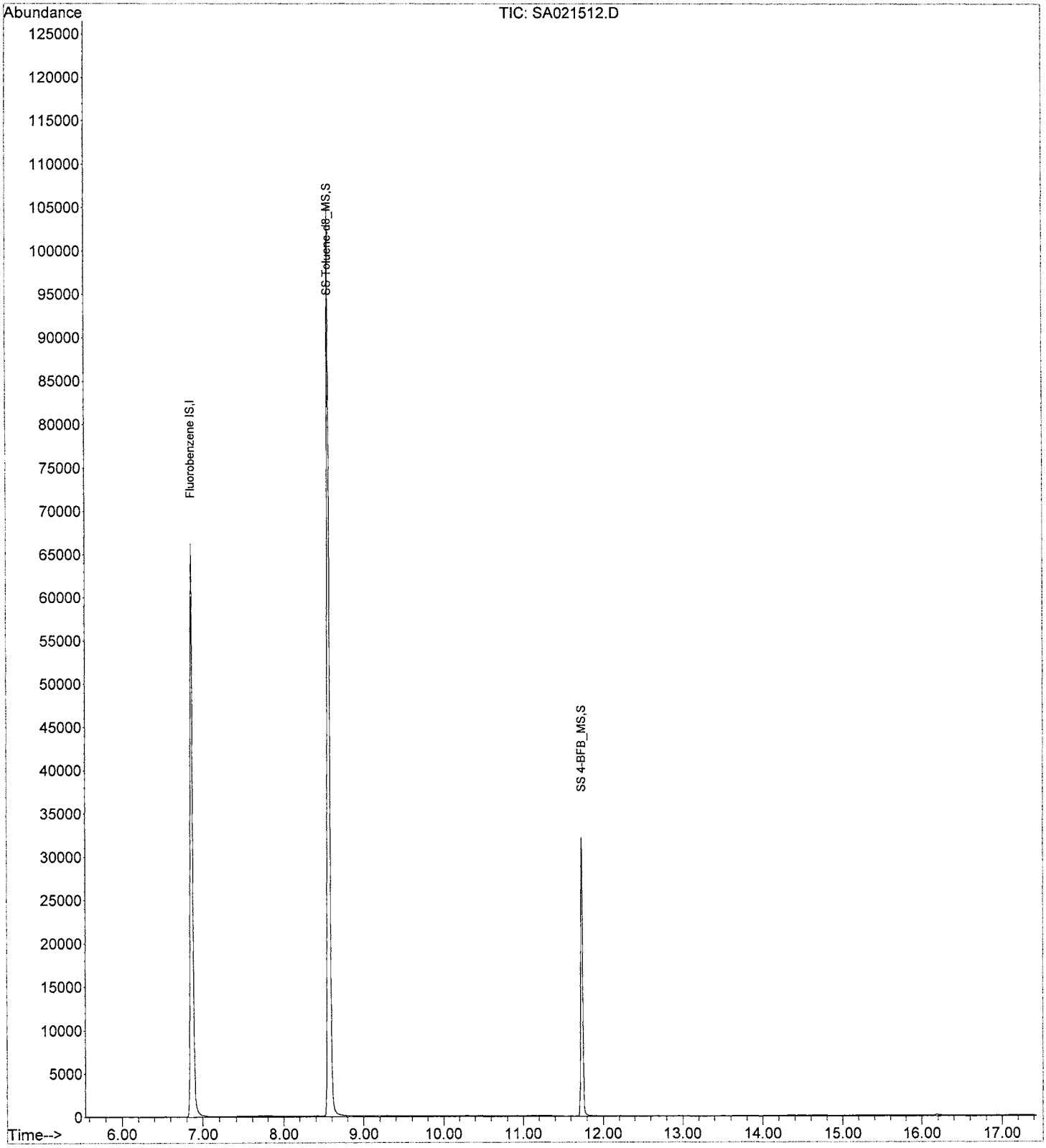
2/22/11

(#) = qualifier out of range (m) = manual integration (+) = signals summed
SA021512.D 2SIM0107.M Wed Feb 16 07:50:49 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : V:\1\DATA\FEB1510\SA021512.D Vial: 12
Acq On : 15 Feb 2011 5:14 pm Operator: VG
Sample : 96745.09 Inst : VOAMS2
Misc : X1;5mL Multiplr: 1.00
MS Integration Params: INTP23.P
Quant Time: Feb 16 7:50 2011 Quant Results File: 2SIM0107.RES

Method : V:\1\METHODS\2009\2SIM0107.M (RTE Integrator)
Title : VOAMS2 4/8/09
Last Update : Mon Jan 10 10:15:19 2011
Response via : Initial Calibration



EDB 8011/504
Support Data
96745

EDB/DBCP PrepLog (EPA 504/8011)

Batch ID: AQ2101 1EDB1 Start Time/Date: 2/10/11 8:50 Stop Time/Date: 2/11/11 8:50

Matrix: Aqueous Prep Type: Micro-extraction

#	Sample ID:	Sample Volume (mL)	Vol of Surrogate(A) (uL)	Vol of MDL Spike(B) (uL)	Vol of LFB Spike(C) (uL)	Vol of Calibration(D) (uL)	Hexane Final Volume (mL)	Sample Prep/Sample Extract Notes	LIMS (√)	Date	Analyst
1	LCS-AQ2101 1EDB1	35	5	-	14	-	2		✓	2/10/11	JW
2	LCSD	"	"	-	14	-	"		"	"	"
3	MDLa	"	"	35	-	-	"		"	"	"
4	BLNK	"	"	-	-	✓	"		"	"	"
5	96642.23	"	"	-	-	-	"	(PT)	"	"	"
6	9645.02	"	"	-	-	-	"		"	"	"
7	.03	"	"	-	-	-	"		"	"	"
8	.06	"	"	-	-	-	"		"	"	"
9	.07	"	"	-	-	-	"		"	"	"
10	.10	"	"	-	-	-	"		"	"	"
11	MSpk (745.02)	35	5	-	14	-	2		"	2/10/11	JW
12	MSD (745.02)	"	"	-	14	-	"		"	"	"
13	EDB 0.01ug/L	35	-	-	✓	35	2			2/10/11	JW
14	0.02	"	-	-	-	"	"			"	"
15	0.05	"	-	-	-	"	"			"	"
16	0.075	"	-	-	-	"	"			"	"
17	0.10	"	-	-	-	"	"			"	"
18	0.25	"	-	-	-	"	"			"	"
19											
20											
21											
22											
23											
24								2/15/11			
25											
26											
27											
28											
29											
30											

A Surrogate Lot#: 5541 Expiration Date: 3/3/11
B MDL Spike Lot#: 26046 Expiration Date: 4/1/12
C LFB Spike Lot#: 19463 Expiration Date: 5/24/12
D Calibration Lot#: 5532 Expiration Date: 2/19/11

Hexane Lot#: 5024
Salt Lot#: 20427

EDB/HAA Instrument Run Log

Date: 2/10/11 Analyst: JW/JW Data Folder: 021011

Vial	Sample Name	Dilution	Quant Method	Comments	Data File
100	Hexane				SV13404-8/11
1	LCSaA021011EDB1			EDB/DBCP 00c High - New curve	9
2	LCSD				10
20	EDB 0.01ug/L		EDB02101.M	NOT USED.	12
21	0.02		✓		13
22	0.05		✓		14
23	0.075		✓		15
24	0.10		✓		16
25	0.25		✓		17
1	LCSaA021011EDB1		✓		18
2	LCSD		✓		19
3	MDLa		✓		20
4	Blnk		✓		21
5	96642.23		✓	RA 5x 10x, 20x	22
6	96745.02		✓		23
7	MSpkA021011EDB1		✓	(745.02)	24
8	MSD		✓	(745.02)	25
9	96745.03		✓		26
10	.06		✓		27
11	.07		✓		28
12	.10		✓		29
13	96642.23	20x	✓		30
14	.23	10x		use 20x	31
24	EDB 0.10ug/L		✓		32
24	EDB 0.10ug/L		✓		33

JW 02/11/11

158

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13413.D\ECD1A.CH Vial: 21
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13413.D\ECD2B.CH
Acq On : 10 Feb 2011 11:57 am Operator:
Sample : EDB 0.02ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:16 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 10 13:11:30 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.56	2112	2727	0.022m	0.019
Spiked Amount 0.100	Range 65 - 135		Recovery =		22.00%#	19.00%#
Target Compounds						
1) TM EDB	1.89	2.26	3732	2134	0.016m	0.018m
3) TM DBCP	3.92	4.34	1602	1156	0.015m	0.018m

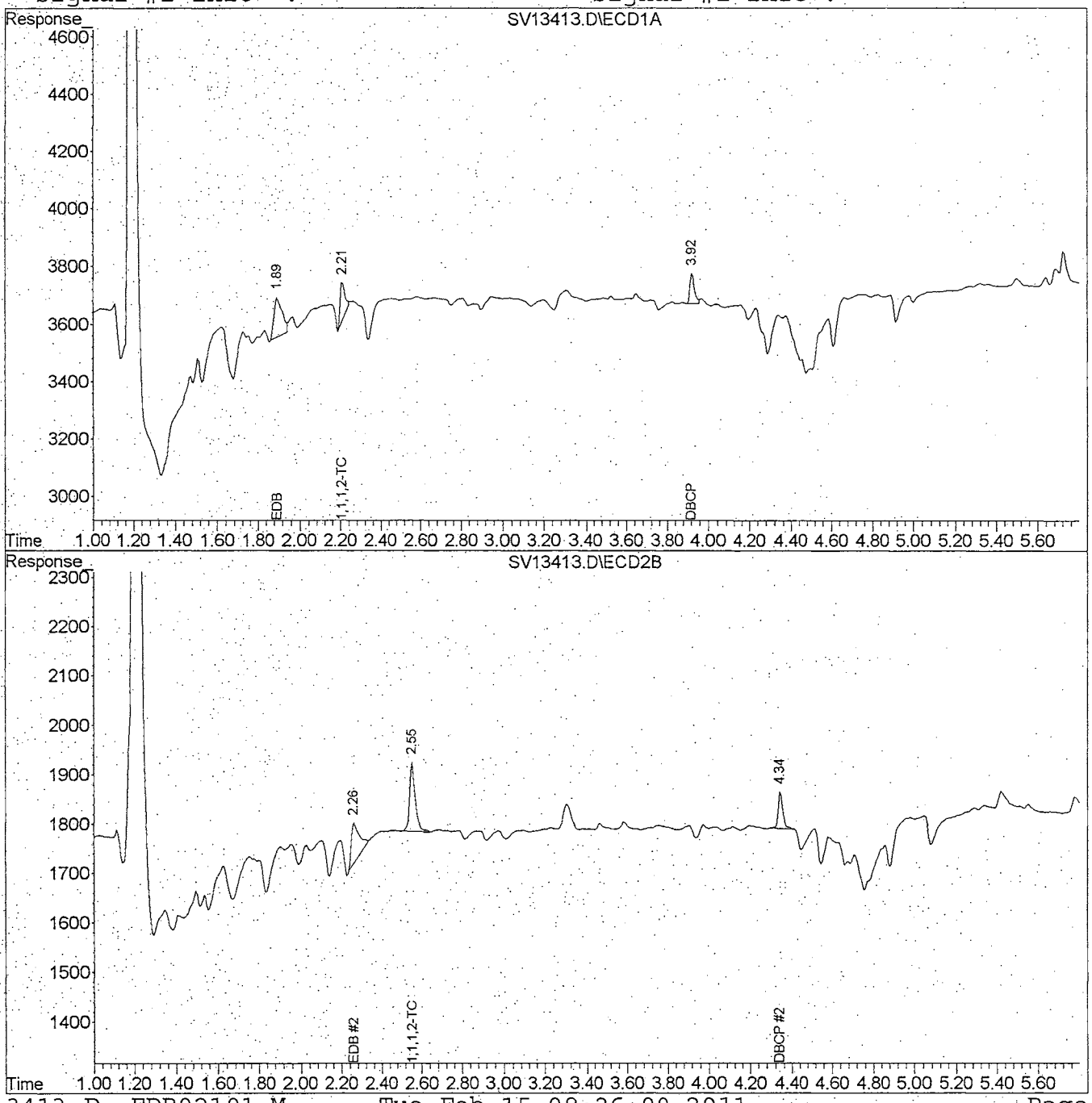
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13413.D\ECD1A.CH Vial: 21
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13413.D\ECD2B.CH
Acq On : 10 Feb 2011 11:57 am Operator:
Sample : EDB 0.02ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:16 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 10 13:11:30 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13414.D\ECD1A.CH Vial: 22
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13414.D\ECD2B.CH
Acq On : 10 Feb 2011 12:13 pm Operator:
Sample : EDB 0.05ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:16 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 10 13:08:49 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

2/15/11

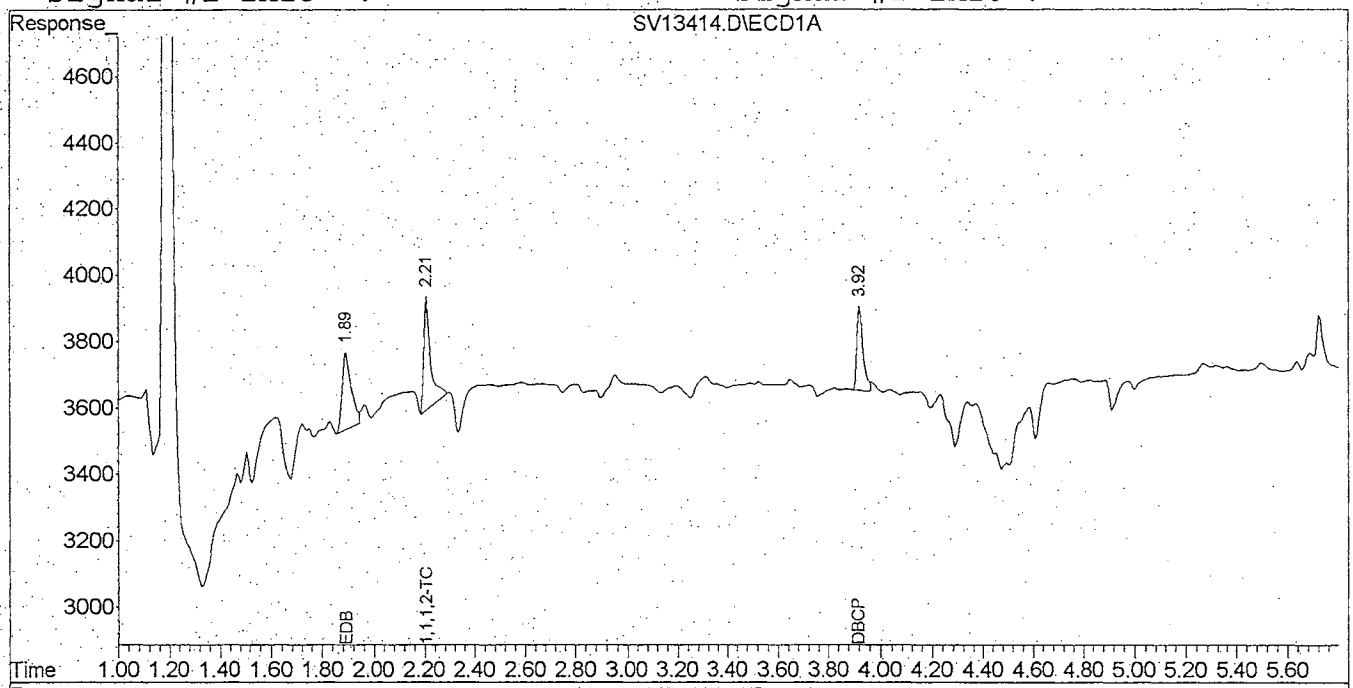
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	6382	6309	0.068m	0.053
Spiked Amount 0.100	Range 65 - 135		Recovery =		68.00%	53.00%#
Target Compounds						
1) TM EDB	1.89	2.26	5502	3918	0.055	0.062m
3) TM DBCP	3.92	4.35	3987	3221	0.060m	0.068

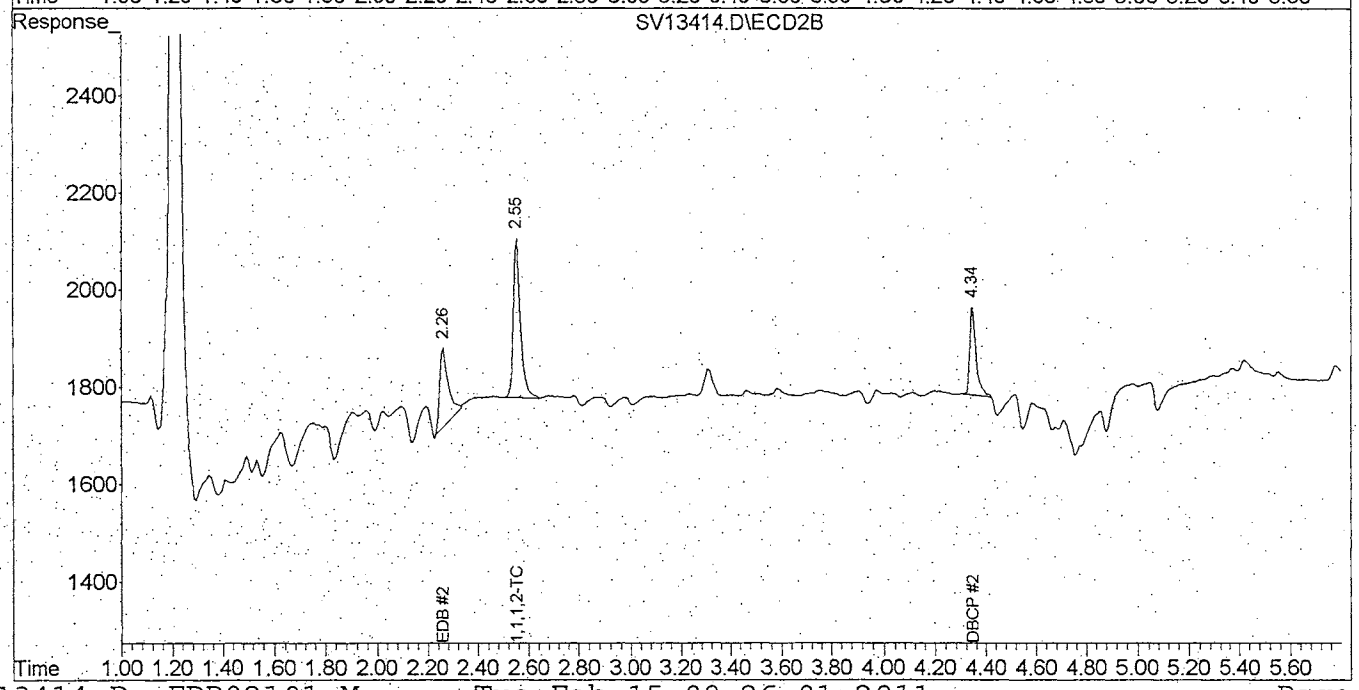
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13414.D\ECD1A.CH Vial: 22
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13414.D\ECD2B.CH
Acq On : 10 Feb 2011 12:13 pm Operator:
Sample : EDB 0.05ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:16 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 10 13:08:49 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13415.D\ECD1A.CH Vial: 23
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13415.D\ECD2B.CH
Acq On : 10 Feb 2011 12:28 pm Operator:
Sample : EDB 0.075ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:17 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 10 13:09:27 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

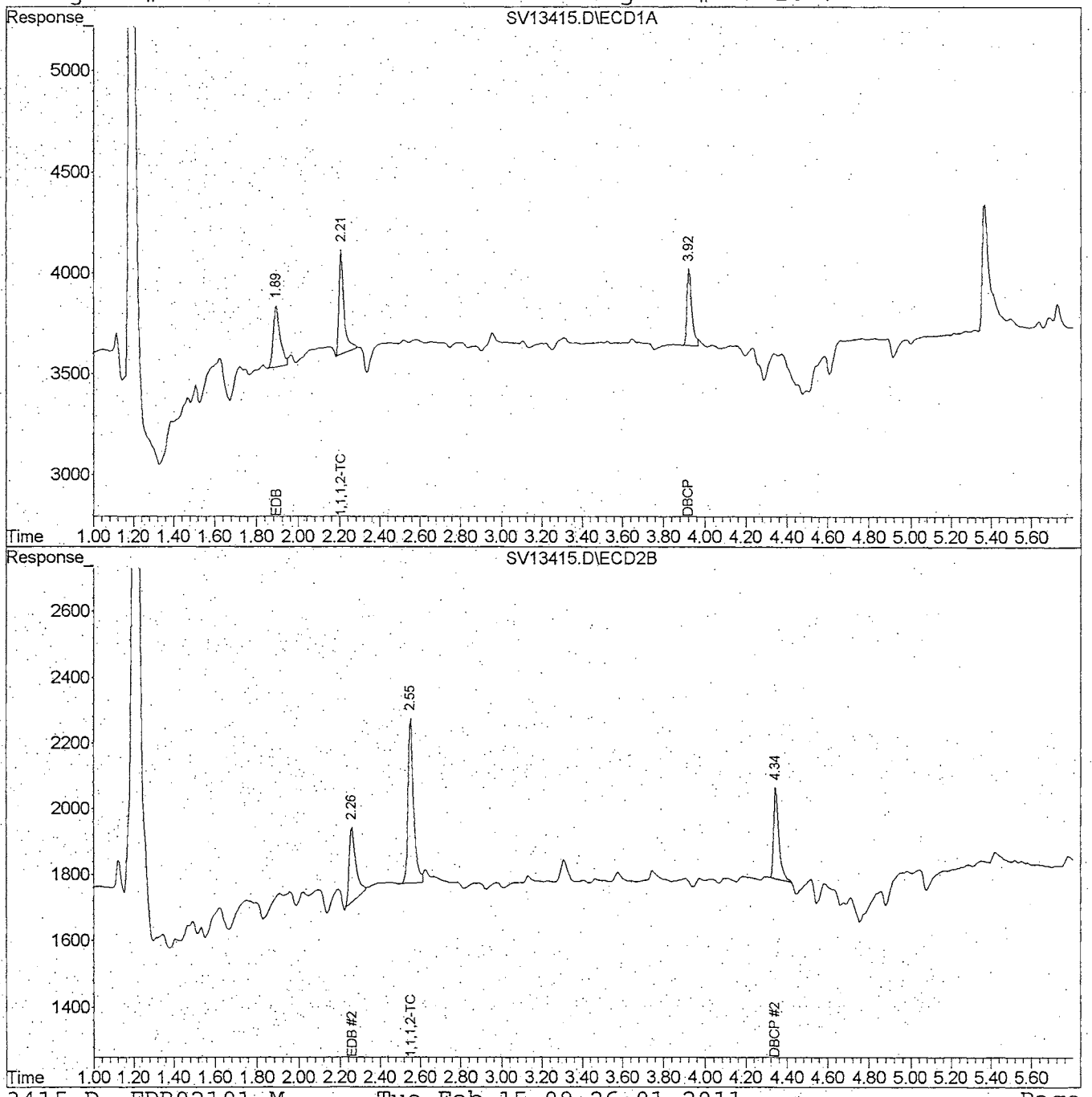
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	8833	9371	0.094m	0.080
Spiked Amount 0.100	Range 65 - 135		Recovery =		94.00%	80.00%
Target Compounds						
1) TM EDB	1.89	2.26	6482	5170	0.072	0.083m
3) TM DBCP	3.92	4.35	5905	4784	0.089m	0.096

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13415.D\ECD1A.CH Vial: 23
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13415.D\ECD2B.CH
Acq On : 10 Feb 2011 12:28 pm Operator:
Sample : EDB 0.075ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:17 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 10 13:09:27 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13416.D\ECD1A.CH Vial: 24
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13416.D\ECD2B.CH
Acq On : 10 Feb 2011 12:43 pm Operator:
Sample : EDB 0.10ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:17 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 10 13:09:59 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	11411	13378	0.119m	0.114
Spiked Amount 0.100	Range 65 - 135		Recovery =		119.00%	114.00%
Target Compounds						
1) TM EDB	1.89	2.26	8598	6757	0.115	0.112
3) TM DBCP	3.92	4.35	8146	6949	0.122m	0.126

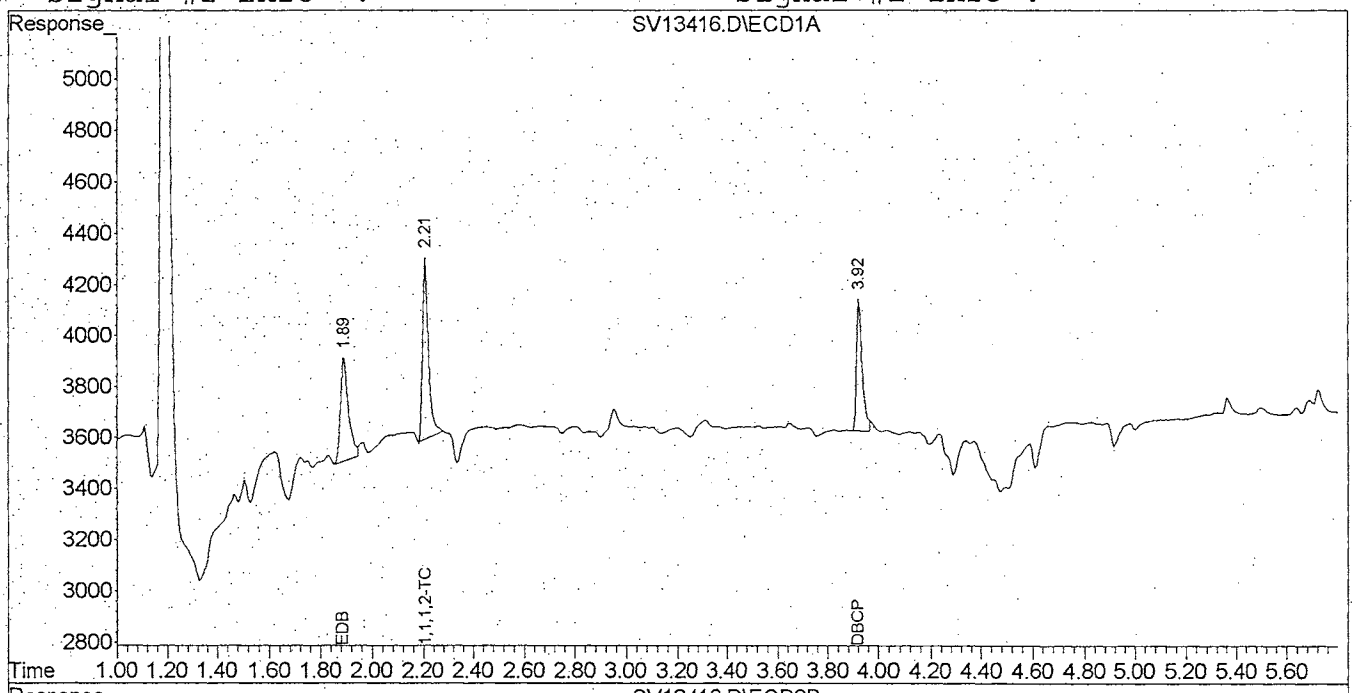
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

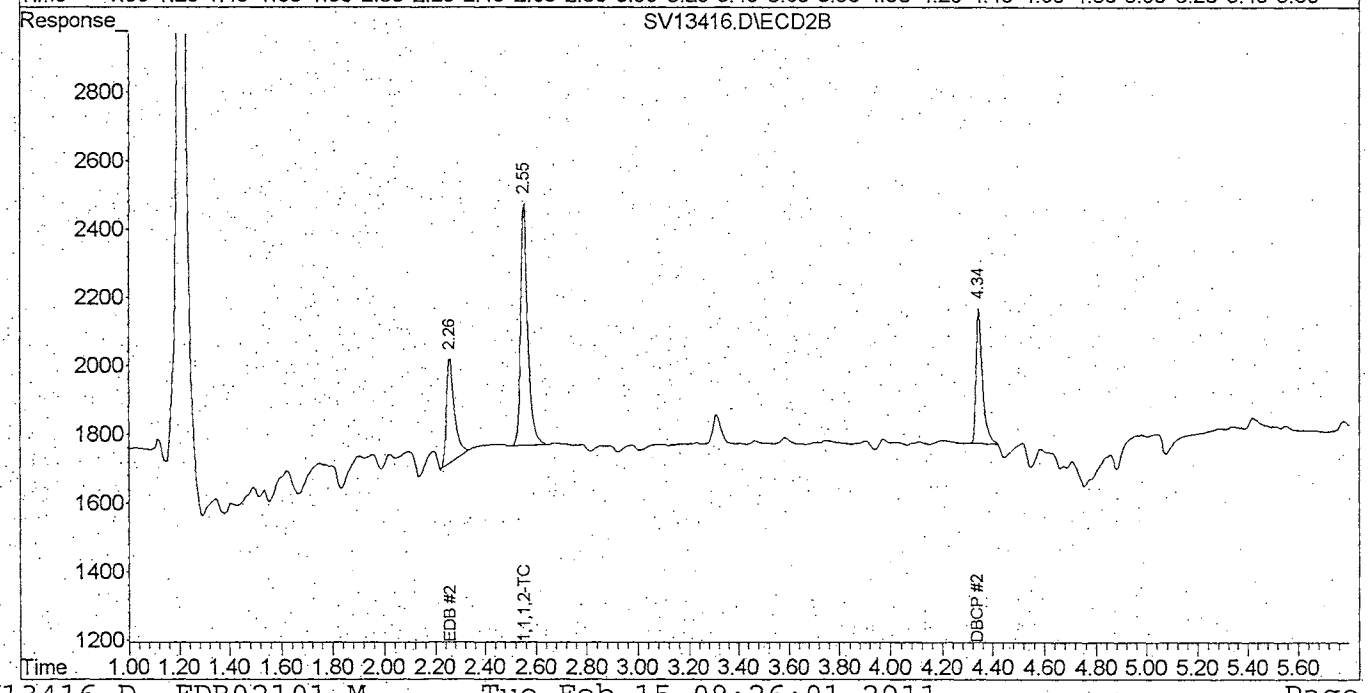
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13416.D\ECD1A.CH Vial: 24
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13416.D\ECD2B.CH
Acq On : 10 Feb 2011 12:43 pm Operator:
Sample : EDB 0.10ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:17 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 10 13:09:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13417.D\ECD1A.CH Vial: 25
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13417.D\ECD2B.CH
Acq On : 10 Feb 2011 12:58 pm Operator:
Sample : EDB 0.25ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:15 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 10 13:10:23 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	25721	30953	0.266	0.267
Spiked Amount 0.100	Range 65 - 135		Recovery =		266.00%#	267.00%#
Target Compounds						
1) TM EDB	1.89	2.26	16463	14952	0.270m	0.272
3) TM DBCP	3.93	4.35	19249	16091	0.299	0.351

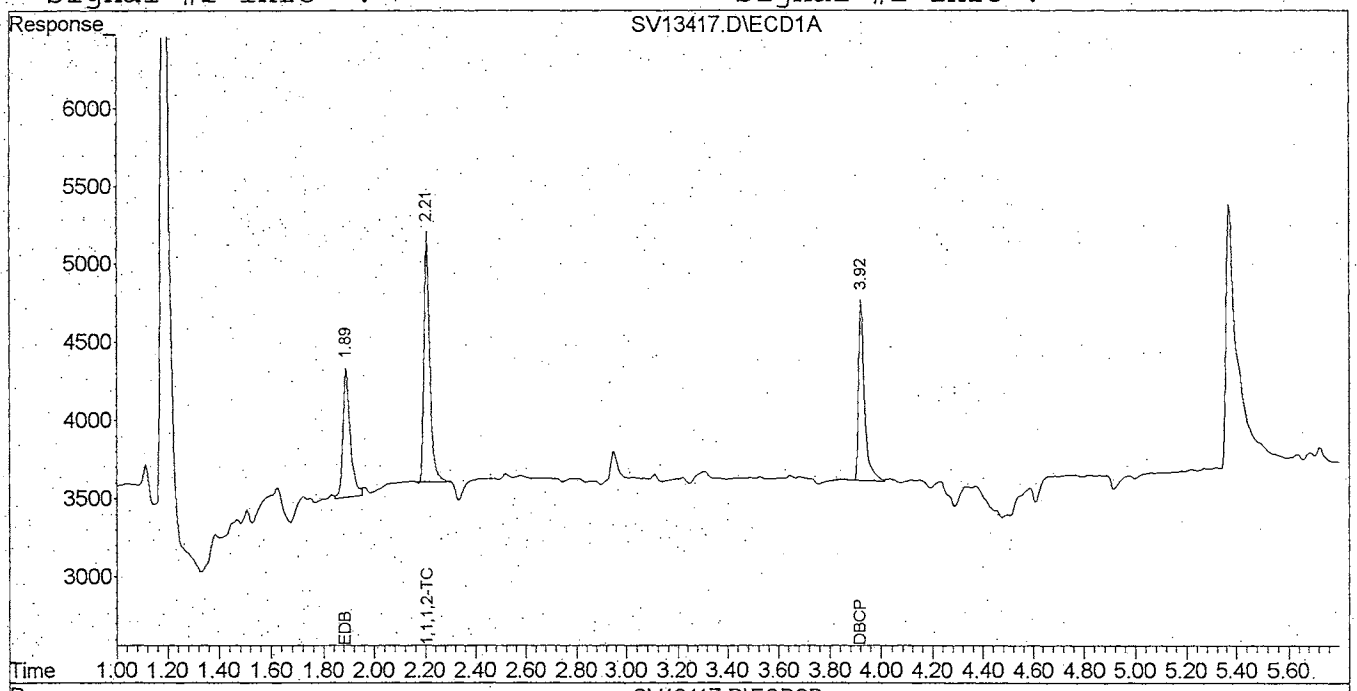
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

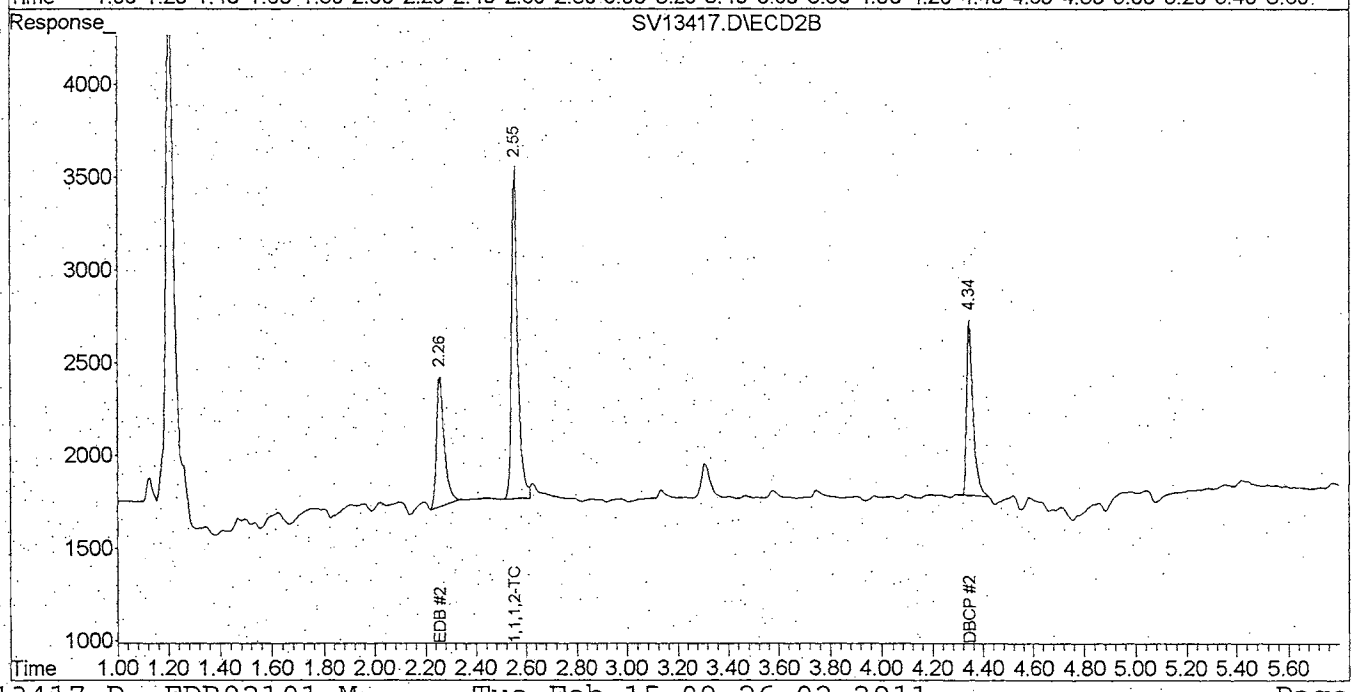
Quantitation Report (QT Reviewed)

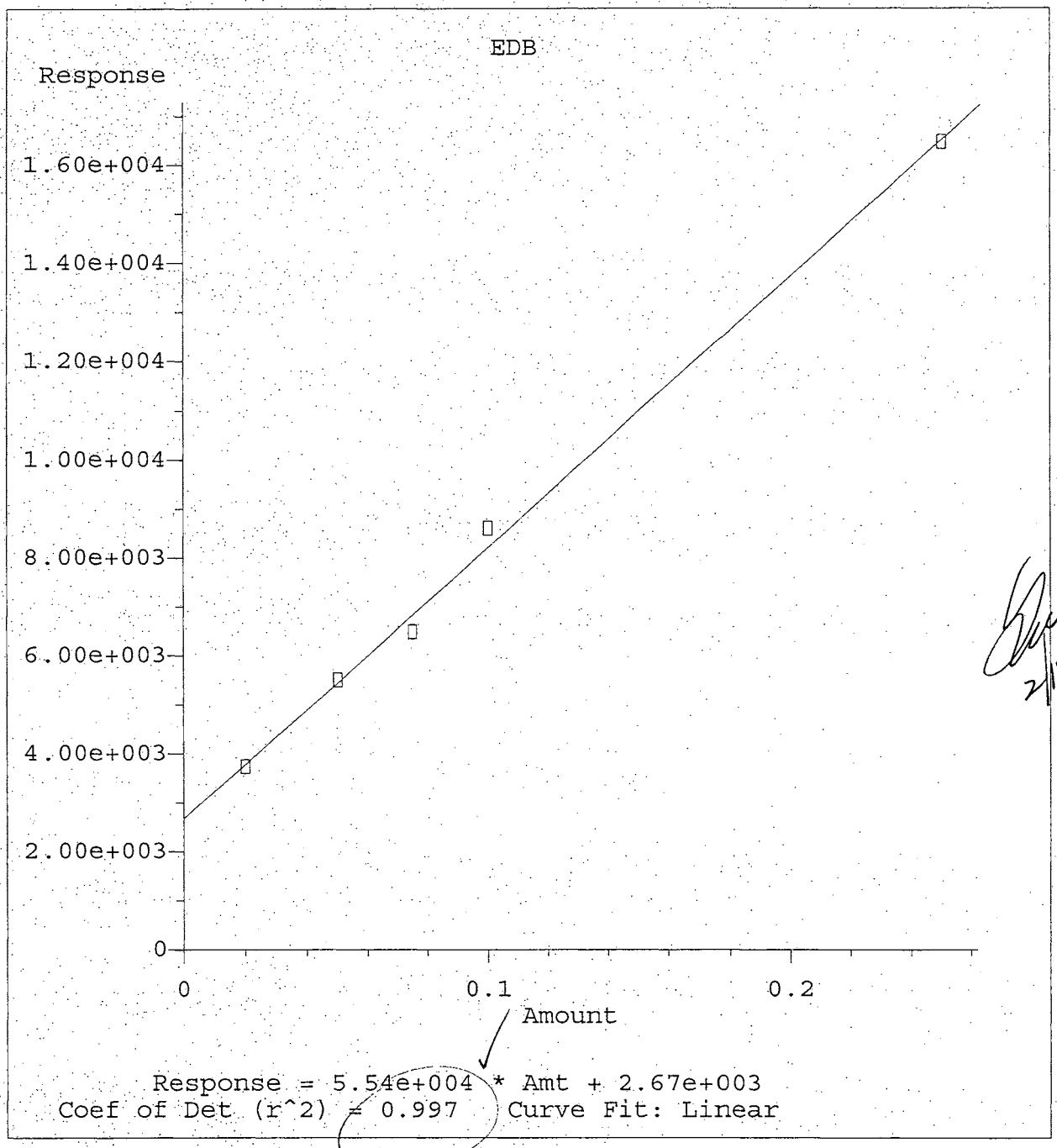
Signal #1 : D:\HPCHEM\1\DATA\021011\SV13417.D\ECD1A.CH Vial: 25
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13417.D\ECD2B.CH
Acq On : 10 Feb 2011 12:58 pm Operator:
Sample : EDB 0.25ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:15 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 10 13:10:23 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

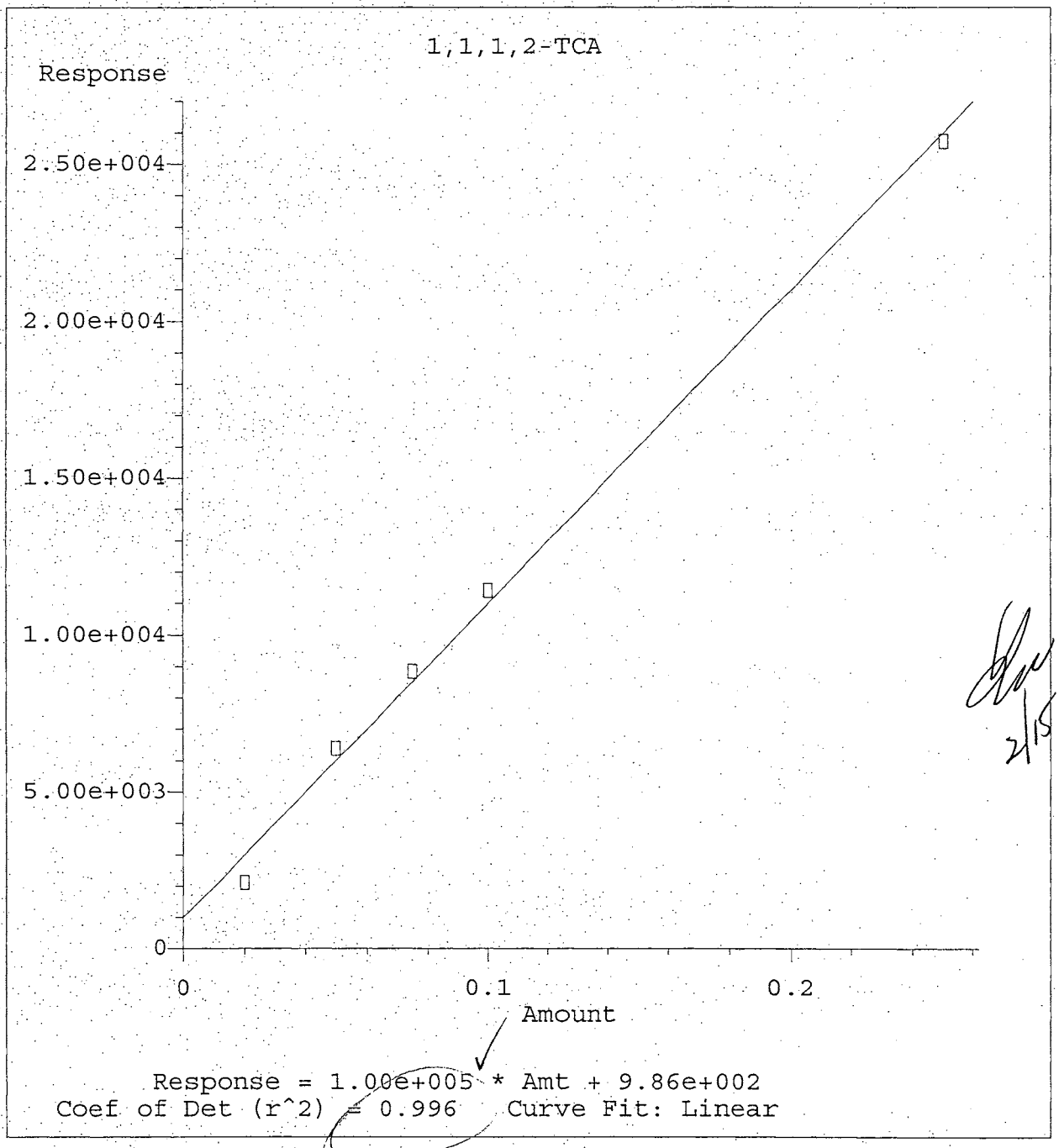






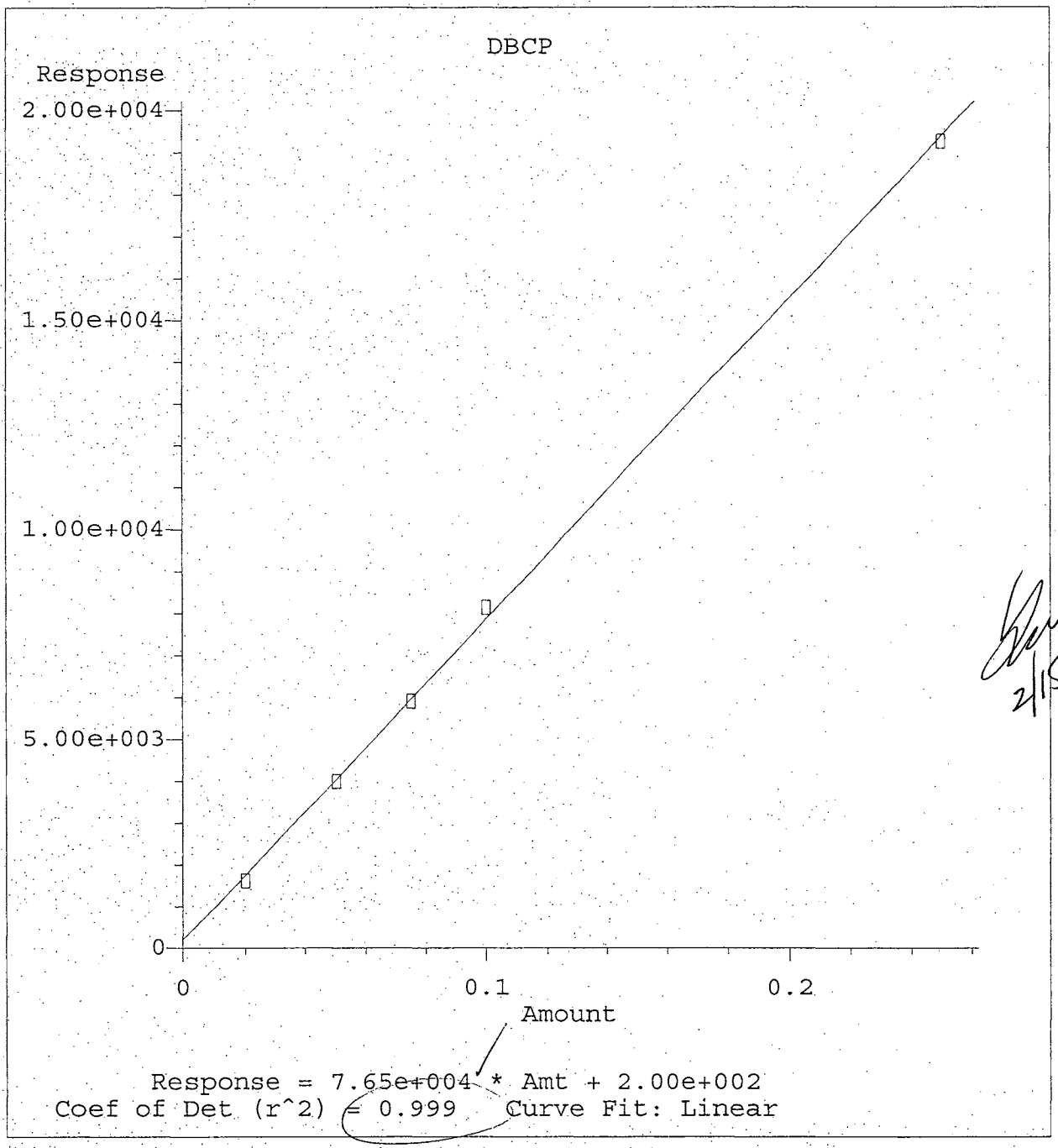
2/15/11

Method Name: D:\HPCHEM\1\METHODS\EDB02101.M
Calibration Table Last Updated: Tue Feb 15 09:18:09 2011



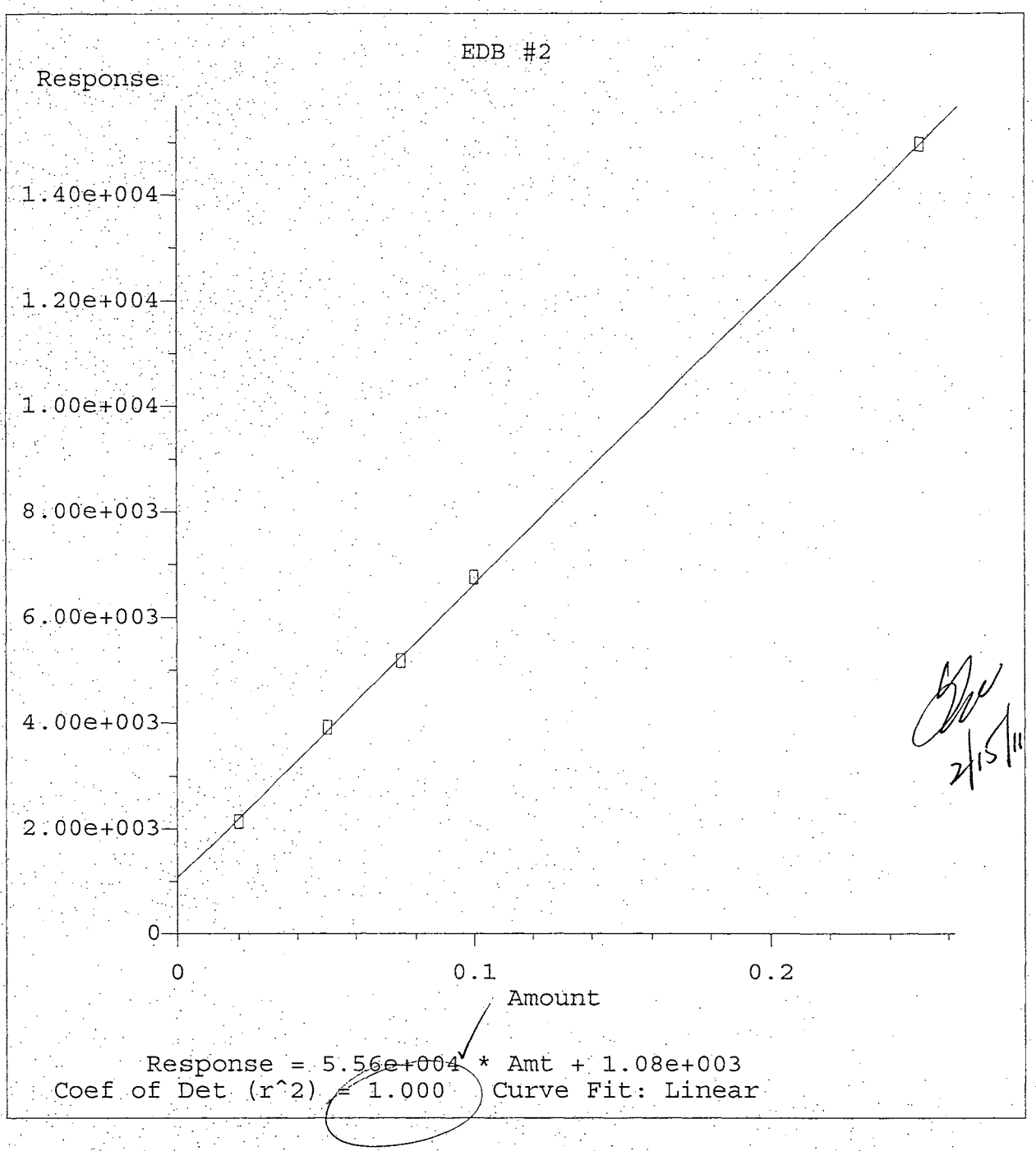
2/15/11

Method Name: D:\HPCHEM\1\METHODS\EDB02101.M
Calibration Table Last Updated: Tue Feb 15 09:18:09 2011



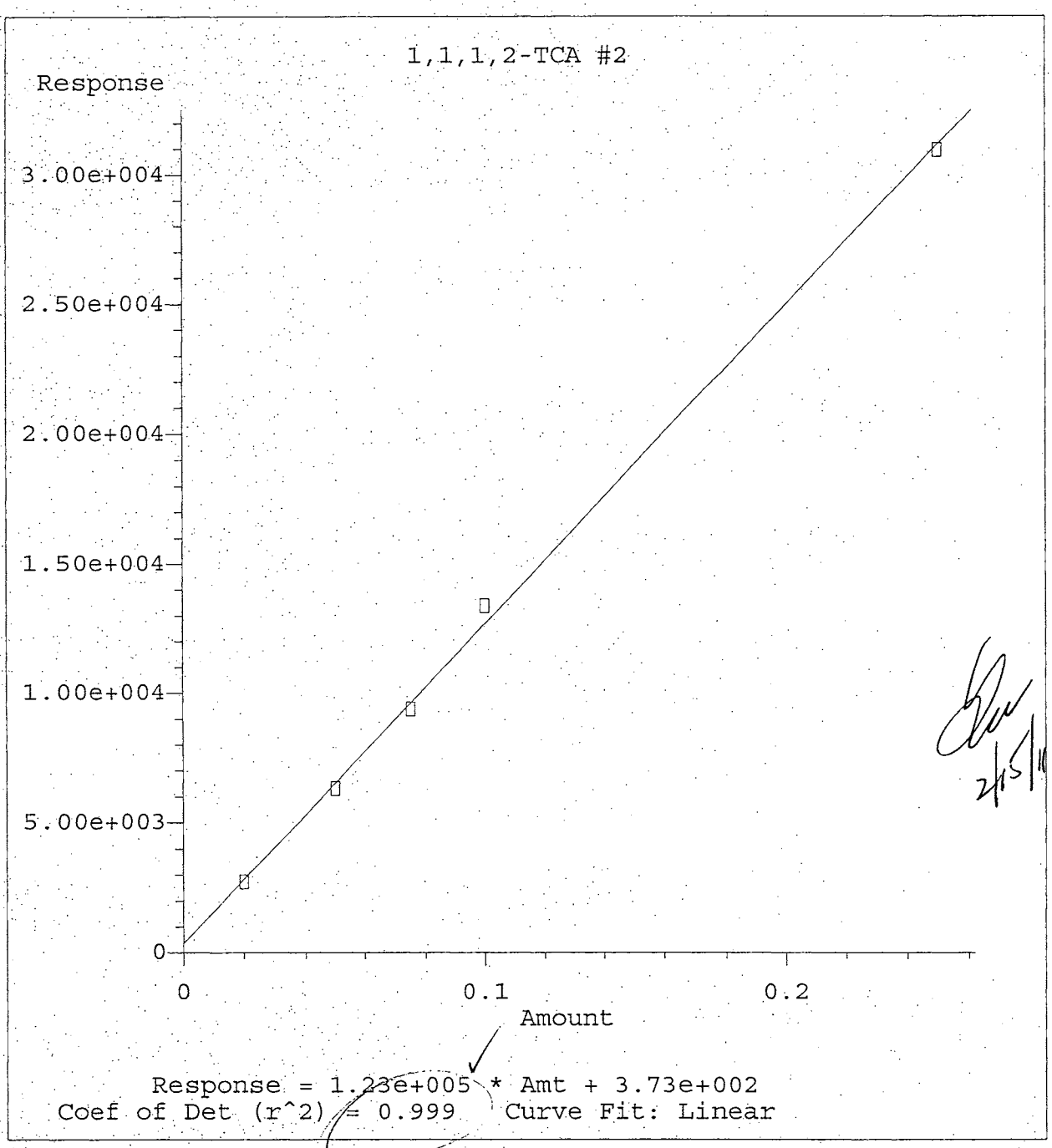
2/15/11

Method Name: D:\HPCHEM\1\METHODS\EDB02101.M
Calibration Table Last Updated: Tue Feb 15 09:18:09 2011

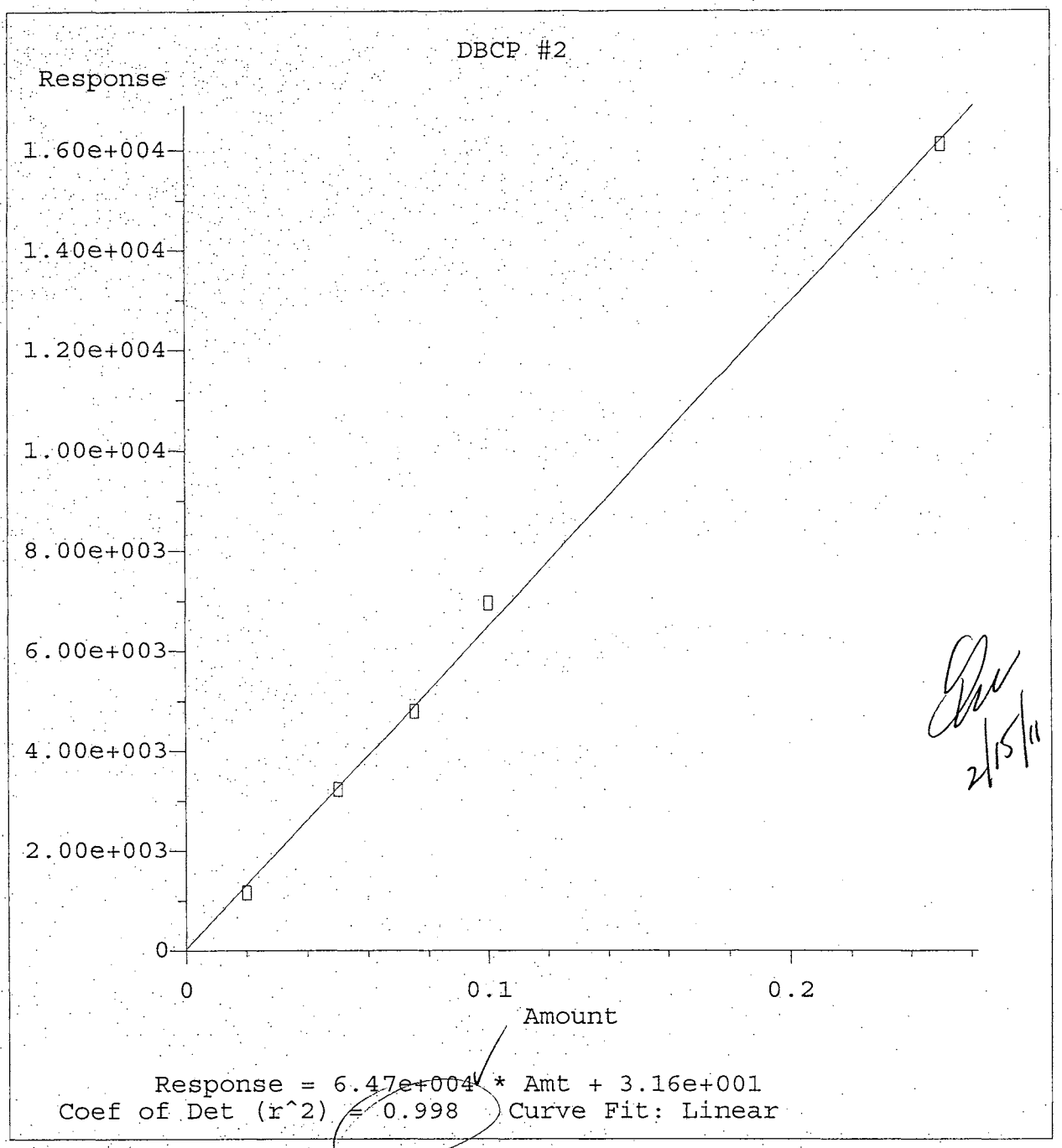


2/15/11

Method Name: D:\HPCHEM\1\METHODS\EDB02101.M
Calibration Table Last Updated: Tue Feb 15 09:18:09 2011



Method Name: D:\HPCHEM\1\METHODS\EDB02101.M
Calibration Table Last Updated: Tue Feb 15 09:18:09 2011



2/15/11

Method Name: D:\HPCHEM\1\METHODS\EDB02101.M
Calibration Table Last Updated: Tue Feb 15 09:18:09 2011

Spike Recovery and RPD Summary Report - WATER

Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration

Non-Spiked Sample: SV13421B.D

	Spike Sample	Spike Duplicate Sample
File ID :	SV13418V.D	SV13419V.D
Sample :	LCSaA021011EDB1	LCSDA021011EDB1
Acq Time:	10 Feb 2011 1:13 pm	10 Feb 2011 1:28 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
EDB	0.0	0	0	0	125	110	13	20	70-130
DBCP	0.0	0	0	0	127	117	8	20	70-130
EDB #2	0.0	0	0	0	121	109	10	20	70-130
DBCP #2	0.0	0	0	0	125	107	15	20	70-130

- Fails Limit Check

EDB02101.M Tue Feb 15 09:29:08 2011

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13418V.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13418V.D\ECD2B.CH
Acq On : 10 Feb 2011 1:13 pm Operator:
Sample : LCSaA021011EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:20 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

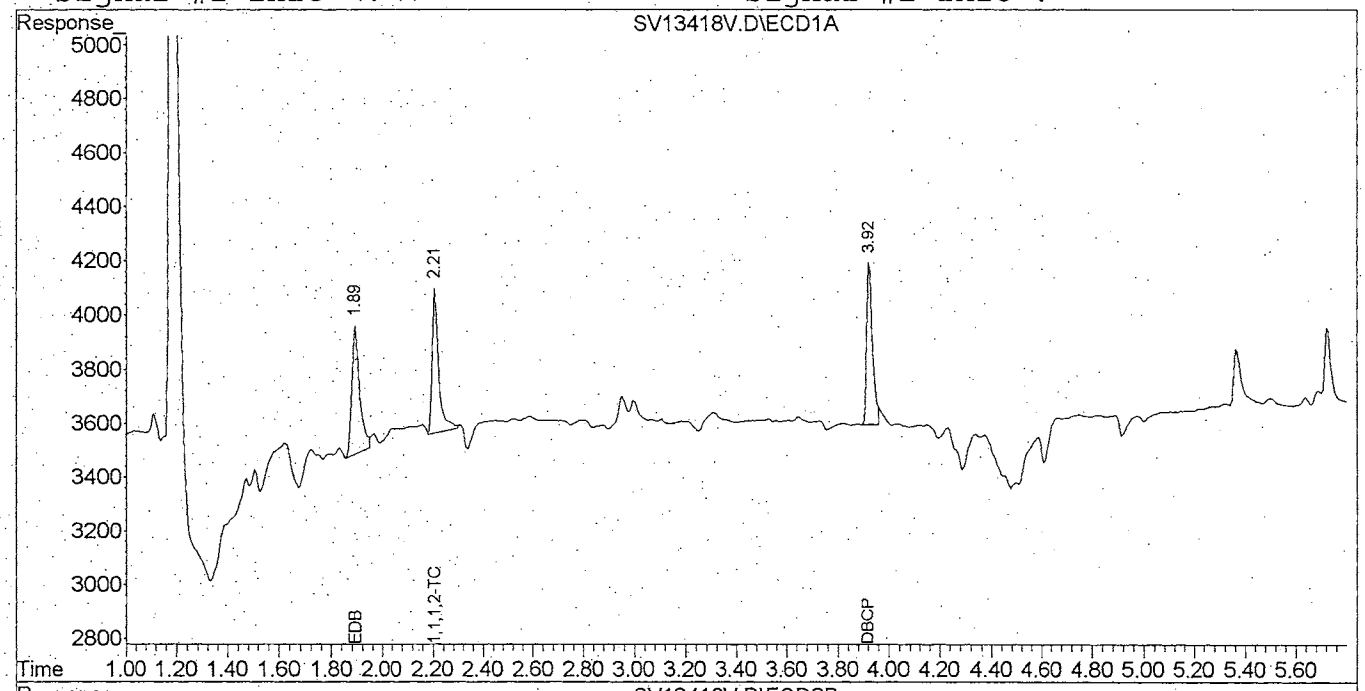
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	9204	9450	0.082m	0.074
Spiked Amount 0.100	Range 65 - 135		Recovery =		82.00%	74.00%
Target Compounds						
1) TM EDB	1.89	2.26	9610	7792	0.125	0.121
3) TM DBCP	3.92	4.35	9922	8106	0.127m	0.125

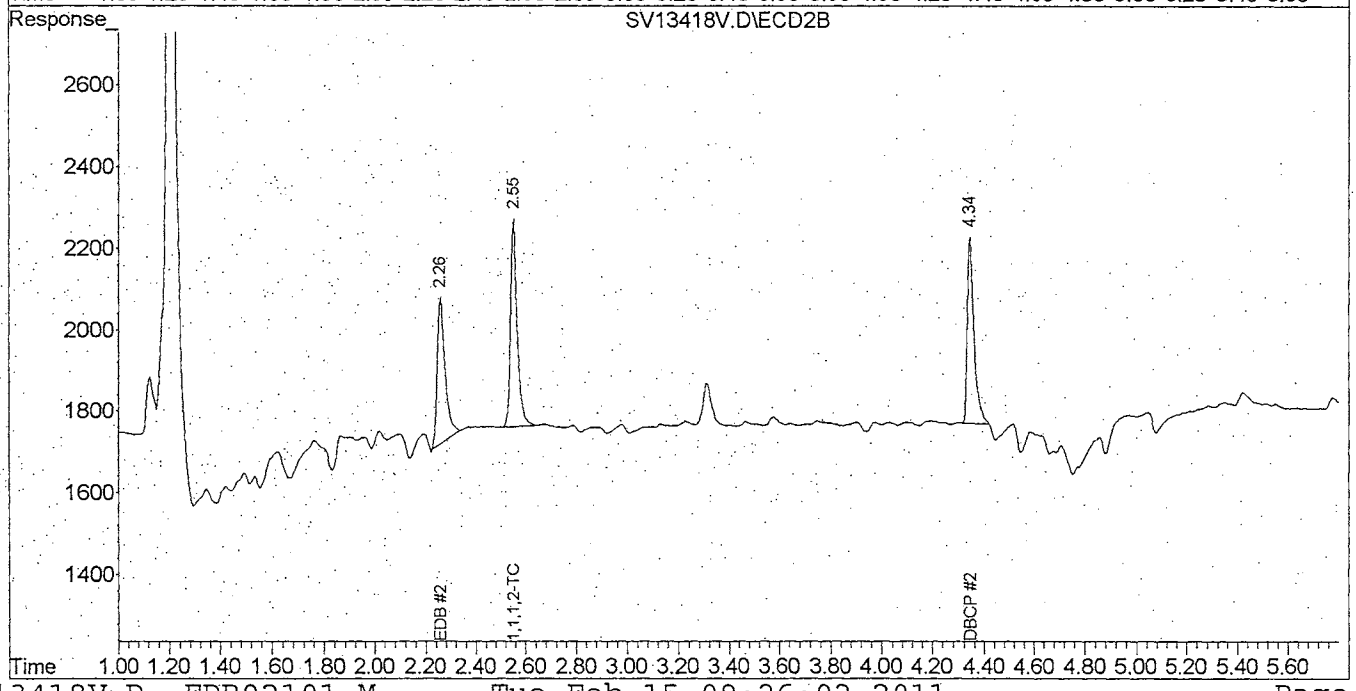
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13418V.D\ECD1A.CH Vial: 1
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13418V.D\ECD2B.CH
Acq On : 10 Feb 2011 1:13 pm Operator:
Sample : LCSaA021011EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:20 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13419V.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13419V.D\ECD2B.CH
Acq On : 10 Feb 2011 1:28 pm Operator:
Sample : LCSDA021011EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:20 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

2/15/11

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	8929	9773	0.079m	0.076
Spiked Amount 0.100	Range 65 - 135		Recovery =		79.00%	76.00%
Target Compounds						
1) TM EDB	1.89	2.26	8773	7128	0.110	0.109
3) TM DBCP	3.93	4.35	9160	6974	0.117	0.107

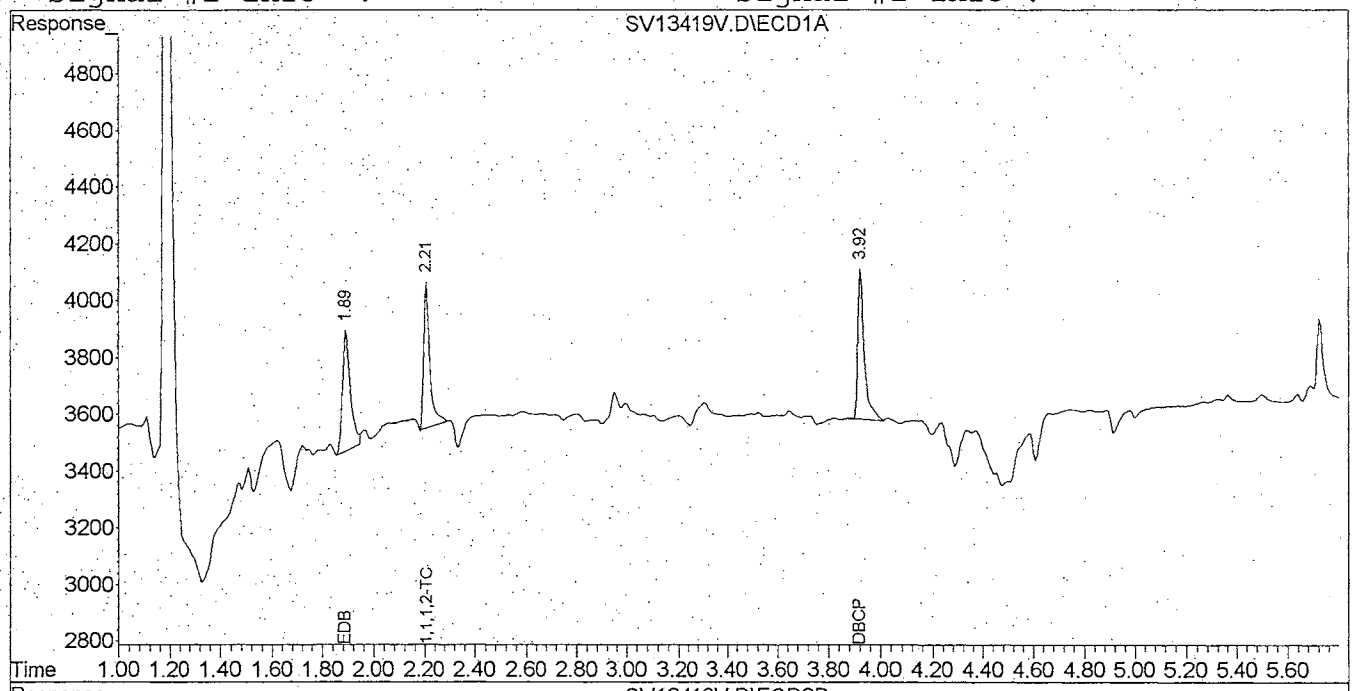
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

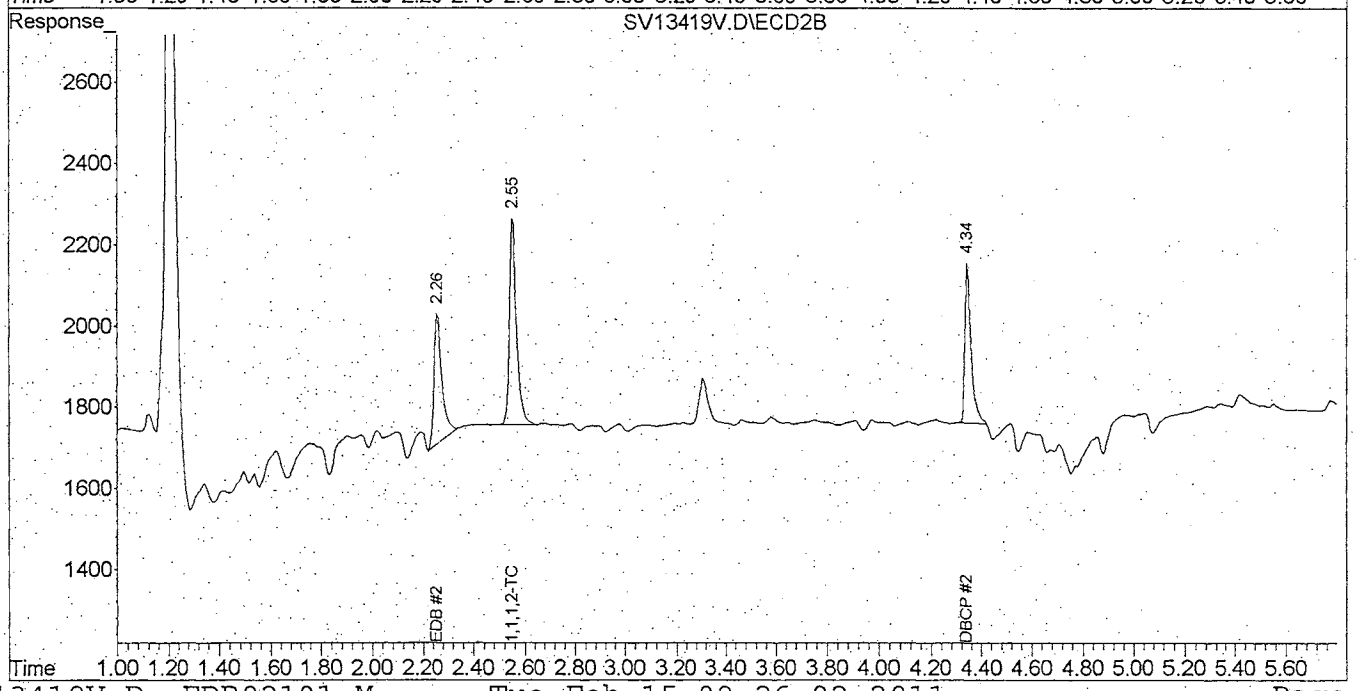
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13419V.D\ECD1A.CH Vial: 2
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13419V.D\ECD2B.CH
Acq On : 10 Feb 2011 1:28 pm Operator:
Sample : LCSDA021011EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:20 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP MDL CHECK REPORT

Sample Name MDLaA021011EDB1
Data File Name SV13420.D
Date Acquired 2/10/2011 1:43

2/15/11

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (60-140%)
1,1,1,2-TCA					0.096	96%	Pass
EDB	1.895	1.892	0.0200	Pass	0.021	106%	Pass
DBCP	3.921	3.925	0.0200	Pass	0.026	129%	Pass
1,1,1,2-TCA #2					0.088	88%	Pass
EDB #2	2.260	2.259	0.0100	Pass	0.027	137%	Pass
DBCP #2	4.345	4.346	0.0100	Pass	0.024	121%	Pass

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13420.D\ECD1A.CH Vial: 3
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13420.D\ECD2B.CH
Acq On : 10 Feb 2011 1:43 pm Operator:
Sample : MDLaA021011EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:21 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	10621	11199	0.096m	0.088
Spiked Amount 0.100	Range 65 - 135		Recovery =		96.00%	88.00%
Target Compounds						
1) TM EDB	1.90	2.26	3839	2603	0.021	0.027m#
3) TM DBCP	3.92	4.35	2179	1602	0.026m	0.024

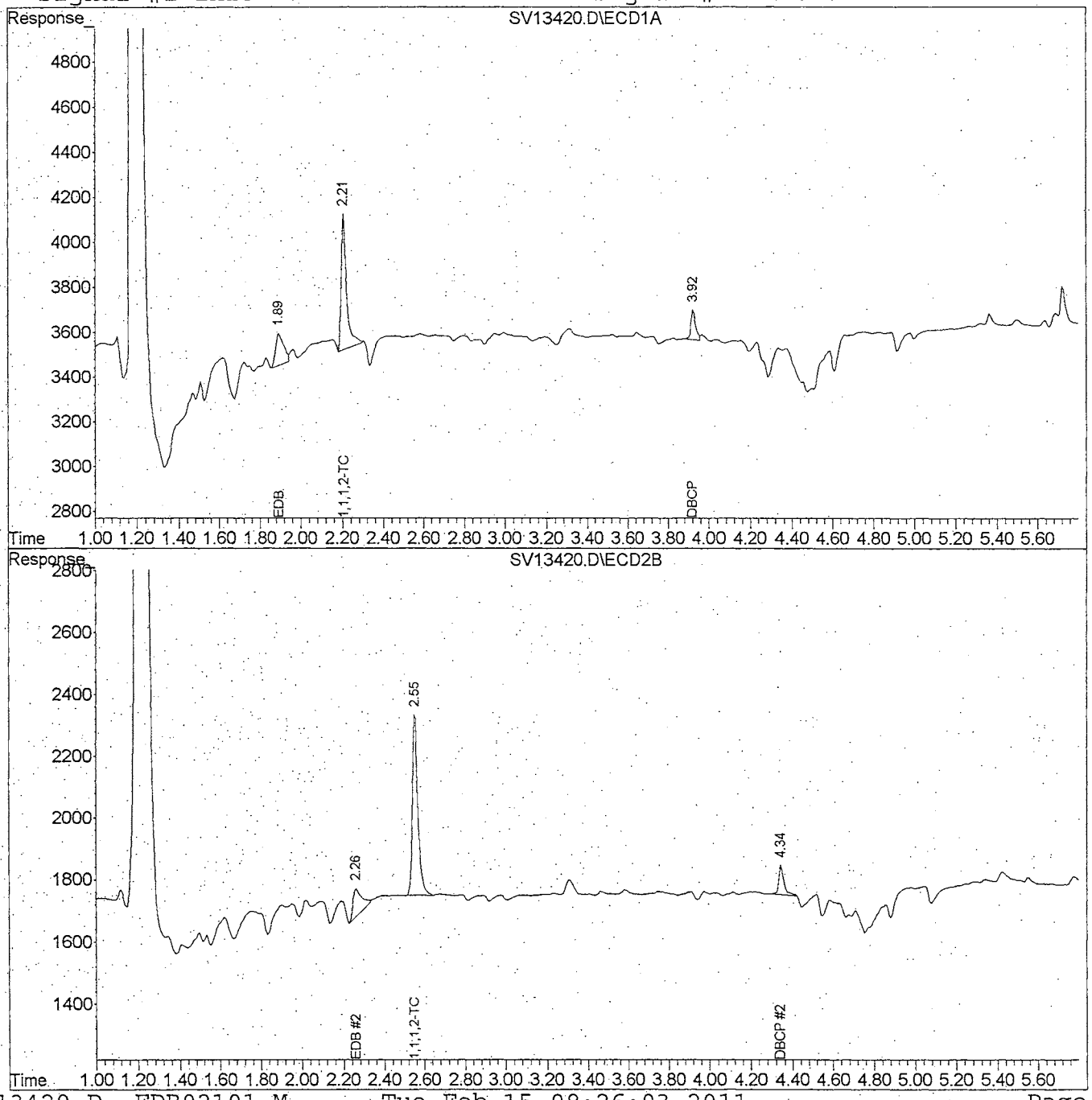
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13420.D\ECD1A.CH Vial: 3
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13420.D\ECD2B.CH
Acq On : 10 Feb 2011 1:43 pm Operator:
Sample : MDLaA021011EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:21 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



EDB/DBCP SAMPLE REPORT

Sample Name BLNKA021011EDB1
Data File Name SV13421B.D
Date Acquired 2/10/2011 1:58

Dilution (1:X) 1

2/15/11

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.094**	**94%**	**Pass**				
EDB	0.0000	1.8920	0.0200	**FAIL**	**-0.048**			0.02			
DBCP	0.0000	3.9251	0.0200	**FAIL**	**-0.003**			0.02			
1,1,1,2-TCA #2					**0.086**	**86%**	**Pass**				
EDB #2	0.0000	2.2594	0.0100	**FAIL**	**-0.019**			0.02			
DBCP #2	0.0000	4.3463	0.0100	**FAIL**	**0.000**			0.02			

ND

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13421B.D\ECD1A.CH Vial: 4
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13421B.D\ECD2B.CH
Acq On : 10 Feb 2011 1:58 pm Operator:
Sample : BLNKA021011EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:21 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

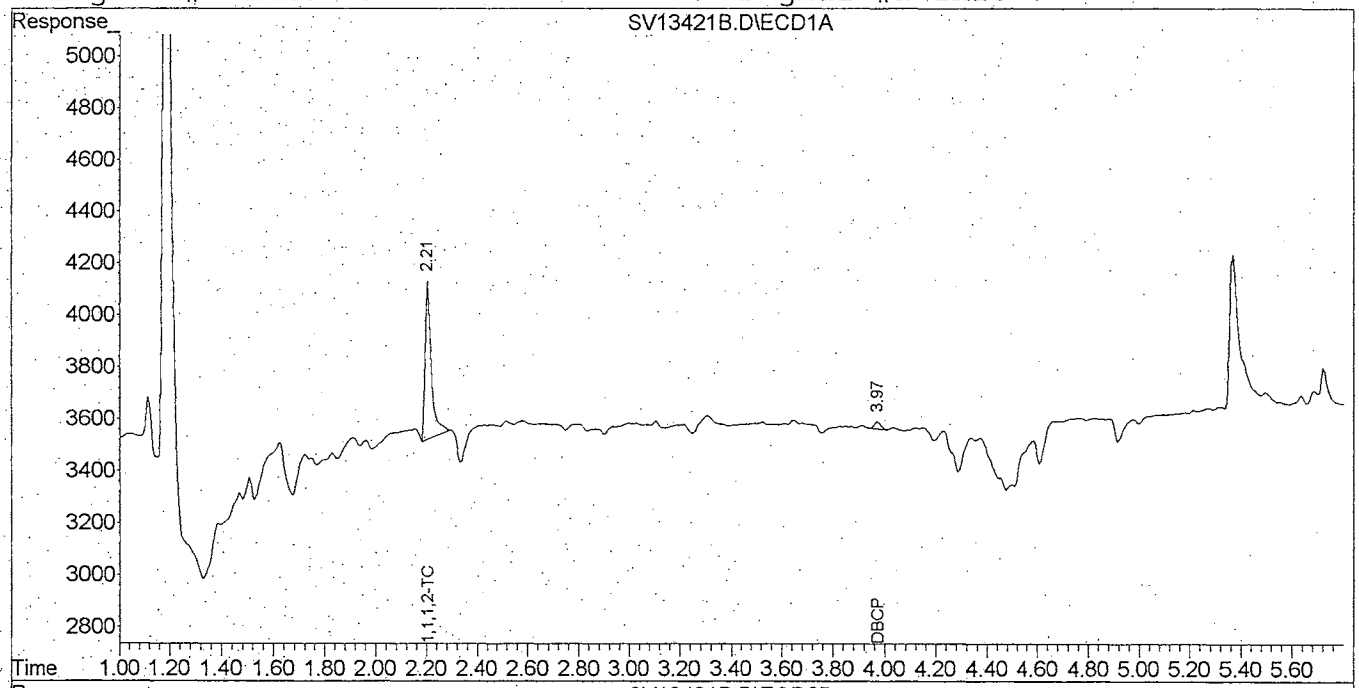
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	10425	10995	0.094m	0.086
Spiked Amount 0.100	Range 65 - 135		Recovery =		94.00%	86.00%
Target Compounds						
1) TM EDB	1.92	0.00	2105	0	N.D.	N.D.
3) TM DBCP	3.97	0.00	525	0	0.004	N.D. #

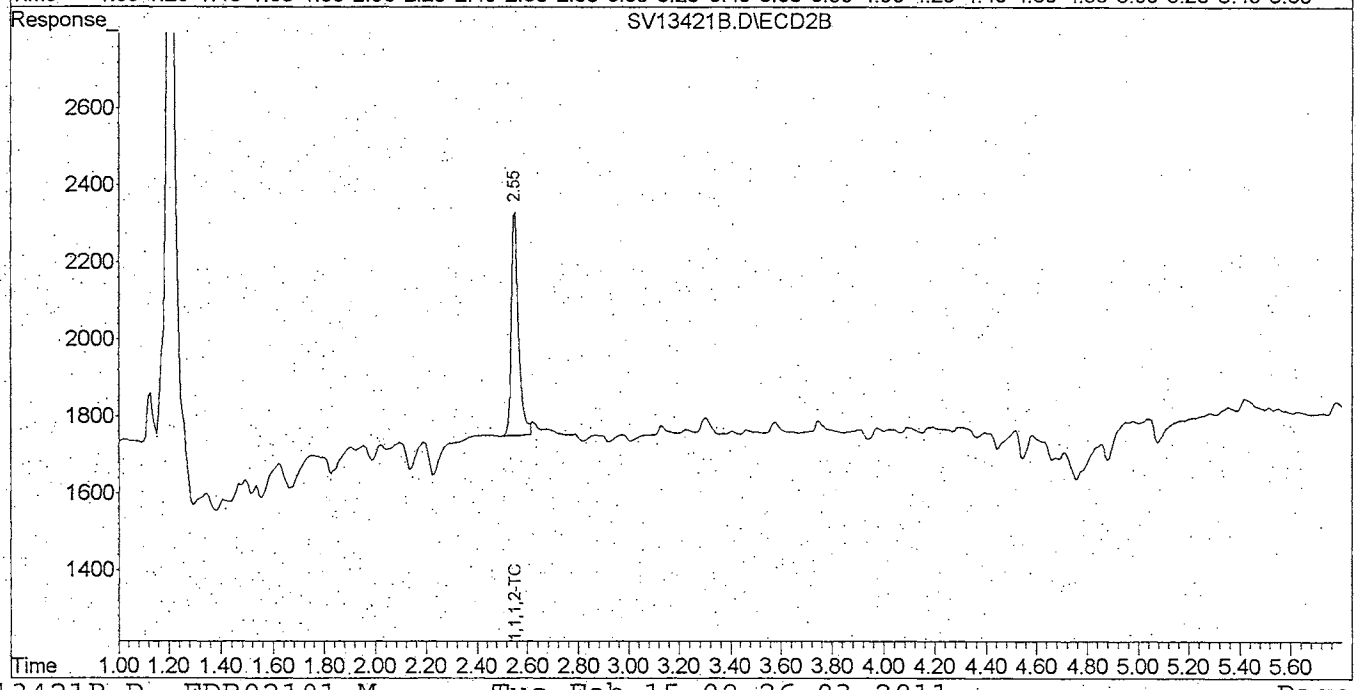
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13421B.D\ECD1A.CH Vial: 4
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13421B.D\ECD2B.CH
Acq On : 10 Feb 2011 1:58 pm Operator:
Sample : BLNKA021011EDB1 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:21 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

2/15/11

Sample Name 96745.02
Data File Name SV13423.D
Date Acquired 2/10/2011 2:43

Dilution (1:X) 1

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.085**	**85%**	**Pass**				
EDB	0.0000	1.8920	0.0200	**FAIL**	**-0.048**			0.02			
DBCP	0.0000	3.9251	0.0200	**FAIL**	**-0.003**			0.02			
1,1,1,2-TCA #2					**0.079**	**79%**	**Pass**				
EDB #2	0.0000	2.2594	0.0100	**FAIL**	**-0.019**			0.02			
DBCP #2	0.0000	4.3463	0.0100	**FAIL**	**0.000**			0.02			

NB

02161

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13423.D\ECD1A.CH Vial: 6
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13423.D\ECD2B.CH
Acq On : 10 Feb 2011 2:43 pm Operator:
Sample : 96745.02 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:22 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

2/15/11

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	9484	10097	0.085m	0.079
Spiked Amount 0.100	Range 65 - 135		Recovery =		85.00%	79.00%
Target Compounds						
1) TM EDB	1.92	0.00	2386	0	N.D.	N.D.
3) TM DBCP	3.97	0.00	985	0	0.010	N.D. #

02/16/11

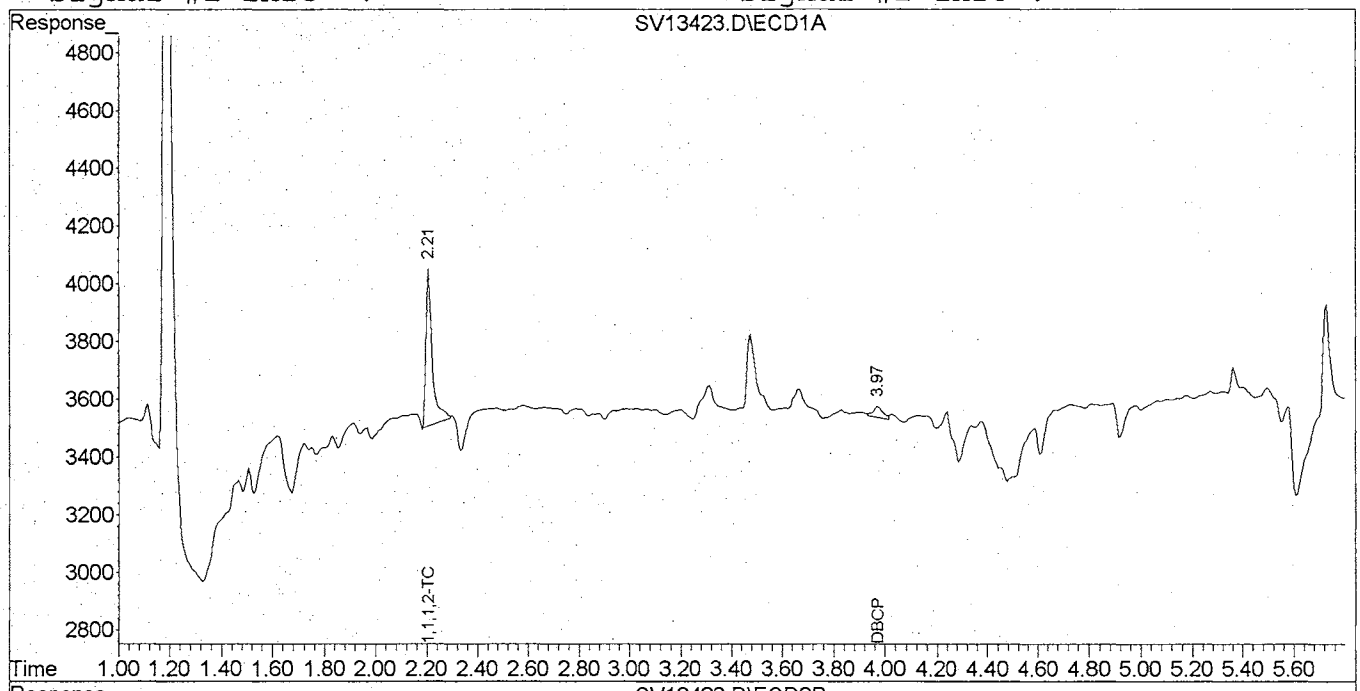
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

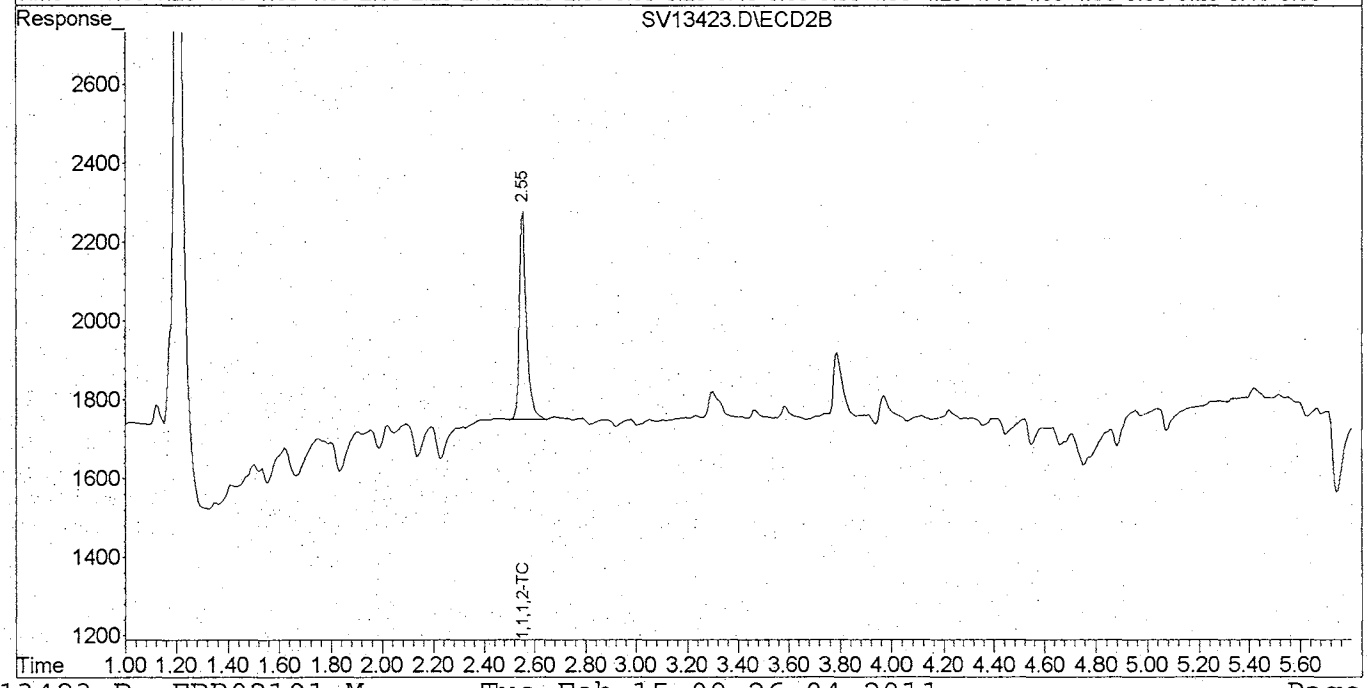
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13423.D\ECD1A.CH Vial: 6
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13423.D\ECD2B.CH
Acq On : 10 Feb 2011 2:43 pm Operator:
Sample : 96745.02 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:22 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Spike Recovery and RPD Summary Report - WATER

Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration

Non-Spiked Sample: SV13423.D

2/15/11

	Spike Sample	Spike Duplicate Sample
File ID :	SV13424.D	SV13425.D
Sample :	MSpkA021011EDB1	MSDA021011EDB1
Acq Time:	10 Feb 2011 3:14 pm	10 Feb 2011 3:29 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
EDB	0.0	0	0	0	93	108	15	20	70-130
DBCP	0.0	0	0	0	97	112	14	20	70-130
EDB #2	0.0	0	0	0	90	106	17	20	70-130
DBCP #2	0.0	0	0	0	90	107	17	20	70-130

- Fails Limit Check

EDB02101.M Tue Feb 15 09:29:31 2011

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13424.D\ECD1A.CH Vial: 7
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13424.D\ECD2B.CH
Acq On : 10 Feb 2011 3:14 pm Operator:
Sample : MSpkA021011EDB1 Inst : ECD
Misc : 96745.02 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:22 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

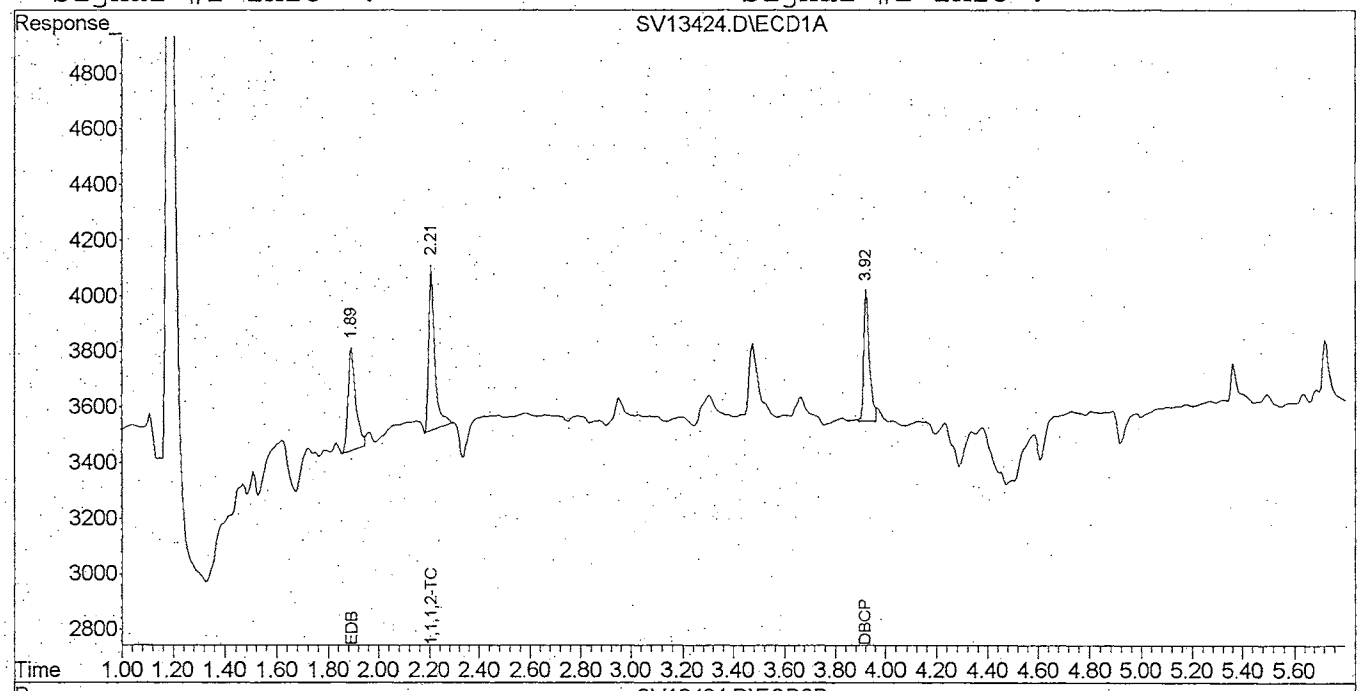
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	10069	11311	0.091m	0.089
Spiked Amount 0.100	Range 65 - 135		Recovery =		91.00%	89.00%
Target Compounds						
1) TM EDB	1.89	2.26	7831	6061	0.093	0.090
3) TM DBCP	3.92	4.35	7661	5852	0.097m	0.090

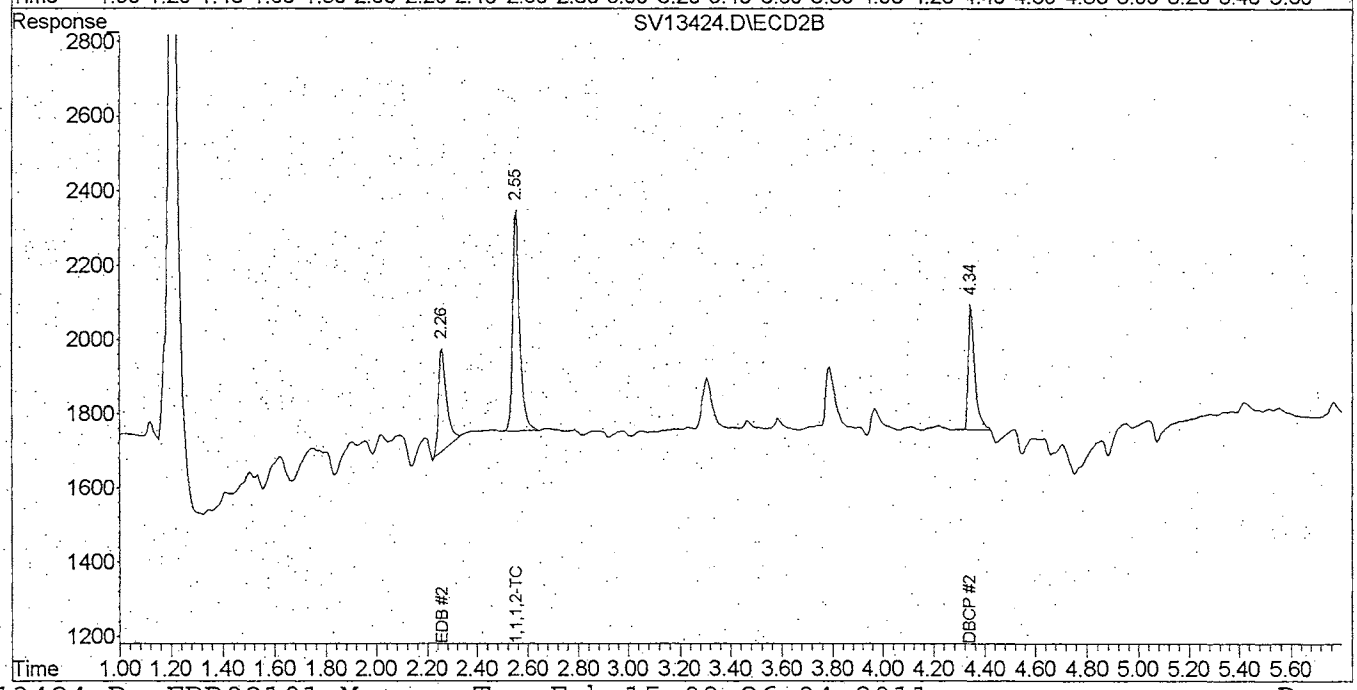
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13424.D\ECD1A.CH Vial: 7
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13424.D\ECD2B.CH
Acq On : 10 Feb 2011 3:14 pm Operator:
Sample : MSpkA021011EDB1 Inst : ECD
Misc : 96745.02 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:22 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13425.D\ECD1A.CH Vial: 8
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13425.D\ECD2B.CH
Acq On : 10 Feb 2011 3:29 pm Operator:
Sample : MSDA021011EDB1 Inst : ECD
Misc : 96745.02 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:22 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	10925	11747	0.099m	0.092
Spiked Amount 0.100	Range 65 - 135		Recovery =		99.00%	92.00%
Target Compounds						
1) TM EDB	1.89	2.26	8649	6997	0.108	0.106
3) TM DBCP	3.92	4.35	8769	6948	0.112m	0.107

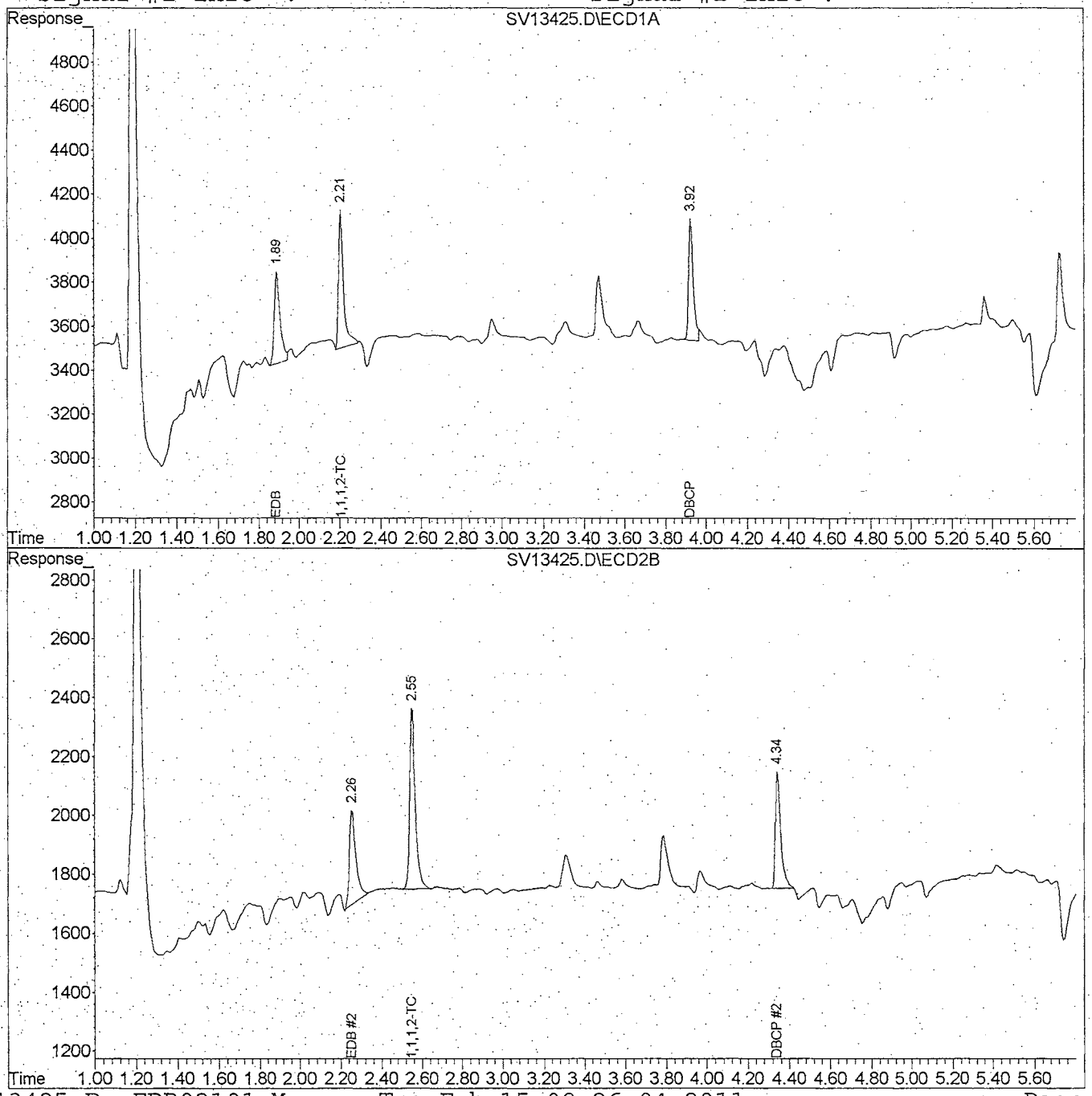
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13425.D\ECD1A.CH Vial: 8
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13425.D\ECD2B.CH
Acq On : 10 Feb 2011 3:29 pm Operator:
Sample : MSDA021011EDB1 Inst : ECD
Misc : 96745.02 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:22 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



EDB/DBCP SAMPLE REPORT

Sample Name 96745.03
Data File Name SV13426.D
Date Acquired 2/10/2011 3:44

Dilution (1:X) 1

2/15/11

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.097**	**97%**	**Pass**				
EDB	1.9165	1.8920	0.0200	**FAIL**	**-0.006**			0.02			
DBCP	3.9737	3.9251	0.0200	**FAIL**	**0.007**			0.02			
1,1,1,2-TCA #2					**0.092**	**92%**	**Pass**				
EDB #2	0.0000	2.2594	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3463	0.0100	**FAIL**	**0.000**			0.02			

ND

02/16/11

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13426.D\ECD1A.CH Vial: 9
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13426.D\ECD2B.CH
Acq On : 10 Feb 2011 3:44 pm Operator:
Sample : 96745.03 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:22 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	10670	11626	0.097m	0.092
Spiked Amount 0.100	Range 65 - 135		Recovery =		97.00%	92.00%
Target Compounds						
1) TM EDB	1.92	0.00	2331	0	N.D.	N.D.
3) TM DBCP	3.97	0.00	699	0	0.007	N.D. #

02/16/11

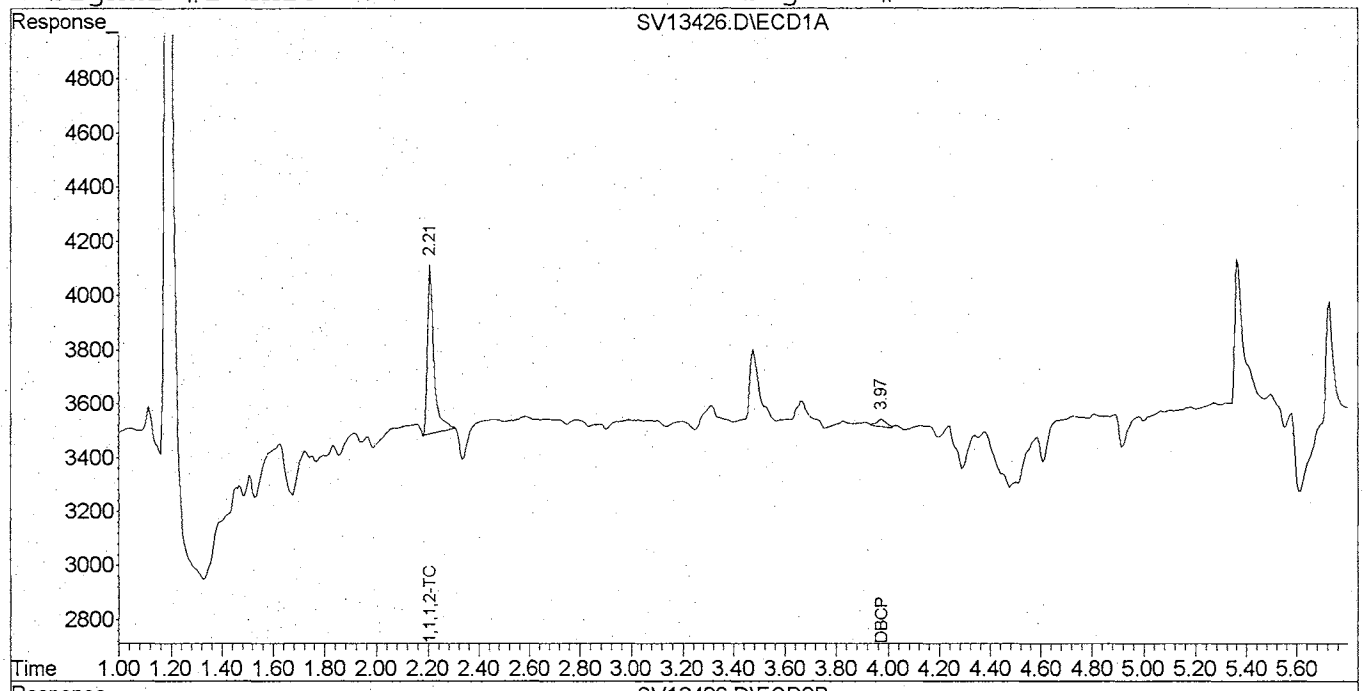
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

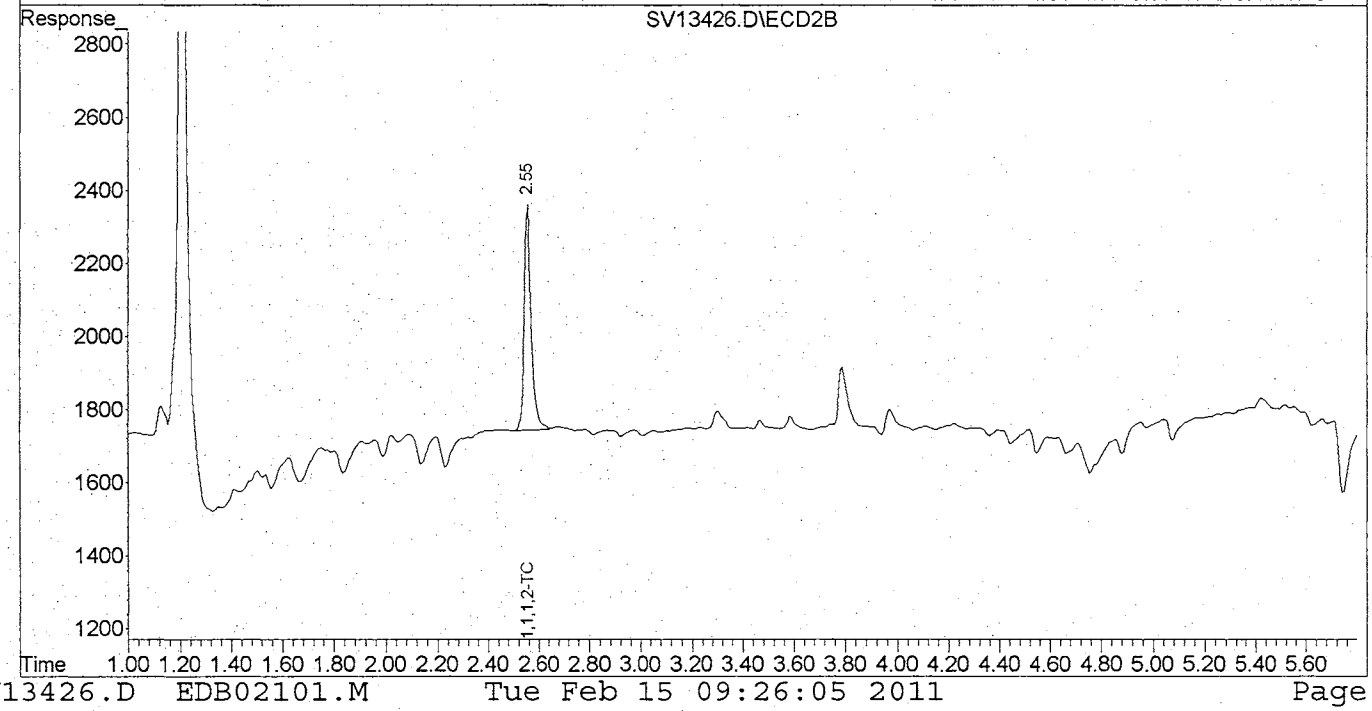
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13426.D\ECD1A.CH Vial: 9
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13426.D\ECD2B.CH
Acq On : 10 Feb 2011 3:44 pm Operator:
Sample : 96745.03 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:22 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 96745.06
Data File Name SV13427.D
Date Acquired 2/10/2011 3:59

Dilution (1:X) 1

2/15/11

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.089**	**89%**	**Pass**				
EDB	1.9158	1.8920	0.0200	**FAIL**	**-0.003**			0.02			
DBCP	3.9739	3.9251	0.0200	**FAIL**	**0.005**			0.02			
1,1,1,2-TCA #2					**0.081**	**81%**	**Pass**				
EDB #2	0.0000	2.2594	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3463	0.0100	**FAIL**	**0.000**			0.02			

ND

02/16/11

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13427.D\ECD1A.CH Vial: 10
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13427.D\ECD2B.CH
Acq On : 10 Feb 2011 3:59 pm Operator:
Sample : 96745.06 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:23 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	9861	10311	0.089m	0.081
Spiked Amount 0.100	Range 65 - 135		Recovery =		89.00%	81.00%
Target Compounds						
1) TM EDB	1.92	0.00	2494	0	N.D.	N.D.
3) TM DBCP	3.97	0.00	558	0	0.005	N.D. #

02/16/11

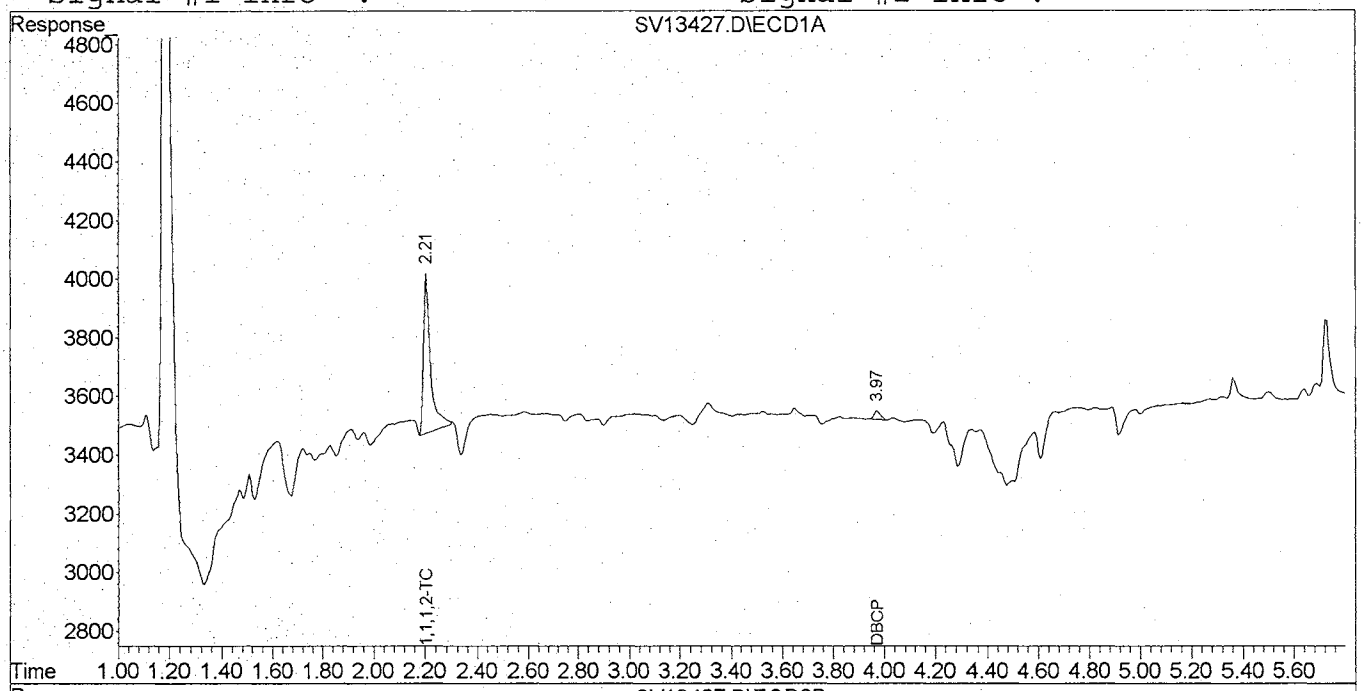
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

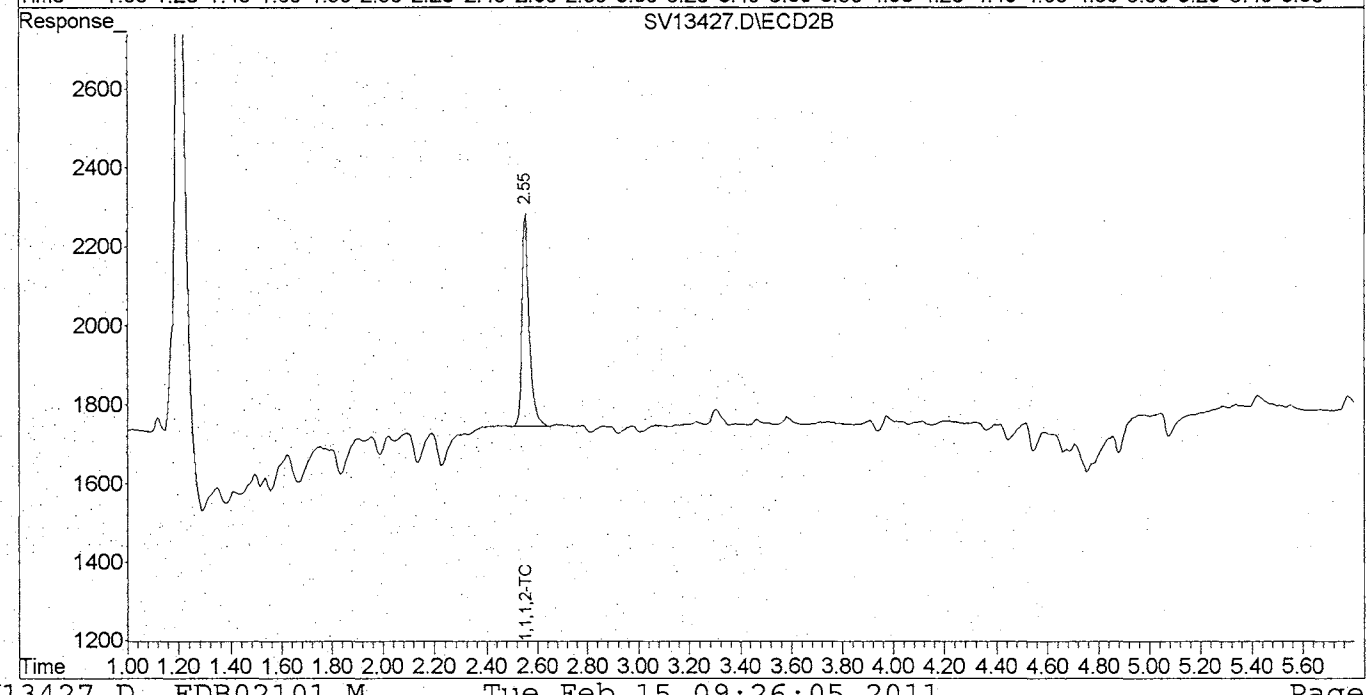
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13427.D\ECD1A.CH Vial: 10
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13427.D\ECD2B.CH
Acq On : 10 Feb 2011 3:59 pm Operator:
Sample : 96745.06 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:23 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 96745.07
Data File Name SV13428.D
Date Acquired 2/10/2011 4:14

Dilution (1:X) 1

2/15/11

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.091**	**91%**	**Pass**				
EDB	1.9158	1.8920	0.0200	**FAIL**	**-0.003**			0.02			
DBCP	3.9733	3.9251	0.0200	**FAIL**	**-0.003**			0.02			
1,1,1,2-TCA #2					**0.084**	**84%**	**Pass**				
EDB #2	0.0000	2.2594	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3463	0.0100	**FAIL**	**0.000**			0.02			

ND

02/16/11

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13428.D\ECD1A.CH Vial: 11
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13428.D\ECD2B.CH
Acq On : 10 Feb 2011 4:14 pm Operator:
Sample : 96745.07 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:23 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	10118	10757	0.091m	0.084
Spiked Amount 0.100	Range 65 - 135		Recovery =		91.00%	84.00%
Target Compounds						
1) TM EDB	1.92	0.00	2497	0	N.D.	N.D.
3) TM DBCP	3.97	0.00	463	0	0.003	N.D. #

02/11/11

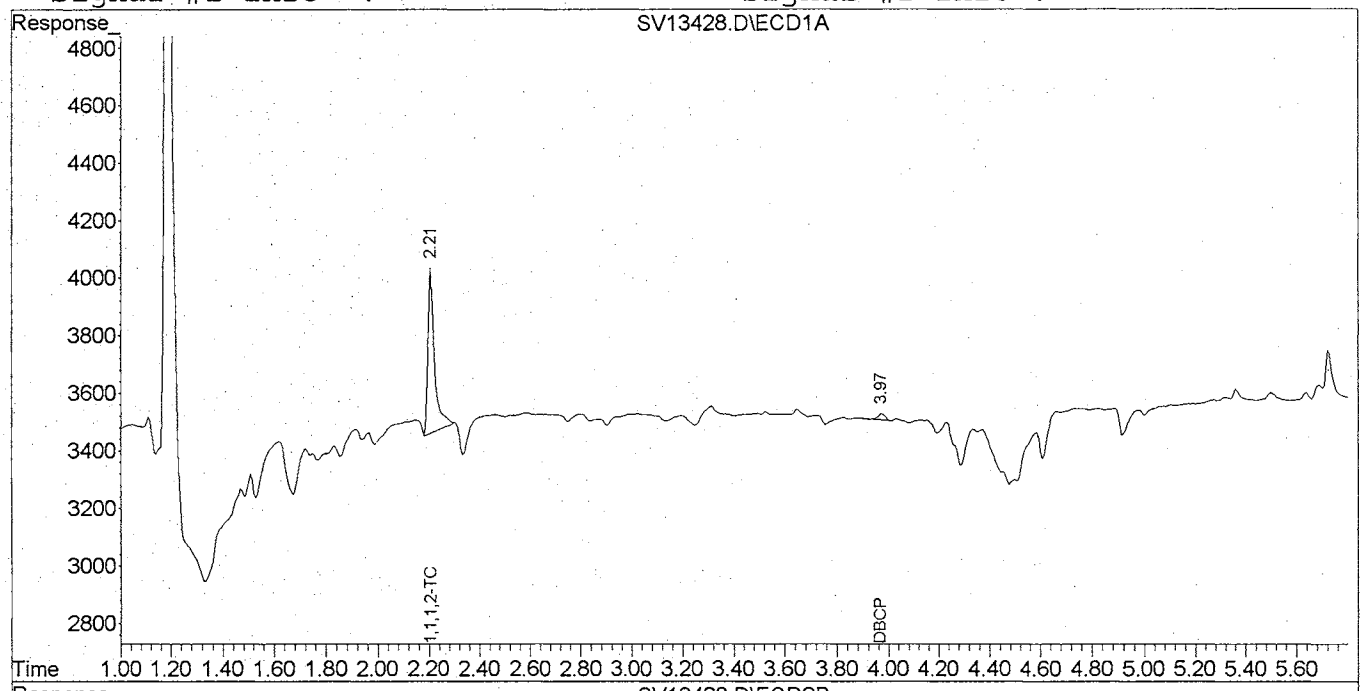
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

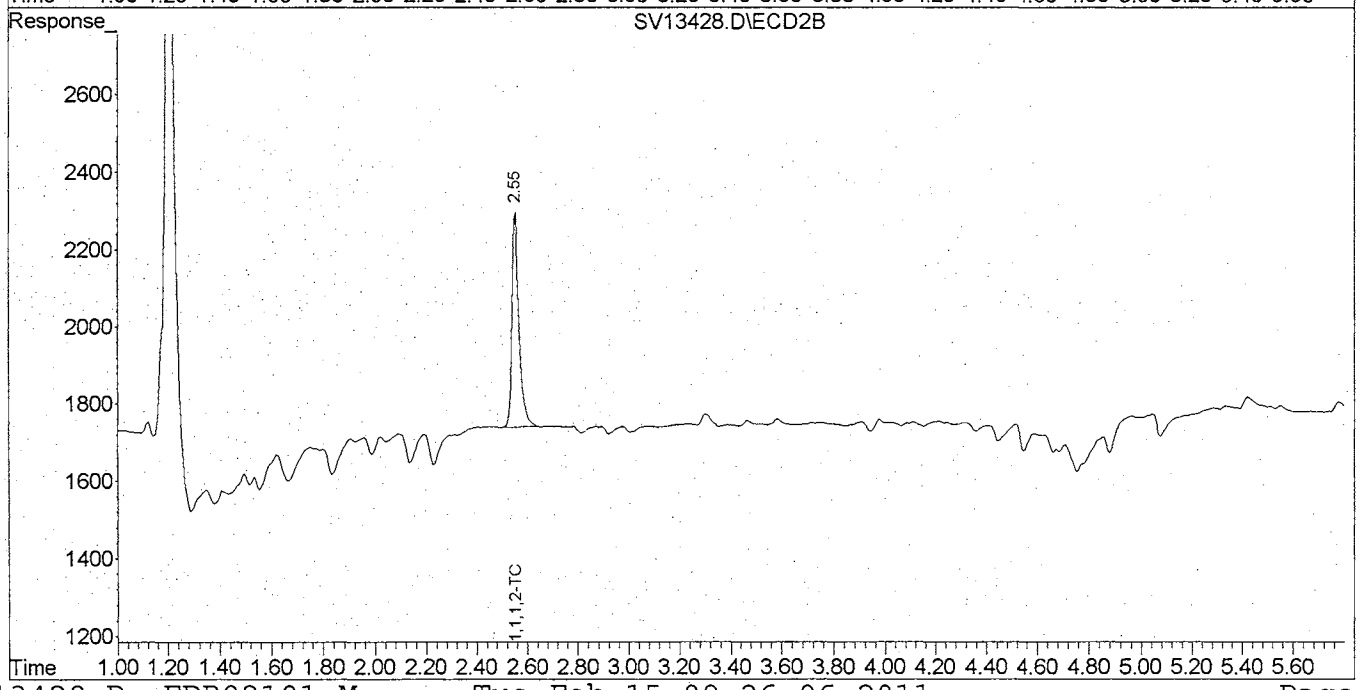
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13428.D\ECD1A.CH Vial: 11
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13428.D\ECD2B.CH
Acq On : 10 Feb 2011 4:14 pm Operator:
Sample : 96745.07 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:23 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP SAMPLE REPORT

Sample Name 96745.10
Data File Name SV13429.D
Date Acquired 2/10/2011 4:29

Dilution (1:X) 1

2/15/11

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (65-135%)	Inst DL (ug/L)	Prelim Hit (ug/L)	Hit Confirmed	Column RPD
1,1,1,2-TCA					**0.092**	**92%**	**Pass**				
EDB	1.9142	1.8920	0.0200	**FAIL**	**-0.006**			0.02			
DBCP	3.8277	3.9251	0.0200	**FAIL**	**0.005**			0.02			
1,1,1,2-TCA #2					**0.082**	**82%**	**Pass**				
EDB #2	0.0000	2.2594	0.0100	**FAIL**	**0.000**			0.02			
DBCP #2	0.0000	4.3463	0.0100	**FAIL**	**0.000**			0.02			

NB

02/16/11

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13429.D\ECD1A.CH Vial: 12
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13429.D\ECD2B.CH
Acq On : 10 Feb 2011 4:29 pm Operator:
Sample : 96745.10 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:23 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
2) S 1,1,1,2-TCA	2.21	2.55	10150	10448	0.092m	0.082	
Spiked Amount 0.100	Range 65 - 135			Recovery =	92.00%	82.00%	
Target Compounds							
1) TM EDB	1.91	0.00	2360	0	N.D.	N.D.	
3) TM DBCP	3.83	0.00	573	0	0.005	N.D.	#

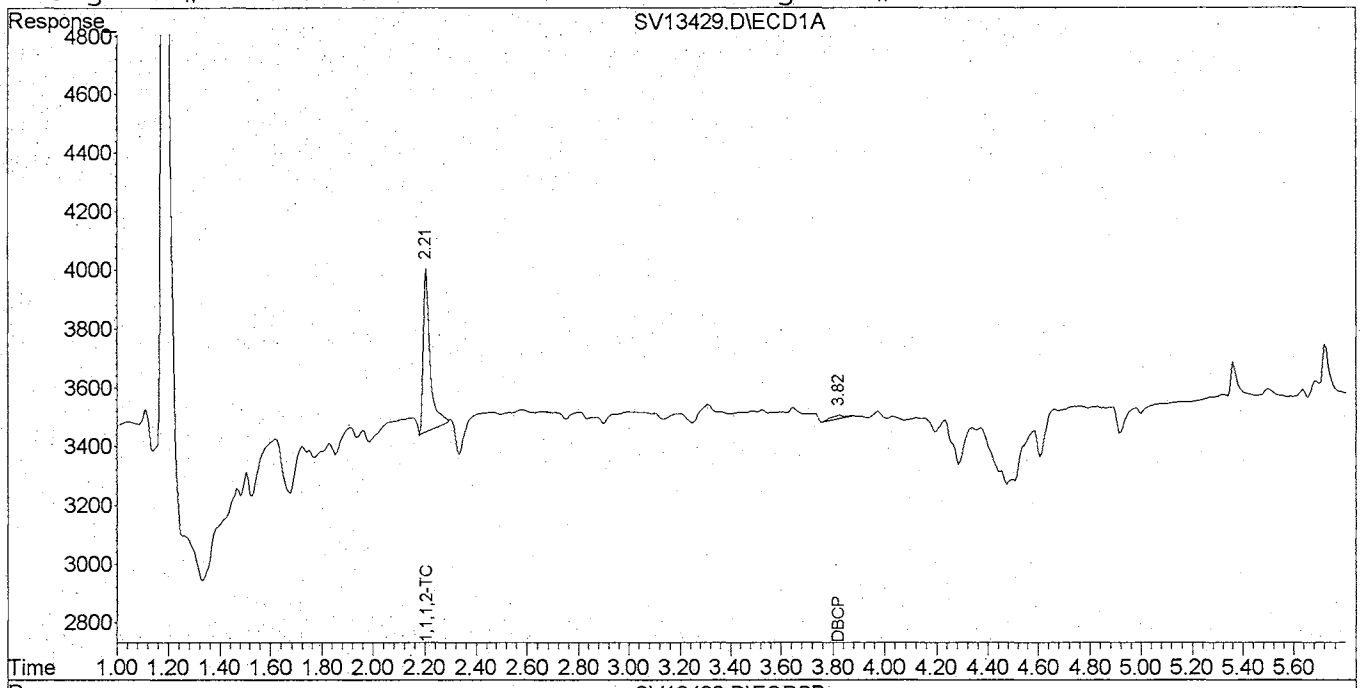
02/16/11

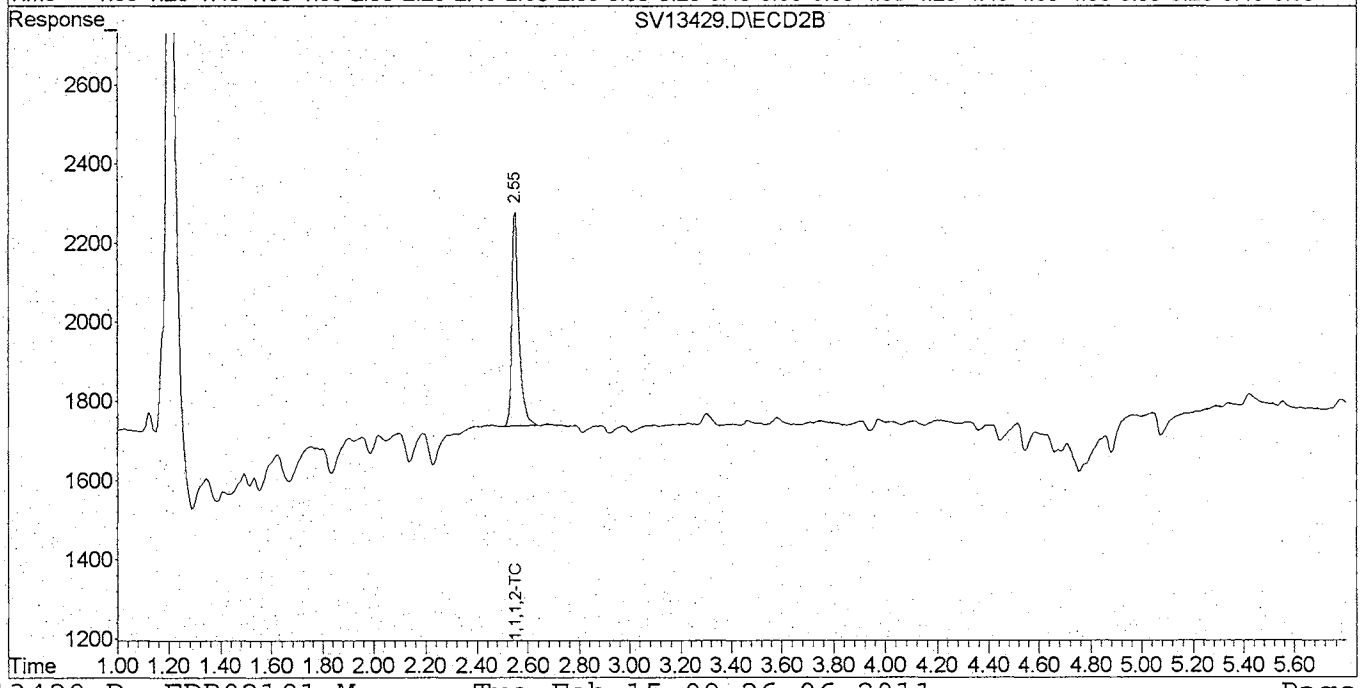
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13429.D\ECD1A.CH Vial: 12
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13429.D\ECD2B.CH
Acq On : 10 Feb 2011 4:29 pm Operator:
Sample : 96745.10 Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:23 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP CV REPORT

Sample Name EDB 0.10ug/L
Data File Name SV13432.D
Date Acquired 2/10/2011 5:14

CV Amount (ug/L) 0.100

2/15/11

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (70-130%)
1,1,1,2-TCA					0.106	106%	Pass
EDB	1.895	1.892	0.0200	Pass	0.108	108%	Pass
DBCP	3.922	3.925	0.0200	Pass	0.108	108%	Pass
1,1,1,2-TCA #2					0.106	106%	Pass
EDB #2	2.262	2.259	0.0100	Pass	0.100	100%	Pass
DBCP #2	4.347	4.346	0.0100	Pass	0.105	105%	Pass

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13432.D\ECD1A.CH Vial: 24
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13432.D\ECD2B.CH
Acq On : 10 Feb 2011 5:14 pm Operator:
Sample : EDB 0.10ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:24 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

2/15/11

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.21	2.55	11639	13428	0.106m	0.106
Spiked Amount 0.100	Range 65 - 135			Recovery =	106.00%	106.00%
Target Compounds						
1) TM EDB	1.89	2.26	8638	6652	0.108	0.100
3) TM DBCP	3.92	4.35	8431	6834	0.108m	0.105

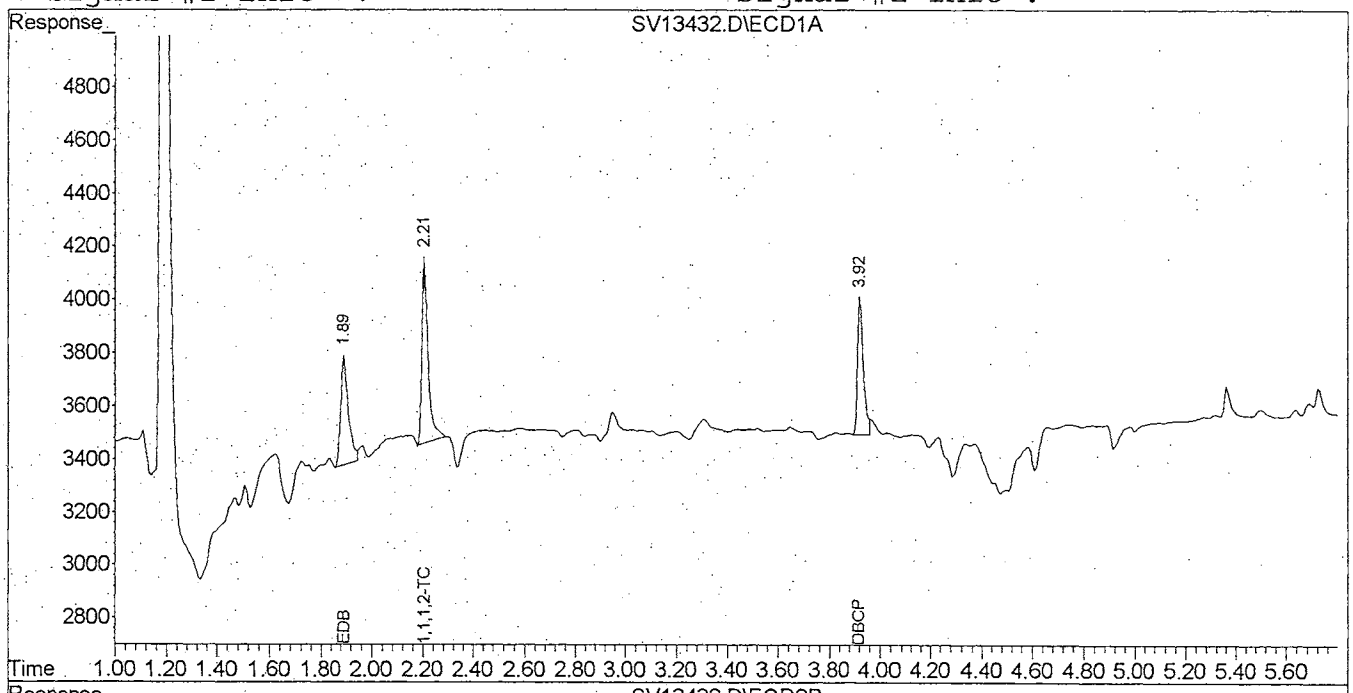
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

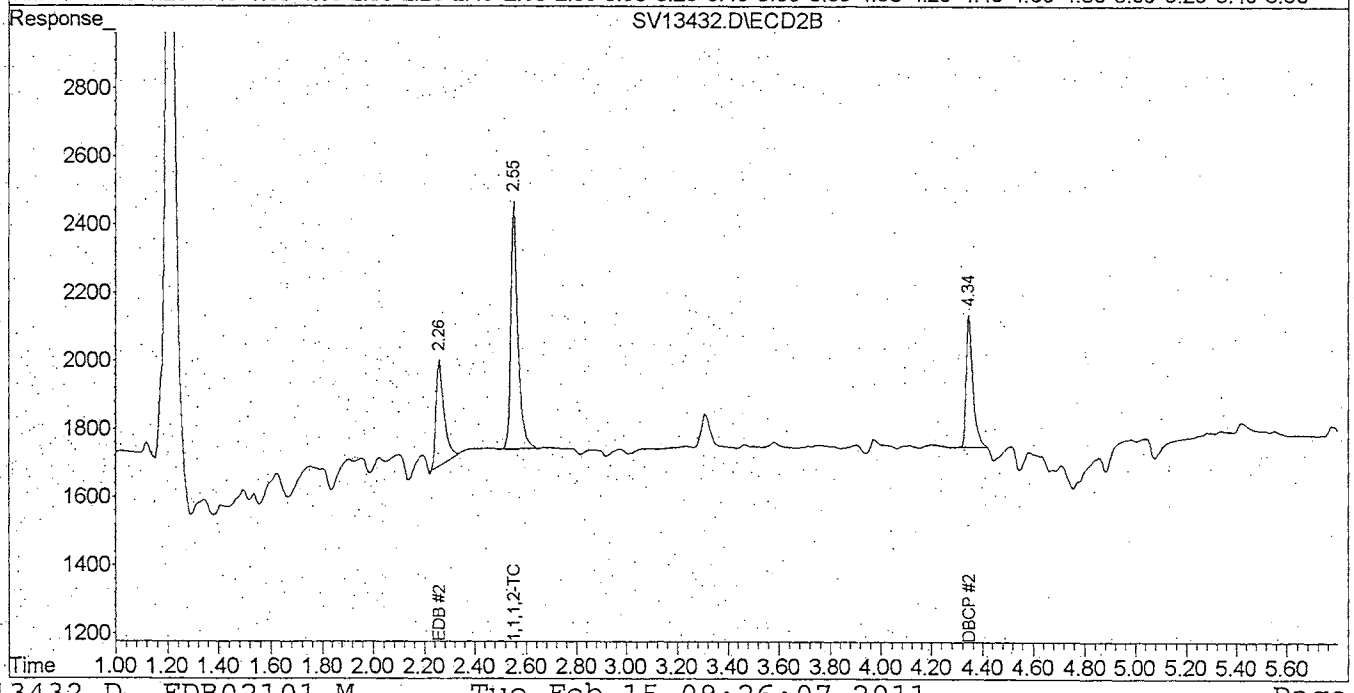
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13432.D\ECD1A.CH Vial: 24
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13432.D\ECD2B.CH
Acq On : 10 Feb 2011 5:14 pm Operator:
Sample : EDB 0.10ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:24 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EDB/DBCP CV REPORT

2/15/11

Sample Name EDB 0.10ug/L
Data File Name SV13433.D
Date Acquired 2/10/2011 5:29

CV Amount (ug/L) 0.100

Name	Ret Time	Expected Ret Time	R.T. Window	R.T. Pass/Fail	Amount (ug/L)	% Rec	Pass/Fail (70-130%)
1,1,1,2-TCA					0.108	108%	Pass
EDB	1.892	1.892	0.0200	Pass	0.107	107%	Pass
DBCP	3.922	3.925	0.0200	Pass	0.107	107%	Pass
1,1,1,2-TCA #2					0.105	105%	Pass
EDB #2	2.259	2.259	0.0100	Pass	0.103	103%	Pass
DBCP #2	4.346	4.346	0.0100	Pass	0.105	105%	Pass

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13433.D\ECD1A.CH Vial: 24
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13433.D\ECD2B.CH
Acq On : 10 Feb 2011 5:29 pm Operator:
Sample : EDB 0.10ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:24 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Initial Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

2/15/11

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
2) S 1,1,1,2-TCA	2.20	2.55	11778	13295	0.108m	0.105
Spiked Amount 0.100	Range 65 - 135		Recovery =		108.00%	105.00%
Target Compounds						
1) TM EDB	1.89	2.26	8572	6797	0.107	0.103
3) TM DBCP	3.92	4.35	8384	6832	0.107m	0.105

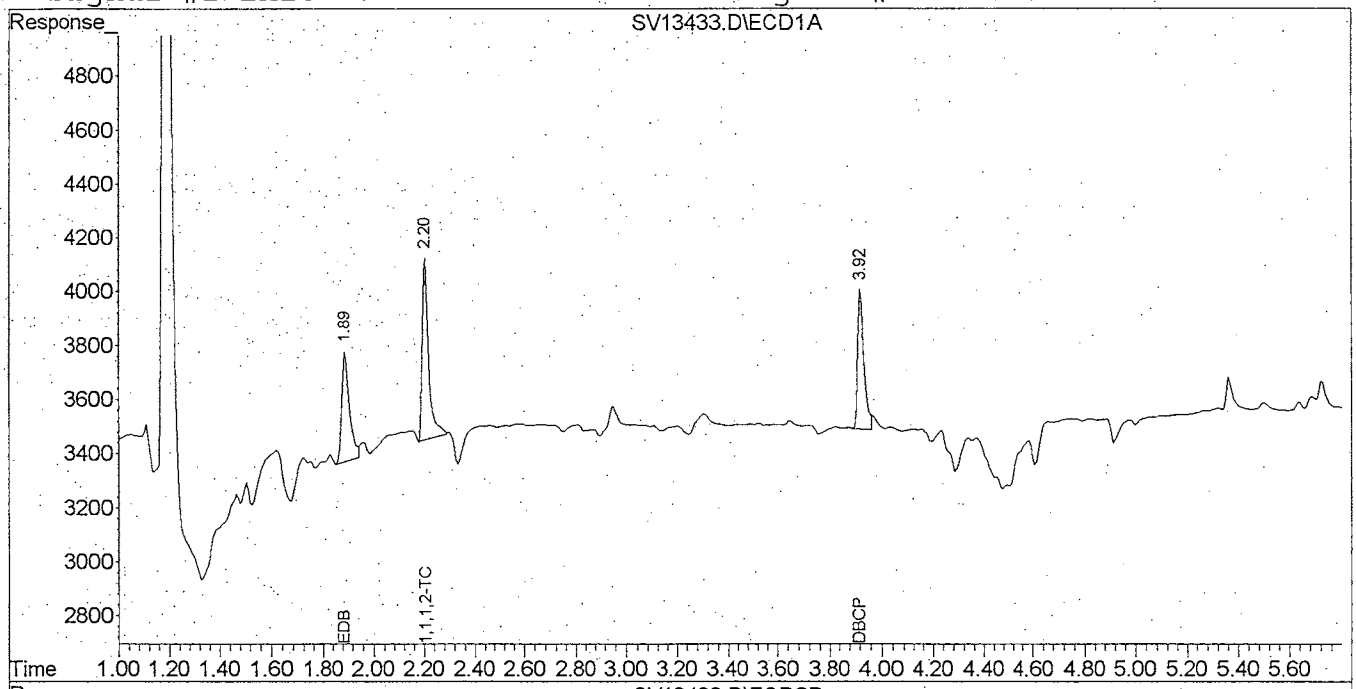
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

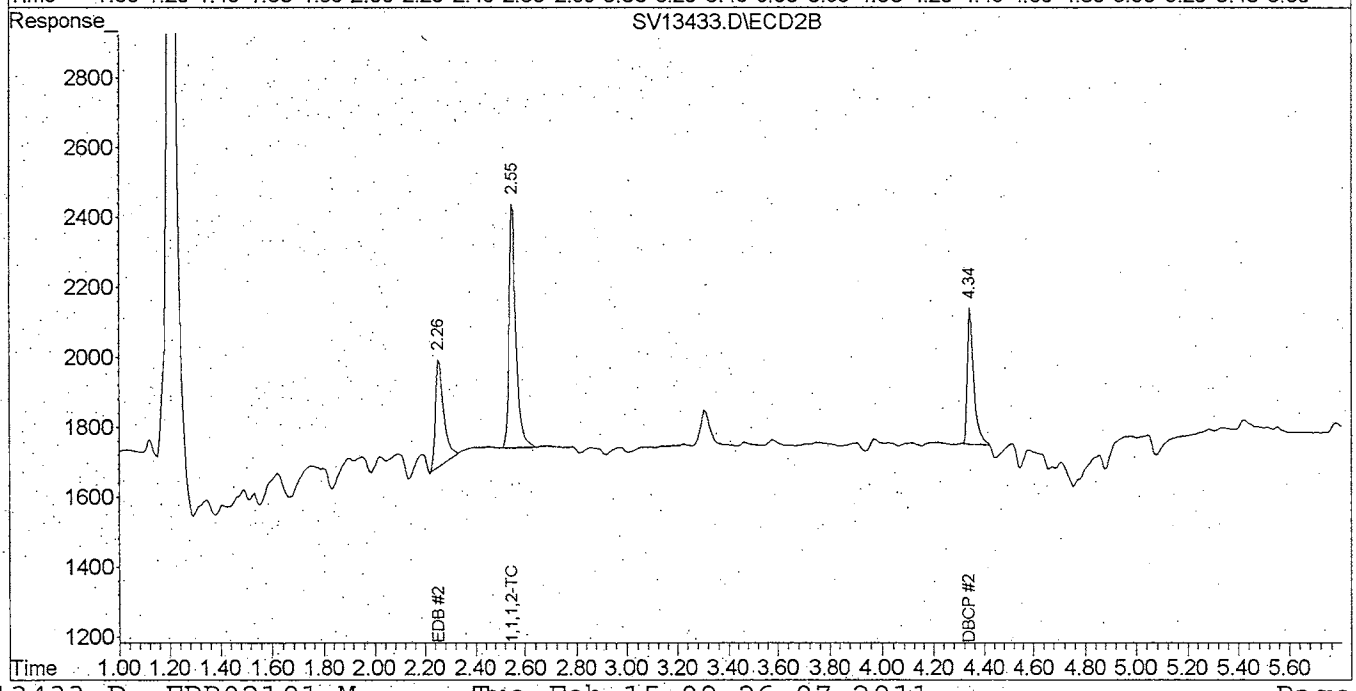
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPCHEM\1\DATA\021011\SV13433.D\ECD1A.CH Vial: 24
Signal #2 : D:\HPCHEM\1\DATA\021011\SV13433.D\ECD2B.CH
Acq On : 10 Feb 2011 5:29 pm Operator:
Sample : EDB 0.10ug/L Inst : ECD
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 15 9:24 2011 Quant Results File: EDB02101.RES

Quant Method : D:\HPCHEM\1\METHODS\EDB02101.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 15 09:18:09 2011
Response via : Multiple Level Calibration
DataAcq Meth : EDB.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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96745

Metals Analysis
Support Data Summaries
Total and Dissolved Metals
2/11/2011

Eastern Analytical Inc.
Aqueous Digestion Logbook

BatSamNum	Prep Date	Digestion Batch ID	Reagent/Chem Inv.	Temp. °C	Analyst	Notes
Blank	2/10/11	A	40352.2 | 38990.2 | 39597.1	83.5	SLW	
LCS			40219.2 | 39598.2 | 39600.1			
LCS Aq			39603.1			
96745.01						
.02						
.04						
MS			40219.2 | 39598.2 | 39600.1			
msd			↓ ↓ ↓			
.05						
.06						
.07						
96748.01						
96749.01						
96755.01						
96767.01						
.02						
.03						
96768.02						
96772.01						
.02						
96773.01						
96778.02						
.03						
96789.01						
.03	↓	↓	↓	↓	↓	

SLW 2/10/11

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Friday, February 11, 2011 10:08:14
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

1.64 x 10^-5 (PN)

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	39874.4	39874.441	349.017	0.9
	Rh	102.9	237763.7	237763.684	2720.980	1.1
	In	114.9	322643.5	322643.505	4366.346	1.4
	Pb	208.0	195070.0	195070.026	2491.915	1.3
>	Ba	137.9	294047.8	294047.806	3196.495	1.1
	Ba++	69.0	2836.9	0.010	0.000	2.6
>	Ce	139.9	355261.3	355261.283	3436.881	1.0
	CeO	155.9	9729.2	0.027	0.001	2.1
	Bkgd	220.0	6.2	6.201	1.789	28.9

Current Optimization File Data

Current Value	Description
0.99	Nebulizer Gas Flow
6.50	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

400532

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	13	5.0	4677.7
Co	59	13	6.0	98847.0
In	115	13	6.8	338180.3

400532

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	599	2087	0.588	
Mg	23.985	23.979	5737	2024	0.558	
Rh	102.905	102.928	25067	1900	0.629	
Ce	139.905	139.929	34053	1961	0.635	
Pb	207.977	207.977	50456	2247	0.593	

Sample/Batch Report

User Name: ICPMS1
Computer Name: ICPMS1
Sample File: C:\elandata\Sample\AQUIRE_February112011.1HCl.sam
Report Date/Time: Monday, February 28, 2011 08:24:38

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
		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		TCLP BLK	1:100	Sample					
29		TCLP LCS	1:100	Sample					
30		flush		Sample					
31		96685.01	1:100	Sample					
32		96762.01	1:100	Sample					
33		96809.01	1:100	Sample					
34		96809.01 MS	1:100	Sample					
35		96809.01 MSI	1:100	Sample					
36		flush		Sample					
37		flush		Sample					
38		flush		Sample					
39		BLK		Sample					
40		filter BLK		Sample					
41		Ag LCS		Sample					
42		LCS		Sample					
43		filter LCS		Sample					
44		LCS	1:10	Sample					
45		flush		Sample					
46		flush		Sample					
47		flush		Sample					
48		96745.07	Aqtot	Sample					
49		96745.06	Aqtot	Sample					

50	96745.01	Aqtot	Sample
51	96745.02	Aqtot	Sample
52	96745.05	Aqtot	Sample
53	96745.04	Aqtot	Sample
54	96745.04 MS	Aqtot pre	Sample
55	96745.04 MSI	Aqtot pre	Sample
56	flush		Sample
57	flush		Sample
58	96745.04 MS	Aqtot post	Sample
59	96745.04 MSI	Aqtot post	Sample
60	flush		Sample
61	flush		Sample
62	flush		Sample
63	96745.07	Aqdis	Sample
64	96745.06	Aqdis	Sample
65	96745.01	Aqdis	Sample
66	96745.05	Aqdis	Sample
67	96745.04	Aqdis	Sample
68	96745.04 MS	Aqdis	Sample
69	96745.04 MSI	Aqdis	Sample
70	flush		Sample
71	flush		Sample
72	flush		Sample
73	96834.01		Sample
74	96834.02		Sample
75	96834.03		Sample
76	96834.04		Sample
77	96755.01		Sample
78	96772.01		Sample
79	96772.02		Sample
80	96773.01		Sample
81	96796.05		Sample
82	96794.01		Sample
83	96794.01 MS		Sample
84	96794.01 MSD		Sample
85	flush		Sample
86	flush		Sample
87	flush		Sample
88	96795.01		Sample
89	96795.02		Sample
90	96795.03		Sample
91	96795.04		Sample
92	96795.05		Sample
93	96795.06		Sample
94	96795.07		Sample
95	96795.08		Sample
96	96795.09		Sample
97	96795.10		Sample
98	96795.10 MS		Sample
99	96795.10 MSD		Sample
100	flush		Sample
101	flush		Sample
102	flush		Sample
103	96795.11		Sample
104	96795.12		Sample
105	96795.13		Sample
106	96795.14		Sample
107	96795.15		Sample
108	96795.16		Sample
109	96795.17		Sample

110	96795.18		Sample
111	96795.19		Sample
112	96795.20		Sample
113	96795.20 MS		Sample
114	96795.20 MSD		Sample
115	flush		Sample
116	flush		Sample
117	flush		Sample
118	96800.01		Sample
119	96748.01		Sample
120	96749.01		Sample
121	96768.02		Sample
122	96783.01		Sample
123	96783.03		Sample
124	96783.05		Sample
125	96789.01		Sample
126	96789.03		Sample
127	96792.01		Sample
128	96792.01 MS		Sample
129	96792.01 MSD		Sample
130	flush		Sample
131	flush		Sample
132	flush		Sample
133	96802.01	1:10	Sample
134	96802.01		Sample
135	flush		Sample
136	96817.04	1:10	Sample
137	96817.04		Sample
138	flush		Sample
139	96782.01	1:10	Sample
140	96782.02	1:10	Sample
141	96782.03	1:10	Sample
142	96782.04	1:10	Sample
143	flush		Sample
144	96803.01	1:10	Sample
145	96803.01		Sample
146	flush		Sample
147	96791.01	1:100	Sample
148	96791.02	1:100	Sample
149	96791.03	1:100	Sample
150	96791.01	1:10	Sample
151	96791.02	1:10	Sample
152	96791.03	1:10	Sample
153	flush		Sample
154			Sample
155			Sample
156			Sample
157			Sample
158			Sample
159			Sample
160			Sample

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Internal Standard Summary
EAI SDG 96745

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 1	Friday, February 11, 2011 11:23:52	98	97	99	98
QC Std 2	Friday, February 11, 2011 11:30:54	101	96	99	98
QC Std 3	Friday, February 11, 2011 11:37:55	97	95	99	96
QC Std 5	Friday, February 11, 2011 11:44:57	97	95	97	96
QC Std 6	Friday, February 11, 2011 11:52:02	96	95	96	97
LLCS	Friday, February 11, 2011 12:12:13	96	94	97	97
ICSA	Friday, February 11, 2011 12:18:46	90	95	94	93
ICSAB	Friday, February 11, 2011 12:25:19	91	95	93	91
ICSAB	Friday, February 11, 2011 12:34:13	91	95	93	93
5ppm LRC-flush	Friday, February 11, 2011 12:40:47	98	96	97	96
QC Std 1	Friday, February 11, 2011 12:47:19	97	94	99	95
QC Std 2	Friday, February 11, 2011 12:54:22	100	95	98	95
QC Std 5	Friday, February 11, 2011 13:01:25	98	94	97	95
QC Std 6	Friday, February 11, 2011 13:08:29	98	93	93	92
QC Std 1	Friday, February 11, 2011 14:24:03	96	95	95	94
QC Std 2	Friday, February 11, 2011 14:31:05	96	92	94	94
QC Std 5	Friday, February 11, 2011 14:38:08	96	93	96	94
QC Std 6	Friday, February 11, 2011 14:45:12	95	93	93	94
BLK	Friday, February 11, 2011 14:58:51	94	93	96	94
filter BLK	Friday, February 11, 2011 15:05:21	99	94	98	96
Ag LCS	Friday, February 11, 2011 15:11:48	95	93	96	95
LCS	Friday, February 11, 2011 15:18:16	94	89	92	93
filter LCS	Friday, February 11, 2011 15:24:44	92	90	89	92
LCS	Friday, February 11, 2011 15:31:12	94	92	94	93
QC Std 1	Friday, February 11, 2011 15:57:11	98	92	95	96
QC Std 2	Friday, February 11, 2011 16:04:13	97	94	97	96
QC Std 5	Friday, February 11, 2011 16:11:16	97	93	96	94
QC Std 6	Friday, February 11, 2011 16:18:20	97	91	94	93
96745.07	Friday, February 11, 2011 16:25:23	95	94	96	96
96745.06	Friday, February 11, 2011 16:31:53	94	95	96	95
96745.01	Friday, February 11, 2011 16:38:25	112	94	93	94
96745.02	Friday, February 11, 2011 16:44:57	127	95	91	93
96745.05	Friday, February 11, 2011 16:51:29	112	95	94	94
96745.04	Friday, February 11, 2011 16:58:02	113	95	93	94
96745.04 MS	Friday, February 11, 2011 17:04:35	110	92	93	94
96745.04 MSD	Friday, February 11, 2011 17:11:04	110	93	91	93
QC Std 1	Friday, February 11, 2011 17:30:37	100	97	97	96
QC Std 2	Friday, February 11, 2011 17:37:39	99	95	95	95
QC Std 5	Friday, February 11, 2011 17:44:42	98	95	96	95

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Internal Standard Summary
EAI SDG 96745

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 6	Friday, February 11, 2011 17:51:46	97	93	93	93
96745.04 MS	Friday, February 11, 2011 17:58:52	106	92	88	91
96745.04 MSD	Friday, February 11, 2011 18:05:25	105	91	88	90
96745.07	Friday, February 11, 2011 18:31:40	91	92	90	92
96745.06	Friday, February 11, 2011 18:38:15	92	96	95	96
96745.01	Friday, February 11, 2011 18:44:51	108	95	95	94
96745.05	Friday, February 11, 2011 18:51:27	111	96	95	96
96745.04	Friday, February 11, 2011 18:58:04	111	95	94	94
QC Std 1	Friday, February 11, 2011 19:04:35	98	96	97	97
QC Std 2	Friday, February 11, 2011 19:11:37	99	96	97	96
QC Std 5	Friday, February 11, 2011 19:18:41	99	95	97	96
QC Std 6	Friday, February 11, 2011 19:25:44	101	95	94	95
96745.04 MS	Friday, February 11, 2011 19:32:53	106	92	91	92
96745.04 MSD	Friday, February 11, 2011 19:39:30	105	91	92	92
QC Std 1	Friday, February 11, 2011 20:38:27	96	96	97	96
QC Std 2	Friday, February 11, 2011 20:45:29	97	98	99	97
QC Std 5	Friday, February 11, 2011 20:52:32	99	97	98	97
QC Std 6	Friday, February 11, 2011 20:59:36	97	99	95	96
QC Std 1	Friday, February 11, 2011 22:12:27	98	97	98	98
QC Std 2	Friday, February 11, 2011 22:19:29	99	99	98	98
QC Std 5	Friday, February 11, 2011 22:26:32	96	97	95	94
QC Std 6	Friday, February 11, 2011 22:33:36	98	97	93	94

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Blank Summary
EAI SDG 96745
Total and Dissolved Metals

Sample ID:	**QC Std 1**	**Sample ID:**	**QC Std 1**
Sample Date/Time:	**Friday, February 11, 2011 11:23:52**	**Sample Date/Time:**	**Friday, February 11, 2011 12:47:19**
Sample Description:	**Blank**	**Sample Description:**	**Blank**

Concentration Results			Int Std	Concentration Results			Int Std
Analyte	Conc.	Unit	% R	Analyte	RL	Unit	% R
Ag	< 1	ug/L		Ag	< 1	ug/L	
Al	< 50	ug/L		Al	< 50	ug/L	
As	< 1	ug/L		As	< 1	ug/L	
Ba	< 1	ug/L		Ba	< 1	ug/L	
Be	< 1	ug/L		Be	< 1	ug/L	
Ca	< 50	ug/L		Ca	< 50	ug/L	
Cd	< 1	ug/L		Cd	< 1	ug/L	
Co	< 1	ug/L		Co	< 1	ug/L	
Cr	< 1	ug/L		Cr	< 1	ug/L	
Cu	< 1	ug/L		Cu	< 1	ug/L	
Fe	< 50	ug/L		Fe	< 50	ug/L	
Ge		ug/L	96.83	Ge		ug/L	94.41
Hg	< 0.2	ug/L		Hg	< 0.2	ug/L	
Ho		ug/L	98.19	Ho		ug/L	94.91
In		ug/L	99.17	In		ug/L	98.65
K	< 50	ug/L		K	< 50	ug/L	
Mg	< 50	ug/L		Mg	< 50	ug/L	
Mn	< 5	ug/L		Mn	< 5	ug/L	
Na	< 5000	ug/L		Na	< 5000	ug/L	
Ni	< 1	ug/L		Ni	< 1	ug/L	
P	< 50	ug/L		P	< 50	ug/L	
Pb	< 1	ug/L		Pb	< 1	ug/L	
Sb	< 1	ug/L		Sb	< 1	ug/L	
Sc		ug/L	98.47	Sc		ug/L	96.53
Se	< 1	ug/L		Se	< 1	ug/L	
Tl	< 1	ug/L		Tl	< 1	ug/L	
V	< 1	ug/L		V	< 1	ug/L	
Zn	< 5	ug/L		Zn	< 5	ug/L	

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Blank Summary
EAI SDG 96745
Total and Dissolved Metals

Sample ID:	**QC Std 1**	**Sample ID:**	**QC Std 1**
Sample Date/Time:	**Friday, February 11, 2011 14:24:03**	**Sample Date/Time:**	**Friday, February 11, 2011 15:57:11**
Sample Description:	**Blank**	**Sample Description:**	**Blank**

Concentration Results			Int Std	Concentration Results			Int Std
Analyte	Conc.	Unit	% R	Analyte	Conc.	Unit	% R
Ag	< 1	ug/L		Ag	< 1	ug/L	
Al	< 50	ug/L		Al	< 50	ug/L	
As	< 1	ug/L		As	< 1	ug/L	
Ba	< 1	ug/L		Ba	< 1	ug/L	
Be	< 1	ug/L		Be	< 1	ug/L	
Ca	< 50	ug/L		Ca	< 50	ug/L	
Cd	< 1	ug/L		Cd	< 1	ug/L	
Co	< 1	ug/L		Co	< 1	ug/L	
Cr	< 1	ug/L		Cr	< 1	ug/L	
Cu	< 1	ug/L		Cu	< 1	ug/L	
Fe	< 50	ug/L		Fe	< 50	ug/L	
Ge		ug/L	94.58	Ge		ug/L	92.01
Hg	< 0.2	ug/L		Hg	< 0.2	ug/L	
Ho		ug/L	94.19	Ho		ug/L	95.63
In		ug/L	95.06	In		ug/L	94.69
K	< 50	ug/L		K	< 50	ug/L	
Mg	< 50	ug/L		Mg	< 50	ug/L	
Mn	< 5	ug/L		Mn	< 5	ug/L	
Na	< 5000	ug/L		Na	< 5000	ug/L	
Ni	< 1	ug/L		Ni	< 1	ug/L	
P	< 50	ug/L		P	< 50	ug/L	
Pb	< 1	ug/L		Pb	< 1	ug/L	
Sb	1.23	ug/L		Sb	< 1	ug/L	
Sc		ug/L	95.77	Sc		ug/L	97.67
Se	< 1	ug/L		Se	< 1	ug/L	
Tl	< 1	ug/L		Tl	< 1	ug/L	
V	< 1	ug/L		V	< 1	ug/L	
Zn	< 5	ug/L		Zn	< 5	ug/L	

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Blank Summary
EAI SDG 96745
Total and Dissolved Metals

Sample ID:	**QC Std 1**	**Sample ID:**	**QC Std 1**
Sample Date/Time:	**Friday, February 11, 2011 17:30:37**	**Sample Date/Time:**	**Friday, February 11, 2011 19:04:35**
Sample Description:	**Blank**	**Sample Description:**	**Blank**

Concentration Results			Int Std	Concentration Results			Int Std
Analyte	Conc.	Unit	% R	Analyte	Conc.	Unit	% R
Ag	< 1	ug/L		Ag	< 1	ug/L	
Al	< 50	ug/L		Al	< 50	ug/L	
As	< 1	ug/L		As	< 1	ug/L	
Ba	< 1	ug/L		Ba	< 1	ug/L	
Be	< 1	ug/L		Be	< 1	ug/L	
Ca	< 50	ug/L		Ca	< 50	ug/L	
Cd	< 1	ug/L		Cd	< 1	ug/L	
Co	< 1	ug/L		Co	< 1	ug/L	
Cr	< 1	ug/L		Cr	< 1	ug/L	
Cu	< 1	ug/L		Cu	< 1	ug/L	
Fe	< 50	ug/L		Fe	< 50	ug/L	
Ge		ug/L	96.99	Ge		ug/L	96.00
Hg	< 0.2	ug/L		Hg	< 0.2	ug/L	
Ho		ug/L	96.35	Ho		ug/L	97.41
In		ug/L	96.74	In		ug/L	96.92
K	< 50	ug/L		K	< 50	ug/L	
Mg	< 50	ug/L		Mg	< 50	ug/L	
Mn	< 5	ug/L		Mn	< 5	ug/L	
Na	< 5000	ug/L		Na	< 5000	ug/L	
Ni	< 1	ug/L		Ni	< 1	ug/L	
P	< 50	ug/L		P	< 50	ug/L	
Pb	< 1	ug/L		Pb	< 1	ug/L	
Sb	1.01	ug/L		Sb	< 1	ug/L	
Sc		ug/L	99.88	Sc		ug/L	97.98
Se	< 1	ug/L		Se	< 1	ug/L	
Tl	< 1	ug/L		Tl	< 1	ug/L	
V	< 1	ug/L		V	< 1	ug/L	
Zn	< 5	ug/L		Zn	< 5	ug/L	

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Blank Summary
EAI SDG 96745
Total and Dissolved Metals

Sample ID: QC Std 1
Sample Date/Time: Friday, February 11, 2011 20:38:27
Sample Description: Blank

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	96.24
Hg	< 0.2	ug/L	
Ho		ug/L	96.40
In		ug/L	96.60
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
P	< 50	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	96.34
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

Sample ID: QC Std 1
Sample Date/Time: Friday, February 11, 2011 22:12:27
Sample Description: Blank

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	97.42
Hg	< 0.2	ug/L	
Ho		ug/L	97.66
In		ug/L	97.90
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
P	< 50	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	98.35
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

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Calibration Verification (CV) Summary
EAI SDG 96745
Total and Dissolved Metals

Sample ID: QC Std 5
Sample Date/Time: Friday, February 11, 2011 11:44:57
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	41.099763	ug/L	97.39	
Al	238	222.138451	ug/L	93.34	
As	79.5	78.140177	ug/L	98.29	
Ba	179	178.63719	ug/L	99.80	
Be	58.9	60.183722	ug/L	102.18	
Ca		2.432676	ug/L		
Cd	3.26	3.475163	ug/L	106.60	
Co	34.4	34.268461	ug/L	99.62	
Cr	61.6	62.013381	ug/L	100.67	
Cu	48.2	48.018899	ug/L	99.62	
Fe	58.5	57.718303	ug/L	98.66	
Ge			ug/L		94.93
Hg	1	1.053988	ug/L	105.40	
Ho	165		ug/L		96.23
In	115		ug/L		97.31
K		0.988893	ug/L		
Mg		0.184622	ug/L		
Mn	22.5	22.364257	ug/L	99.40	
Na		3.943767	ug/L		
Ni	70.1	68.174952	ug/L	97.25	
P		1.38185	ug/L		
Pb	21.8	22.513377	ug/L	103.27	
Sb	43.8	48.142964	ug/L	109.92	
Sc			ug/L		96.91
Se	66.6	65.456991	ug/L	98.28	
Tl	53.4	55.281761	ug/L	103.52	
V	119	118.286426	ug/L	99.40	
Zn	62	61.915628	ug/L	99.86	

Sample ID: QC Std 5
Sample Date/Time: Friday, February 11, 2011 13:01:25
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	40.320247	ug/L	95.55	
Al	238	218.435707	ug/L	91.78	
As	79.5	77.239776	ug/L	97.16	
Ba	179	174.578828	ug/L	97.53	
Be	58.9	59.629731	ug/L	101.24	
Ca		-6.393699	ug/L		
Cd	3.26	3.334722	ug/L	102.29	
Co	34.4	33.711795	ug/L	98.00	
Cr	61.6	60.175658	ug/L	97.69	
Cu	48.2	46.465165	ug/L	96.40	
Fe	58.5	59.054686	ug/L	100.95	
Ge			ug/L		94.49
Hg	1	1.075119	ug/L	107.51	
Ho	165		ug/L		94.61
In	115		ug/L		96.97
K		0.472509	ug/L		
Mg		0.558438	ug/L		
Mn	22.5	21.599186	ug/L	96.00	
Na		4.703696	ug/L		
Ni	70.1	67.138767	ug/L	95.78	
P		0.933923	ug/L		
Pb	21.8	22.236555	ug/L	102.00	
Sb	43.8	48.299975	ug/L	110.27	
Sc			ug/L		97.54
Se	66.6	65.383647	ug/L	98.17	
Tl	53.4	54.786898	ug/L	102.60	
V	119	113.83158	ug/L	95.66	
Zn	62	61.240452	ug/L	98.78	

Sample ID: QC Std 6
Sample Date/Time: Friday, February 11, 2011 11:52:02
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	10000	9321.38694	ug/L	93.21	
Ca	10000	9776.61908	ug/L	97.77	
Fe	10000	10109.7228	ug/L	101.10	
Ge			ug/L		95.05
Ho			ug/L		96.68
In			ug/L		96.26
K	10000	9328.99786	ug/L	93.29	
Mg	10000	9382.76049	ug/L	93.83	
Na	10000	9363.58592	ug/L	93.64	
P	10000	10265.4049	ug/L	102.65	
Sc			ug/L		96.45

Sample ID: QC Std 6
Sample Date/Time: Friday, February 11, 2011 13:08:29
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	10000	9441.91549	ug/L	94.42	
Ca	10000	9816.08175	ug/L	98.16	
Fe	10000	10121.4243	ug/L	101.21	
Ge			ug/L		92.87
Ho			ug/L		92.47
In			ug/L		92.79
K	10000	9535.052	ug/L	95.35	
Mg	10000	9285.6996	ug/L	92.86	
Na	10000	9327.32432	ug/L	93.27	
P	10000	10211.8568	ug/L	102.12	
Sc			ug/L		97.68

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Calibration Verification (CV) Summary
EAI SDG 96745
Total and Dissolved Metals

Sample ID: QC Std 5
Sample Date/Time: Friday, February 11, 2011 14:38:08
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	41.089398	ug/L	97.37	
Al	238	215.870494	ug/L	90.70	
As	79.5	77.246947	ug/L	97.17	
Ba	179	176.440766	ug/L	98.57	
Be	58.9	59.860396	ug/L	101.63	
Ca		-8.178051	ug/L		
Cd	3.26	3.392548	ug/L	104.07	
Co	34.4	33.736184	ug/L	98.07	
Cr	61.6	60.93842	ug/L	98.93	
Cu	48.2	46.722697	ug/L	96.94	
Fe	58.5	57.019497	ug/L	97.47	
Ge			ug/L		93.16
Hg	1	1.04912	ug/L	104.91	
Ho	165		ug/L		94.05
In	115		ug/L		95.57
K		-1.353809	ug/L		
Mg		0.231377	ug/L		
Mn	22.5	22.255056	ug/L	98.91	
Na		5.230656	ug/L		
Ni	70.1	66.894353	ug/L	95.43	
P		3.936793	ug/L		
Pb	21.8	22.388007	ug/L	102.70	
Sb	43.8	48.811537	ug/L	111.44	
Sc			ug/L		96.13
Se	66.6	65.466774	ug/L	98.30	
Tl	53.4	54.818374	ug/L	102.66	
V	119	114.662216	ug/L	96.36	
Zn	62	60.395781	ug/L	97.41	

Sample ID: QC Std 5
Sample Date/Time: Friday, February 11, 2011 16:11:16
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	40.352272	ug/L	95.62	
Al	238	209.886061	ug/L	88.19	
As	79.5	76.156063	ug/L	95.79	
Ba	179	173.960602	ug/L	97.19	
Be	58.9	57.483687	ug/L	97.60	
Ca		-9.373122	ug/L		
Cd	3.26	3.339176	ug/L	102.43	
Co	34.4	33.431056	ug/L	97.18	
Cr	61.6	60.029143	ug/L	97.45	
Cu	48.2	46.467252	ug/L	96.41	
Fe	58.5	53.349677	ug/L	91.20	
Ge			ug/L		93.36
Hg	1	1.027989	ug/L	102.80	
Ho	165		ug/L		94.34
In	115		ug/L		95.79
K		-1.508284	ug/L		
Mg		0.301581	ug/L		
Mn	22.5	21.680422	ug/L	96.36	
Na		3.784429	ug/L		
Ni	70.1	66.673058	ug/L	95.11	
P		-1.130272	ug/L		
Pb	21.8	22.097458	ug/L	101.36	
Sb	43.8	48.443921	ug/L	110.60	
Sc			ug/L		97.00
Se	66.6	63.346407	ug/L	95.12	
Tl	53.4	53.74354	ug/L	100.64	
V	119	113.887502	ug/L	95.70	
Zn	62	59.239685	ug/L	95.55	

Sample ID: QC Std 6
Sample Date/Time: Friday, February 11, 2011 14:45:12
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	10000	9477.58174	ug/L	94.78	
Ca	10000	9834.04017	ug/L	98.34	
Fe	10000	10353.0956	ug/L	103.53	
Ge			ug/L		93.08
Ho			ug/L		93.66
In			ug/L		93.30
K	10000	9505.46508	ug/L	95.06	
Mg	10000	9563.64952	ug/L	95.64	
Na	10000	9534.05317	ug/L	95.34	
P	10000	10216.4848	ug/L	102.17	
Sc			ug/L		95.23

Sample ID: QC Std 6
Sample Date/Time: Friday, February 11, 2011 16:18:20
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	10000	9183.23649	ug/L	91.83	
Ca	10000	9663.06946	ug/L	96.63	
Fe	10000	10178.9888	ug/L	101.79	
Ge			ug/L		91.49
Ho			ug/L		93.37
In			ug/L		93.91
K	10000	9086.49811	ug/L	90.87	
Mg	10000	9156.81769	ug/L	91.57	
Na	10000	9301.50335	ug/L	93.02	
P	10000	10136.2683	ug/L	101.36	
Sc			ug/L		97.49

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Calibration Verification (CV) Summary
EAI SDG 96745
Total and Dissolved Metals

Sample ID: QC Std 5
Sample Date/Time: Friday, February 11, 2011 17:44:42
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	39.899908	ug/L	94.55	
Al	238	207.333002	ug/L	87.12	
As	79.5	74.213482	ug/L	93.35	
Ba	179	173.241333	ug/L	96.78	
Be	58.9	55.755431	ug/L	94.66	
Ca		-16.438563	ug/L		
Cd	3.26	3.265915	ug/L	100.18	
Co	34.4	32.767565	ug/L	95.26	
Cr	61.6	59.931662	ug/L	97.29	
Cu	48.2	45.30905	ug/L	94.00	
Fe	58.5	52.327681	ug/L	89.45	
Ge			ug/L		94.51
Hg	1	1.018307	ug/L	101.83	
Ho	165		ug/L		95.10
In	115		ug/L		96.01
K		-5.15317	ug/L		
Mg		0.395654	ug/L		
Mn	22.5	21.672206	ug/L	96.32	
Na		4.649277	ug/L		
Ni	70.1	65.450972	ug/L	93.37	
P		0.16616	ug/L		
Pb	21.8	21.685253	ug/L	99.47	
Sb	43.8	47.806035	ug/L	109.15	
Sc			ug/L		98.33
Se	66.6	64.024337	ug/L	96.13	
Tl	53.4	52.840896	ug/L	98.95	
V	119	111.727945	ug/L	93.89	
Zn	62	58.609547	ug/L	94.53	

Sample ID: QC Std 5
Sample Date/Time: Friday, February 11, 2011 19:18:41
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	39.183995	ug/L	92.85	
Al	238	209.824585	ug/L	88.16	
As	79.5	74.004544	ug/L	93.09	
Ba	179	170.167986	ug/L	95.07	
Be	58.9	56.077751	ug/L	95.21	
Ca		-22.984073	ug/L		
Cd	3.26	3.187309	ug/L	97.77	
Co	34.4	33.659142	ug/L	97.85	
Cr	61.6	60.208272	ug/L	97.74	
Cu	48.2	45.978026	ug/L	95.39	
Fe	58.5	54.285795	ug/L	92.80	
Ge			ug/L		95.45
Hg	1	1.016394	ug/L	101.64	
Ho	165		ug/L		96.36
In	115		ug/L		97.32
K		-10.772938	ug/L		
Mg		0.296742	ug/L		
Mn	22.5	21.965707	ug/L	97.63	
Na		5.121125	ug/L		
Ni	70.1	66.803542	ug/L	95.30	
P		-3.836106	ug/L		
Pb	21.8	21.83224	ug/L	100.15	
Sb	43.8	46.546031	ug/L	106.27	
Sc			ug/L		98.59
Se	66.6	62.194233	ug/L	93.39	
Tl	53.4	53.350184	ug/L	99.91	
V	119	112.331147	ug/L	94.40	
Zn	62	59.220186	ug/L	95.52	

Sample ID: QC Std 6
Sample Date/Time: Friday, February 11, 2011 17:51:46
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	10000	9263.82339	ug/L	92.64	
Ca	10000	10062.2353	ug/L	100.62	
Fe	10000	10288.6015	ug/L	102.89	
Ge			ug/L		92.97
Ho			ug/L		92.70
In			ug/L		92.93
K	10000	9594.87325	ug/L	95.95	
Mg	10000	9431.45507	ug/L	94.32	
Na	10000	9333.35803	ug/L	93.33	
P	10000	10182.6894	ug/L	101.83	
Sc			ug/L		96.55

Sample ID: QC Std 6
Sample Date/Time: Friday, February 11, 2011 19:25:44
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	10000	9027.44682	ug/L	90.27	
Ca	10000	9706.20726	ug/L	97.06	
Fe	10000	9780.5804	ug/L	97.81	
Ge			ug/L		95.32
Ho			ug/L		95.01
In			ug/L		94.28
K	10000	9180.35265	ug/L	91.80	
Mg	10000	9012.12804	ug/L	90.12	
Na	10000	9136.40175	ug/L	91.36	
P	10000	9599.40853	ug/L	95.99	
Sc			ug/L		100.94

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Calibration Verification (CV) Summary
EAI SDG 96745
Total and Dissolved Metals

Sample ID: QC Std 5
Sample Date/Time: Friday, February 11, 2011 20:52:32
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	40.618339	ug/L	96.25	
Al	238	198.960796	ug/L	83.60	
As	79.5	74.69707	ug/L	93.96	
Ba	179	173.148845	ug/L	96.73	
Be	58.9	48.244696	ug/L	81.91	
Ca		-14.56467	ug/L		
Cd	3.26	3.252985	ug/L	99.79	
Co	34.4	33.379904	ug/L	97.04	
Cr	61.6	58.860448	ug/L	95.55	
Cu	48.2	46.419729	ug/L	96.31	
Fe	58.5	52.51974	ug/L	89.78	
Ge			ug/L		97.01
Hg	1	0.976571	ug/L	97.66	
Ho	165		ug/L		97.33
In	115		ug/L		98.08
K		-6.134987	ug/L		
Mg		0.325883	ug/L		
Mn	22.5	21.580579	ug/L	95.91	
Na		5.958289	ug/L		
Ni	70.1	67.291245	ug/L	95.99	
P		0.158541	ug/L		
Pb	21.8	21.132466	ug/L	96.94	
Sb	43.8	46.91297	ug/L	107.11	
Sc			ug/L		98.92
Se	66.6	62.425002	ug/L	93.73	
Tl	53.4	51.758661	ug/L	96.93	
V	119	111.756559	ug/L	93.91	
Zn	62	59.033508	ug/L	95.22	

Sample ID: QC Std 5
Sample Date/Time: Friday, February 11, 2011 22:26:32
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	41.891388	ug/L	97.39	
Al	238	211.671739	ug/L	93.34	
As	79.5	76.09033	ug/L	98.29	
Ba	179	177.121426	ug/L	99.80	
Be	58.9	53.032011	ug/L	102.18	
Ca		-14.946342	ug/L		
Cd	3.26	3.364609	ug/L	106.60	
Co	34.4	34.82493	ug/L	99.62	
Cr	61.6	62.078863	ug/L	100.67	
Cu	48.2	48.63447	ug/L	99.62	
Fe	58.5	56.429995	ug/L	98.66	
Ge			ug/L		96.66
Hg	1	1.001962	ug/L	105.40	
Ho	165		ug/L		93.53
In	115		ug/L		95.36
K		-4.018577	ug/L		
Mg		0.58204	ug/L		
Mn	22.5	22.906516	ug/L	99.40	
Na		5.576628	ug/L		
Ni	70.1	70.378718	ug/L	97.25	
P		-0.481906	ug/L		
Pb	21.8	22.029619	ug/L	103.27	
Sb	43.8	48.843294	ug/L	109.92	
Sc			ug/L		95.58
Se	66.6	63.956855	ug/L	98.28	
Tl	53.4	53.71485	ug/L	103.52	
V	119	116.375906	ug/L	99.40	
Zn	62	62.211435	ug/L	99.86	

Sample ID: QC Std 6
Sample Date/Time: Friday, February 11, 2011 20:59:36
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	10000	9119.75596	ug/L	91.20	
Ca	10000	9731.97635	ug/L	97.32	
Fe	10000	10436.0969	ug/L	104.36	
Ge			ug/L		99.00
Ho			ug/L		96.31
In			ug/L		95.31
K	10000	9250.90831	ug/L	92.51	
Mg	10000	9067.74516	ug/L	90.68	
Na	10000	8977.08027	ug/L	89.77	
P	10000	10021.42	ug/L	100.21	
Sc			ug/L		96.86

Sample ID: QC Std 6
Sample Date/Time: Friday, February 11, 2011 22:33:36
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	10000	9029.55747	ug/L	90.30	
Ca	10000	9728.00686	ug/L	97.28	
Fe	10000	10287.986	ug/L	102.88	
Ge			ug/L		96.99
Ho			ug/L		93.80
In			ug/L		93.21
K	10000	9284.84382	ug/L	92.85	
Mg	10000	9028.6084	ug/L	90.29	
Na	10000	8726.95246	ug/L	87.27	
P	10000	9682.10224	ug/L	96.82	
Sc			ug/L		98.25

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ICSA/ICSAB
EAI SDG 96745

Sample ID: ICSA
Sample Date Friday, February 11, 2011 12:18:46
Sample Description:

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	< 1	0.044323	ug/L		
Al	50000	47794.3138	ug/L	96	
As	< 1	0.011581	ug/L		
Ba	< 1	0.162933	ug/L		
Be	< 1	0.005069	ug/L		
Ca	50000	49653.349	ug/L	99	
Cd	< 1	0.06	ug/L		
Co	< 1	0.09472	ug/L		
Cr	< 1	-0.140785	ug/L		
Cu	< 1	0.606835	ug/L		
Fe	50000	52401.9183	ug/L	105	
Ge			ug/L		94.90
Hg	< 0.1	0.035007	ug/L		
Ho			ug/L		93.30
In			ug/L		93.72
K	50000	48818.2806	ug/L	98	
Mg	50000	46210.4626	ug/L		
Mn	< 5	0.041533	ug/L		
Na	50000	48035.6691	ug/L	96	
Ni	< 1	0.924655	ug/L		
P	50000	52451.3817	ug/L	105	
Pb	< 1	0.095592	ug/L		
Sb	< 1	0.425513	ug/L		
Sc			ug/L		90.49
Se	< 1	0.148212	ug/L		
Tl	< 1	-0.001427	ug/L		
V	1.69	1.699197	ug/L		
Zn	< 5	0.315056	ug/L		

Sample ID: ICSAB
Sample Date Friday, February 11, 2011 12:25:19
Sample Description:

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	10	4.892192	ug/L	49	
Al	50000	48816.2465	ug/L	98	
As	10	9.193979	ug/L	92	
Ba	10	9.673901	ug/L	97	
Be	10	9.966476	ug/L	100	
Ca	50000	50529.2303	ug/L	101	
Cd	10	9.532413	ug/L	95	
Co	10	9.354481	ug/L	94	
Cr	10	9.629159	ug/L	96	
Cu	10	9.336041	ug/L	93	
Fe	50000	53362.8224	ug/L	107	
Ge			ug/L		94.99
Hg	1	1.023692	ug/L	102	
Ho			ug/L		91.17
In			ug/L		93.14
K	50000	48723.8742	ug/L	97	
Mg	50000	48417.3526	ug/L	97	
Mn	10	9.480561	ug/L	95	
Na	50000	48110.4297	ug/L	96	
Ni	10	9.99837	ug/L	100	
P	50000	53304.8825	ug/L	107	
Pb	10	9.222226	ug/L	92	
Sb	10	10.978753	ug/L	110	
Sc			ug/L		90.71
Se	10	9.398029	ug/L	94	
Tl	10	9.285924	ug/L	93	
V	10	11.648643	ug/L	116	
Zn	10	9.148909	ug/L	91	

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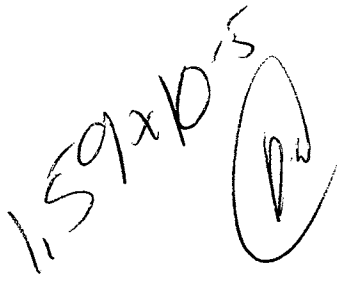
Metals Analysis
Support Data Summaries
Total and Dissolved Metals
2/14/2011

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Monday, February 14, 2011 11:15:06
Sample Description:
Method File: C:\Elandata\Method\EPA200 DAILY.mth
Dataset File: C:\Elandata\Dataset\daily performance\Sample.005
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

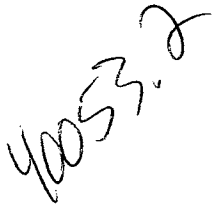


Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	45524.0	45524.043	238.956	0.5
	Rh	102.9	250466.6	250466.567	284.371	0.1
	In	114.9	320514.0	320513.952	2328.895	0.7
	Pb	208.0	193566.9	193566.854	1205.276	0.6
[>	Ba	137.9	306804.2	306804.226	1369.638	0.4
[	Ba++	69.0	3055.2	0.010	0.000	1.1
[>	Ce	139.9	372051.4	372051.351	1801.162	0.5
[	CeO	155.9	10412.2	0.028	0.000	1.4
	Bkgd	220.0	5.2	5.201	2.775	53.4

Current Optimization File Data

Current Value	Description
0.99	Nebulizer Gas Flow
7.00	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



Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	15	5.5	5076.4
Co	59	15	6.0	118869.6
In	115	15	7.0	347244.0

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	601	2087	0.600	
Mg	23.985	23.979	5735	2024	0.568	
Rh	102.905	102.928	25072	1900	0.628	
Ce	139.905	139.878	34046	1961	0.633	
Pb	207.977	207.975	50455	2247	0.587	

Sample/Batch Report

User Name: ICPMS1
Computer Name: ICPMS1
Sample File: C:\elandata\Sample\AQUIRE_February142011.1HCl.sam
Report Date/Time: Monday, February 28, 2011 08:24:47

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
		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		ICSA		Sample					
26		ICSAB		Sample					
27		flush		Sample					
28		BLK		Sample					
29		filter BLK		Sample					
30		Ag LCS		Sample					
31		LCS		Sample					
32		filter LCS		Sample					
33		LCS	1:10	Sample					
34		flush		Sample					
35		flush		Sample					
36		flush		Sample					
37		96745.07	Ag rerun	Sample					
38		96745.06	Ag rerun	Sample					
39		96745.02	1:1 Sc mets + C	Sample					
40		96745.02	rerun	Sample					
41		flush		Sample					
42		96834.01	No dig As rerun	Sample					
43		96834.04	No dig As rerun	Sample					
44		96748.01	1:1 Sc mets	Sample					
45		96748.01		Sample					
46		96749.01		Sample					
47		96800.01		Sample					
48		96800.01 MS		Sample					
49		96800.01 MSD		Sample					

50	flush		Sample
51	flush		Sample
52	flush		Sample
53	96789.01		Sample
54	96789.03		Sample
55	96792.01		Sample
56	96817.04		Sample
57	96802.01		Sample
58	96768.01		Sample
59	96782.01	1:10	Sample
60	96782.02	1:10	Sample
61	96782.03	1:10	Sample
62	96782.04	1:10	Sample
63	96782.04 MS	1:10	Sample
64	96782.04 MS	1:10	Sample
65	flush		Sample
66	flush		Sample
67	flush		Sample
68	96791.03	1:10	Sample
69	96791.02	1:10	Sample
70	96791.01	1:10	Sample
71	flush		Sample
72	96803.01	1:100	Sample
73	96803.01	1:10	Sample
74	flush		Sample
75	flush		Sample
76	96783.05	1:1000	Sample
77	96783.05	1:2000	Sample
78	96783.01	1:10	Sample
79	96783.03	1:10	Sample
80	96783.05	1:10	Sample
81	flush		Sample
82	96838.01		Sample
83	96839.01		Sample
84	96840.01		Sample
85	96840.01 MS		Sample
86	96840.01 MSD		Sample
87	flush		Sample
88	flush		Sample
89	flush		Sample
90	96855.01		Sample
91	96855.02		Sample
92	96855.03		Sample
93	96855.04		Sample
94	96855.05		Sample
95	96855.06		Sample
96	96855.07		Sample
97	96855.08		Sample
98	96855.09		Sample
99	96855.10		Sample
100	96855.10 MS		Sample
101	96855.10 MSD		Sample
102	flush		Sample
103	flush		Sample
104	flush		Sample
105	96855.11		Sample
106	96855.12		Sample
107	96855.13		Sample
108	96855.14		Sample
109	96855.15		Sample

110	96855.16		Sample
111	96855.17		Sample
112	96855.18		Sample
113	96855.19		Sample
114	96855.20		Sample
115	96855.20 MS		Sample
116	96855.20 MSD		Sample
117	flush		Sample
118	flush		Sample
119	flush		Sample
120	TCLP BLK	1:100	Sample
121	TCLP LCS	1:100	Sample
122	flush		Sample
123	96852.01	1:100	Sample
124	96852.02	1:100	Sample
125	96852.03	1:100	Sample
126	96852.04	1:100	Sample
127	96852.05	1:100	Sample
128	96852.05 MS	1:100	Sample
129	96852.05 MSI	1:100	Sample
130	flush		Sample
131	flush		Sample
132	fluish		Sample
133	Soil BLK	1:25	Sample
134	Soil LCS	1:25	Sample
135	Soil QC	1:50	Sample
136	Soil Ag LCS	1:10	Sample
137	flush		Sample
138	flush		Sample
139	96803.02	1:250	Sample
140	96803.02	1:25	Sample
141	flush		Sample
142	96792.04	1:25	Sample
143	96792.04 MS	1:25	Sample
144	96792.04 MSI	1:25	Sample
145	flush		Sample
146	flush		Sample
147	flush		Sample
148	96855.19	no dig	Sample
149	96817.04	1:1 Sc mets	Sample
150	96792.04 MS	1:50	Sample
151	96792.04 MSI	1:50	Sample
152	flush		Sample
153	flush		Sample
154	flush		Sample
155			Sample
156			Sample
157			Sample
158			Sample
159			Sample
160			Sample

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Internal Standard Summary
EAI SDG 96745

Sample ID	Date/Time of Analysis	Scandium %R	Germanium %R	Indium %R	Holmium %R
QC Std 1	Monday, February 14, 2011 12:33:06	94	94	95	95
QC Std 2	Monday, February 14, 2011 12:40:08	99	97	99	96
QC Std 3	Monday, February 14, 2011 12:47:10	95	96	95	94
QC Std 5	Monday, February 14, 2011 12:54:12	99	96	97	96
QC Std 6	Monday, February 14, 2011 13:01:16	99	97	96	95
flush	Monday, February 14, 2011 13:08:19	100	99	100	99
flush	Monday, February 14, 2011 13:14:50	99	98	100	100
LLCS	Monday, February 14, 2011 13:21:22	98	95	96	96
ICSA	Monday, February 14, 2011 13:27:55	95	99	93	96
ICSAB	Monday, February 14, 2011 13:34:28	96	99	93	94
ICSA	Monday, February 14, 2011 13:40:59	92	96	91	92
ICSAB	Monday, February 14, 2011 13:47:27	90	94	89	91
flush	Monday, February 14, 2011 14:00:03	98	97	96	94
BLK	Monday, February 14, 2011 14:06:31	103	97	97	96
filter BLK	Monday, February 14, 2011 14:13:00	98	97	97	94
Ag LCS	Monday, February 14, 2011 14:19:30	99	97	96	94
LCS	Monday, February 14, 2011 14:26:00	90	91	89	89
filter LCS	Monday, February 14, 2011 14:32:31	94	91	90	91
LCS	Monday, February 14, 2011 14:39:02	90	89	88	88
QC Std 1	Monday, February 14, 2011 15:05:10	96	92	92	89
QC Std 2	Monday, February 14, 2011 15:12:12	96	91	93	89
QC Std 5	Monday, February 14, 2011 15:19:15	96	91	92	90
QC Std 6	Monday, February 14, 2011 15:26:19	96	91	90	89
96745.07	Monday, February 14, 2011 15:33:23	94	95	97	92
96745.06	Monday, February 14, 2011 15:39:57	92	96	96	93
96745.02	Monday, February 14, 2011 15:46:30	113	93	90	89
96745.02	Monday, February 14, 2011 15:53:01	130	94	90	88
QC Std 1	Monday, February 14, 2011 16:38:21	99	93	95	92
QC Std 2	Monday, February 14, 2011 16:45:23	94	92	93	91
QC Std 5	Monday, February 14, 2011 16:52:26	96	93	95	90
QC Std 6	Monday, February 14, 2011 16:59:30	96	94	92	90

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Blank Summary
EAI SDG 96745
Total and Dissolved Metals

Sample ID:	**QC Std 1**	**Sample ID:**	**QC Std 1**
Sample Date/Time:	**Monday, February 14, 2011 12:33:06**	**Sample Date/Time:**	**Monday, February 14, 2011 15:05:10**
Sample Description:	**Blank**	**Sample Description:**	**Blank**

Concentration Results			Int Std	Concentration Results			Int Std
Analyte	Conc.	Unit	% R	Analyte	RL	Unit	% R
Ag	< 1	ug/L		Ag	< 1	ug/L	
Al	< 50	ug/L		Al	< 50	ug/L	
As	< 1	ug/L		As	< 1	ug/L	
Ba	< 1	ug/L		Ba	< 1	ug/L	
Be	< 1	ug/L		Be	< 1	ug/L	
Ca	< 50	ug/L		Ca	< 50	ug/L	
Cd	< 1	ug/L		Cd	< 1	ug/L	
Co	< 1	ug/L		Co	< 1	ug/L	
Cr	< 1	ug/L		Cr	< 1	ug/L	
Cu	< 1	ug/L		Cu	< 1	ug/L	
Fe	< 50	ug/L		Fe	< 50	ug/L	
Ge		ug/L	94.332	Ge		ug/L	91.683
Hg	< 0.2	ug/L		Hg	< 0.2	ug/L	
Ho		ug/L	94.659	Ho		ug/L	89.457
In		ug/L	94.968	In		ug/L	91.708
K	< 50	ug/L		K	< 50	ug/L	
Mg	< 50	ug/L		Mg	< 50	ug/L	
Mn	< 5	ug/L		Mn	< 5	ug/L	
Na	< 5000	ug/L		Na	< 5000	ug/L	
Ni	< 1	ug/L		Ni	< 1	ug/L	
P	< 50	ug/L		P	< 50	ug/L	
Pb	< 1	ug/L		Pb	< 1	ug/L	
Sb	< 1	ug/L		Sb	< 1	ug/L	
Sc		ug/L	94.237	Sc		ug/L	96.194
Se	< 1	ug/L		Se	< 1	ug/L	
Tl	< 1	ug/L		Tl	< 1	ug/L	
V	< 1	ug/L		V	< 1	ug/L	
Zn	< 5	ug/L		Zn	< 5	ug/L	

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Blank Summary
EAI SDG 96745
Total and Dissolved Metals

Sample ID: QC Std 1
Sample Date/Time: Monday, February 14, 2011 16:38:21
Sample Description: Blank

Concentration Results			Int Std
Analyte	Conc.	Unit	% R
Ag	< 1	ug/L	
Al	< 50	ug/L	
As	< 1	ug/L	
Ba	< 1	ug/L	
Be	< 1	ug/L	
Ca	< 50	ug/L	
Cd	< 1	ug/L	
Co	< 1	ug/L	
Cr	< 1	ug/L	
Cu	< 1	ug/L	
Fe	< 50	ug/L	
Ge		ug/L	93.216
Hg	< 0.2	ug/L	
Ho		ug/L	92.497
In		ug/L	95.191
K	< 50	ug/L	
Mg	< 50	ug/L	
Mn	< 5	ug/L	
Na	< 5000	ug/L	
Ni	< 1	ug/L	
P	< 50	ug/L	
Pb	< 1	ug/L	
Sb	< 1	ug/L	
Sc		ug/L	98.724
Se	< 1	ug/L	
Tl	< 1	ug/L	
V	< 1	ug/L	
Zn	< 5	ug/L	

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Calibration Verification (CV) Summary
EAI SDG 96745
Total and Dissolved Metals

Sample ID: QC Std 5
Sample Date/Time: Monday, February 14, 2011 12:54:12
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	40.446175	ug/L	95.84	
Al	238	224.650734	ug/L	94.39	
As	79.5	79.465062	ug/L	99.96	
Ba	179	179.838973	ug/L	100.47	
Be	58.9	60.863165	ug/L	103.33	
Ca		4.608558	ug/L		
Cd	3.26	3.496015	ug/L	107.24	
Co	34.4	34.062854	ug/L	99.02	
Cr	61.6	60.161565	ug/L	97.67	
Cu	48.2	45.976136	ug/L	95.39	
Fe	58.5	56.182308	ug/L	96.04	
Ge			ug/L		96.36
Hg	1	1.049204	ug/L	104.92	
Ho	165		ug/L		96.39
In	115		ug/L		96.53
K		-0.101164	ug/L		
Mg		0.227794	ug/L		
Mn	22.5	22.236138	ug/L	98.83	
Na		3.191089	ug/L		
Ni	70.1	68.074296	ug/L	97.11	
P		-0.994163	ug/L		
Pb	21.8	22.090414	ug/L	101.33	
Sb	43.8	48.565297	ug/L	110.88	
Sc			ug/L		98.92
Se	66.6	68.076681	ug/L	102.22	
Tl	53.4	53.68128	ug/L	100.53	
V	119	115.181116	ug/L	96.79	
Zn	62	58.787899	ug/L	94.82	

Sample ID: QC Std 5
Sample Date/Time: Monday, February 14, 2011 15:19:15
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	40.003857	ug/L	94.80	
Al	238	217.588626	ug/L	91.42	
As	79.5	78.382462	ug/L	98.59	
Ba	179	173.68807	ug/L	97.03	
Be	58.9	64.792154	ug/L	110.00	
Ca		-2.859747	ug/L		
Cd	3.26	3.459926	ug/L	106.13	
Co	34.4	31.954309	ug/L	92.89	
Cr	61.6	57.918761	ug/L	94.02	
Cu	48.2	43.191564	ug/L	89.61	
Fe	58.5	53.86459	ug/L	92.08	
Ge			ug/L		91.45
Hg	1	1.051502	ug/L	105.15	
Ho	165		ug/L		89.67
In	115		ug/L		92.28
K		-1.582067	ug/L		
Mg		0.352172	ug/L		
Mn	22.5	21.370016	ug/L	94.98	
Na		2.748767	ug/L		
Ni	70.1	64.147399	ug/L	91.51	
P		-2.059736	ug/L		
Pb	21.8	22.273055	ug/L	102.17	
Sb	43.8	48.420124	ug/L	110.55	
Sc			ug/L		95.61
Se	66.6	68.943921	ug/L	103.52	
Tl	53.4	53.761766	ug/L	100.68	
V	119	110.789105	ug/L	93.10	
Zn	62	56.083009	ug/L	90.46	

Sample ID: QC Std 6
Sample Date/Time: Monday, February 14, 2011 13:01:16
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	10000	9608.50822	ug/L	96.09	
Ca	10000	10057.899	ug/L	100.58	
Fe	10000	10380.6888	ug/L	103.81	
Ge			ug/L		97.25
Ho			ug/L		94.50
In			ug/L		96.12
K	10000	9488.71165	ug/L	94.89	
Mg	10000	9646.15817	ug/L	96.46	
Mg	10000	9413.57604	ug/L	94.14	
Na	10000	9514.30912	ug/L	95.14	
P	10000	10339.2253	ug/L	103.39	
Sc			ug/L		98.87

Sample ID: QC Std 6
Sample Date/Time: Monday, February 14, 2011 15:26:19
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	10000	9402.21569	ug/L	94.02	
Ca	10000	9696.49804	ug/L	96.97	
Fe	10000	9591.58113	ug/L	95.92	
Ge			ug/L		91.38
Ho			ug/L		89.15
In			ug/L		90.15
K	10000	9425.9778	ug/L	94.26	
Mg	10000	9292.91971	ug/L	92.93	
Mg	10000	9158.93017	ug/L	91.59	
Na	10000	9485.37502	ug/L	94.85	
P	10000	9940.74627	ug/L	99.41	
Sc			ug/L		96.33

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Calibration Verification (CV) Summary
EAI SDG 96745
Total and Dissolved Metals

Sample ID: QC Std 5
Sample Date/Time: Monday, February 14, 2011 16:52:26
Sample Description: CV-Trace Metals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	42.2	38.317848	ug/L	90.80	
Al	238	220.792721	ug/L	92.77	
As	79.5	77.328245	ug/L	97.27	
Ba	179	171.354163	ug/L	95.73	
Be	58.9	63.009743	ug/L	106.98	
Ca		-4.371931	ug/L		
Cd	3.26	3.361593	ug/L	103.12	
Co	34.4	32.270505	ug/L	93.81	
Cr	61.6	57.984955	ug/L	94.13	
Cu	48.2	44.003433	ug/L	91.29	
Fe	58.5	57.626955	ug/L	98.51	
Ge			ug/L		93.22
Hg	1	1.035399	ug/L	103.54	
Ho	165		ug/L		90.19
In	115		ug/L		95.18
K		-0.324866	ug/L		
Mg		0.622864	ug/L		
Mn	22.5	21.401844	ug/L	95.12	
Na		6.538425	ug/L		
Ni	70.1	64.911827	ug/L	92.60	
P		-1.782287	ug/L		
Pb	21.8	21.915895	ug/L	100.53	
Sb	43.8	46.763302	ug/L	106.77	
Sc			ug/L		95.76
Se	66.6	67.008656	ug/L	100.61	
Tl	53.4	53.166759	ug/L	99.56	
V	119	111.379488	ug/L	93.60	
Zn	62	56.10803	ug/L	90.50	

Sample ID: QC Std 6
Sample Date/Time: Monday, February 14, 2011 16:59:30
Sample Description: CV-Minerals

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Al	10000	9438.92564	ug/L	94.39	
Ca	10000	9747.23127	ug/L	97.47	
Fe	10000	9804.11703	ug/L	98.04	
Ge			ug/L		93.51
Ho			ug/L		89.95
In			ug/L		91.62
K	10000	9317.21933	ug/L	93.17	
Mg	10000	9435.16025	ug/L	94.35	
Mg	10000	9454.62698	ug/L	94.55	
Na	10000	9485.60899	ug/L	94.86	
P	10000	9964.84145	ug/L	99.65	
Sc			ug/L		96.43

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ICSA/ICSAB
EAI SDG 96745

Sample ID: ICSA
Sample Date/Time: Monday, February 14, 2011 13:27:55
Sample Description:

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	< 1	0.315886	ug/L		
Al	50000	47195.1697	ug/L	94	
As	< 1	0.491904	ug/L		
Ba	< 1	0.540536	ug/L		
Be	< 1	0.411482	ug/L		
Ca	50000	49382.8817	ug/L	99	
Cd	< 1	0.452111	ug/L		
Co	< 1	0.487509	ug/L		
Cr	< 1	0.187633	ug/L		
Cu	1.24	1.244003	ug/L		
Fe	50000	50481.3651	ug/L	101	
Ge			ug/L		99.49
Hg	< 0.1	0.021522	ug/L		
Ho			ug/L		95.82
In			ug/L		93.28
K	50000	48678.2647	ug/L	97	
Mg	50000	45514.3231	ug/L		
Mn	< 5	0.588797	ug/L		
Na	50000	46388.0012	ug/L	93	
Ni	1.54	1.543284	ug/L		
P	50000	49678.1093	ug/L	99	
Pb	< 1	0.60363	ug/L		
Sb	< 1	0.849408	ug/L		
Sc			ug/L		94.51
Se	< 1	0.814302	ug/L		
Tl	< 1	0.372361	ug/L		
V	1.85	1.851417	ug/L		
Zn	< 5	2.358148	ug/L		

Sample ID: ICSAB
Sample Date/Time: Monday, February 14, 2011 13:34:28
Sample Description:

Concentration Results				QC Std	Int Std
Analyte	True Value	Conc.	Units	% R	% R
Ag	10	9.070645	ug/L	91	
Al	50000	46809.9067	ug/L	94	
As	10	9.130302	ug/L	91	
Ba	10	10.018156	ug/L	100	
Be	10	10.078104	ug/L	101	
Ca	50000	51140.2657	ug/L	102	
Cd	10	9.573236	ug/L	96	
Co	10	8.857936	ug/L	89	
Cr	10	8.780824	ug/L	88	
Cu	10	8.759523	ug/L	88	
Fe	50000	49337.7027	ug/L	99	
Ge			ug/L		99.21
Hg	1	0.936558	ug/L	94	
Ho			ug/L		94.30
In			ug/L		92.90
K	50000	48153.5992	ug/L	96	
Mg	50000	45703.9992	ug/L	91	
Mn	10	9.261146	ug/L	93	
Na	50000	47337.6146	ug/L	95	
Ni	10	9.729629	ug/L	97	
P	50000	50439.0163	ug/L	101	
Pb	10	9.254554	ug/L	93	
Sb	10	11.173349	ug/L	112	
Sc			ug/L		96.08
Se	10	9.635857	ug/L	96	
Tl	10	8.994791	ug/L	90	
V	10	10.960091	ug/L	110	
Zn	10	10.094129	ug/L	101	

Sample ID: 96745.07
Sample Date/Time: Friday, February 11, 2011 18:31:40
Autosampler Position: 63
Sample Description: Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.07.597

Used Fe 57 for all due to best recovery. Fe 56 was out for dissolved CCVs and Fe 54 was on the low side

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9743.886	ug/L	
Be	9	0.019364	12.000	ug/L	0.010
B	10	0.840422	198.671	ug/L	0.015
B	11	0.712846	881.385	ug/L	0.004
C	12		481696.031	ug/L	
Na	23	152.728561	1083841.390	ug/L	2.218
Mg	24	5.256295	25073.701	ug/L	0.062
Mg	25	5.262326	3694.455	ug/L	0.386
Al	27	-0.508348	4344.807	ug/L	0.021
Si	28		43022.528	ug/L	
P	31	-14.183886	3827.870	ug/L	2.299
S	32		70884860.840	ug/L	
Cl	35		95269.482	ug/L	
K	39	1.252845	629989.335	ug/L	0.088
Ca	44	22.681992	27778.495	ug/L	1.705
Sc	45		156521.307	ug/L	
Ti	47	-0.210018	143.336	ug/L	0.011
Ti	48	0.084258	-923.052	ug/L	0.004
V	51	-0.487923	11101.559	ug/L	0.069
ClO	51		11571.148	ug/L	
Cr	52	-0.018946	3817.998	ug/L	0.003
Cr	53	-1.847168	3359.322	ug/L	0.222
Fe	54	-27.754137	18353.879	ug/L	2.981
Mn	55	-0.162100	2467.693	ug/L	0.004
Fe	56	-4.685914	1215896.448	ug/L	0.407
Fe	57	-1.269983	4935.166	ug/L	0.249
Co	59	0.016364	442.015	ug/L	0.002
Ni	60	-0.267928	231.339	ug/L	0.014
Ni	62	-0.229655	77.001	ug/L	0.021
Cu	63	-0.071515	323.342	ug/L	0.001
Zn	64	-0.244847	714.867	ug/L	0.021
Cu	65	-0.033408	119.669	ug/L	0.001
Zn	66	-0.263554	384.679	ug/L	0.013
Zn	68	-0.260820	352.677	ug/L	0.039
Ge	72		134739.807	ug/L	
As	75	0.157217	244.526	ug/L	0.032
ArCl	77		136.002	ug/L	
Se	78	0.383670	8106.553	ug/L	0.844
Br	79		662.697	ug/L	

Br	81		10336.314	ug/L	
Se	82	0.004653	-52.662	ug/L	0.009
Y	89		359141.355	ug/L	
Mo	95	0.126570	509.686	ug/L	0.004
Rh	103		327068.169	ug/L	
Ag	107	3.260021	30933.371	ug/L	0.574
Ag	109	3.244867	29218.173	ug/L	0.501
Cd	111	0.037182	154.336	ug/L	0.004
Cd	114	0.018110	387.012	ug/L	0.008
In	115		404799.511	ug/L	
Sb	121	0.325845	2969.517	ug/L	0.025
Sb	123	0.336515	2313.223	ug/L	0.029
Ba	137	0.142615	635.695	ug/L	0.001
Ba	138	0.132721	3640.527	ug/L	0.007
Tb	159		520139.851	ug/L	
Ho	165		489717.792	ug/L	
Hg	200	0.001164	18.000	ug/L	0.002
Hg	202	0.004457	26.334	ug/L	0.002
Tl	205	0.102457	2854.812	ug/L	0.011
Pb	208	-0.011993	963.030	ug/L	0.005
Bi	209		342522.963	ug/L	
Se	77	-2.155553	126.002	ug/L	0.016

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌜	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
>	Sc		90.989
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 91.547
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 90.354
Sb
Sb
Ba
Ba
Tb
> Ho 91.953
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 96745.06
Sample Date/Time: Friday, February 11, 2011 18:38:15
Autosampler Position: 64
Sample Description: Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.06.598

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		9742.551	ug/L	
Be	9	0.010954	9.000	ug/L	0.017
B	10	0.782538	196.004	ug/L	0.049
B	11	0.756164	912.722	ug/L	0.028
C	12		496648.630	ug/L	
Na	23	184.141291	1321718.293	ug/L	2.829
Mg	24	7.954697	38237.405	ug/L	0.051
Mg	25	7.745120	5462.187	ug/L	0.145
Al	27	-0.542893	4154.700	ug/L	0.045
Si	28		51933.216	ug/L	
P	31	-13.769614	4021.292	ug/L	0.623
S	32		69034979.442	ug/L	
Cl	35		75130.011	ug/L	
K	39	12.604030	742691.773	ug/L	0.462
Ca	44	61.602833	39071.046	ug/L	2.681
Sc	45		158723.015	ug/L	
Ti	47	-0.219340	139.002	ug/L	0.002
Ti	48	0.149855	-467.987	ug/L	0.000
V	51	-0.659574	9737.646	ug/L	0.025
ClO	51		10091.034	ug/L	
Cr	52	-0.038586	3727.315	ug/L	0.002
Cr	53	-2.267997	3015.864	ug/L	0.133
Fe	54	-30.311012	17005.701	ug/L	0.429
Mn	55	-0.052025	3826.844	ug/L	0.013
Fe	56	-5.352388	1225587.619	ug/L	2.562
Fe	57	-1.209796	5018.553	ug/L	0.175
Co	59	0.019397	474.684	ug/L	0.001
Ni	60	-0.135861	479.351	ug/L	0.013
Ni	62	-0.116678	109.335	ug/L	0.041
Cu	63	0.019310	709.702	ug/L	0.011
Zn	64	3.238582	8526.504	ug/L	0.023
Cu	65	0.052906	298.008	ug/L	0.011
Zn	66	3.328657	5093.477	ug/L	0.014
Zn	68	3.310047	3589.745	ug/L	0.097
Ge	72		140693.737	ug/L	
As	75	0.107415	181.731	ug/L	0.012
ArCl	77		133.336	ug/L	
Se	78	-0.308518	8210.223	ug/L	0.196
Br	79		564.023	ug/L	

Br	81		10207.837	ug/L	
Se	82	-0.073125	-67.926	ug/L	0.064
Y	89		370139.727	ug/L	
Mo	95	0.073848	343.010	ug/L	0.009
Rh	103		342021.716	ug/L	
Ag	107	1.412036	14342.864	ug/L	0.161
Ag	109	1.413665	13598.680	ug/L	0.127
Cd	111	0.042246	175.003	ug/L	0.010
Cd	114	0.018044	406.346	ug/L	0.003
In	115		426284.613	ug/L	
Sb	121	0.206987	2202.289	ug/L	0.016
Sb	123	0.209874	1683.246	ug/L	0.018
Ba	137	0.323490	1428.126	ug/L	0.001
Ba	138	0.318197	8810.456	ug/L	0.000
Tb	159		537899.264	ug/L	
Ho	165		512185.156	ug/L	
Hg	200	0.002154	20.667	ug/L	0.002
Hg	202	0.000000	16.667	ug/L	0.001
Tl	205	0.080731	2476.029	ug/L	0.006
Pb	208	0.040877	2741.519	ug/L	0.005
Bi	209		362357.992	ug/L	
Se	77	-2.144042	127.336	ug/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		92.269
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 95.593
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 95.149
Sb
Sb
Ba
Ba
Tb
> Ho 96.171
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 96745.01
Sample Date/Time: Friday, February 11, 2011 18:44:51
Autosampler Position: 65
Sample Description: Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.01.599

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10235.092	ug/L	
Be	9	0.043044	24.667	ug/L	0.003
B	10	18.618673	2194.620	ug/L	0.512
B	11	18.727004	10240.534	ug/L	0.291
C	12		12080757.432	ug/L	
Na	23	10532.771210	87459539.956	ug/L	292.657
Mg	24	5395.081088	29995849.723	ug/L	40.634
Mg	25	5193.717873	4200525.138	ug/L	30.557
Al	27	-0.585464	4508.235	ug/L	0.006
Si	28		20226296.349	ug/L	
P	31	-13.951494	4641.652	ug/L	0.826
S	32		70924340.016	ug/L	
Cl	35		626074.558	ug/L	
K	39	1595.048182	17829601.117	ug/L	2.797
Ca	44	14496.385202	4780755.763	ug/L	20.166
Sc	45		185911.112	ug/L	
Ti	47	0.984912	1120.414	ug/L	0.039
Ti	48	8.412560	68505.400	ug/L	0.375
V	51	-0.850663	9418.304	ug/L	0.004
ClO	51		9998.597	ug/L	
Cr	52	-2.177329	-14028.081	ug/L	0.062
Cr	53	-2.661148	3103.228	ug/L	0.099
Fe	54	2605.371318	1965892.063	ug/L	70.747
Mn	55	1862.075047	26258156.557	ug/L	18.001
Fe	56	2750.304915	36778471.563	ug/L	56.872
Fe	57	2820.421809	795197.554	ug/L	17.281
Co	59	0.969211	10248.877	ug/L	0.012
Ni	60	1.947491	5079.803	ug/L	0.009
Ni	62	1.732411	725.703	ug/L	0.007
Cu	63	0.824808	4800.316	ug/L	0.030
Zn	64	28.933983	77396.992	ug/L	0.041
Cu	65	0.796727	2133.272	ug/L	0.006
Zn	66	29.483890	46080.972	ug/L	0.291
Zn	68	29.494632	31970.440	ug/L	0.121
Ge	72		140509.717	ug/L	
As	75	0.285684	447.620	ug/L	0.010
ArCl	77		154.003	ug/L	
Se	78	-0.598076	8089.419	ug/L	0.536
Br	79		16601.978	ug/L	

Br	81		27224.643	ug/L	
Se	82	0.445980	18.592	ug/L	0.049
Y	89		370810.820	ug/L	
Mo	95	0.441169	1654.501	ug/L	0.059
Rh	103		332182.952	ug/L	
Ag	107	0.002034	346.343	ug/L	0.005
Ag	109	0.004476	315.009	ug/L	0.002
Cd	111	0.159206	469.017	ug/L	0.012
Cd	114	0.128968	1051.738	ug/L	0.012
In	115		425861.190	ug/L	
Sb	121	0.237385	2436.017	ug/L	0.000
Sb	123	0.233236	1819.892	ug/L	0.018
Ba	137	7.425944	31186.050	ug/L	0.066
Ba	138	7.529959	201997.517	ug/L	0.054
Tb	159		534346.931	ug/L	
Ho	165		500078.234	ug/L	
Hg	200	0.000220	16.667	ug/L	0.002
Hg	202	-0.001938	11.667	ug/L	0.000
Tl	205	0.107194	3023.537	ug/L	0.017
Pb	208	2.242472	73186.952	ug/L	0.017
Bi	209		352410.345	ug/L	
Se	77	-1.899422	155.670	ug/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		108.074
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 95.468
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 95.055
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 93.898
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 96745.05
Sample Date/Time: Friday, February 11, 2011 18:51:27
Autosampler Position: 66
Sample Description: Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.05.600

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10240.433	ug/L	
Be	9	0.014190	12.333	ug/L	0.005
B	10	23.550136	2809.796	ug/L	0.502
B	11	24.027838	13284.165	ug/L	0.697
C	12		10879950.607	ug/L	
Na	23	16085.021736	137098992.138	ug/L	158.056
Mg	24	7731.795198	44121758.315	ug/L	11.272
Mg	25	7443.600649	6178511.045	ug/L	41.306
Al	27	-0.658178	3994.611	ug/L	0.025
Si	28		23438290.968	ug/L	
P	31	-12.037082	5528.901	ug/L	0.230
S	32		74454906.344	ug/L	
Cl	35		687089.572	ug/L	
K	39	2360.479936	26718921.114	ug/L	2.547
Ca	44	13549.810090	4587745.004	ug/L	91.602
Sc	45		190808.665	ug/L	
Ti	47	1.198925	1324.110	ug/L	0.043
Ti	48	8.199943	68450.111	ug/L	0.291
V	51	-0.909495	9035.579	ug/L	0.030
ClO	51		9342.895	ug/L	
Cr	52	-1.890085	-11863.951	ug/L	0.001
Cr	53	-2.844299	2978.184	ug/L	0.116
Fe	54	387.716992	337173.843	ug/L	10.013
Mn	55	238.359638	3453423.426	ug/L	8.395
Fe	56	452.182965	7495982.881	ug/L	5.765
Fe	57	476.167768	143091.691	ug/L	1.359
Co	59	0.169691	2143.941	ug/L	0.008
Ni	60	0.647536	2318.986	ug/L	0.046
Ni	62	0.433094	313.342	ug/L	0.132
Cu	63	0.396561	2759.780	ug/L	0.023
Zn	64	17.612397	48937.412	ug/L	0.565
Cu	65	0.361413	1116.747	ug/L	0.045
Zn	66	17.594678	28574.121	ug/L	0.309
Zn	68	17.891454	20179.574	ug/L	0.481
Ge	72		141040.471	ug/L	
As	75	0.217731	347.524	ug/L	0.007
ArCl	77		162.670	ug/L	
Se	78	-0.799433	8044.723	ug/L	0.431
Br	79		12085.482	ug/L	

Br	81		22633.038	ug/L	
Se	82	0.350101	2.690	ug/L	0.090
Y	89		372629.735	ug/L	
Mo	95	0.138654	576.357	ug/L	0.011
Rh	103		331719.658	ug/L	
Ag	107	0.006568	390.679	ug/L	0.005
Ag	109	0.008527	352.677	ug/L	0.002
Cd	111	0.074212	255.006	ug/L	0.003
Cd	114	0.053906	614.027	ug/L	0.002
In	115		425384.859	ug/L	
Sb	121	0.172450	1931.225	ug/L	0.016
Sb	123	0.170467	1447.531	ug/L	0.016
Ba	137	3.514777	14781.156	ug/L	0.064
Ba	138	3.539094	94981.193	ug/L	0.024
Tb	159		540161.821	ug/L	
Ho	165		511177.928	ug/L	
Hg	200	0.001448	19.334	ug/L	0.001
Hg	202	0.002480	22.667	ug/L	0.000
Tl	205	0.095290	2813.465	ug/L	0.008
Pb	208	0.842166	28969.676	ug/L	0.003
Bi	209		349485.070	ug/L	
Se	77	-1.864888	159.670	ug/L	0.069

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
\>	Sc		110.921
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

95.828

94.949

95.982

Sample ID: 96745.04
Sample Date/Time: Friday, February 11, 2011 18:58:04
Autosampler Position: 67
Sample Description: Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.04.601

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10126.971	ug/L	
Be	9	0.015710	13.000	ug/L	0.003
B	10	23.849969	2842.473	ug/L	0.432
B	11	24.494038	13524.187	ug/L	0.233
C	12		10591001.370	ug/L	
Na	23	16208.021158	138045198.704	ug/L	327.454
Mg	24	7906.413121	45090665.282	ug/L	103.922
Mg	25	7466.881970	6193996.741	ug/L	182.065
Al	27	-0.640776	4144.692	ug/L	0.014
Si	28		23757861.098	ug/L	
P	31	-11.965277	5548.926	ug/L	1.841
S	32		76282228.213	ug/L	
Cl	35		693420.385	ug/L	
K	39	2339.859748	26475573.669	ug/L	37.860
Ca	44	13654.261084	4619868.410	ug/L	435.284
Sc	45		190711.818	ug/L	
Ti	47	1.194336	1319.442	ug/L	0.106
Ti	48	8.003020	66788.622	ug/L	0.643
V	51	-0.909166	9034.580	ug/L	0.041
ClO	51		9190.402	ug/L	
Cr	52	-1.841722	-11431.734	ug/L	0.008
Cr	53	-2.894205	2921.832	ug/L	0.030
Fe	54	391.567015	340027.712	ug/L	7.015
Mn	55	239.731435	3472315.134	ug/L	3.691
Fe	56	454.571942	7525573.306	ug/L	13.849
Fe	57	480.765425	144337.846	ug/L	2.236
Co	59	0.162592	2068.590	ug/L	0.011
Ni	60	0.665177	2357.663	ug/L	0.025
Ni	62	0.401467	303.008	ug/L	0.048
Cu	63	0.339226	2470.027	ug/L	0.009
Zn	64	15.305636	42715.680	ug/L	0.202
Cu	65	0.301224	968.728	ug/L	0.026
Zn	66	15.284966	24927.378	ug/L	0.293
Zn	68	15.451285	17516.037	ug/L	0.552
Ge	72		139373.800	ug/L	
As	75	0.207759	328.443	ug/L	0.009
ArCl	77		165.336	ug/L	
Se	78	-0.432131	8085.799	ug/L	0.473
Br	79		11901.571	ug/L	

Br	81		22457.270	ug/L	
Se	82	0.257583	-12.824	ug/L	0.050
Y	89		368056.588	ug/L	
Mo	95	0.123553	515.353	ug/L	0.026
Rh	103		331089.283	ug/L	
Ag	107	0.012029	440.015	ug/L	0.004
Ag	109	0.015409	413.014	ug/L	0.003
Cd	111	0.065925	232.005	ug/L	0.007
Cd	114	0.045726	561.023	ug/L	0.004
In	115		421137.575	ug/L	
Sb	121	0.151933	1754.520	ug/L	0.004
Sb	123	0.158538	1362.940	ug/L	0.007
Ba	137	3.490593	14532.752	ug/L	0.025
Ba	138	3.467266	92121.241	ug/L	0.044
Tb	159		533535.123	ug/L	
Ho	165		499085.758	ug/L	
Hg	200	0.002257	20.334	ug/L	0.000
Hg	202	-0.001507	12.667	ug/L	0.000
Tl	205	0.070032	2168.280	ug/L	0.002
Pb	208	0.768023	25913.910	ug/L	0.005
Bi	209		354629.830	ug/L	
Se	77	-1.876399	158.336	ug/L	0.012

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
\>	Sc		110.865
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 94.696
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 94.001
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 93.712
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 96745.04 MS
Sample Date/Time: Friday, February 11, 2011 19:32:53
Autosampler Position: 68
Sample Description: Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.04 MS.606

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10850.472	ug/L	
Be	9	917.690268	394798.466	ug/L	18.116
B	10	23.687617	2696.760	ug/L	0.584
B	11	24.089341	12710.674	ug/L	0.256
C	12		9750805.177	ug/L	
Na	23	24802.080325	201704004.257	ug/L	126.437
Mg	24	17329.431319	94366505.334	ug/L	108.408
Mg	25	16650.165670	13189026.289	ug/L	48.207
Al	27	9573.807778	79230112.513	ug/L	55.548
Si	28		21224612.677	ug/L	
P	31	9882.166180	3780215.919	ug/L	122.000
S	32		65521332.761	ug/L	
Cl	35		2812976.104	ug/L	
K	39	12217.654869	128967215.527	ug/L	177.112
Ca	44	23221.532845	7485609.626	ug/L	138.427
Sc	45		182084.096	ug/L	
Ti	47	24.731339	19588.283	ug/L	0.711
Ti	48	14.420845	116248.561	ug/L	0.449
V	51	932.611636	9512268.982	ug/L	10.980
ClO	51		9674110.360	ug/L	
Cr	52	920.946024	7762901.296	ug/L	0.015
Cr	53	777.727592	837019.456	ug/L	4.859
Fe	54	9829.260609	7149742.538	ug/L	178.518
Mn	55	1149.750306	15882165.986	ug/L	4.897
Fe	56	9966.855866	126685441.543	ug/L	177.309
Fe	57	11128.893773	3055357.956	ug/L	273.753
Co	59	901.390595	9009157.905	ug/L	5.142
Ni	60	791.079559	1681251.144	ug/L	10.604
Ni	62	804.757525	254927.252	ug/L	15.807
Cu	63	851.505069	4109205.631	ug/L	7.433
Zn	64	910.740453	2341480.408	ug/L	9.164
Cu	65	768.814772	1806216.977	ug/L	9.836
Zn	66	833.939690	1253482.685	ug/L	5.046
Zn	68	851.930296	885409.855	ug/L	14.217
Ge	72		135461.842	ug/L	
As	75	1020.541046	1467504.663	ug/L	2.330
ArCl	77		126201.271	ug/L	
Se	78	1130.064989	416545.613	ug/L	0.191
Br	79		14906.360	ug/L	

Br	81		25308.767	ug/L	
Se	82	1114.572073	178792.910	ug/L	14.993
Y	89		360769.966	ug/L	
Mo	95	1054.917621	3636944.466	ug/L	27.064
Rh	103		320658.686	ug/L	
Ag	107	836.309551	7896652.858	ug/L	10.564
Ag	109	853.408946	7651610.218	ug/L	26.179
Cd	111	1011.156469	2421061.619	ug/L	23.195
Cd	114	1041.383042	5773621.314	ug/L	12.284
In	115		405732.483	ug/L	
Sb	121	1012.684175	7463767.851	ug/L	91.947
Sb	123	1024.315466	5764966.132	ug/L	95.926
Ba	137	1041.871930	4158902.288	ug/L	4.987
Ba	138	1048.862748	26767041.218	ug/L	15.632
Tb	159		515707.076	ug/L	
Ho	165		489178.039	ug/L	
Hg	200	1.047345	1876.212	ug/L	0.019
Hg	202	1.048160	2455.023	ug/L	0.022
Tl	205	1053.736601	23624756.198	ug/L	8.059
Pb	208	1039.756622	32575474.978	ug/L	5.136
Bi	209		356334.070	ug/L	
Se	77	1074.502804	124834.515	ug/L	7.163

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		105.849
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 92.038
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 90.562
Sb
Sb
Ba
Ba
Tb
> Ho 91.851
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 96745.04 MSD
Sample Date/Time: Friday, February 11, 2011 19:39:30
Autosampler Position: 69
Sample Description: Aqdis
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.04 MSD.607

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11121.467	ug/L	
Be	9	899.996011	385902.218	ug/L	5.996
B	10	23.517811	2669.419	ug/L	0.054
B	11	22.974083	12112.519	ug/L	0.397
C	12		9555774.189	ug/L	
Na	23	24403.299814	197794738.914	ug/L	284.712
Mg	24	17125.482199	92944602.902	ug/L	151.747
Mg	25	16897.809695	13340424.104	ug/L	89.624
Al	27	9648.421990	79580783.718	ug/L	8.056
Si	28		20720158.123	ug/L	
P	31	10048.136592	3830692.346	ug/L	32.919
S	32		64294658.358	ug/L	
Cl	35		2780743.806	ug/L	
K	39	11889.394333	125096572.741	ug/L	242.396
Ca	44	23116.132535	7426724.223	ug/L	251.922
Sc	45		181477.483	ug/L	
Ti	47	23.897882	18876.767	ug/L	0.097
Ti	48	14.051768	112875.245	ug/L	1.393
V	51	927.842833	9432182.266	ug/L	9.098
ClO	51		9688482.616	ug/L	
Cr	52	921.228455	7739280.930	ug/L	9.007
Cr	53	778.171631	834726.624	ug/L	8.680
Fe	54	9659.940407	7003966.652	ug/L	68.651
Mn	55	1143.674739	15745177.041	ug/L	15.668
Fe	56	9957.443920	126143415.182	ug/L	39.051
Fe	57	10960.277971	2998916.679	ug/L	252.189
Co	59	896.549489	8931008.590	ug/L	1.119
Ni	60	786.082079	1665122.228	ug/L	6.250
Ni	62	796.835239	251596.327	ug/L	21.099
Cu	63	860.310809	4138044.640	ug/L	16.364
Zn	64	911.208337	2334920.385	ug/L	2.528
Cu	65	765.233717	1791892.336	ug/L	11.543
Zn	66	824.881293	1235780.284	ug/L	9.617
Zn	68	841.915659	872121.251	ug/L	4.091
Ge	72		134503.724	ug/L	
As	75	1014.801422	1448912.559	ug/L	10.066
ArCl	77		124274.228	ug/L	
Se	78	1144.196839	418674.624	ug/L	3.292
Br	79		14586.172	ug/L	

Br	81		24822.764	ug/L	
Se	82	1102.313541	175583.137	ug/L	12.886
Y	89		359445.838	ug/L	
Mo	95	1059.229859	3626290.902	ug/L	24.053
Rh	103		319159.136	ug/L	
Ag	107	838.820226	8004876.548	ug/L	11.667
Ag	109	853.181110	7731642.974	ug/L	24.399
Cd	111	999.710419	2419285.701	ug/L	9.288
Cd	114	1028.571246	5763159.408	ug/L	2.912
In	115		410000.406	ug/L	
Sb	121	1014.610177	7561728.184	ug/L	62.076
Sb	123	1016.454350	5784858.114	ug/L	69.234
Ba	137	1030.850036	4158376.404	ug/L	0.341
Ba	138	1035.267044	26701560.039	ug/L	1.072
Tb	159		512111.858	ug/L	
Ho	165		491758.260	ug/L	
Hg	200	1.040661	1874.212	ug/L	0.012
Hg	202	1.032908	2432.350	ug/L	0.007
Tl	205	1043.968734	23527669.413	ug/L	12.746
Pb	208	1025.985861	32310188.049	ug/L	16.621
Bi	209		354404.413	ug/L	
Se	77	1054.042143	122464.572	ug/L	4.686

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		105.497
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 91.387
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 91.515
Sb
Sb
Ba
Ba
Tb
Ho 92.336
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 96745.07
Sample Date/Time: Monday, February 14, 2011 15:33:23
Autosampler Position: 37
Sample Description: Ag rerun
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.07.764

Only Fe was needed

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		12216.204	ug/L	
Be	9	0.008926	7.000	ug/L	0.003
B	10	0.932445	282.007	ug/L	0.271
B	11	0.987983	1305.773	ug/L	0.107
C	12		568282.557	ug/L	
Na	23	152.153508	1209861.680	ug/L	4.891
Mg	24	5.507165	29487.373	ug/L	0.349
Mg	25	5.039452	3827.855	ug/L	0.109
Al	27	0.671256	7233.635	ug/L	0.182
Si	28		43722.586	ug/L	
P	31	-14.581013	3514.366	ug/L	0.374
S	32		69974483.705	ug/L	
Cl	35		75698.882	ug/L	
K	39	-0.214469	625568.742	ug/L	2.734
Ca	44	32.507654	24816.307	ug/L	1.704
Sc	45		146301.914	ug/L	
Ti	47	-0.336987	138.002	ug/L	0.005
Ti	48	0.055036	-485.808	ug/L	0.000
V	51	-0.808246	6877.673	ug/L	0.059
ClO	51		7120.860	ug/L	
Cr	52	-0.087409	3877.246	ug/L	0.003
Cr	53	-2.952237	2095.263	ug/L	0.147
Fe	54	-30.048467	17256.177	ug/L	0.684
Mn	55	-0.078995	1998.573	ug/L	0.009
Fe	56	-17.996920	1305427.536	ug/L	1.613
Fe	57	0.769681	5692.352	ug/L	0.166
Co	59	-0.010640	187.337	ug/L	0.001
Ni	60	-0.016106	114.335	ug/L	0.003
Ni	62	0.002080	49.667	ug/L	0.001
Cu	63	-0.066176	326.676	ug/L	0.001
Zn	64	0.036031	664.994	ug/L	0.001
Cu	65	-0.012564	104.668	ug/L	0.001
Zn	66	0.040523	370.678	ug/L	0.009
Zn	68	0.051196	327.676	ug/L	0.022
Ge	72		125755.831	ug/L	
As	75	0.113693	176.078	ug/L	0.019
ArCl	77		123.335	ug/L	
Se	78	-3.356911	8341.175	ug/L	0.264
Br	79		539.355	ug/L	

Br	81		12530.422	ug/L	
Se	82	0.453507	-14.687	ug/L	0.053
Y	89		329152.954	ug/L	
Mo	95	0.054194	233.339	ug/L	0.004
Rh	103		300833.041	ug/L	
Ag	107	1.942241	21147.461	ug/L	0.122
Ag	109	1.926462	19737.297	ug/L	0.157
Cd	111	0.045687	177.670	ug/L	0.006
Cd	114	0.017437	382.679	ug/L	0.007
In	115		358638.506	ug/L	
Sb	121	0.178497	1664.169	ug/L	0.007
Sb	123	0.172227	1265.550	ug/L	0.001
Ba	137	0.117805	532.688	ug/L	0.001
Ba	138	0.110817	3180.101	ug/L	0.004
Tb	159		426903.231	ug/L	
Ho	165		400965.054	ug/L	
Hg	200	0.003015	19.667	ug/L	0.000
Hg	202	0.005796	24.667	ug/L	0.003
Tl	205	0.124519	3259.622	ug/L	0.019
Pb	208	0.001672	791.355	ug/L	0.004
Bi	209		287835.496	ug/L	
Se	77	-2.363491	117.669	ug/L	0.004

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
\>	Sc		93.628
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
Ge 95.222
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
In 96.637
Sb
Sb
Ba
Ba
Tb
Ho 92.009
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 96745.06
Sample Date/Time: Monday, February 14, 2011 15:39:57
Autosampler Position: 38
Sample Description: Ag rerun
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.06.765

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11911.800	ug/L	
Be	9	0.009407	7.000	ug/L	0.011
B	10	0.962524	282.674	ug/L	0.135
B	11	0.906141	1243.431	ug/L	0.106
C	12		606305.439	ug/L	
Na	23	185.490859	1448027.364	ug/L	8.113
Mg	24	8.112467	42664.136	ug/L	0.286
Mg	25	7.661131	5705.694	ug/L	0.326
Al	27	0.336812	4611.634	ug/L	0.071
Si	28		54548.656	ug/L	
P	31	-14.540588	3474.345	ug/L	0.639
S	32		68107670.285	ug/L	
Cl	35		61214.848	ug/L	
K	39	14.155205	761158.912	ug/L	2.283
Ca	44	74.711562	37728.566	ug/L	6.375
Sc	45		144317.368	ug/L	
Ti	47	-0.297973	166.003	ug/L	0.001
Ti	48	0.090460	-193.920	ug/L	0.008
V	51	-0.875183	6128.793	ug/L	0.024
ClO	51		6413.326	ug/L	
Cr	52	-0.082258	3863.990	ug/L	0.024
Cr	53	-3.106114	1911.554	ug/L	0.137
Fe	54	-30.458204	16732.431	ug/L	0.922
Mn	55	0.040603	3598.081	ug/L	0.017
Fe	56	-18.390285	1283078.943	ug/L	1.099
Fe	57	-0.422409	5292.069	ug/L	0.589
Co	59	-0.000408	287.674	ug/L	0.001
Ni	60	0.106188	369.678	ug/L	0.003
Ni	62	0.092616	78.001	ug/L	0.002
Cu	63	0.032849	806.711	ug/L	0.008
Zn	64	3.495642	9566.753	ug/L	0.128
Cu	65	0.068209	292.674	ug/L	0.003
Zn	66	3.517786	5591.442	ug/L	0.099
Zn	68	3.485700	4027.265	ug/L	0.124
Ge	72		126233.043	ug/L	
As	75	0.116846	181.914	ug/L	0.002
ArCl	77		122.002	ug/L	
Se	78	-3.661411	8251.029	ug/L	0.119
Br	79		493.685	ug/L	

Br	81		12493.705	ug/L	
Se	82	0.319826	-38.897	ug/L	0.048
Y	89		324662.948	ug/L	
Mo	95	0.046135	205.004	ug/L	0.006
Rh	103		301500.887	ug/L	
Ag	107	0.956523	10498.544	ug/L	0.141
Ag	109	0.958418	9889.845	ug/L	0.132
Cd	111	0.043851	172.337	ug/L	0.007
Cd	114	0.026233	433.348	ug/L	0.001
In	115		357600.128	ug/L	
Sb	121	0.117601	1181.755	ug/L	0.002
Sb	123	0.111077	894.296	ug/L	0.002
Ba	137	0.299026	1286.104	ug/L	0.018
Ba	138	0.300394	8283.388	ug/L	0.006
Tb	159		433113.462	ug/L	
Ho	165		403947.586	ug/L	
Hg	200	0.000863	16.000	ug/L	0.001
Hg	202	0.001989	16.000	ug/L	0.001
Tl	205	0.087702	2447.021	ug/L	0.011
Pb	208	0.049421	2292.134	ug/L	0.001
Bi	209		286630.444	ug/L	
Se	77	-2.433593	108.335	ug/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		92.358
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

	Fe
	Co
	Ni
	Ni
	Cu
	Zn
	Cu
	Zn
	Zn
>	Ge
	As
	ArCl
	Se
	Br
	Br
	Se
	Y
	Mo
	Rh
	Ag
	Ag
	Cd
	Cd
>	In
	Sb
	Sb
	Ba
	Ba
	Tb
>	Ho
	Hg
	Hg
	Tl
	Pb
	Bi
	Se

95.583

96.357

92.693

Sample ID: 96745.07
Sample Date/Time: Friday, February 11, 2011 16:25:23
Autosampler Position: 48
Sample Description: Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.07.578

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10393.943	ug/L	
Be	9	0.027397	15.667	ug/L	0.001
B	10	1.534657	275.007	ug/L	0.064
B	11	1.397917	1228.095	ug/L	0.160
C	12		576042.753	ug/L	
Na	23	162.404642	1203628.854	ug/L	4.489
Mg	24	6.435623	31969.305	ug/L	0.269
Mg	25	5.647834	4134.687	ug/L	0.300
Al	27	0.954256	15401.244	ug/L	0.139
Si	28		57580.855	ug/L	
P	31	0.658945	9085.446	ug/L	1.574
S	32		76135591.273	ug/L	
Cl	35		8336612.118	ug/L	
K	39	0.289960	649111.259	ug/L	3.267
Ca	44	29.068380	30872.082	ug/L	3.664
Sc	45		163702.202	ug/L	
Ti	47	-0.052722	259.673	ug/L	0.021
Ti	48	0.133020	-604.916	ug/L	0.010
V	51	0.533881	20959.355	ug/L	0.030
ClO	51		21641.279	ug/L	
Cr	52	0.020270	4285.211	ug/L	0.029
Cr	53	1.569213	6792.271	ug/L	0.204
Fe	54	3.829114	39666.744	ug/L	4.887
Mn	55	-0.121211	3084.554	ug/L	0.015
Fe	56	-0.305333	1319918.102	ug/L	4.953
Fe	57	0.912130	5695.687	ug/L	0.577
Co	59	0.016668	463.350	ug/L	0.009
Ni	60	-0.210939	351.010	ug/L	0.003
Ni	62	-0.213252	85.001	ug/L	0.035
Cu	63	0.104532	1101.411	ug/L	0.005
Zn	64	1.426510	4600.488	ug/L	0.152
Cu	65	0.134260	479.017	ug/L	0.005
Zn	66	1.420166	2674.754	ug/L	0.042
Zn	68	1.462925	1975.901	ug/L	0.108
Ge	72		138372.358	ug/L	
As	75	0.083644	143.303	ug/L	0.025
ArCl	77		350.010	ug/L	
Se	78	-0.091282	8150.143	ug/L	0.850
Br	79		1148.084	ug/L	

Br	81		11708.988	ug/L	
Se	82	0.256719	-12.884	ug/L	0.035
Y	89		369133.721	ug/L	
Mo	95	0.080866	362.011	ug/L	0.004
Rh	103		341353.383	ug/L	
Ag	107	0.118209	1517.475	ug/L	0.003
Ag	109	0.121056	1433.128	ug/L	0.009
Cd	111	0.003339	78.001	ug/L	0.004
Cd	114	-0.013528	224.672	ug/L	0.006
In	115		431636.023	ug/L	
Sb	121	0.383109	3611.087	ug/L	0.010
Sb	123	0.389312	2779.023	ug/L	0.010
Ba	137	0.141953	674.698	ug/L	0.005
Ba	138	0.147433	4277.864	ug/L	0.013
Tb	159		545091.535	ug/L	
Ho	165		513263.396	ug/L	
Hg	200	0.000860	18.334	ug/L	0.001
Hg	202	-0.000371	15.667	ug/L	0.004
Tl	205	0.006037	723.369	ug/L	0.003
Pb	208	0.006855	1627.074	ug/L	0.005
Bi	209		395855.011	ug/L	
Se	77	-0.077704	366.678	ug/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		95.164
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 94.015
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 96.344
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 96.374
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 96745.06
Sample Date/Time: Friday, February 11, 2011 16:31:53
Autosampler Position: 49
Sample Description: Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.06.579

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10377.924	ug/L	
Be	9	0.005172	7.000	ug/L	0.004
B	10	1.290702	248.673	ug/L	0.027
B	11	1.252003	1151.084	ug/L	0.037
C	12		633519.277	ug/L	
Na	23	170.882746	1252199.019	ug/L	0.429
Mg	24	7.810107	38297.703	ug/L	0.237
Mg	25	7.782137	5595.615	ug/L	0.332
Al	27	1.838506	21758.196	ug/L	0.090
Si	28		67029.570	ug/L	
P	31	1.325428	9222.265	ug/L	0.443
S	32		79136008.663	ug/L	
Cl	35		8425217.224	ug/L	
K	39	24.595172	869360.670	ug/L	0.747
Ca	44	58.157843	38860.104	ug/L	1.916
Sc	45		161872.446	ug/L	
Ti	47	-0.028266	274.007	ug/L	0.015
Ti	48	0.185120	-220.996	ug/L	0.017
V	51	0.666015	21926.297	ug/L	0.038
ClO	51		22833.200	ug/L	
Cr	52	0.022053	4255.723	ug/L	0.013
Cr	53	1.971975	7103.178	ug/L	0.070
Fe	54	8.708038	42432.341	ug/L	1.192
Mn	55	-0.007668	4448.132	ug/L	0.002
Fe	56	5.330138	1369351.685	ug/L	0.373
Fe	57	6.203450	6923.329	ug/L	1.179
Co	59	0.010461	404.680	ug/L	0.003
Ni	60	-0.216365	336.676	ug/L	0.009
Ni	62	-0.210715	85.001	ug/L	0.024
Cu	63	0.169007	1366.116	ug/L	0.001
Zn	64	0.403587	2220.074	ug/L	0.038
Cu	65	0.196192	603.359	ug/L	0.021
Zn	66	0.410073	1297.106	ug/L	0.061
Zn	68	0.374294	951.059	ug/L	0.042
Ge	72		139397.951	ug/L	
As	75	0.056782	105.200	ug/L	0.025
ArCl	77		377.678	ug/L	
Se	78	-0.349375	8119.701	ug/L	0.286
Br	79		2808.129	ug/L	

Br	81		13709.136	ug/L	
Se	82	0.208136	-20.908	ug/L	0.008
Y	89		374195.265	ug/L	
Mo	95	0.071499	331.676	ug/L	0.000
Rh	103		350244.435	ug/L	
Ag	107	0.060247	934.725	ug/L	0.016
Ag	109	0.063456	881.052	ug/L	0.017
Cd	111	-0.007197	51.334	ug/L	0.006
Cd	114	-0.023314	167.337	ug/L	0.003
In	115		430771.761	ug/L	
Sb	121	0.279988	2798.125	ug/L	0.009
Sb	123	0.286892	2162.055	ug/L	0.001
Ba	137	0.438683	1931.224	ug/L	0.005
Ba	138	0.439494	12189.345	ug/L	0.005
Tb	159		534528.133	ug/L	
Ho	165		507274.487	ug/L	
Hg	200	-0.001186	14.333	ug/L	0.001
Hg	202	0.000339	17.334	ug/L	0.001
Tl	205	-0.004914	461.350	ug/L	0.001
Pb	208	0.075952	3855.023	ug/L	0.000
Bi	209		389754.431	ug/L	
Se	77	0.034536	379.678	ug/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		94.100
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 94.712
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 96.151
Sb
Sb
Ba
Ba
Tb
> Ho 95.249
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 96745.01
Sample Date/Time: Friday, February 11, 2011 16:38:25
Autosampler Position: 50
Sample Description: Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.01.580

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10588.830	ug/L	
Be	9	0.102572	52.667	ug/L	0.003
B	10	18.988036	2316.985	ug/L	0.101
B	11	19.195420	10861.927	ug/L	0.039
C	12		652368.920	ug/L	
Na	23	10701.816531	92108396.040	ug/L	45.736
Mg	24	5326.786582	30695476.053	ug/L	13.714
Mg	25	5204.056694	4362260.158	ug/L	6.472
Al	27	4.104530	45739.339	ug/L	0.013
Si	28		21701372.855	ug/L	
P	31	53.031984	31855.616	ug/L	3.103
S	32		77965733.083	ug/L	
Cl	35		9196589.630	ug/L	
K	39	1635.982471	18934205.392	ug/L	26.369
Ca	44	14996.491660	5124922.241	ug/L	3.885
Sc	45		192681.890	ug/L	
Ti	47	1.578385	1650.166	ug/L	0.014
Ti	48	6.607105	55343.638	ug/L	0.412
V	51	0.359842	22802.795	ug/L	0.028
ClO	51		23537.004	ug/L	
Cr	52	0.046750	5286.335	ug/L	0.034
Cr	53	0.909005	7253.298	ug/L	0.026
Fe	54	5107.082433	3952298.192	ug/L	36.016
Mn	55	1897.931139	27739531.911	ug/L	2.102
Fe	56	5058.622363	68807602.397	ug/L	17.816
Fe	57	4934.837345	1437271.609	ug/L	77.686
Co	59	1.002681	10975.732	ug/L	0.005
Ni	60	2.051760	5499.385	ug/L	0.021
Ni	62	1.694706	739.371	ug/L	0.151
Cu	63	1.827324	10093.034	ug/L	0.018
Zn	64	13.752485	38936.896	ug/L	0.127
Cu	65	1.818246	4750.288	ug/L	0.010
Zn	66	13.774710	22787.084	ug/L	0.100
Zn	68	14.003551	16110.090	ug/L	0.006
Ge	72		138624.937	ug/L	
As	75	0.533881	806.653	ug/L	0.023
ArCl	77		505.352	ug/L	
Se	78	-0.894431	7872.885	ug/L	0.328
Br	79		30235.324	ug/L	

Br	81		42729.782	ug/L	
Se	82	0.470966	22.351	ug/L	0.068
Y	89		368915.574	ug/L	
Mo	95	0.707924	2575.391	ug/L	0.015
Rh	103		332733.025	ug/L	
Ag	107	0.036762	672.032	ug/L	0.012
Ag	109	0.039901	631.029	ug/L	0.013
Cd	111	0.160188	459.350	ug/L	0.008
Cd	114	0.138179	1076.741	ug/L	0.011
In	115		415108.282	ug/L	
Sb	121	0.254116	2499.036	ug/L	0.028
Sb	123	0.257243	1910.834	ug/L	0.037
Ba	137	7.381326	30213.092	ug/L	0.077
Ba	138	7.439290	194512.406	ug/L	0.098
Tb	159		529195.017	ug/L	
Ho	165		503102.377	ug/L	
Hg	200	0.003257	22.334	ug/L	0.004
Hg	202	-0.000016	16.334	ug/L	0.001
Tl	205	0.038361	1455.464	ug/L	0.001
Pb	208	2.740796	89687.068	ug/L	0.001
Bi	209		390166.167	ug/L	
Se	77	1.027434	494.685	ug/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		112.010
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 94.187
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 92.655
Sb
Sb
Ba
Ba
Tb
> Ho 94.466
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 96745.02
Sample Date/Time: Friday, February 11, 2011 16:44:57
Autosampler Position: 51
Sample Description: Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.02.581

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10293.829	ug/L	
Be	9	0.027085	20.667	ug/L	0.004
B	10	147.720232	19229.511	ug/L	0.484
B	11	151.889514	91587.340	ug/L	0.108
C	12		733489.406	ug/L	
Na	23	55735.195630	542009661.204	ug/L	854.584
Mg	24	17237.820156	112222076.589	ug/L	367.927
Mg	25	16935.686796	16038233.416	ug/L	348.085
Al	27	7.097822	81300.053	ug/L	0.008
Si	28		48130869.173	ug/L	
P	31	291.451740	144754.468	ug/L	0.889
S	32		79533620.366	ug/L	
Cl	35		10017681.594	ug/L	
K	39	14926.423887	188200765.027	ug/L	22.529
Ca	44	43033.753940	16563467.908	ug/L	680.519
Sc	45		217720.549	ug/L	
Ti	47	3.621213	3767.819	ug/L	0.162
Ti	48	16.426752	158435.129	ug/L	2.752
V	51	0.261992	24569.070	ug/L	0.055
ClO	51		25527.046	ug/L	
Cr	52	0.307273	8596.625	ug/L	0.001
Cr	53	0.859237	8130.716	ug/L	0.154
Fe	54	24846.170342	21528542.448	ug/L	995.586
Mn	55	1093.850404	18065022.010	ug/L	19.631
Fe	56	24831.777776	374688941.646	ug/L	685.994
Fe	57	28036.945768	9190029.819	ug/L	1001.081
Co	59	6.891494	82769.581	ug/L	0.072
Ni	60	14.323528	37378.727	ug/L	0.280
Ni	62	13.499341	5303.266	ug/L	0.308
Cu	63	0.970068	6459.693	ug/L	0.015
Zn	64	4.230944	14743.719	ug/L	0.054
Cu	65	0.597891	1939.560	ug/L	0.007
Zn	66	3.910493	8031.627	ug/L	0.018
Zn	68	4.829440	6810.618	ug/L	0.080
Ge	72		139487.333	ug/L	
As	75	34.455920	51038.163	ug/L	0.338
ArCl	77		756.372	ug/L	
Se	78	-1.019262	7875.505	ug/L	0.080
Br	79		93703.787	ug/L	

Br	81		110372.407	ug/L	
Se	82	1.312128	161.533	ug/L	0.044
Y	89		362485.112	ug/L	
Mo	95	14.912977	53028.771	ug/L	0.180
Rh	103		318192.504	ug/L	
Ag	107	0.029755	598.026	ug/L	0.010
Ag	109	0.027967	516.354	ug/L	0.012
Cd	111	0.069107	233.339	ug/L	0.005
Cd	114	0.030054	458.016	ug/L	0.003
In	115		409901.526	ug/L	
Sb	121	0.239634	2361.664	ug/L	0.007
Sb	123	0.236529	1771.009	ug/L	0.015
Ba	137	47.402965	191230.633	ug/L	0.626
Ba	138	47.548706	1226294.516	ug/L	0.465
Tb	159		526371.263	ug/L	
Ho	165		493538.936	ug/L	
Hg	200	0.002066	19.667	ug/L	0.005
Hg	202	0.000657	17.667	ug/L	0.002
Tl	205	0.015192	903.054	ug/L	0.003
Pb	208	3.999357	127738.569	ug/L	0.075
Bi	209		348592.517	ug/L	
Se	77	3.177318	743.705	ug/L	0.020

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		126.566
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 94.773
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 91.493
Sb
Sb
Ba
Ba
Tb
> Ho 92.670
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 96745.05
Sample Date/Time: Friday, February 11, 2011 16:51:29
Autosampler Position: 52
Sample Description: Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.05.582

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10249.776	ug/L	
Be	9	0.052857	30.000	ug/L	0.008
B	10	25.687720	3077.552	ug/L	0.324
B	11	26.750725	14837.247	ug/L	0.119
C	12		643017.428	ug/L	
Na	23	16988.308380	145988168.467	ug/L	482.657
Mg	24	7982.808893	45933740.176	ug/L	106.375
Mg	25	7844.332692	6565733.884	ug/L	171.019
Al	27	9.426216	92207.865	ug/L	0.175
Si	28		25608534.606	ug/L	
P	31	12.568070	15494.751	ug/L	1.351
S	32		80991529.943	ug/L	
Cl	35		9305514.121	ug/L	
K	39	2470.749144	28166577.369	ug/L	69.700
Ca	44	14037.682641	4791974.176	ug/L	160.214
Sc	45		192405.448	ug/L	
Ti	47	1.858909	1878.880	ug/L	0.208
Ti	48	9.536515	80613.613	ug/L	0.594
V	51	0.369443	22872.633	ug/L	0.001
ClO	51		23545.354	ug/L	
Cr	52	0.323464	7741.143	ug/L	0.009
Cr	53	1.282782	7664.973	ug/L	0.032
Fe	54	6645.839021	5122415.162	ug/L	39.992
Mn	55	296.468729	4331388.819	ug/L	1.148
Fe	56	6663.689434	90016036.259	ug/L	46.955
Fe	57	6605.419334	1918891.485	ug/L	154.897
Co	59	0.323031	3782.158	ug/L	0.002
Ni	60	1.132421	3427.680	ug/L	0.029
Ni	62	0.855390	457.683	ug/L	0.048
Cu	63	1.823033	10056.994	ug/L	0.012
Zn	64	12.968655	36753.964	ug/L	0.053
Cu	65	1.772967	4630.892	ug/L	0.032
Zn	66	12.868914	21316.843	ug/L	0.084
Zn	68	13.014597	15001.852	ug/L	0.090
Ge	72		139713.768	ug/L	
As	75	0.355254	549.960	ug/L	0.095
ArCl	77		561.356	ug/L	
Se	78	-0.226284	8182.687	ug/L	0.283
Br	79		26886.360	ug/L	

Br	81		38988.213	ug/L	
Se	82	0.565008	38.073	ug/L	0.018
Y	89		367491.763	ug/L	
Mo	95	0.255494	986.730	ug/L	0.001
Rh	103		330962.165	ug/L	
Ag	107	0.022606	541.355	ug/L	0.001
Ag	109	0.027220	521.354	ug/L	0.007
Cd	111	0.066390	231.672	ug/L	0.005
Cd	114	0.047245	566.690	ug/L	0.000
In	115		419002.812	ug/L	
Sb	121	0.221129	2273.307	ug/L	0.004
Sb	123	0.217287	1697.915	ug/L	0.002
Ba	137	3.697358	15308.365	ug/L	0.073
Ba	138	3.707113	97943.060	ug/L	0.124
Tb	159		524012.239	ug/L	
Ho	165		500778.021	ug/L	
Hg	200	0.000942	18.000	ug/L	0.002
Hg	202	0.001131	19.000	ug/L	0.001
Tl	205	0.008638	766.373	ug/L	0.002
Pb	208	2.089670	68385.658	ug/L	0.042
Bi	209		374528.567	ug/L	
Se	77	1.384305	536.021	ug/L	0.122

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
\>	Sc		111.850
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
| Zn
> Ge 94.927
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 93.524
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 94.029
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 96745.04
Sample Date/Time: Friday, February 11, 2011 16:58:02
Autosampler Position: 53
Sample Description: Aqtot
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.04.583

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10631.546	ug/L	
Be	9	0.041827	25.334	ug/L	0.006
B	10	24.615207	2997.524	ug/L	0.388
B	11	24.617004	13905.766	ug/L	0.105
C	12		621355.920	ug/L	
Na	23	16229.099694	141463751.461	ug/L	277.499
Mg	24	7836.598284	45737442.141	ug/L	101.401
Mg	25	7637.215101	6483880.921	ug/L	68.183
Al	27	8.473459	85061.228	ug/L	1.268
Si	28		24072326.275	ug/L	
P	31	8.664219	14119.038	ug/L	0.999
S	32		80551619.123	ug/L	
Cl	35		9168448.181	ug/L	
K	39	2387.644832	27632663.742	ug/L	33.753
Ca	44	13825.401390	4787378.682	ug/L	92.208
Sc	45		195151.043	ug/L	
Ti	47	1.675334	1752.186	ug/L	0.015
Ti	48	8.788763	75193.109	ug/L	0.470
V	51	0.262935	22036.897	ug/L	0.001
ClO	51		22711.229	ug/L	
Cr	52	0.164466	6416.049	ug/L	0.015
Cr	53	0.905379	7342.037	ug/L	0.012
Fe	54	5245.721542	4110384.642	ug/L	66.101
Mn	55	294.160714	4359105.777	ug/L	2.916
Fe	56	5306.500738	73024831.882	ug/L	112.420
Fe	57	5404.280591	1593459.720	ug/L	99.698
Co	59	0.262029	3182.589	ug/L	0.007
Ni	60	0.837454	2805.127	ug/L	0.013
Ni	62	0.615232	382.679	ug/L	0.074
Cu	63	1.656454	9338.888	ug/L	0.018
Zn	64	11.701472	33788.657	ug/L	0.002
Cu	65	1.592800	4243.366	ug/L	0.058
Zn	66	11.649673	19658.428	ug/L	0.007
Zn	68	11.727670	13783.245	ug/L	0.101
Ge	72		139637.606	ug/L	
As	75	0.211383	334.056	ug/L	0.113
ArCl	77		568.357	ug/L	
Se	78	-0.169282	8201.171	ug/L	0.286
Br	79		24306.745	ug/L	

Br	81		36557.735	ug/L	
Se	82	0.578151	40.207	ug/L	0.116
Y	89		365688.745	ug/L	
Mo	95	0.197915	781.375	ug/L	0.018
Rh	103		331181.908	ug/L	
Ag	107	0.015576	471.684	ug/L	0.001
Ag	109	0.019115	444.349	ug/L	0.007
Cd	111	0.057321	209.004	ug/L	0.004
Cd	114	0.040922	529.354	ug/L	0.002
In	115		418137.439	ug/L	
Sb	121	0.177138	1933.559	ug/L	0.015
Sb	123	0.174848	1448.076	ug/L	0.010
Ba	137	3.540824	14636.921	ug/L	0.023
Ba	138	3.570897	94198.509	ug/L	0.019
Tb	159		527009.687	ug/L	
Ho	165		500244.241	ug/L	
Hg	200	-0.001624	13.333	ug/L	0.001
Hg	202	-0.000118	16.000	ug/L	0.000
Tl	205	0.004929	680.699	ug/L	0.001
Pb	208	2.207486	72091.665	ug/L	0.009
Bi	209		380945.377	ug/L	
Se	77	1.611667	562.356	ug/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		113.446
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 94.875
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 93.331
Sb
Sb
Ba
Ba
Tb
> Ho 93.929
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 96745.04 MS
Sample Date/Time: Friday, February 11, 2011 17:04:35
Autosampler Position: 54
Sample Description: Aqtot pre
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.04 MS.584

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		11033.363	ug/L	
Be	9	895.072888	400110.580	ug/L	1.706
B	10	24.883174	2935.837	ug/L	0.106
B	11	25.236174	13804.953	ug/L	0.521
C	12		1564734.709	ug/L	
Na	23	26540.197543	224260347.891	ug/L	29.963
Mg	24	17956.509449	101584233.081	ug/L	248.879
Mg	25	17077.013105	14051519.208	ug/L	441.768
Al	27	9422.649199	81005048.304	ug/L	203.805
Si	28		23149010.232	ug/L	
P	31	9191.228300	3653740.294	ug/L	3.266
S	32		77114110.854	ug/L	
Cl	35		11272763.255	ug/L	
K	39	11855.417420	130049457.895	ug/L	34.157
Ca	44	24125.540273	8079599.787	ug/L	68.276
Sc	45		189188.633	ug/L	
Ti	47	24.668676	20305.870	ug/L	0.430
Ti	48	14.016828	117241.879	ug/L	1.425
V	51	943.992377	10001799.931	ug/L	22.015
ClO	51		10341148.455	ug/L	
Cr	52	945.562183	8280307.928	ug/L	11.717
Cr	53	785.522488	878192.919	ug/L	14.372
Fe	54	13328.526939	10056623.065	ug/L	239.107
Mn	55	1244.317410	17854127.934	ug/L	33.630
Fe	56	13403.389599	176446105.440	ug/L	292.288
Fe	57	14672.619682	4181919.521	ug/L	517.999
Co	59	919.803897	9549851.663	ug/L	21.909
Ni	60	791.984263	1748728.087	ug/L	7.339
Ni	62	808.409988	266042.310	ug/L	13.144
Cu	63	858.754168	4304886.000	ug/L	22.485
Zn	64	844.265118	2254924.801	ug/L	19.509
Cu	65	756.919609	1847393.451	ug/L	13.144
Zn	66	761.932626	1189823.539	ug/L	13.623
Zn	68	778.920788	841132.637	ug/L	6.418
Ge	72		135040.934	ug/L	
As	75	974.368999	1396810.431	ug/L	9.742
ArCl	77		109125.479	ug/L	
Se	78	981.067690	361550.501	ug/L	4.443
Br	79		24340.507	ug/L	

Br	81		35937.928	ug/L	
Se	82	963.678166	154112.327	ug/L	2.567
Y	89		363725.630	ug/L	
Mo	95	1144.934366	3935409.560	ug/L	19.298
Rh	103		326808.594	ug/L	
Ag	107	89.302162	865410.445	ug/L	0.057
Ag	109	75.710421	698463.335	ug/L	12.800
Cd	111	1024.508772	2516018.984	ug/L	28.043
Cd	114	1059.300602	6023439.303	ug/L	25.327
In	115		416223.948	ug/L	
Sb	121	1130.801456	8550117.357	ug/L	63.318
Sb	123	1134.042141	6548393.563	ug/L	58.084
Ba	137	1091.011073	4466287.202	ug/L	27.274
Ba	138	1091.672191	28571389.654	ug/L	33.712
Tb	159		524774.608	ug/L	
Ho	165		500831.380	ug/L	
Hg	200	1.015714	1863.210	ug/L	0.016
Hg	202	1.016027	2437.018	ug/L	0.023
Tl	205	1082.965425	24859189.546	ug/L	1.484
Pb	208	1059.555358	33987029.643	ug/L	1.433
Bi	209		364271.792	ug/L	
Se	77	940.036620	109259.400	ug/L	0.441

QC Calculated 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 91.752
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
| Mo
| Rh
| Ag
| Ag
| Cd
| Cd
> In 92.904
| Sb
| Sb
| Ba
| Ba
| Tb
> Ho 94.039
| Hg
| Hg
| Tl
| Pb
| Bi
Se

Sample ID: 96745.04 MSD
Sample Date/Time: Friday, February 11, 2011 17:11:04
Autosampler Position: 55
Sample Description: Aqtot pre
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.04 MSD.585

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10914.548	ug/L	
Be	9	889.330639	397778.141	ug/L	0.858
B	10	24.934247	2943.506	ug/L	0.118
B	11	24.554843	13456.754	ug/L	0.032
C	12		1667279.222	ug/L	
Na	23	26312.431837	222459503.135	ug/L	220.213
Mg	24	18085.744681	102382008.428	ug/L	328.647
Mg	25	17396.013275	14324992.573	ug/L	296.038
Al	27	9368.220634	80600427.683	ug/L	38.865
Si	28		23454329.032	ug/L	
P	31	9367.080232	3725799.442	ug/L	52.954
S	32		77097191.207	ug/L	
Cl	35		11248442.929	ug/L	
K	39	12065.247245	132412058.037	ug/L	46.067
Ca	44	24627.725280	8252156.091	ug/L	108.362
Sc	45		189302.718	ug/L	
Ti	47	25.629190	21094.669	ug/L	0.607
Ti	48	12.816307	107175.351	ug/L	0.941
V	51	949.620150	10068752.713	ug/L	17.237
ClO	51		10364089.249	ug/L	
Cr	52	932.374852	8170596.327	ug/L	4.084
Cr	53	779.463963	872120.563	ug/L	3.783
Fe	54	13263.778540	10015502.260	ug/L	50.753
Mn	55	1213.467501	17425277.556	ug/L	18.875
Fe	56	13377.799962	176257718.230	ug/L	71.101
Fe	57	14813.544866	4225829.991	ug/L	95.847
Co	59	907.613063	9430915.445	ug/L	2.898
Ni	60	784.763177	1733981.265	ug/L	0.411
Ni	62	800.802323	263746.228	ug/L	5.091
Cu	63	854.003190	4284845.983	ug/L	6.899
Zn	64	857.682062	2292519.391	ug/L	7.484
Cu	65	757.140218	1849378.041	ug/L	3.221
Zn	66	778.697426	1216926.891	ug/L	1.218
Zn	68	790.203204	853853.098	ug/L	6.848
Ge	72		136172.291	ug/L	
As	75	973.451219	1407113.580	ug/L	10.108
ArCl	77		112049.752	ug/L	
Se	78	995.064226	369664.286	ug/L	6.049
Br	79		20908.242	ug/L	

Br	81		32056.089	ug/L	
Se	82	972.384568	156805.043	ug/L	4.508
Y	89		356962.709	ug/L	
Mo	95	1127.566565	3908146.460	ug/L	22.507
Rh	103		320688.964	ug/L	
Ag	107	78.893850	753235.014	ug/L	6.169
Ag	109	106.044074	961664.445	ug/L	14.660
Cd	111	1060.504090	2565601.929	ug/L	23.537
Cd	114	1082.028971	6060760.937	ug/L	21.011
In	115		409904.470	ug/L	
Sb	121	1137.046503	8471495.225	ug/L	58.516
Sb	123	1144.214877	6510010.894	ug/L	57.890
Ba	137	1103.004138	4448192.027	ug/L	10.861
Ba	138	1108.274805	28576459.827	ug/L	12.616
Tb	159		508827.055	ug/L	
Ho	165		492777.898	ug/L	
Hg	200	1.026643	1852.874	ug/L	0.028
Hg	202	1.026427	2422.347	ug/L	0.041
Tl	205	1090.558745	24630888.580	ug/L	2.556
Pb	208	1076.826033	33985669.647	ug/L	0.981
Bi	209		359829.159	ug/L	
Se	77	961.595121	111756.504	ug/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		110.046
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 92.521
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 91.493
Sb
Sb
Ba
Ba
Tb
> Ho 92.527
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 96745.02
Sample Date/Time: Monday, February 14, 2011 15:46:30
Autosampler Position: 39
Sample Description: 1:1 Sc mets + Ca LR
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.02.766

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		12076.025	ug/L	
Be	9	0.017939	13.000	ug/L	0.009
B	10	91.395359	13489.803	ug/L	3.094
B	11	91.253984	61393.887	ug/L	2.996
C	12		667724.433	ug/L	
Na	23	31889.835457	297387311.921	ug/L	430.751
Mg	24	9570.476614	60736625.323	ug/L	275.585
Mg	25	9530.697913	8560130.606	ug/L	267.896
Al	27	5.004923	48782.065	ug/L	0.155
Si	28		24239654.901	ug/L	
P	31	160.299768	81599.369	ug/L	5.700
S	32		75335227.379	ug/L	
Cl	35		9176854.652	ug/L	
K	39	8408.067157	103390157.750	ug/L	367.703
Ca	44	24441.877480	9386610.709	ug/L	415.976
Sc	45		175871.039	ug/L	
Ti	47	1.703593	2066.256	ug/L	0.024
Ti	48	10.445744	100509.293	ug/L	3.076
V	51	-0.037993	17541.753	ug/L	0.072
ClO	51		18229.448	ug/L	
Cr	52	0.102737	6590.025	ug/L	0.022
Cr	53	-0.147370	5966.350	ug/L	0.196
Fe	54	13809.295420	11763112.284	ug/L	780.655
Mn	55	601.790258	9986358.444	ug/L	21.584
Fe	56	13590.417411	200765650.913	ug/L	627.158
Fe	57	15259.230002	4980574.116	ug/L	860.675
Co	59	3.695138	45461.178	ug/L	0.082
Ni	60	7.878751	20358.643	ug/L	0.138
Ni	62	7.285150	2899.158	ug/L	0.365
Cu	63	0.493117	3730.136	ug/L	0.017
Zn	64	2.577129	8775.459	ug/L	0.117
Cu	65	0.352235	1168.753	ug/L	0.011
Zn	66	2.460766	4877.690	ug/L	0.098
Zn	68	2.835373	4054.278	ug/L	0.063
Ge	72		122356.584	ug/L	
As	75	17.946298	28203.521	ug/L	0.198
ArCl	77		601.693	ug/L	
Se	78	-3.109284	8212.208	ug/L	0.054
Br	79		55796.252	ug/L	

Br	81		71164.509	ug/L	
Se	82	1.207538	117.694	ug/L	0.098
Y	89		311425.736	ug/L	
Mo	95	7.524548	26544.630	ug/L	0.075
Rh	103		279270.014	ug/L	
Ag	107	0.084638	1069.074	ug/L	0.014
Ag	109	0.083906	981.063	ug/L	0.006
Cd	111	0.051103	178.670	ug/L	0.001
Cd	114	0.016819	352.677	ug/L	0.001
In	115		334323.722	ug/L	
Sb	121	0.349371	2800.459	ug/L	0.010
Sb	123	0.349774	2176.483	ug/L	0.010
Ba	137	23.252208	90685.979	ug/L	0.226
Ba	138	23.106086	582619.527	ug/L	0.623
Tb	159		412013.211	ug/L	
Ho	165		385692.595	ug/L	
Hg	200	0.003084	19.000	ug/L	0.003
Hg	202	0.003199	18.000	ug/L	0.001
Tl	205	0.011079	684.699	ug/L	0.001
Pb	208	2.085005	63012.633	ug/L	0.036
Bi	209		290914.514	ug/L	
Se	77	1.024038	568.690	ug/L	0.290

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		112.551
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

Fe
Co
Ni
Ni
Cu
Zn
Cu
Zn
Zn
> Ge 92.648
As
ArCl
Se
Br
Br
Se
Y
Mo
Rh
Ag
Ag
Cd
Cd
> In 90.085
Sb
Sb
Ba
Ba
Tb
> Ho 88.504
Hg
Hg
Tl
Pb
Bi
Se

Sample ID: 96745.02
Sample Date/Time: Monday, February 14, 2011 15:53:01
Autosampler Position: 40
Sample Description: rerun
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.02.767

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		12129.425	ug/L	
Be	9	0.023214	18.334	ug/L	0.000
B	10	151.662960	25807.176	ug/L	0.088
B	11	150.038059	116377.670	ug/L	1.996
C	12		820874.184	ug/L	
Na	23	S	S	ug/L	S
Mg	24	16203.790322	119240989.659	ug/L	300.647
Mg	25	15880.599521	16535786.809	ug/L	628.626
Al	27	7.801565	86492.267	ug/L	0.664
Si	28		47147111.893	ug/L	
P	31	272.905359	152375.011	ug/L	10.602
S	32		76666248.428	ug/L	
Cl	35		10291318.976	ug/L	
K	39	13765.582569	195733107.454	ug/L	500.309
Ca	44	39872.242582	17736762.409	ug/L	1452.392
Sc	45		203875.792	ug/L	
Ti	47	3.008686	3803.834	ug/L	0.100
Ti	48	19.632515	221356.671	ug/L	1.867
V	51	-0.035010	20386.372	ug/L	0.047
ClO	51		21394.362	ug/L	
Cr	52	0.229515	9134.364	ug/L	0.023
Cr	53	-0.091415	6997.763	ug/L	0.209
Fe	54	23344.588156	23026532.263	ug/L	969.247
Mn	55	1006.145120	19358002.851	ug/L	28.354
Fe	56	23362.505438	398695796.831	ug/L	917.597
Fe	57	25387.700296	9605915.682	ug/L	1000.390
Co	59	6.166521	87674.668	ug/L	0.209
Ni	60	13.287648	39658.723	ug/L	0.457
Ni	62	12.338669	5647.477	ug/L	0.396
Cu	63	0.842938	6744.569	ug/L	0.035
Zn	64	3.852944	14821.154	ug/L	0.117
Cu	65	0.570228	2077.592	ug/L	0.022
Zn	66	3.660488	8203.782	ug/L	0.126
Zn	68	4.202367	6784.265	ug/L	0.108
Ge	72		123544.504	ug/L	
As	75	34.534330	54805.919	ug/L	0.281
ArCl	77		789.709	ug/L	
Se	78	-3.462151	8153.216	ug/L	0.124
Br	79		109876.878	ug/L	

Br	81		128864.046	ug/L	
Se	82	2.038812	265.813	ug/L	0.067
Y	89		313435.834	ug/L	
Mo	95	15.002404	53399.915	ug/L	0.250
Rh	103		272868.215	ug/L	
Ag	107	0.052737	746.372	ug/L	0.007
Ag	109	0.051326	670.032	ug/L	0.012
Cd	111	0.071650	228.005	ug/L	0.004
Cd	114	0.032889	440.348	ug/L	0.004
In	115		333069.327	ug/L	
Sb	121	0.331580	2660.083	ug/L	0.018
Sb	123	0.326361	2037.110	ug/L	0.020
Ba	137	46.508748	180659.731	ug/L	1.163
Ba	138	45.898169	1152883.366	ug/L	1.097
Tb	159		409929.235	ug/L	
Ho	165		383674.362	ug/L	
Hg	200	0.005323	22.667	ug/L	0.001
Hg	202	0.004610	21.000	ug/L	0.001
Tl	205	0.014107	746.038	ug/L	0.002
Pb	208	3.953811	118246.294	ug/L	0.006
Bi	209		281328.044	ug/L	
Se	77	2.310992	740.038	ug/L	0.078

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		130.473
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 93.547
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 89.747
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 88.041
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 96745.04 MS
Sample Date/Time: Friday, February 11, 2011 17:58:52
Autosampler Position: 58
Sample Description: Aqtot post
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.04 MS.592

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10886.515	ug/L	
Be	9	885.175809	381515.040	ug/L	5.132
B	10	23.753082	2708.764	ug/L	0.581
B	11	24.084899	12732.037	ug/L	0.259
C	12		1237620.265	ug/L	
Na	23	26444.678827	215458044.124	ug/L	479.875
Mg	24	17669.930974	96399951.645	ug/L	365.632
Mg	25	17017.211318	13504934.482	ug/L	577.977
Al	27	9508.883229	78838979.247	ug/L	272.310
Si	28		22160818.730	ug/L	
P	31	9399.824791	3602782.306	ug/L	157.981
S	32		75715420.040	ug/L	
Cl	35		10460976.851	ug/L	
K	39	11885.721595	125711617.584	ug/L	114.668
Ca	44	24155.796018	7800085.606	ug/L	338.163
Sc	45		182417.343	ug/L	
Ti	47	25.577559	20284.809	ug/L	0.257
Ti	48	12.115522	97562.809	ug/L	0.274
V	51	928.479517	9487836.887	ug/L	12.626
ClO	51		9737148.258	ug/L	
Cr	52	926.904330	7827366.392	ug/L	2.835
Cr	53	777.639823	838464.536	ug/L	0.155
Fe	54	14564.346855	10593473.931	ug/L	220.728
Mn	55	1198.511389	16585880.833	ug/L	9.783
Fe	56	14647.033401	185819195.425	ug/L	154.589
Fe	57	16364.331702	4498138.091	ug/L	681.969
Co	59	898.303008	8994856.554	ug/L	4.740
Ni	60	788.584379	1679031.714	ug/L	6.515
Ni	62	796.469031	252770.090	ug/L	4.327
Cu	63	842.424575	4072865.304	ug/L	2.630
Zn	64	806.531177	2077306.240	ug/L	80.287
Cu	65	765.969119	1802826.968	ug/L	10.577
Zn	66	775.853406	1168350.341	ug/L	14.661
Zn	68	794.925548	827728.059	ug/L	10.467
Ge	72		134839.429	ug/L	
As	75	945.941855	1353932.669	ug/L	5.911
ArCl	77		106760.956	ug/L	
Se	78	947.839346	349027.998	ug/L	10.095
Br	79		24045.712	ug/L	

Br	81		35742.179	ug/L	
Se	82	950.381569	151748.092	ug/L	7.091
Y	89		351926.817	ug/L	
Mo	95	1077.264257	3696280.234	ug/L	41.341
Rh	103		314002.813	ug/L	
Ag	107	885.909828	8143296.522	ug/L	11.411
Ag	109	908.547020	7931631.772	ug/L	6.236
Cd	111	1037.704253	2418988.763	ug/L	15.034
Cd	114	1057.164416	5705784.800	ug/L	12.163
In	115		394960.311	ug/L	
Sb	121	1113.774765	7995351.967	ug/L	58.633
Sb	123	1121.428508	6147289.237	ug/L	68.645
Ba	137	1080.693276	4199054.693	ug/L	23.651
Ba	138	1095.109342	27206519.339	ug/L	19.499
Tb	159		507829.325	ug/L	
Ho	165		482559.087	ug/L	
Hg	200	1.044864	1846.206	ug/L	0.051
Hg	202	1.061969	2453.689	ug/L	0.001
Tl	205	1075.060310	23776828.999	ug/L	12.894
Pb	208	1047.833060	32384094.958	ug/L	14.229
Bi	209		358674.822	ug/L	
Se	77	909.044798	105669.641	ug/L	3.599

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
⌈	Li		
|	Be		
|	B		
|	B		
|	C		
|	Na		
|	Mg		
|	Mg		
|	Al		
|	Si		
|	P		
|	S		
|	Cl		
|	K		
|	Ca		
|>	Sc		106.043
|	Ti		
|	Ti		
|	V		
|	ClO		
|	Cr		
|	Cr		
|	Fe		
|	Mn		
|	Fe		

| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 91.615
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 88.158
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 90.608
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

Sample ID: 96745.04 MSD
Sample Date/Time: Friday, February 11, 2011 18:05:25
Autosampler Position: 59
Sample Description: Aqtot post
Batch ID:
Method File: C:\Elandata\Method\tim.mth
Dataset File: C:\Elandata\Dataset\default\96745.04 MSD.593

Concentration Results

Analyte	Mass	Conc. Mean	Meas. Intens. Mean	Report Unit	Conc. SD
Li	6		10720.985	ug/L	
Be	9	884.447517	377729.098	ug/L	14.150
B	10	24.015614	2712.432	ug/L	0.231
B	11	23.959494	12549.782	ug/L	0.869
C	12		1243640.237	ug/L	
Na	23	25947.534214	209367573.074	ug/L	1228.884
Mg	24	17590.246221	95058581.740	ug/L	611.651
Mg	25	17031.619019	13389455.437	ug/L	515.731
Al	27	9659.716510	79346103.758	ug/L	232.270
Si	28		22055997.004	ug/L	
P	31	9482.479755	3601468.955	ug/L	105.457
S	32		76719319.092	ug/L	
Cl	35		10444523.543	ug/L	
K	39	12308.292726	128934689.117	ug/L	388.324
Ca	44	24078.913801	7702769.257	ug/L	683.566
Sc	45		180802.513	ug/L	
Ti	47	26.420283	20749.863	ug/L	0.565
Ti	48	14.148923	113196.324	ug/L	0.217
V	51	951.133991	9628475.214	ug/L	25.276
ClO	51		9812024.395	ug/L	
Cr	52	937.691145	7845793.289	ug/L	18.347
Cr	53	790.232946	844115.177	ug/L	16.504
Fe	54	15058.362865	10851391.929	ug/L	273.182
Mn	55	1226.629268	16814187.298	ug/L	45.166
Fe	56	14982.981946	188264924.124	ug/L	472.851
Fe	57	16552.310027	4504456.145	ug/L	1061.383
Co	59	918.755464	9111982.609	ug/L	37.498
Ni	60	790.724677	1667555.038	ug/L	32.749
Ni	62	807.708494	253946.912	ug/L	23.114
Cu	63	858.269912	4110656.616	ug/L	26.276
Zn	64	861.309931	2197476.626	ug/L	34.128
Cu	65	757.066047	1765160.029	ug/L	25.105
Zn	66	777.843082	1160512.515	ug/L	19.787
Zn	68	796.601283	821771.616	ug/L	21.661
Ge	72		133298.227	ug/L	
As	75	951.277986	1345985.295	ug/L	10.175
ArCl	77		106343.564	ug/L	
Se	78	969.596115	352731.037	ug/L	33.996
Br	79		25600.645	ug/L	

Br	81		36810.430	ug/L	
Se	82	950.876170	150082.444	ug/L	18.444
Y	89		352634.994	ug/L	
Mo	95	1109.871278	3765747.018	ug/L	3.293
Rh	103		313233.376	ug/L	
Ag	107	887.462993	8177958.637	ug/L	11.660
Ag	109	901.650522	7890889.274	ug/L	0.724
Cd	111	1048.080137	2449304.997	ug/L	6.790
Cd	114	1069.848730	5788650.677	ug/L	1.127
In	115		395923.127	ug/L	
Sb	121	1144.774842	8240179.683	ug/L	49.512
Sb	123	1143.069102	6283186.275	ug/L	49.960
Ba	137	1079.553954	4205323.464	ug/L	7.843
Ba	138	1086.093840	27050714.625	ug/L	3.423
Tb	159		501935.304	ug/L	
Ho	165		477862.235	ug/L	
Hg	200	1.058576	1852.207	ug/L	0.003
Hg	202	1.013617	2319.652	ug/L	0.022
Tl	205	1075.863053	23562523.495	ug/L	9.429
Pb	208	1057.160120	32352382.083	ug/L	19.244
Bi	209		346119.288	ug/L	
Se	77	916.641211	106549.527	ug/L	9.845

QC Calculated Values

	Analyte	QC Std % Recovery	Int Std % Recovery
	Li		
	Be		
	B		
	B		
	C		
	Na		
	Mg		
	Mg		
	Al		
	Si		
	P		
	S		
	Cl		
	K		
	Ca		
>	Sc		105.104
	Ti		
	Ti		
	V		
	ClO		
	Cr		
	Cr		
	Fe		
	Mn		
	Fe		

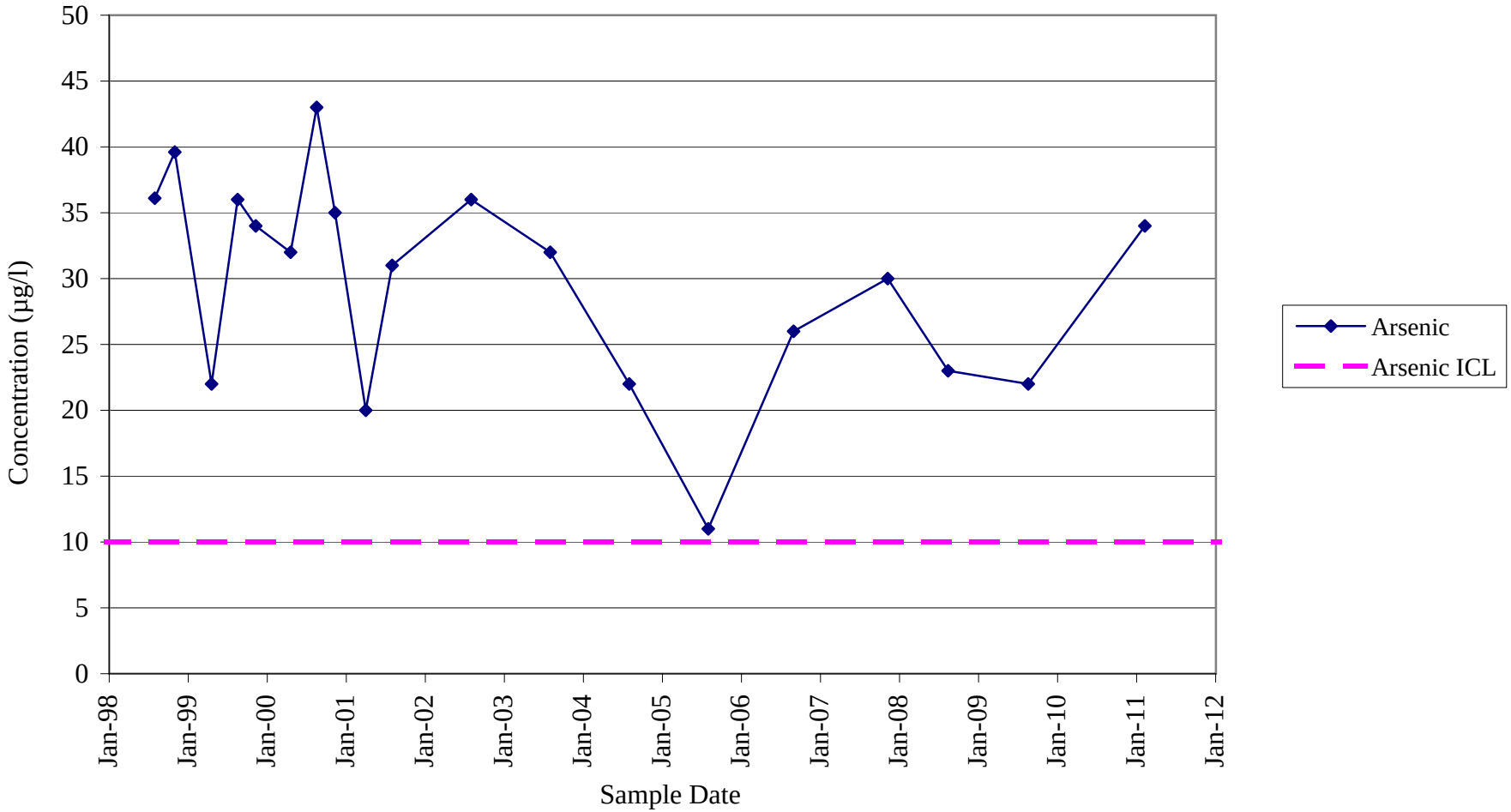
| Fe
| Co
| Ni
| Ni
| Cu
| Zn
| Cu
| Zn
└ Zn
┌> Ge 90.568
| As
| ArCl
| Se
| Br
| Br
| Se
| Y
└ Mo
┌ Rh
| Ag
| Ag
| Cd
| Cd
|> In 88.373
| Sb
| Sb
| Ba
└ Ba
┌ Tb
|> Ho 89.726
| Hg
| Hg
| Tl
| Pb
└ Bi
Se

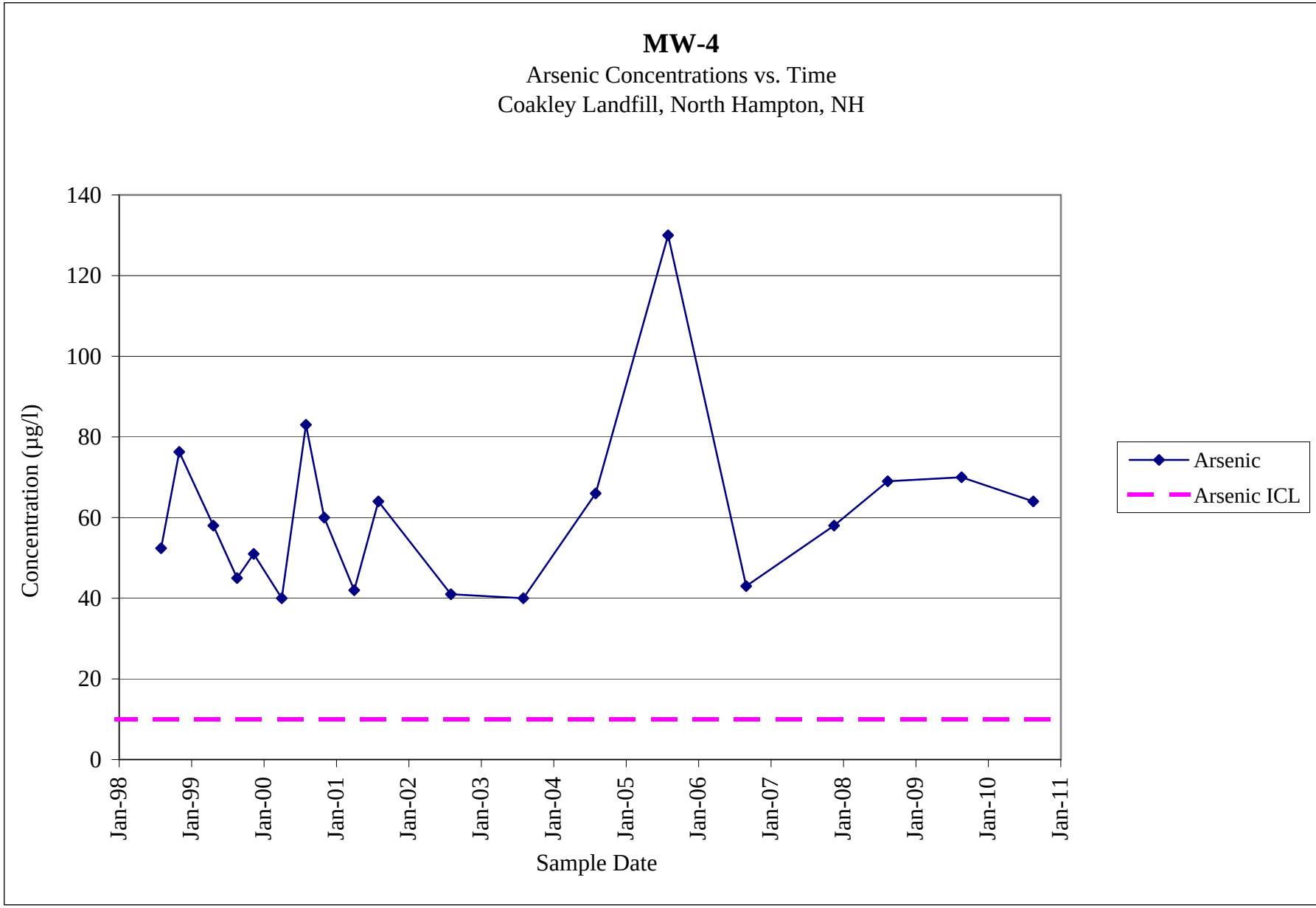
SECTION 4

BP-4

Arsenic Concentrations vs. Time

Coakley Landfill, North Hampton, NH

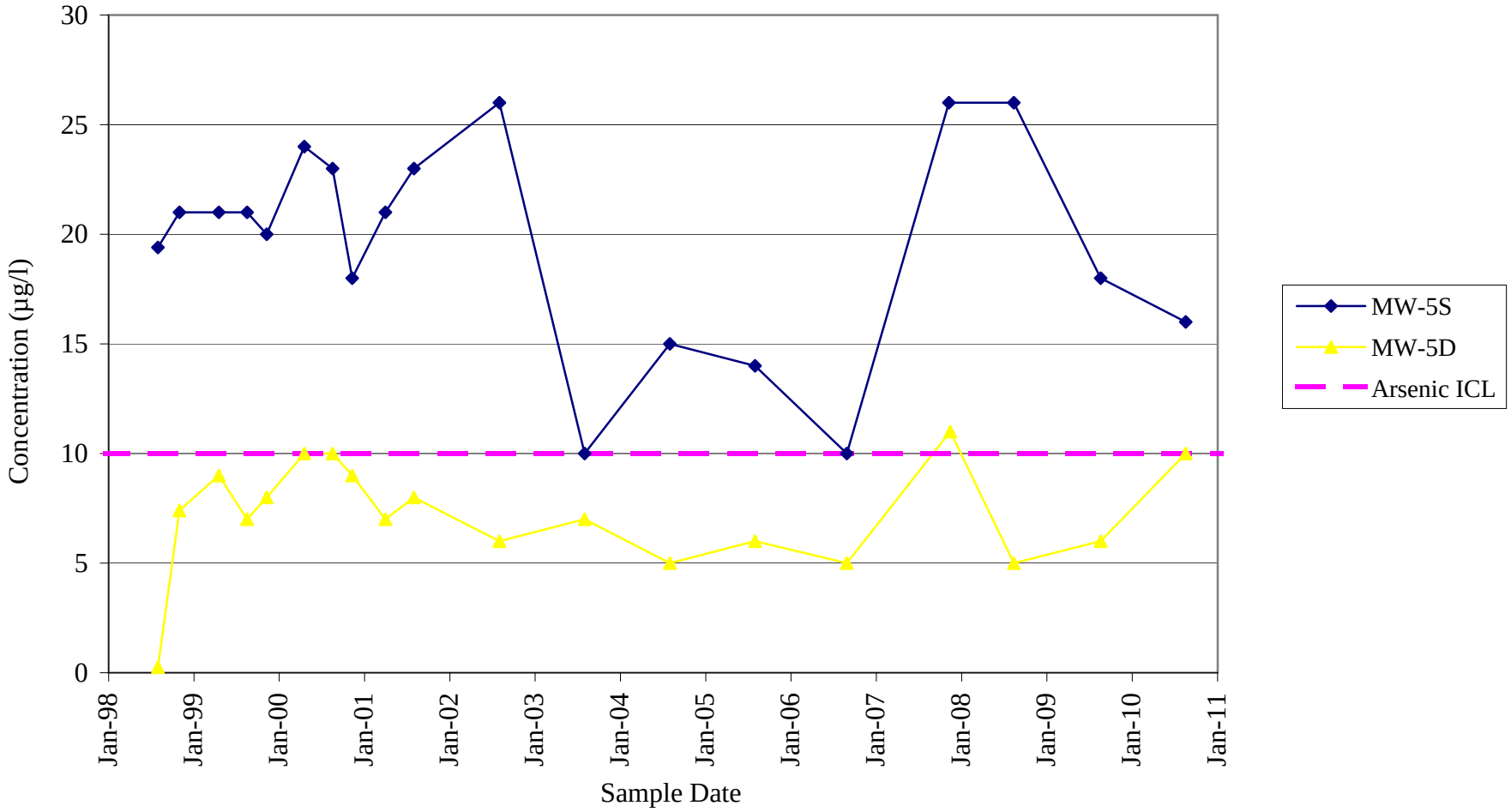



MW-4
Arsenic Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
140
120
100
80
60
40
20
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Sample Date
Arsenic
Arsenic ICL

MW-5S & MW-5D

Arsenic Concentrations vs. Time

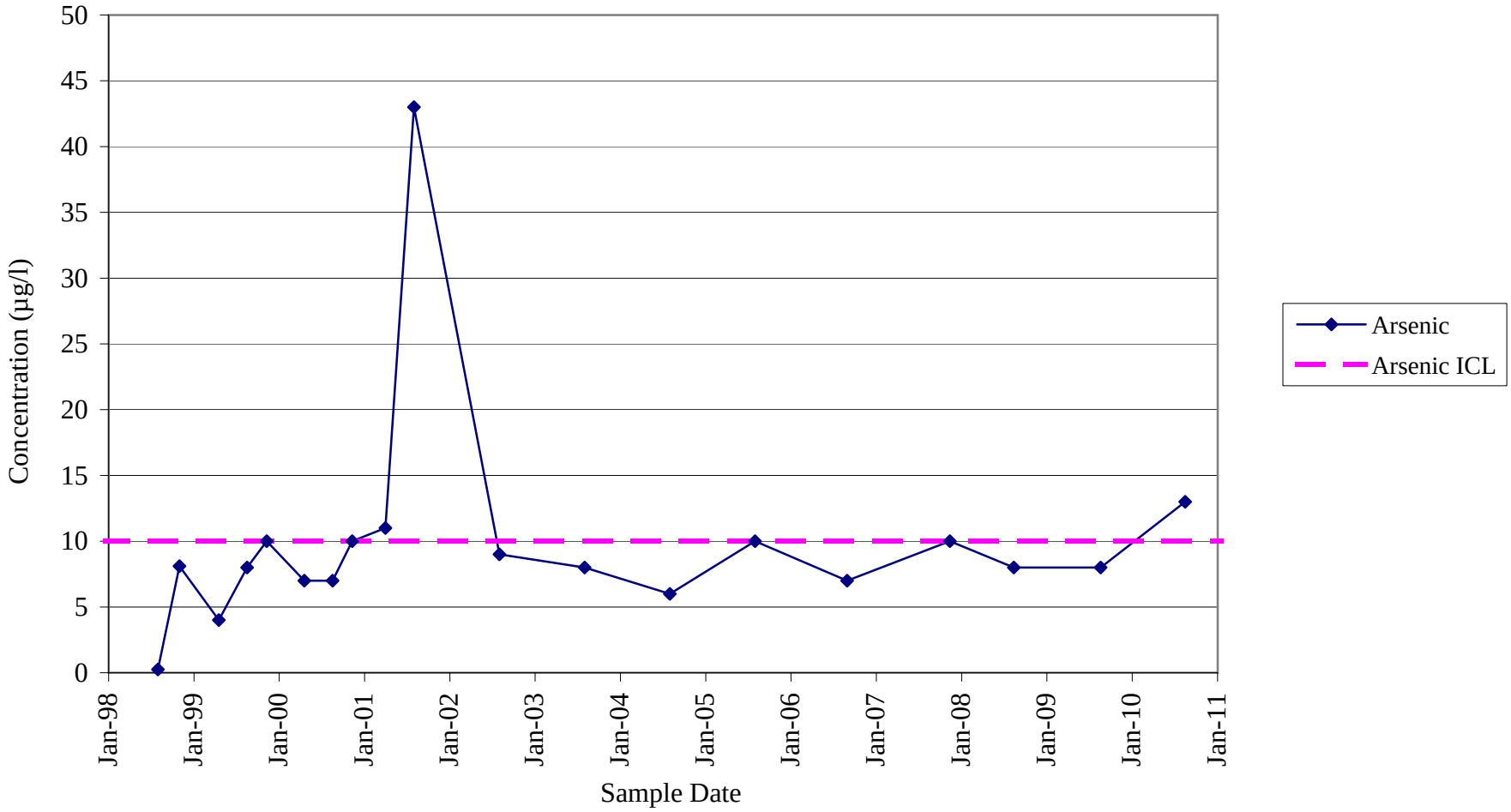
Coakley Landfill, North Hampton, NH



MW-8

Arsenic Concentrations vs. Time

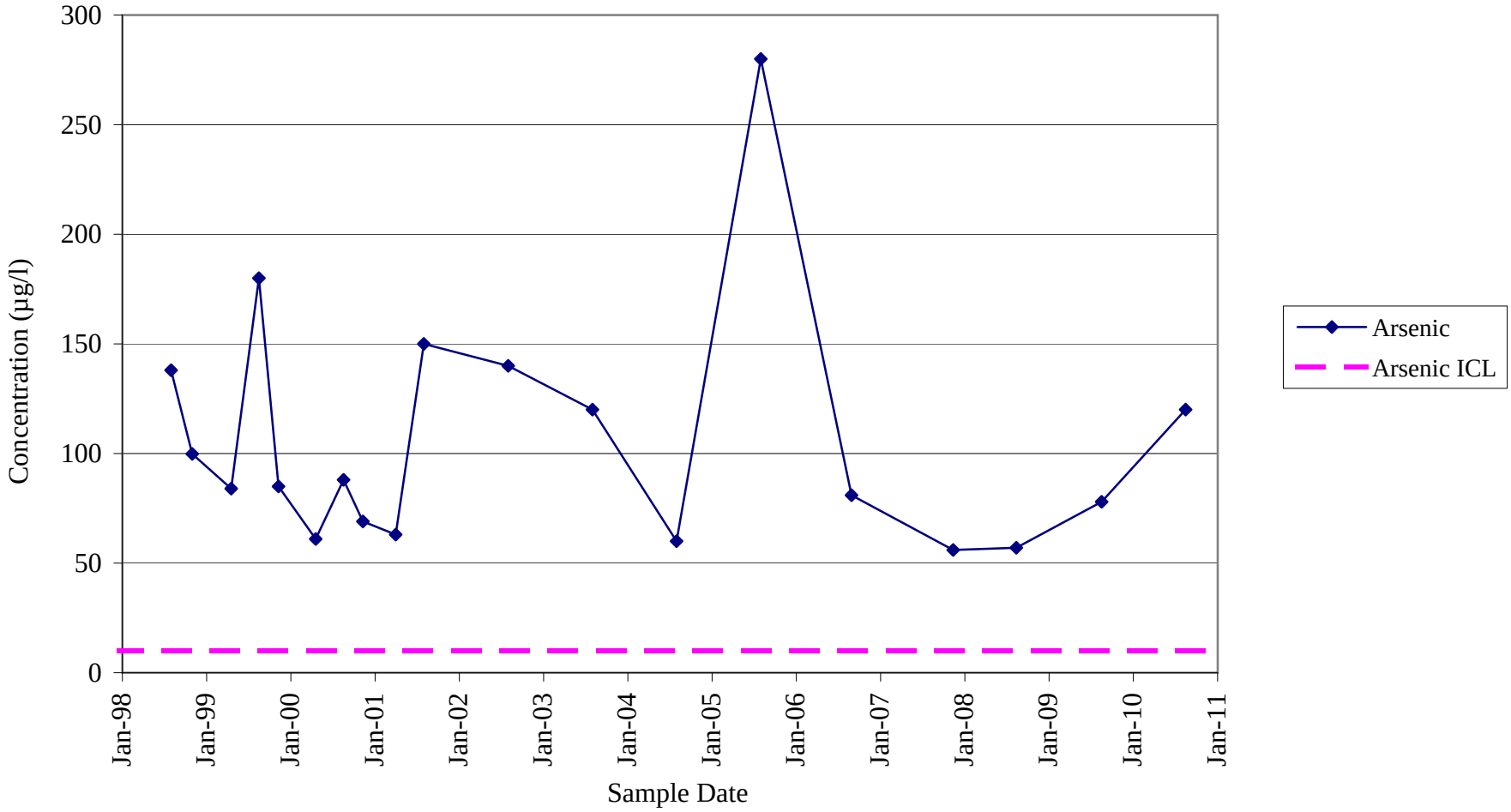
Coakley Landfill, North Hampton, NH



MW-9

Arsenic Concentrations vs. Time

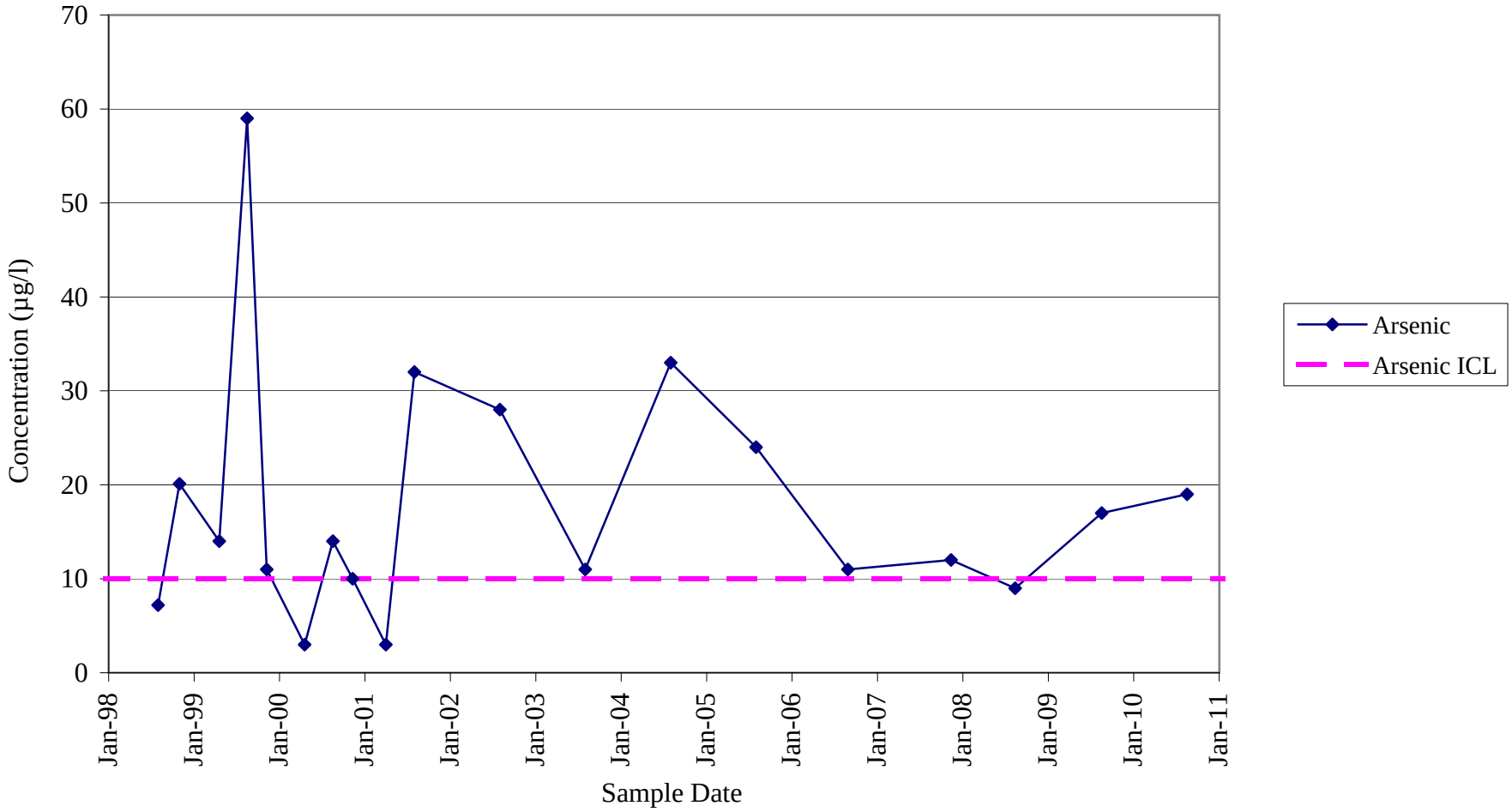
Coakley Landfill, North Hampton, NH



MW-10

Arsenic Concentrations vs. Time

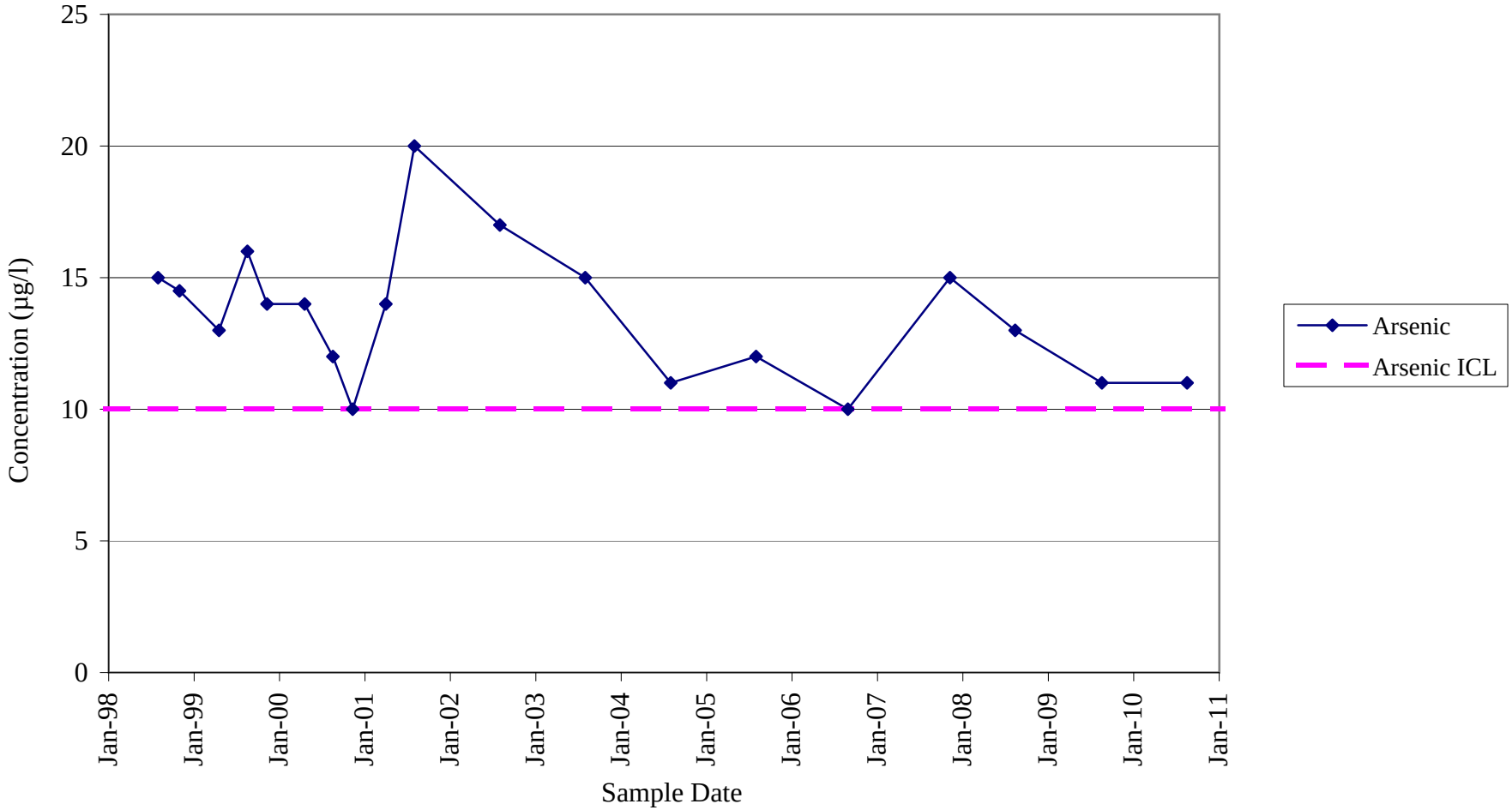
Coakley Landfill, North Hampton, NH

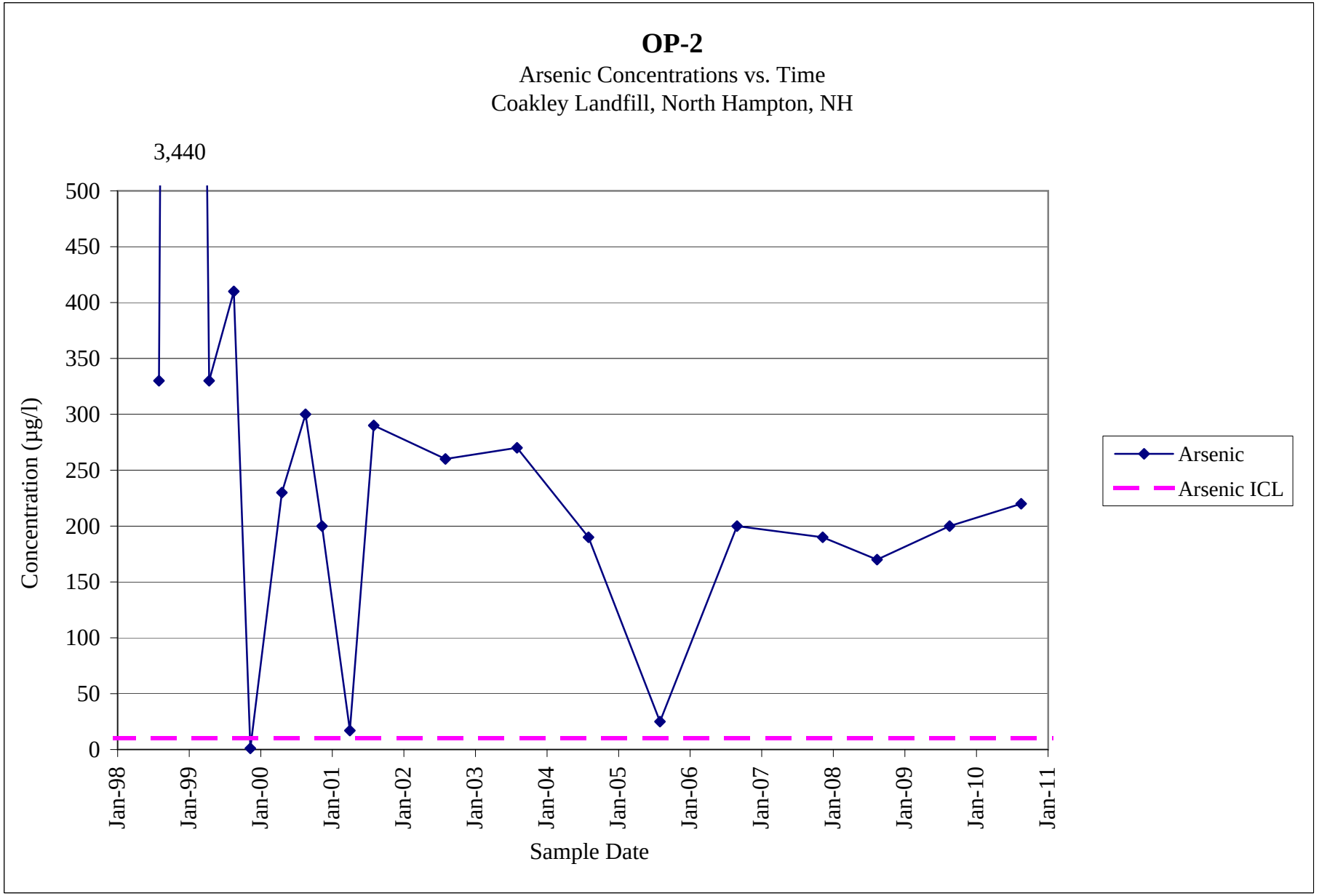


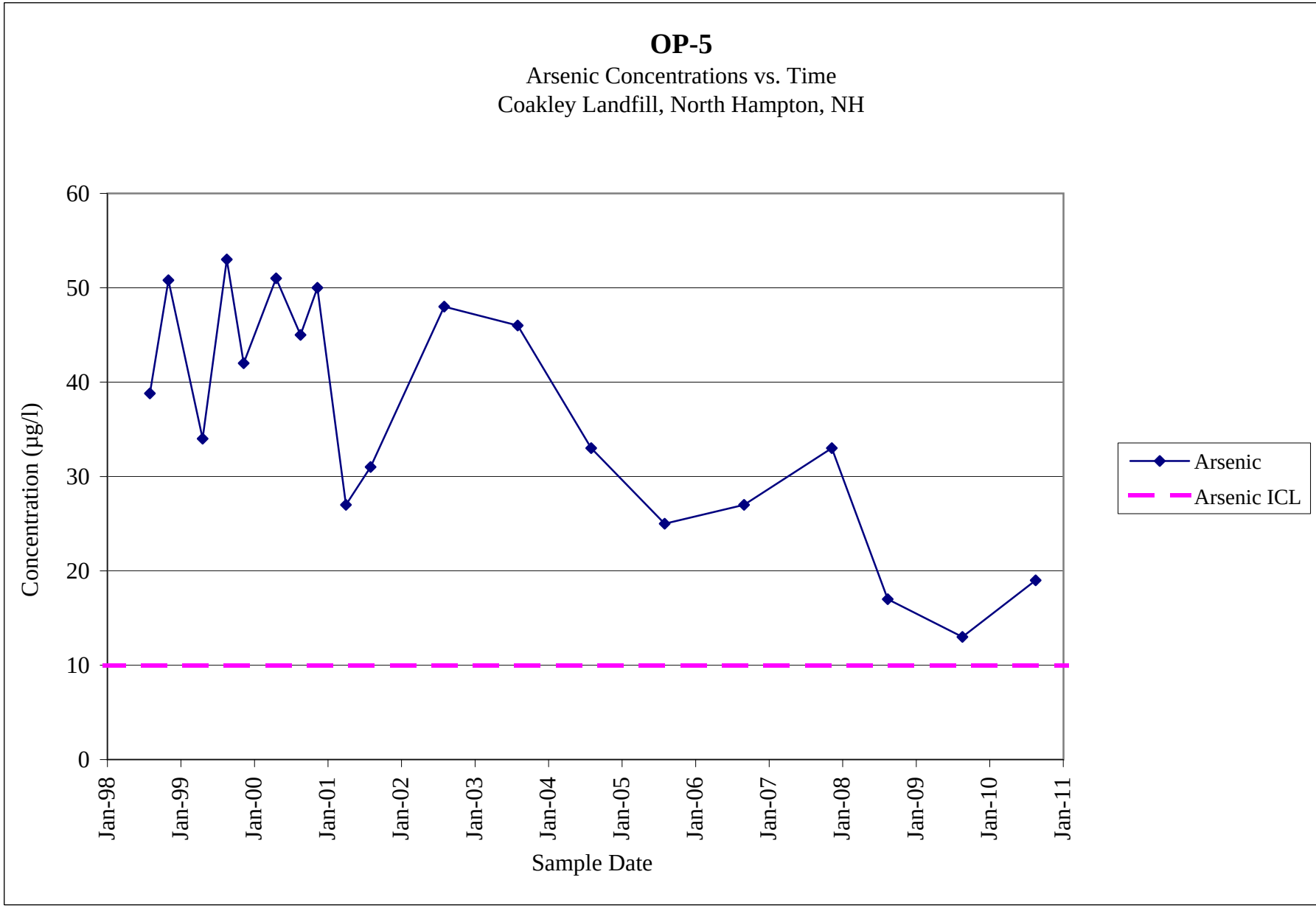
MW-11

Arsenic Concentrations vs. Time

Coakley Landfill, North Hampton, NH



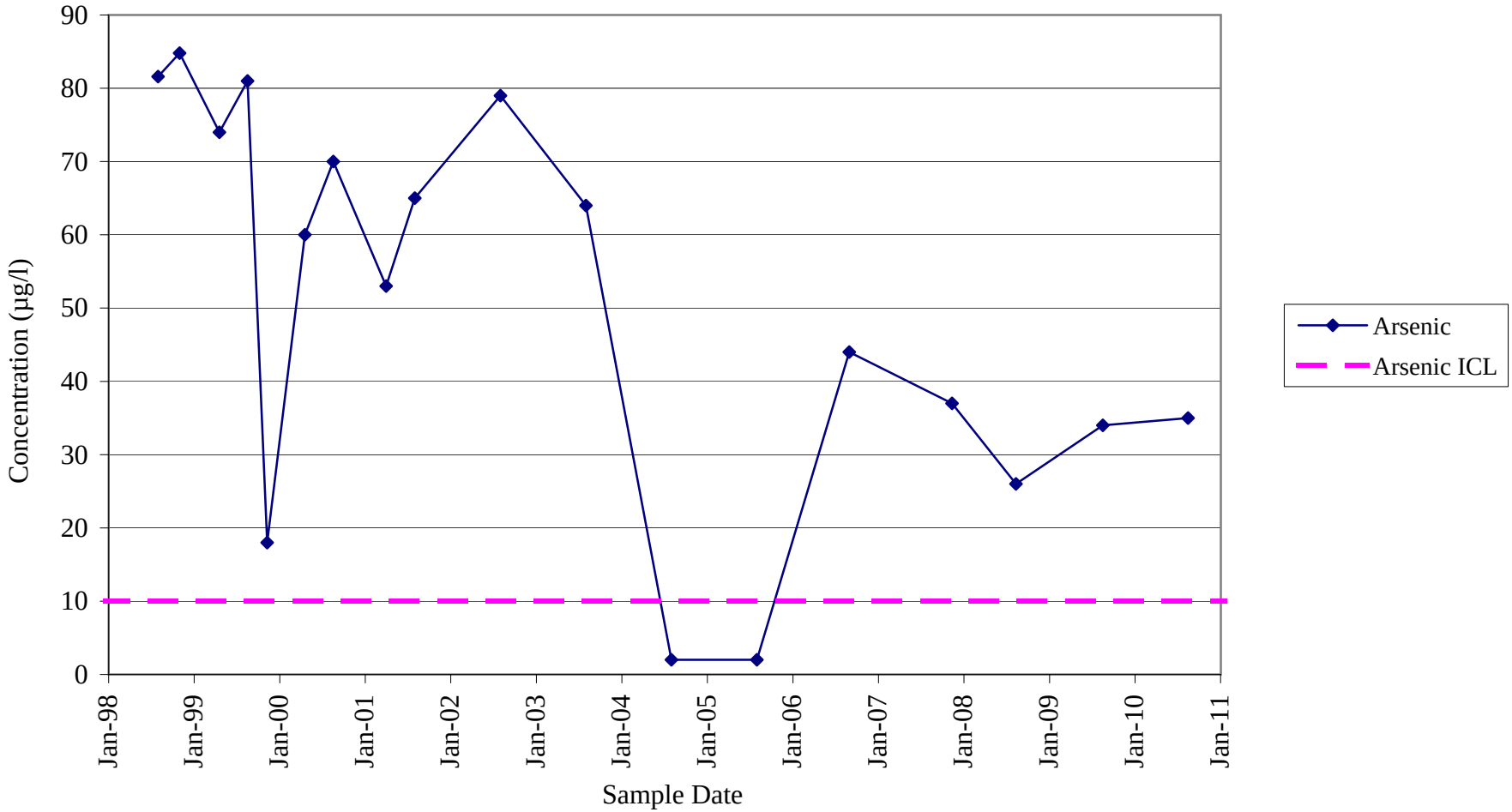

OP-2
Arsenic Concentrations vs. Time
Coakley Landfill, North Hampton, NH
3,440
500
450
400
350
300
250
200
150
100
50
0
Concentration (µg/l)
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Sample Date
Arsenic
Arsenic ICL


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
Sample Date
Arsenic
Arsenic ICL

FPC-9A

Arsenic Concentrations vs. Time

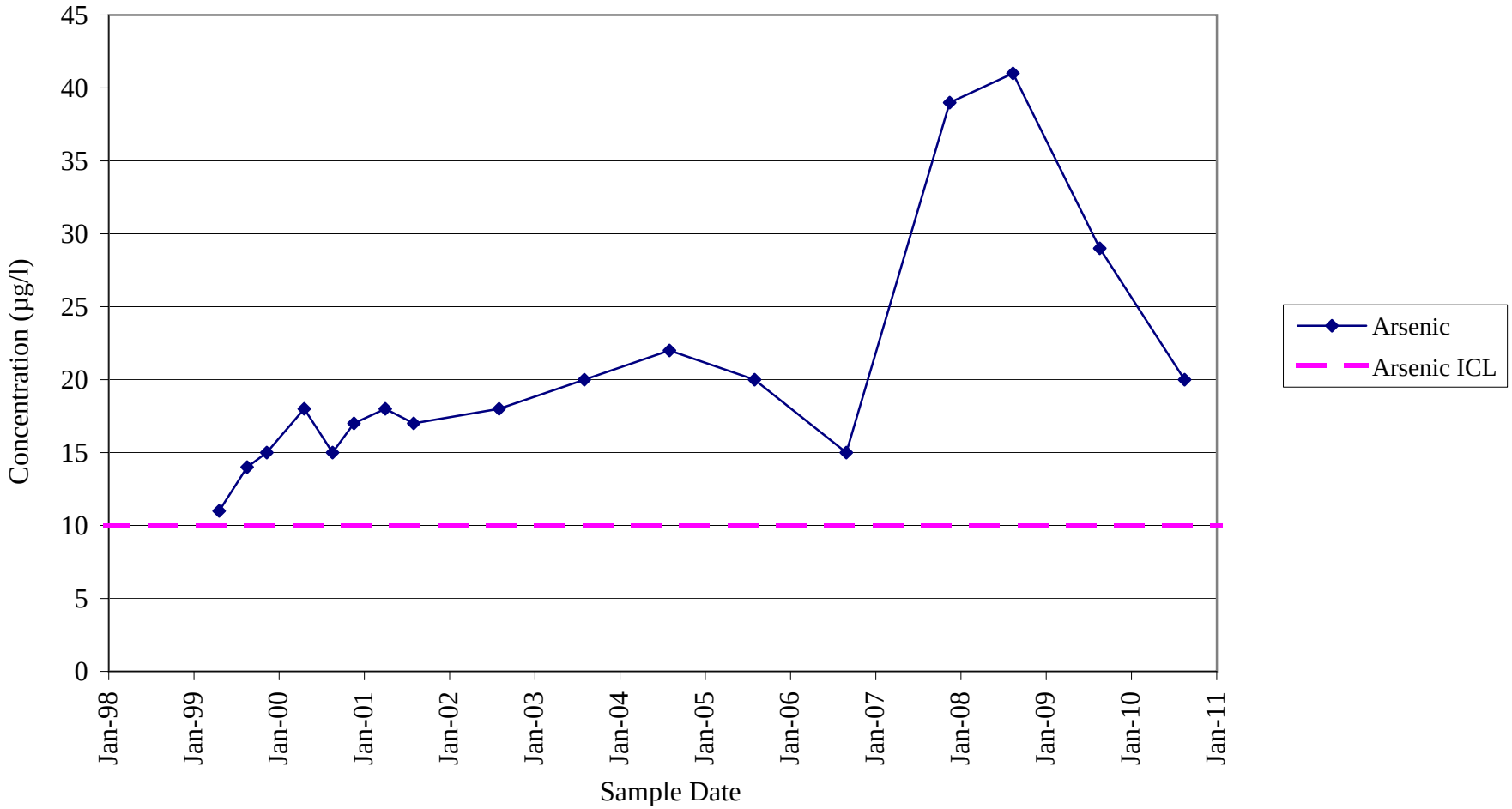
Coakley Landfill, North Hampton, NH



AE-1A

Arsenic Concentrations vs. Time

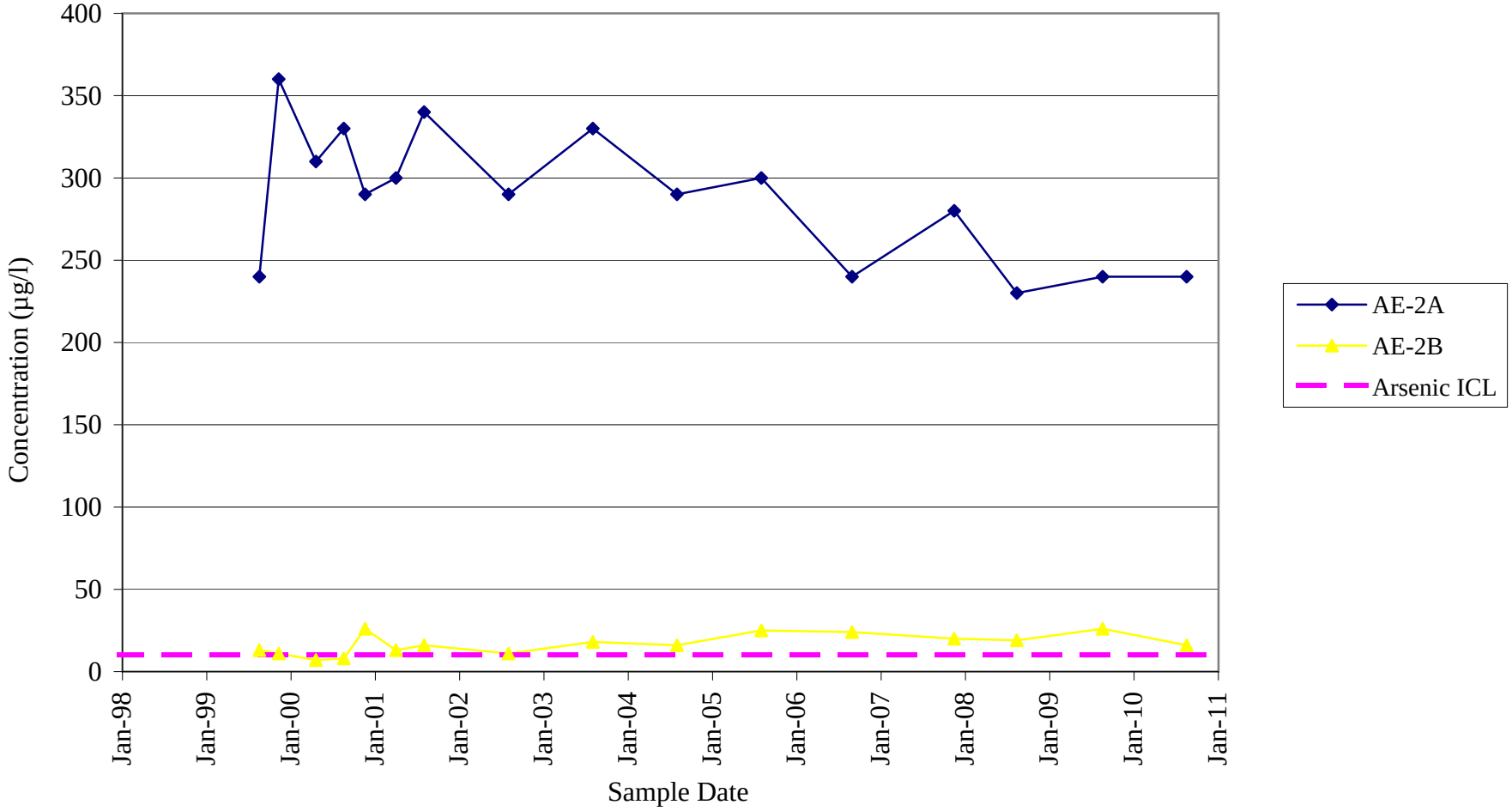
Coakley Landfill, North Hampton, NH



AE-2A & AE-2B

Arsenic Concentrations vs. Time

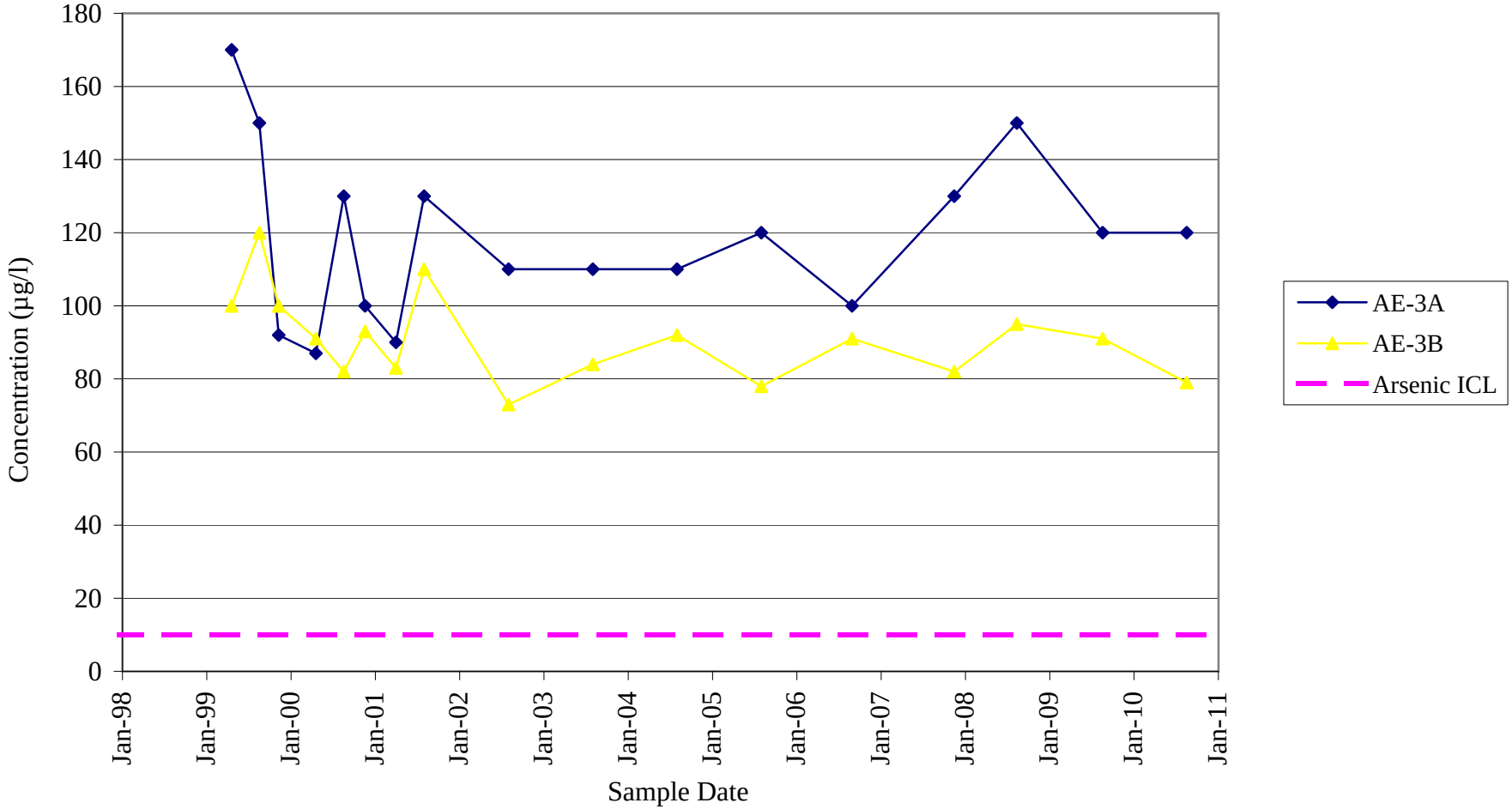
Coakley Landfill, North Hampton, NH



AE-3A & AE-3B

Arsenic Concentrations vs. Time

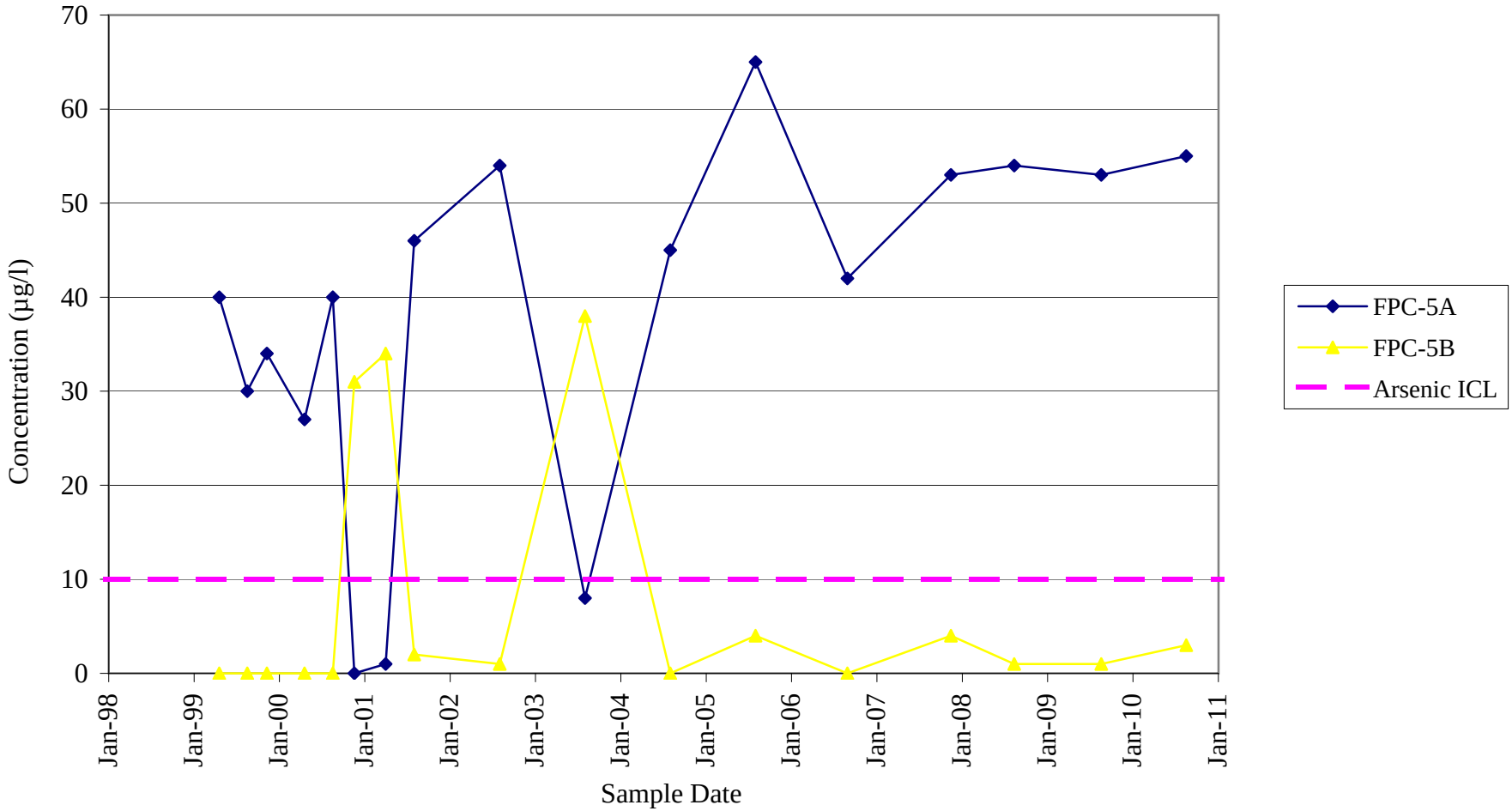
Coakley Landfill, North Hampton, NH



FPC-5A & FPC-5B

Arsenic Concentrations vs. Time

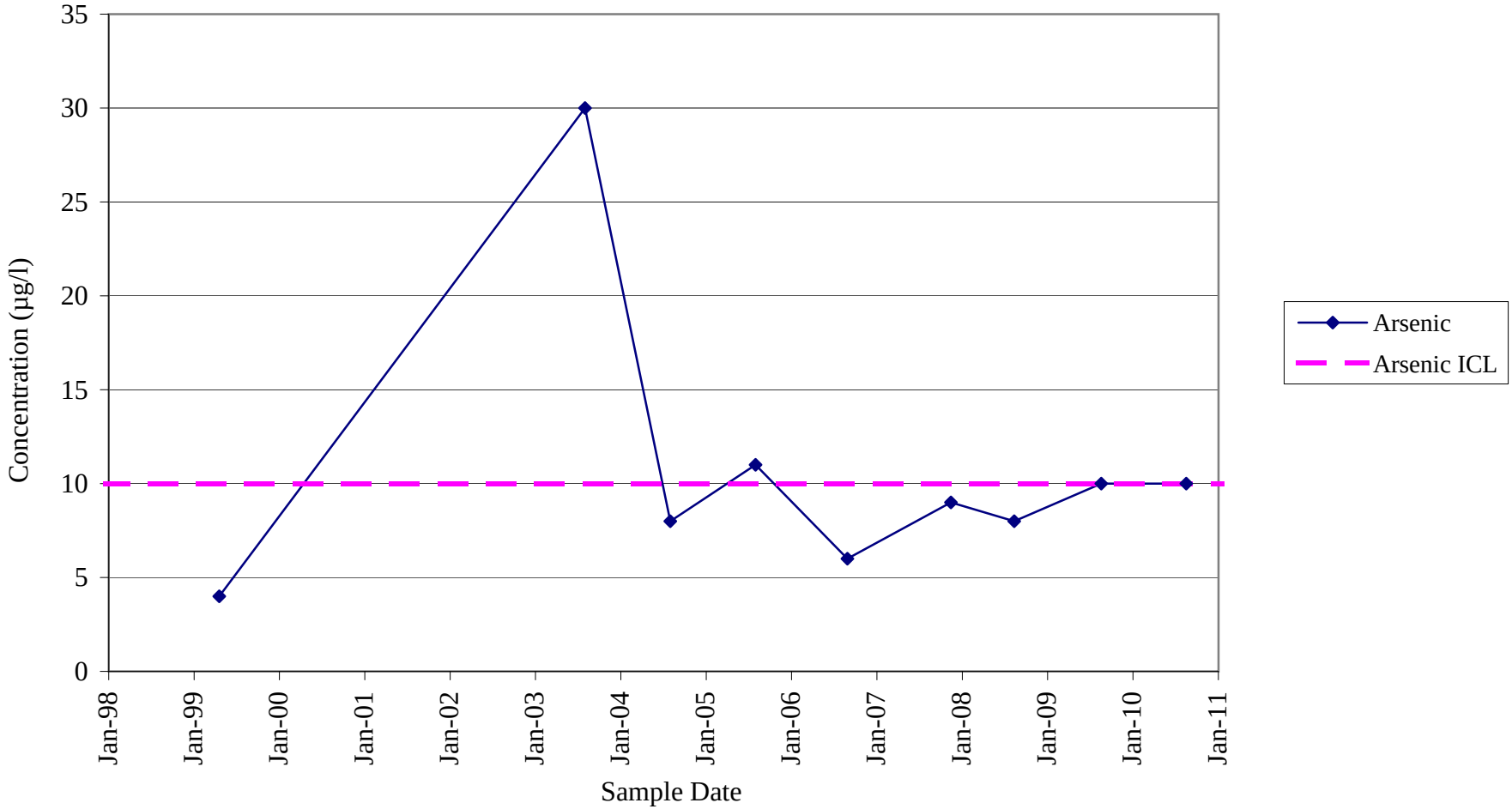
Coakley Landfill, North Hampton, NH



FPC-11B

Arsenic Concentrations vs. Time

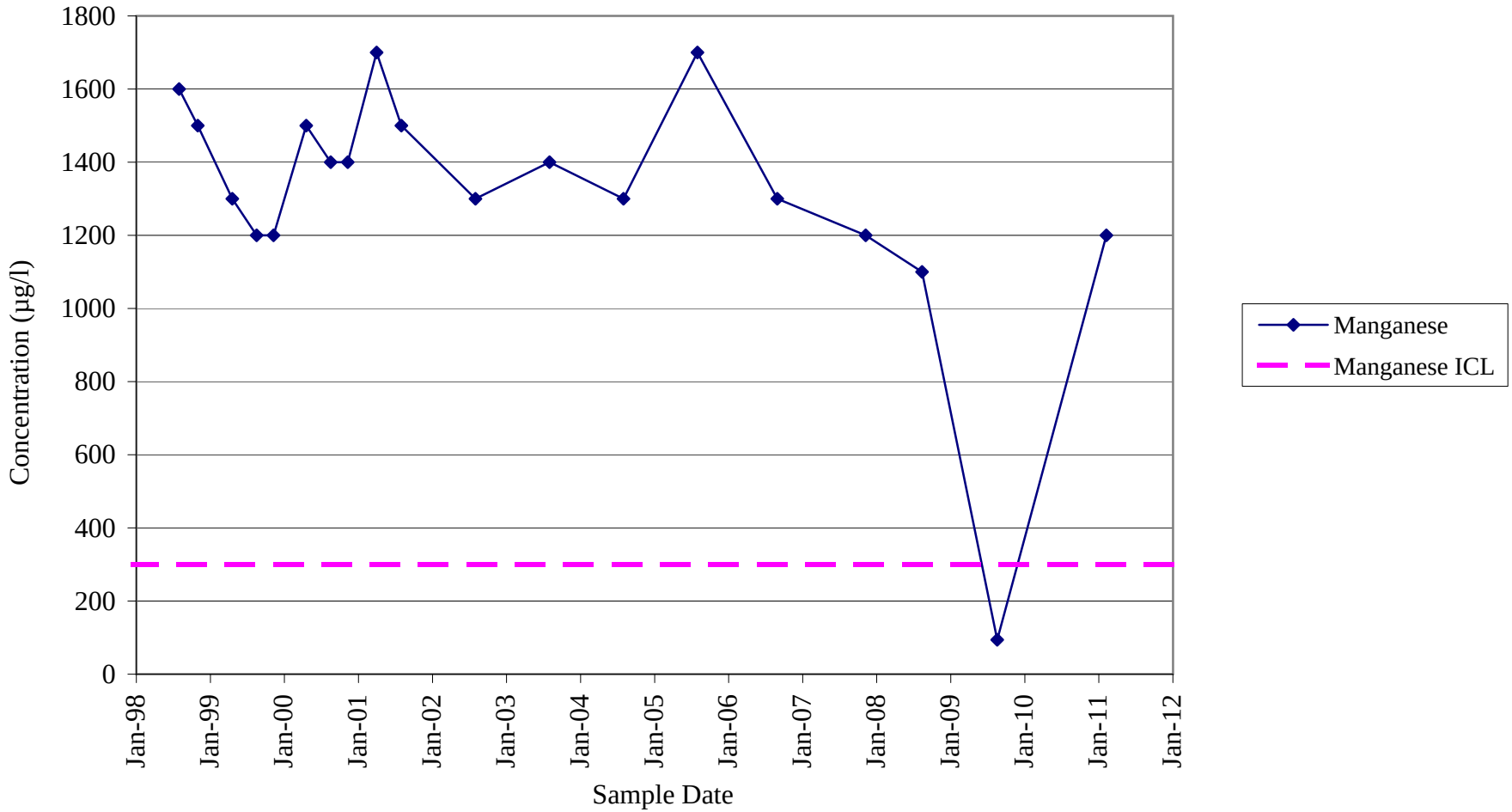
Coakley Landfill, North Hampton, NH

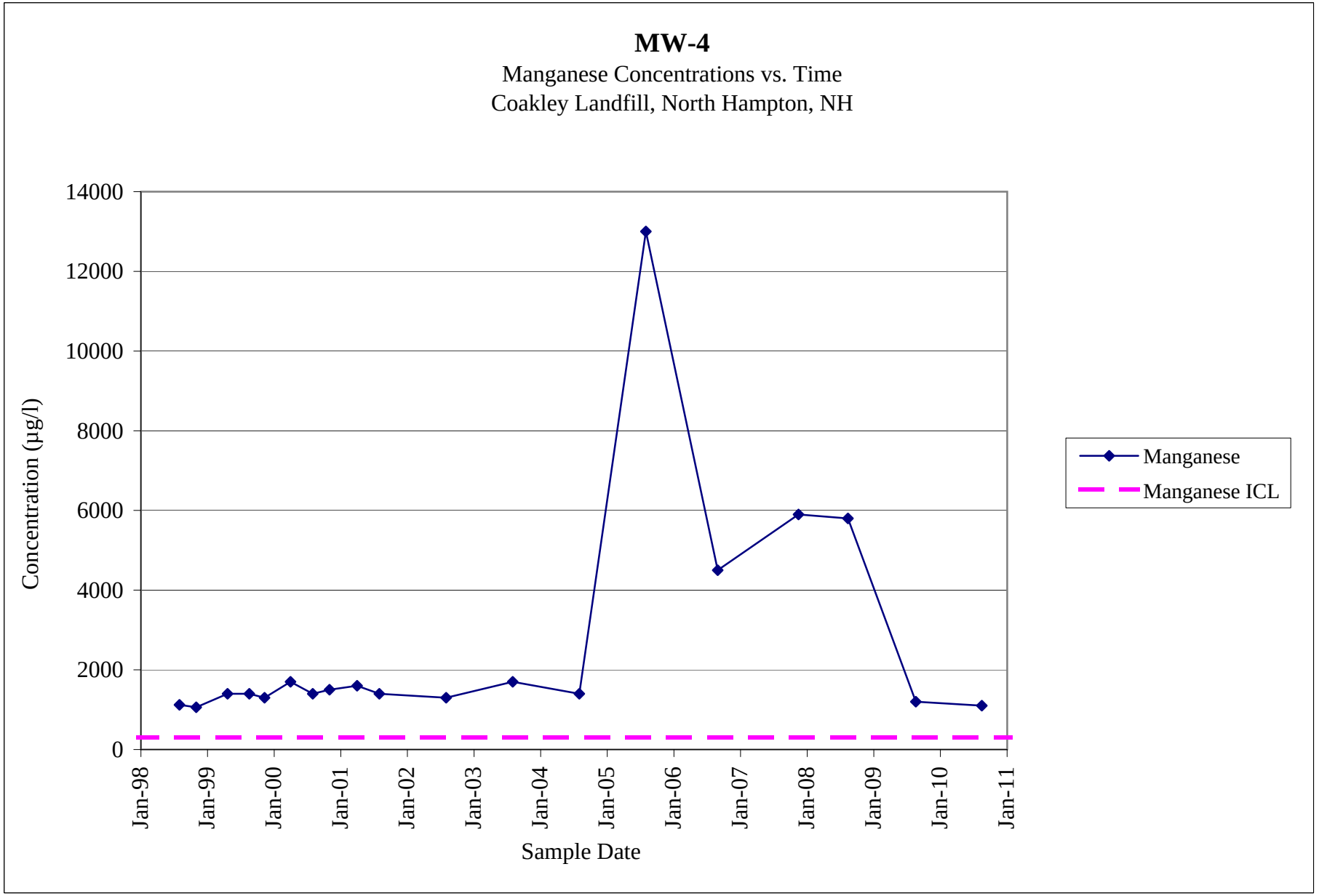


BP-4

Manganese Concentrations vs. Time

Coakley Landfill, North Hampton, NH

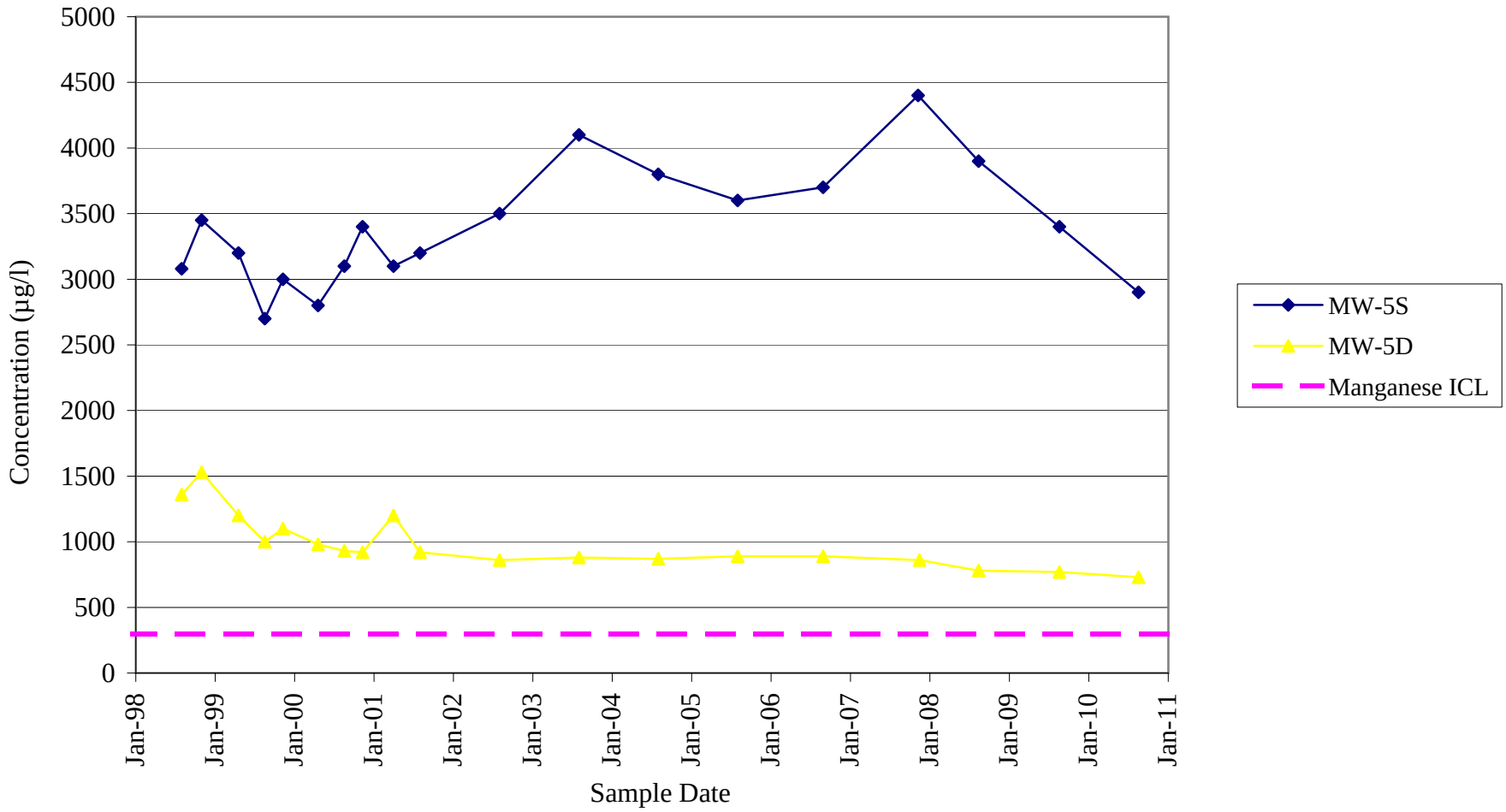



MW-4
Manganese Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
14000
12000
10000
8000
6000
4000
2000
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Sample Date
Manganese
Manganese ICL

MW-5S & MW-5D

Manganese Concentrations vs. Time

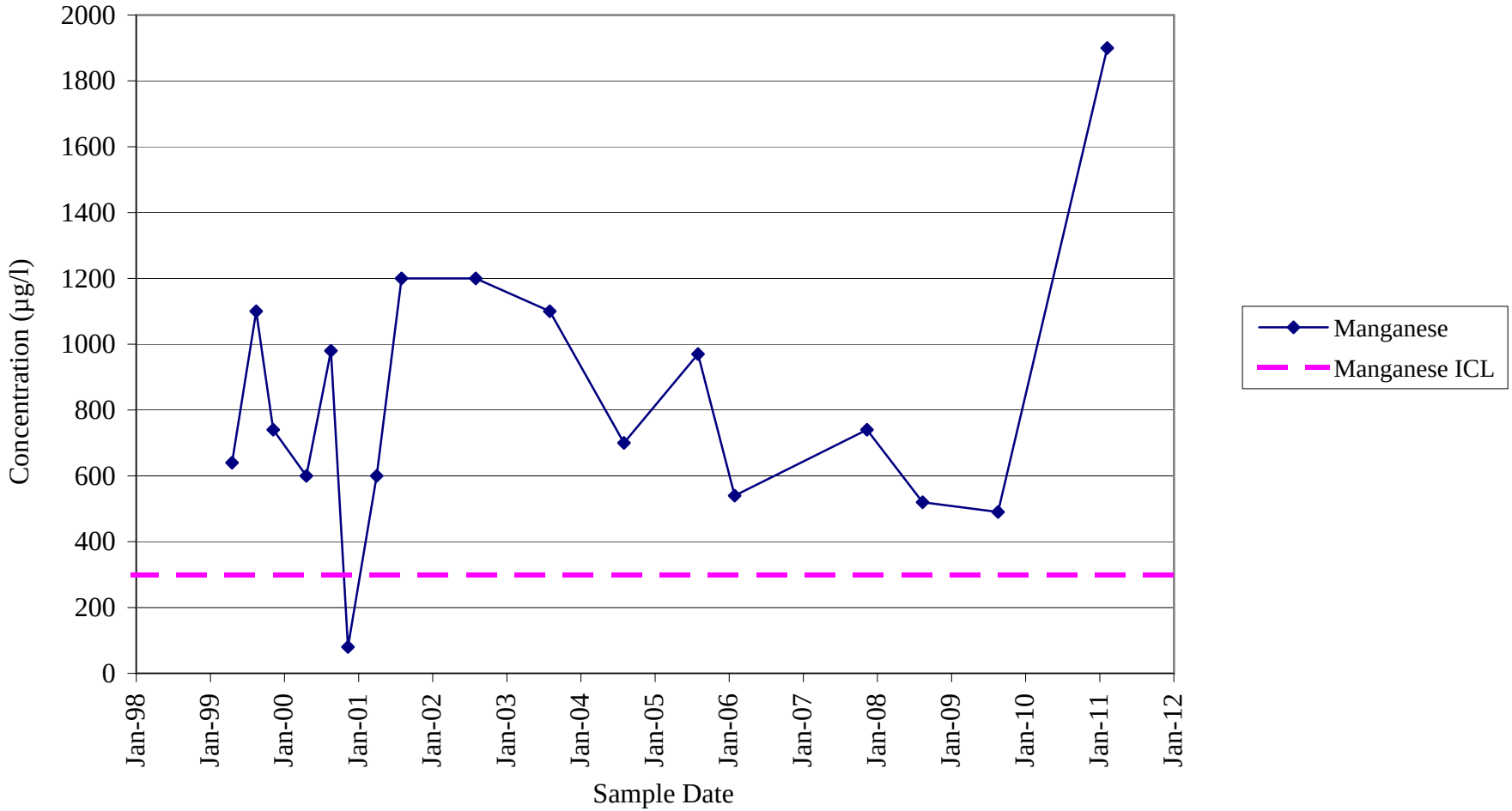
Coakley Landfill, North Hampton, NH



MW-6

Manganese Concentrations vs. Time

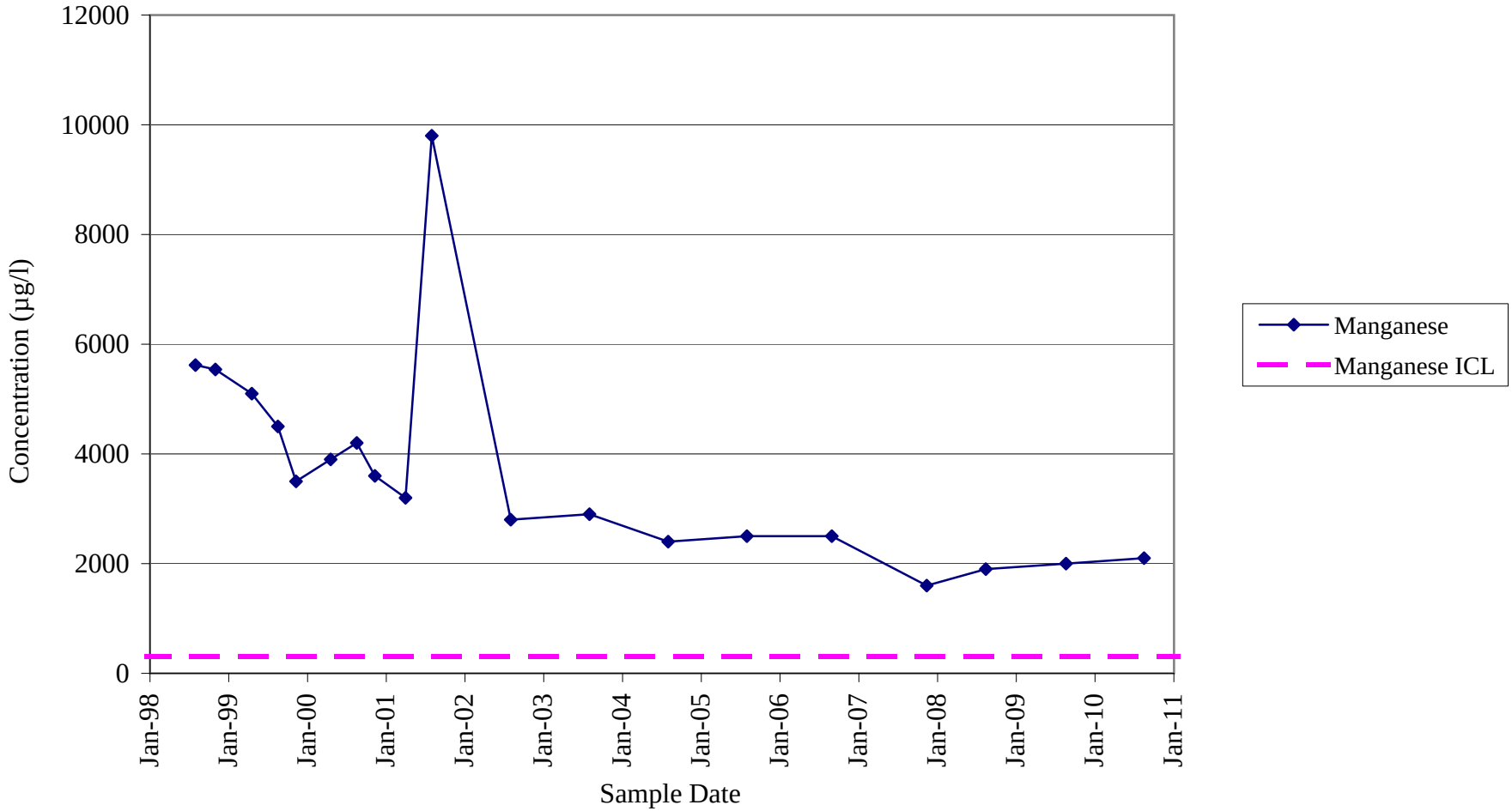
Coakley Landfill, North Hampton, NH

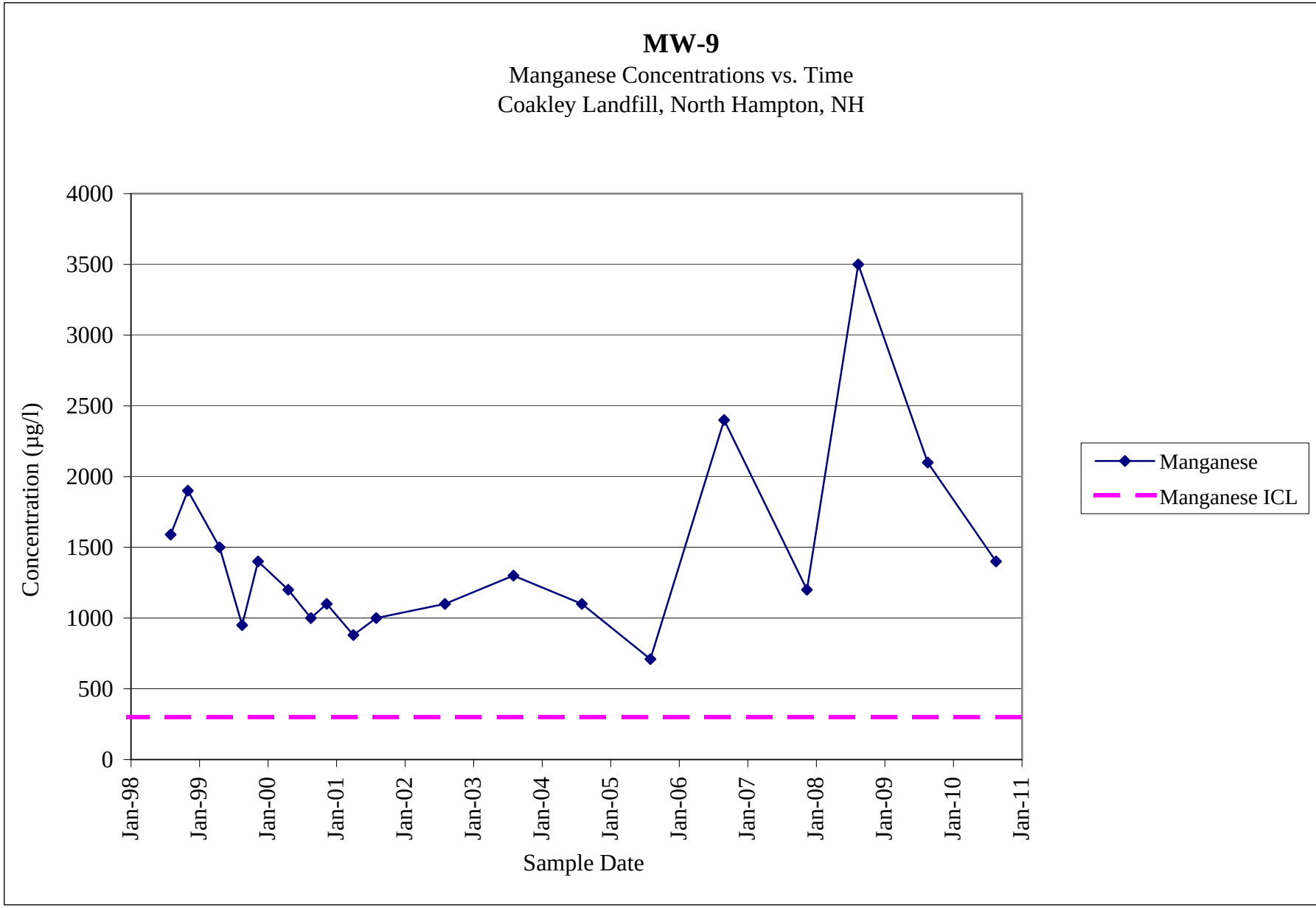


MW-8

Manganese Concentrations vs. Time

Coakley Landfill, North Hampton, NH

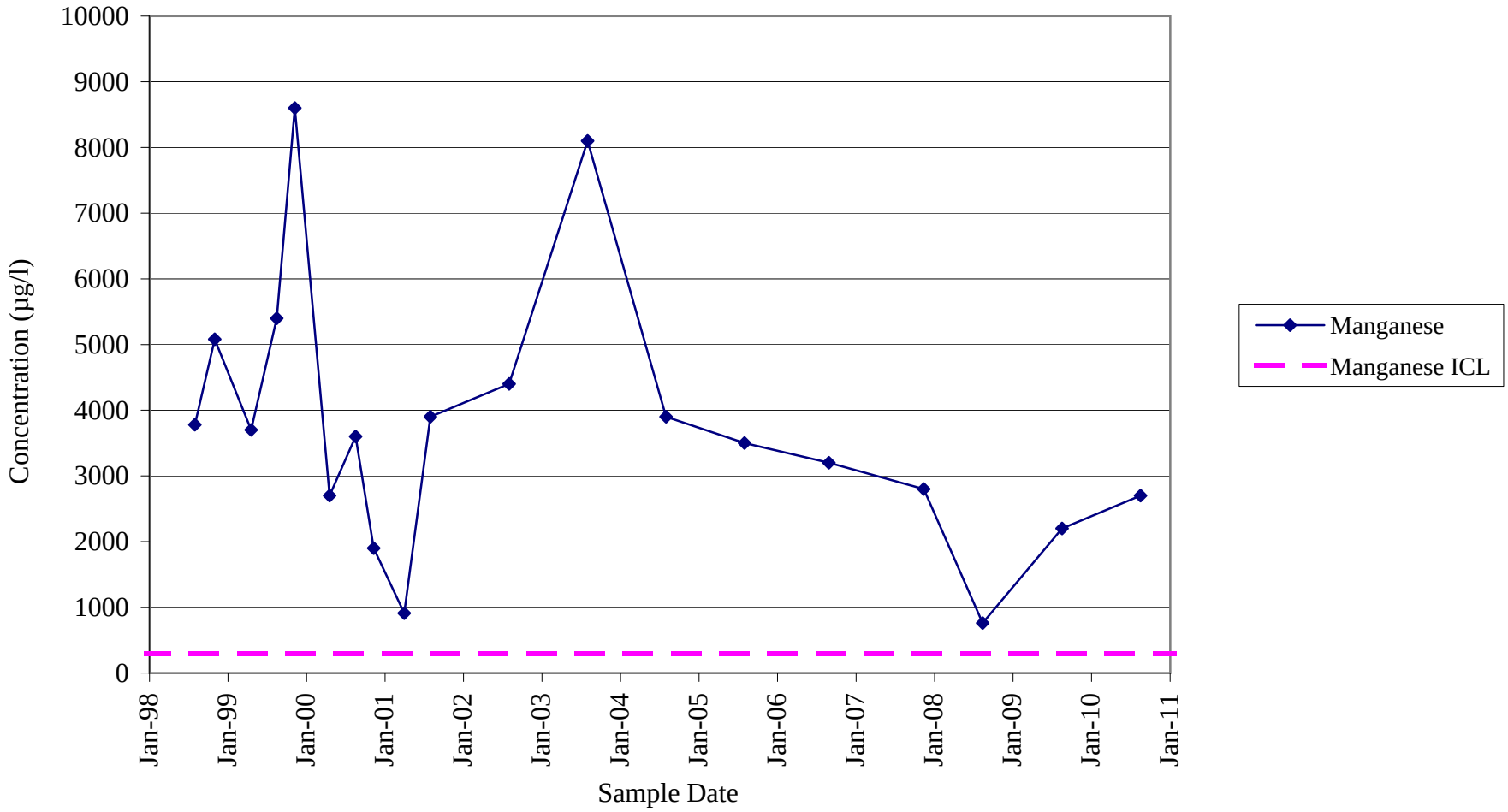



MW-9
Manganese Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Sample Date
Manganese
Manganese ICL

MW-10

Manganese Concentrations vs. Time

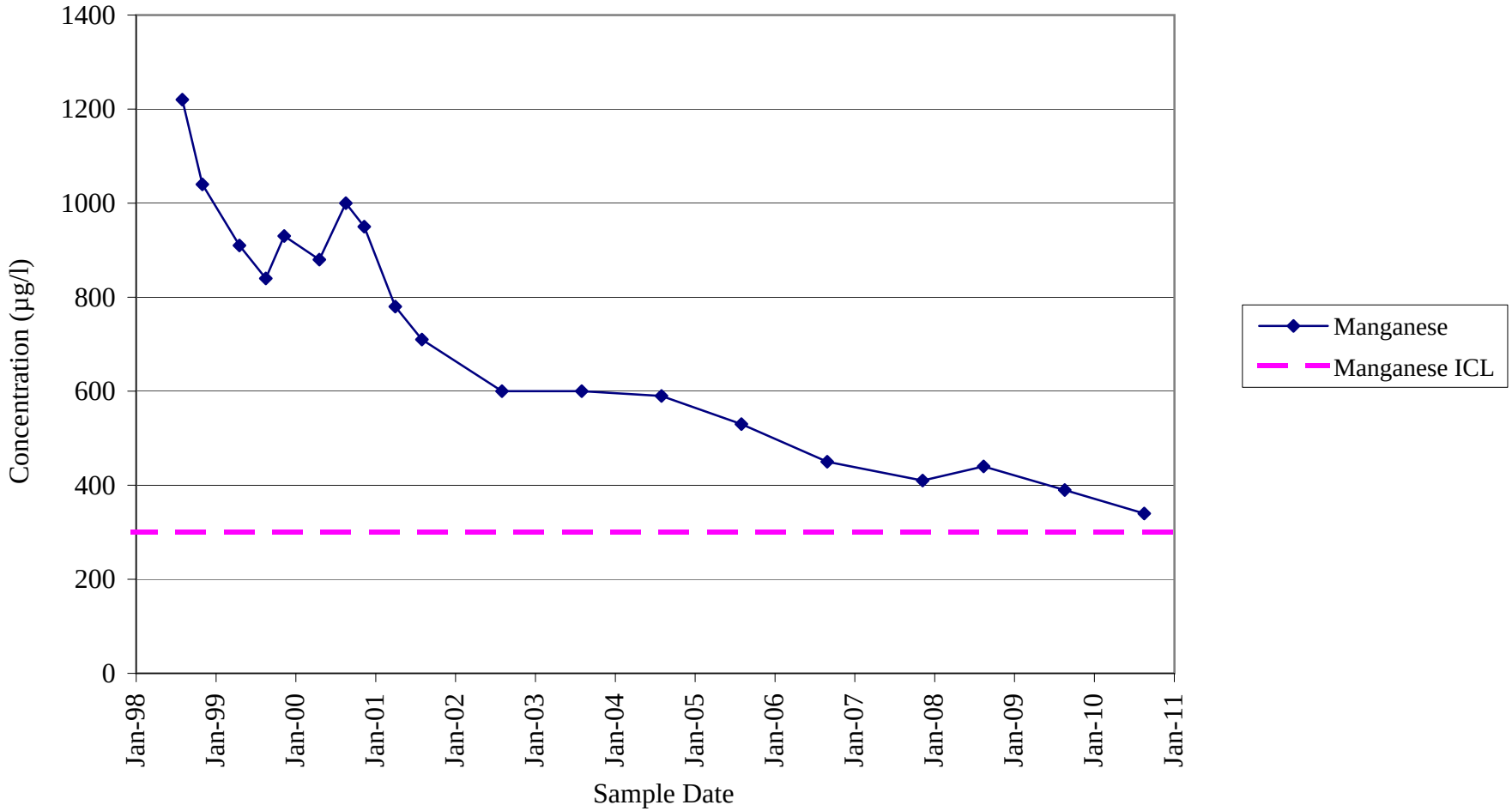
Coakley Landfill, North Hampton, NH

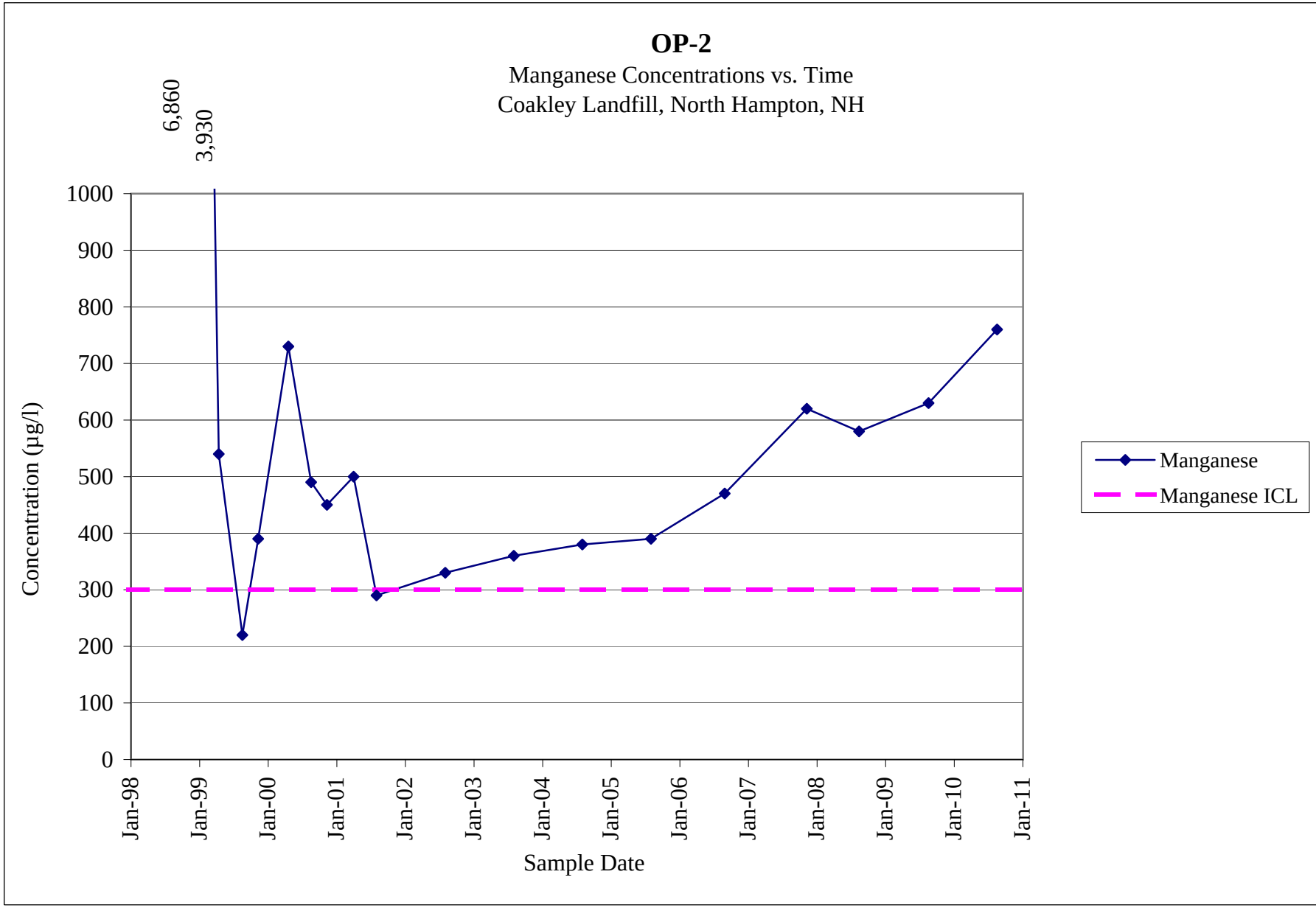


MW-11

Manganese Concentrations vs. Time

Coakley Landfill, North Hampton, NH

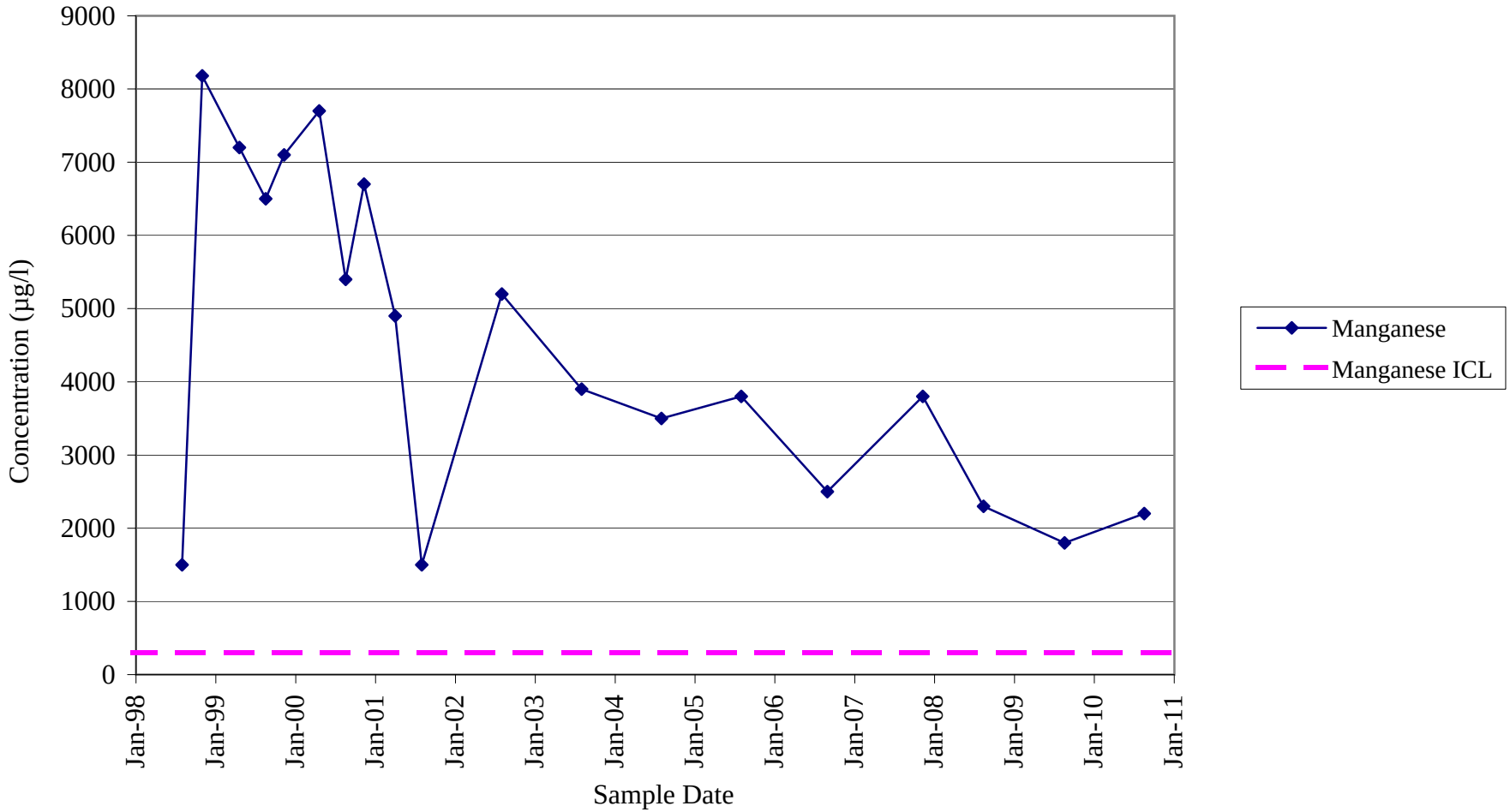


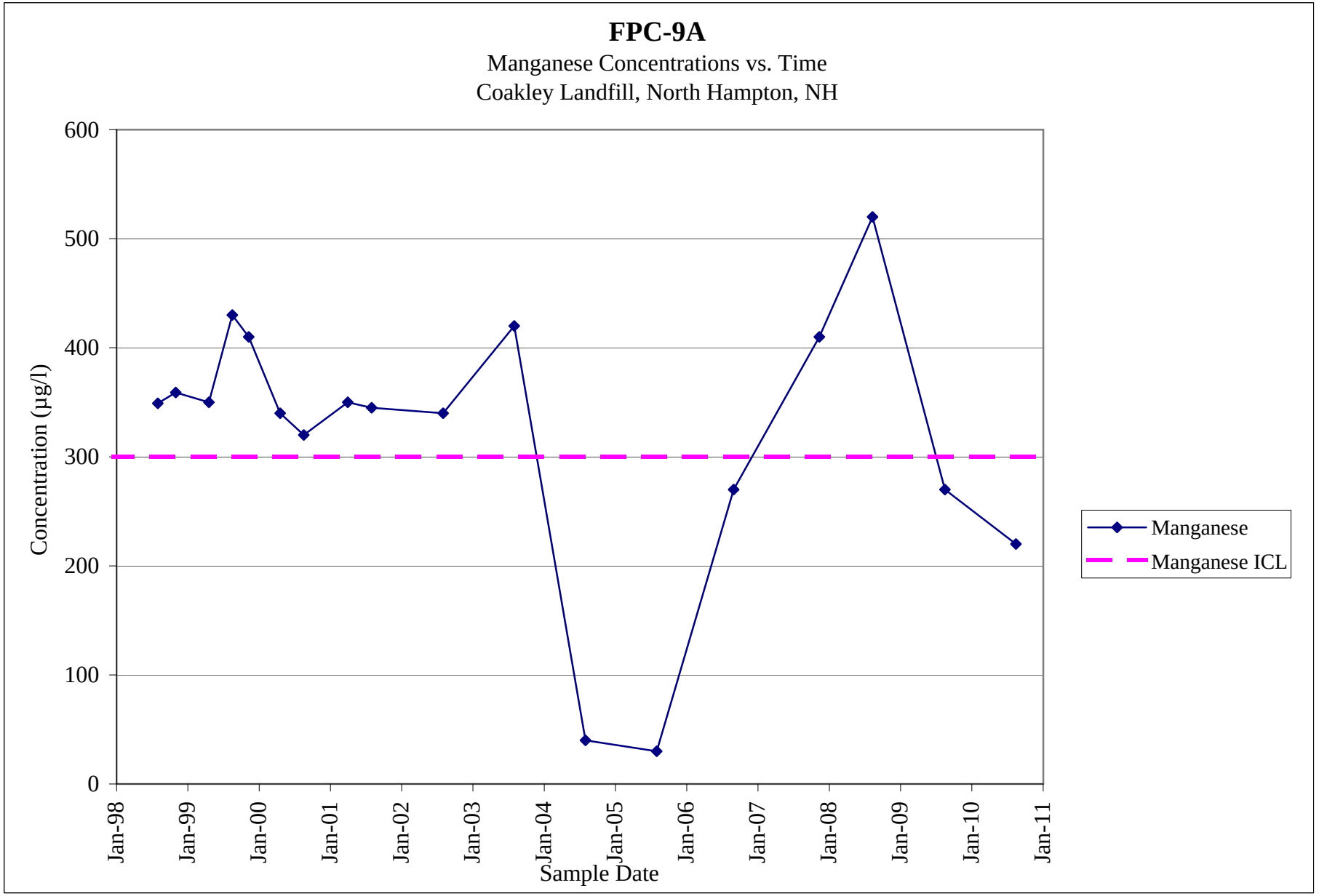

OP-2
Manganese Concentrations vs. Time
Coakley Landfill, North Hampton, NH
6,860
3,930
Concentration (µg/l)
1000
900
800
700
600
500
400
300
200
100
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Sample Date
Manganese
Manganese ICL

OP-5

Manganese Concentrations vs. Time

Coakley Landfill, North Hampton, NH

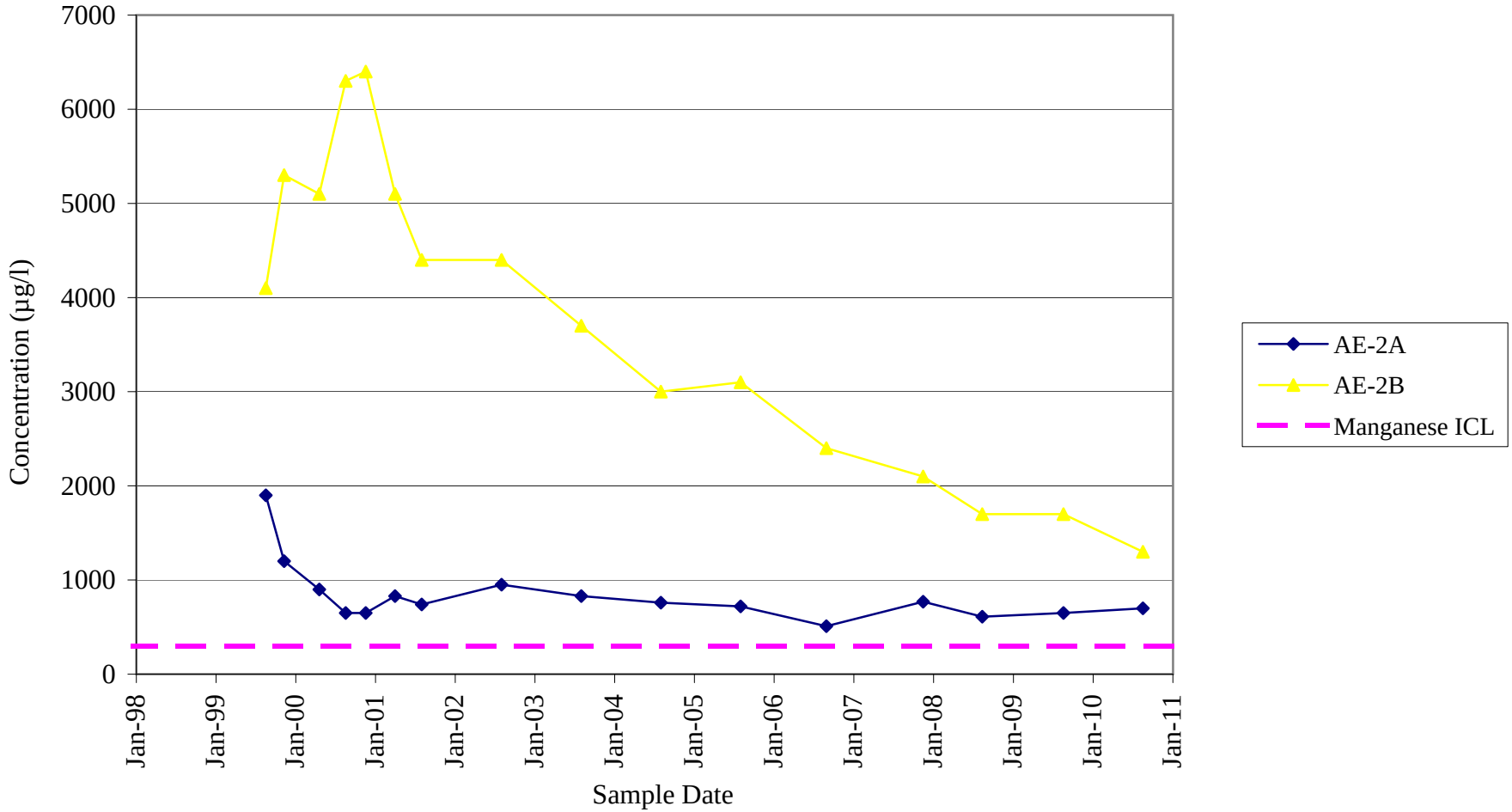



FPC-9A
Manganese Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
600
500
400
300
200
100
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Sample Date
Manganese
Manganese ICL

AE-2A & AE-2B

Manganese Concentrations vs. Time

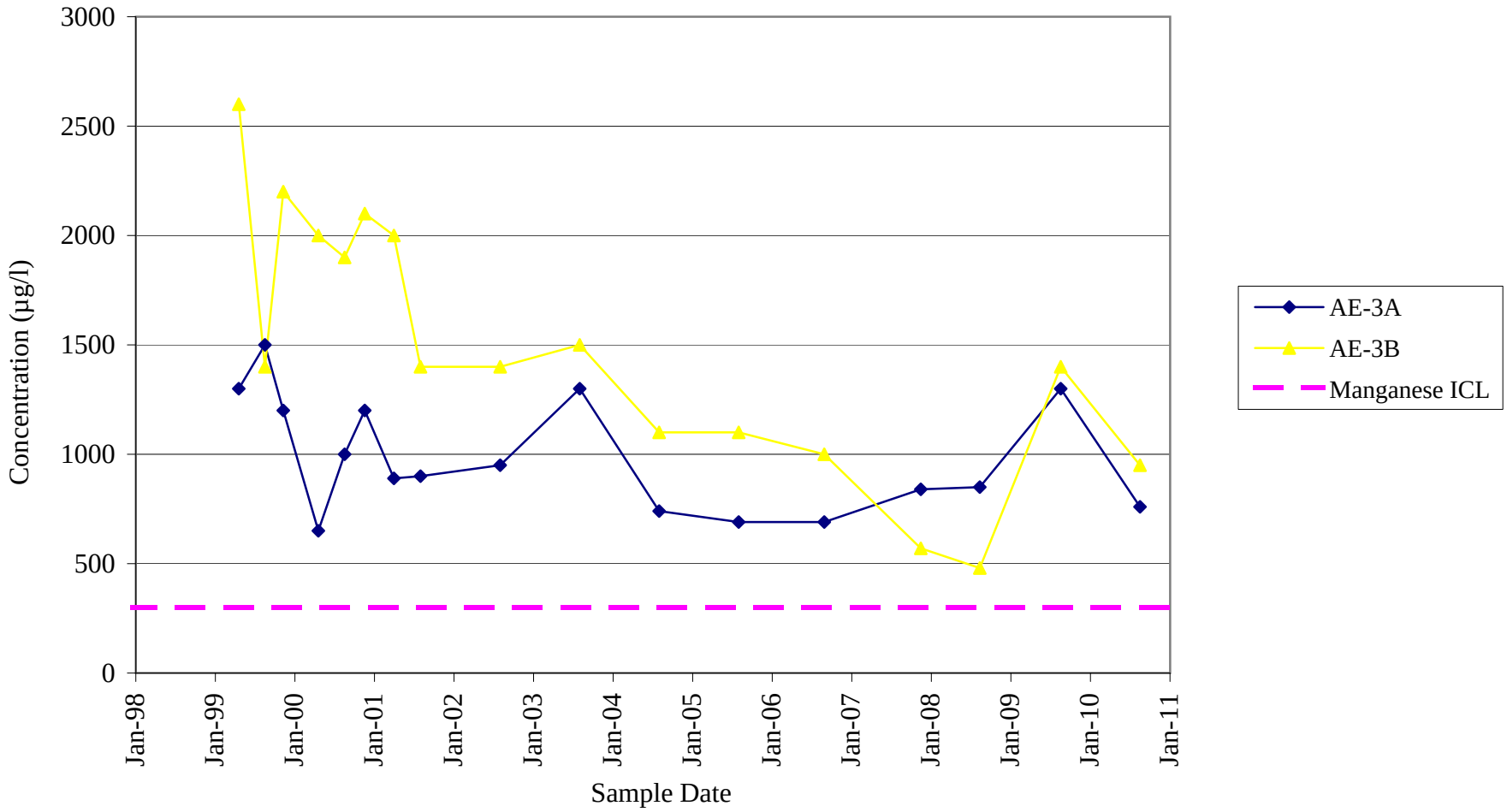
Coakley Landfill, North Hampton, NH



AE-3A & AE-3B

Manganese Concentrations vs. Time

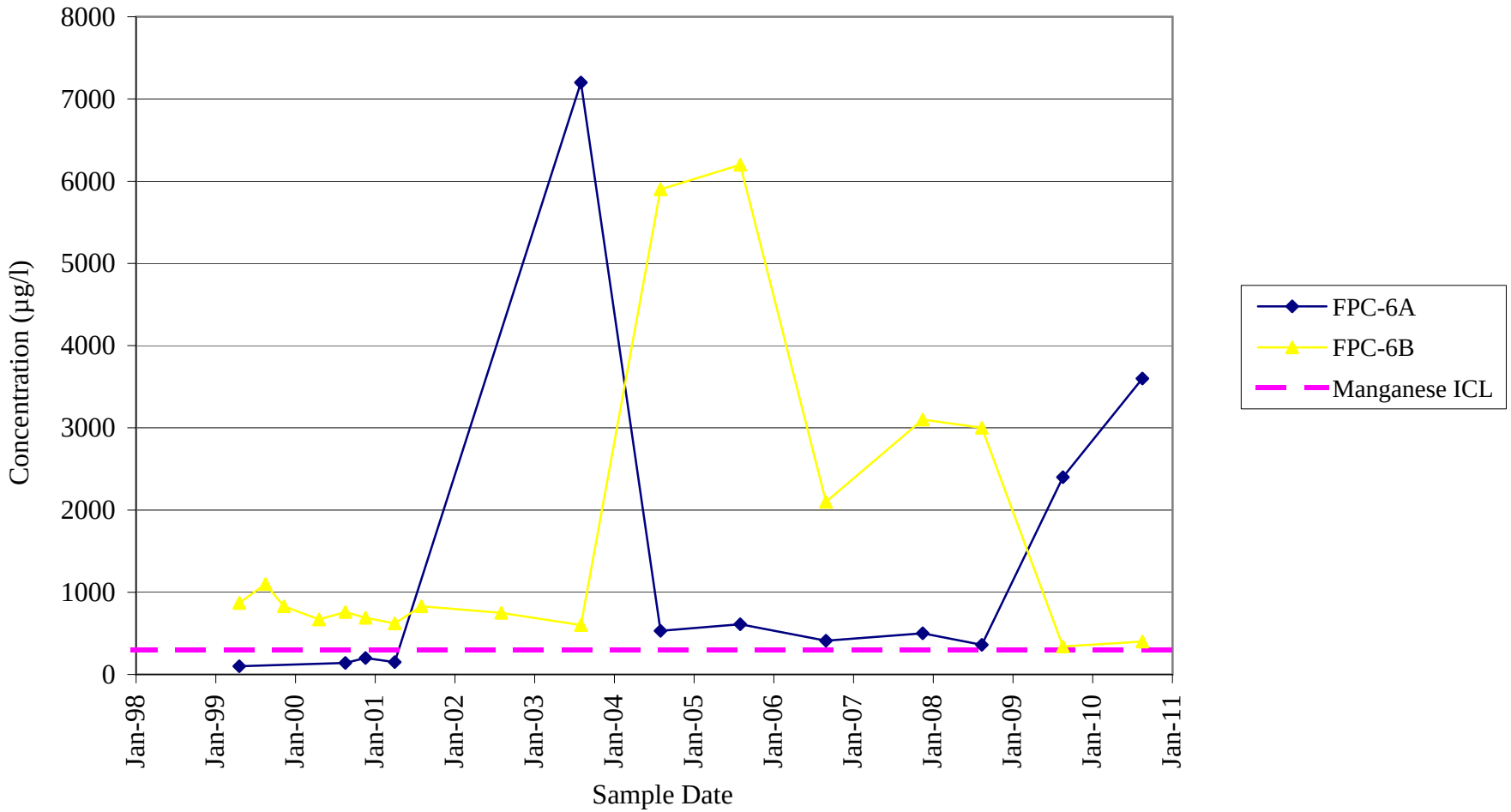
Coakley Landfill, North Hampton, NH



FPC-6A & FPC-6B

Manganese Concentrations vs. Time

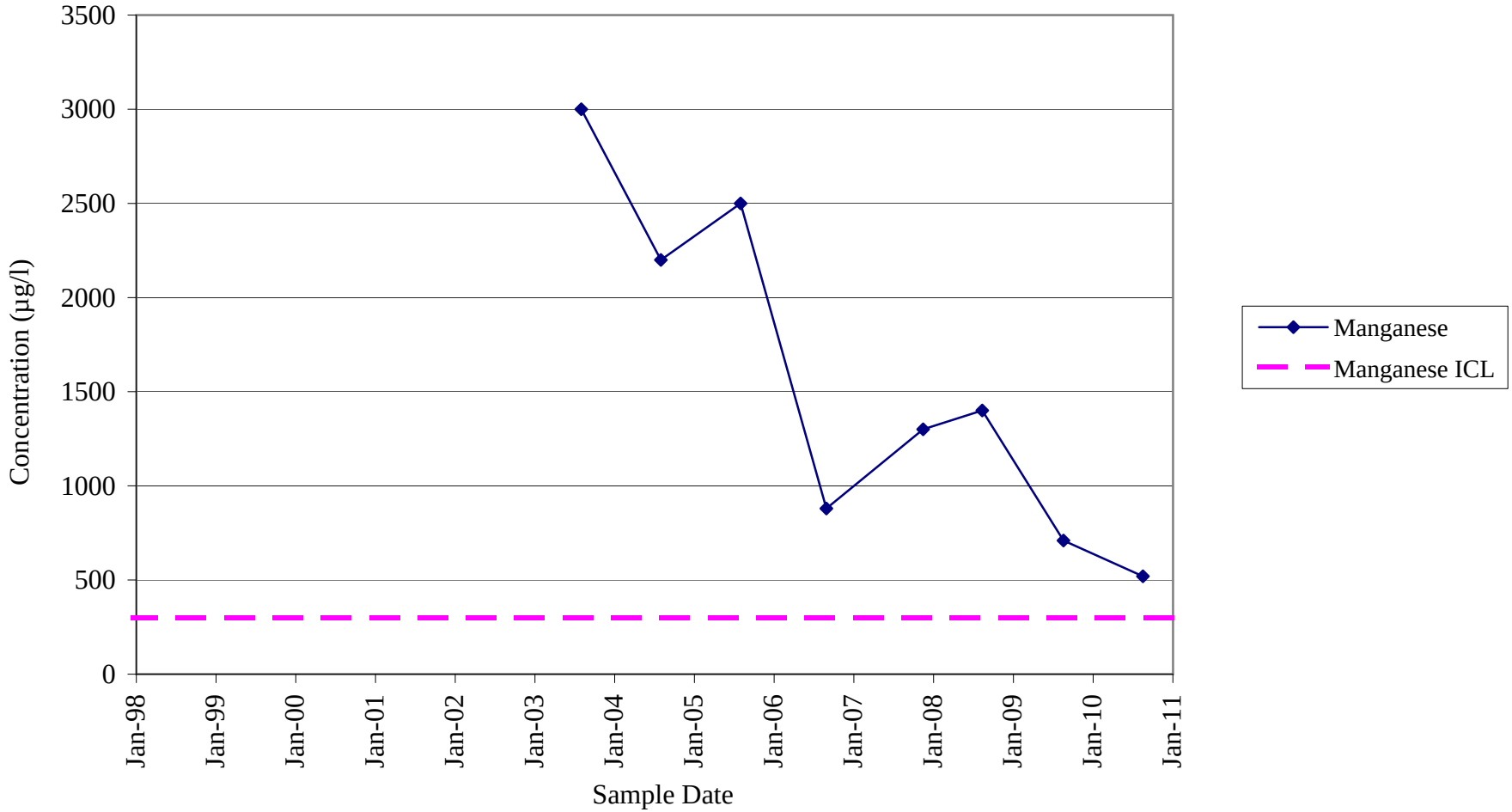
Coakley Landfill, North Hampton, NH



FPC-11B

Manganese Concentrations vs. Time

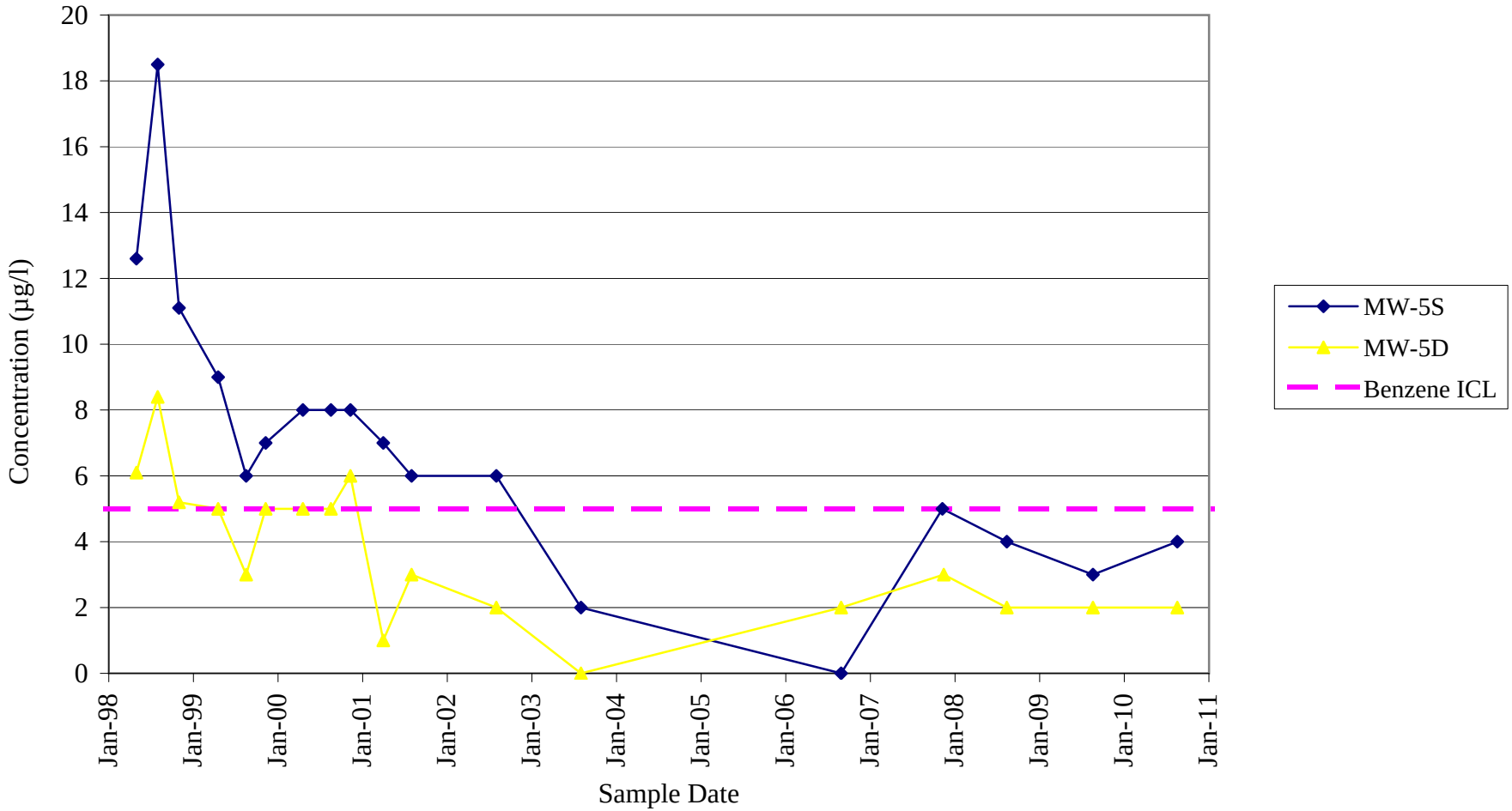
Coakley Landfill, North Hampton, NH

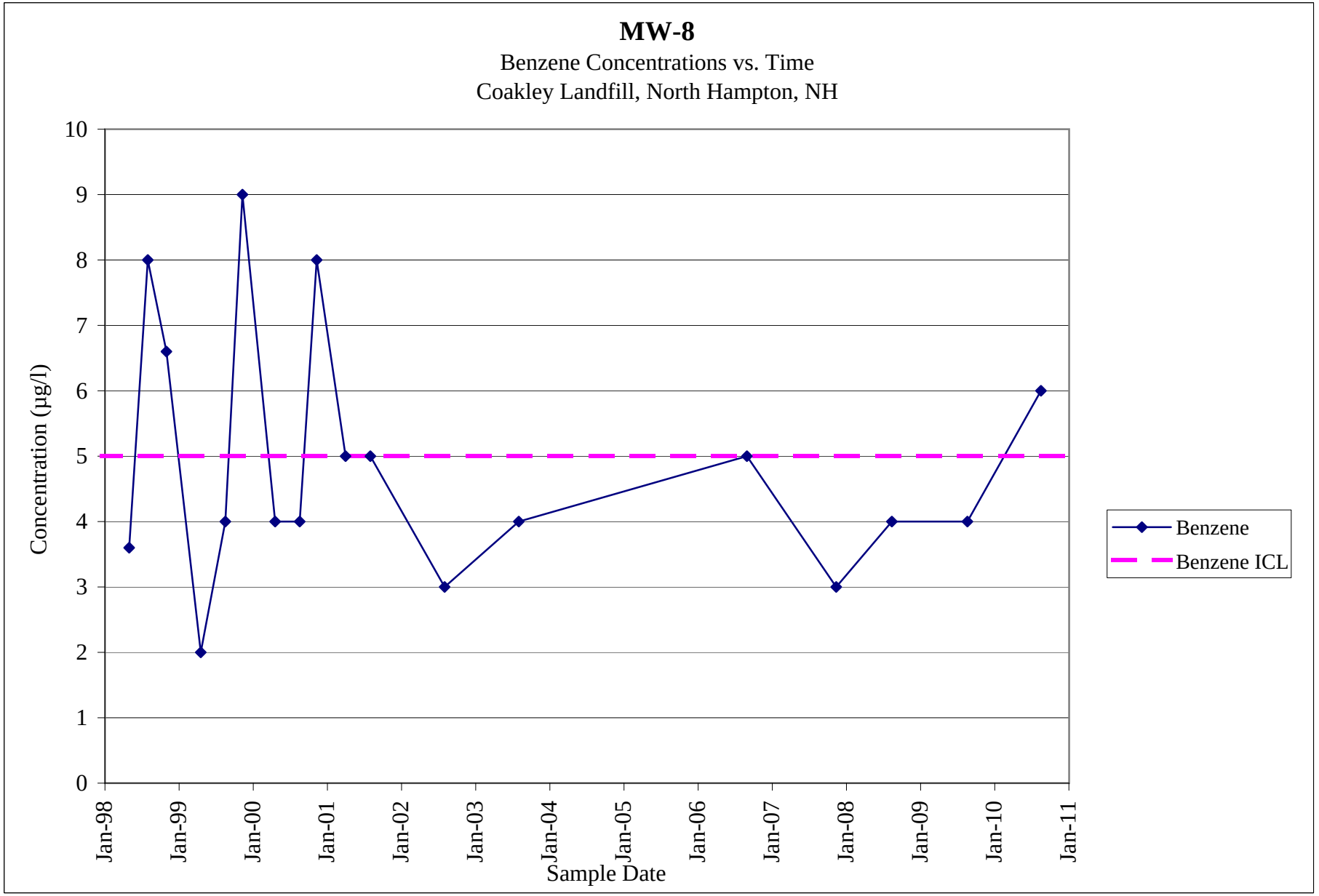


MW-5S & MW-5D

Benzene Concentrations vs. Time

Coakley Landfill, North Hampton, NH

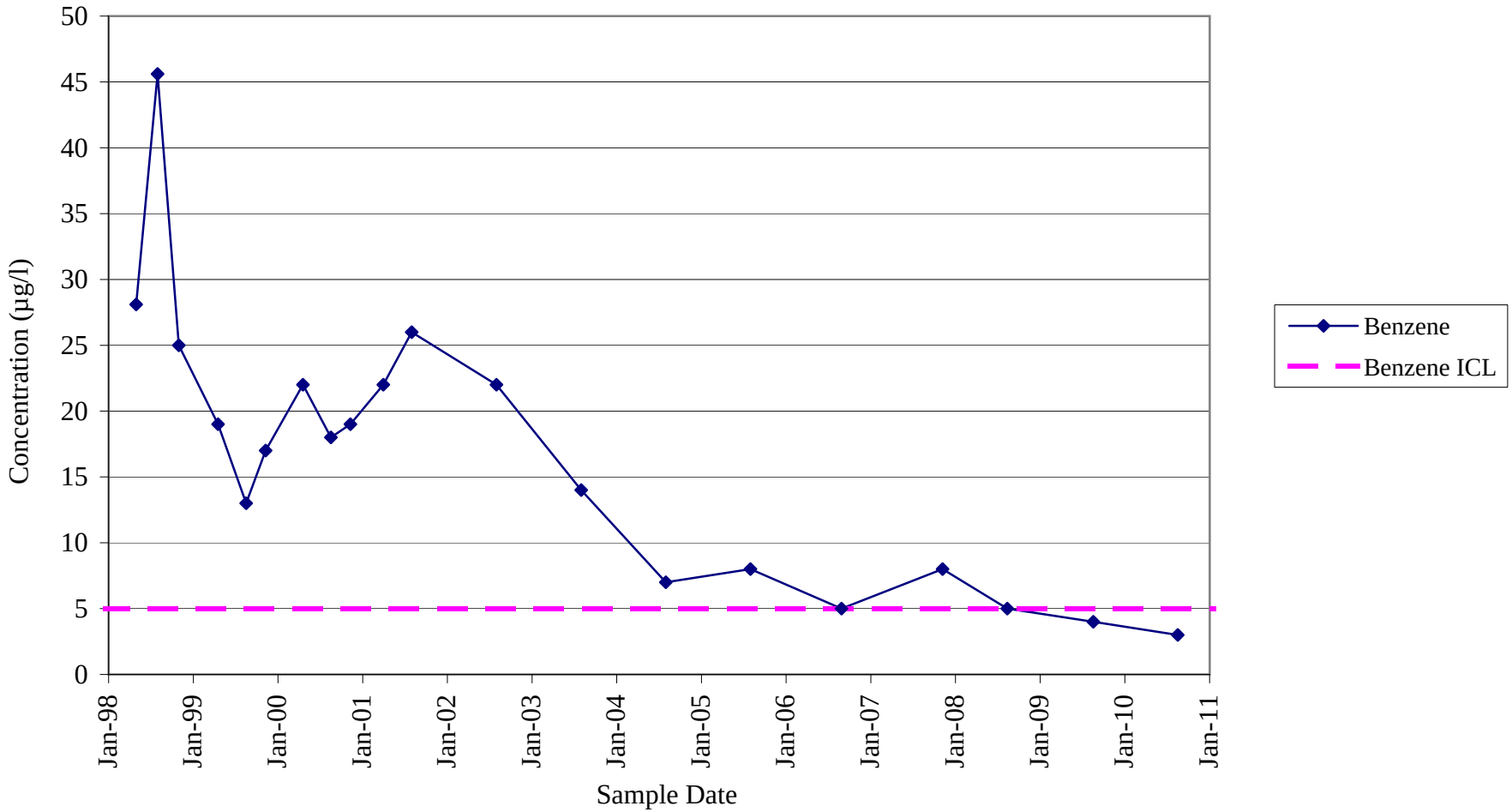


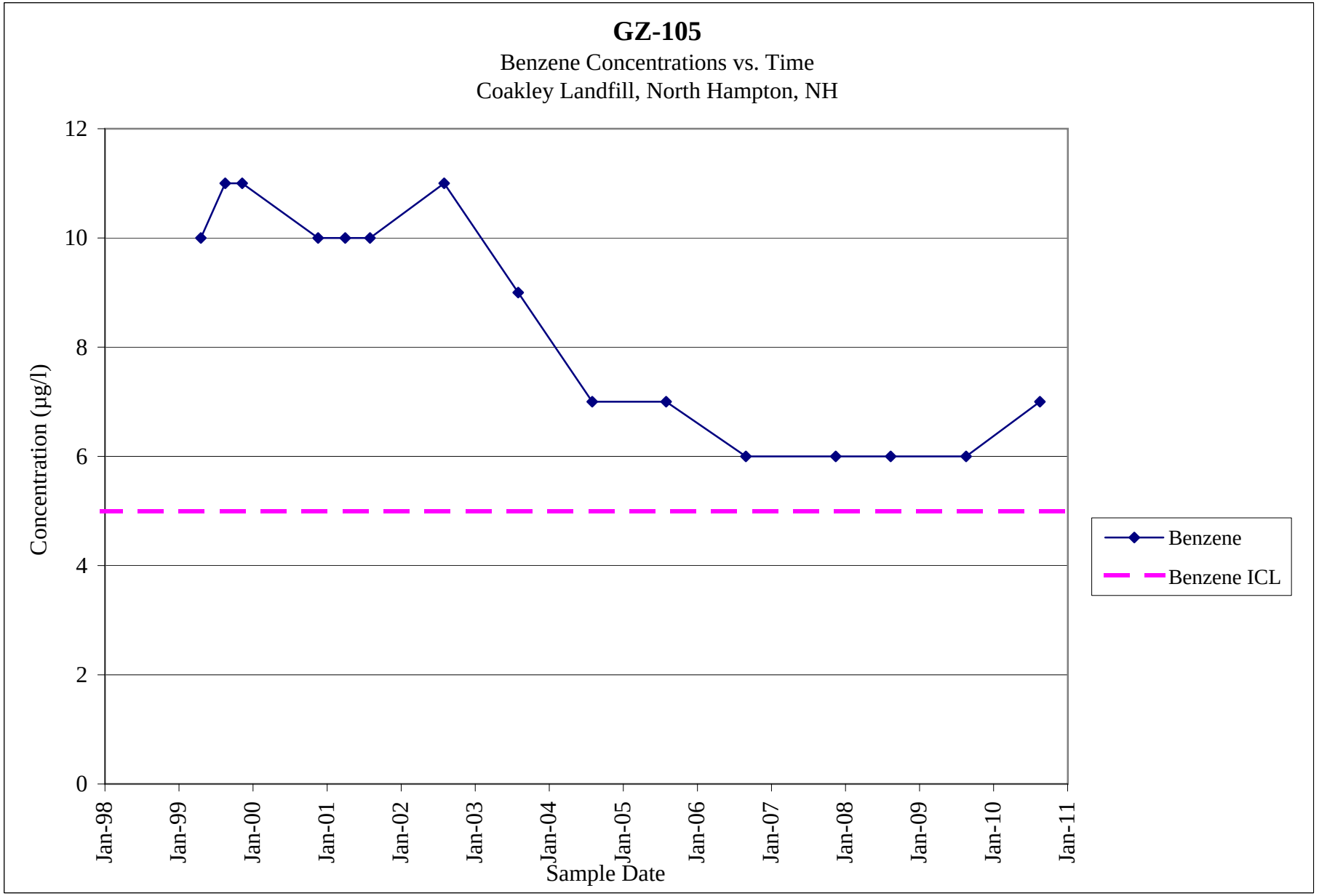

MW-8
Benzene Concentrations vs. Time
Coakley Landfill, North Hampton, NH
Concentration (µg/l)
10
9
8
7
6
5
4
3
2
1
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Sample Date
Benzene
Benzene ICL

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
Sample Date
Benzene
Benzene ICL

SECTION 5

MANN-KENDALL DATA EVALUATION SUMMARY

	Arsenic		Manganese		Benzene	
Well	Trend	Confidence	Trend	Confidence	Trend	Confidence
BP-4	Decreasing	95	Decreasing	90		
MW-4	Increasing	90	No Trend	Not stable		
MW-5S	Decreasing	70	Increasing	99	Decreasing	99.5
MW-5D	Decreasing	90	Decreasing	99.5	Decreasing	95
MW-6			Decreasing	70		
MW-8	No Trend	Stable	Decreasing	99.5	Decreasing	70
MW-9	Decreasing	75	Increasing	95		
MW-10	No Trend	Stable	Decreasing	95		
MW-11	Decreasing	90	Decreasing	99.5	Decreasing	99.5
OP-2	Decreasing	80	Increasing	97.5		
OP-5	Decreasing	99.5	Decreasing	99.5		
AE-1A	Increasing	99.5				
AE-2A	Decreasing	99	Decreasing	99		
AE-2B	Increasing	97.5	Decreasing	99.5		
AE-3A	Increasing	85	Decreasing	85		
AE-3B	Decreasing	90	Decreasing	99.5		
FPC-5A	Increasing	99.5				
FPC-5B	Increasing	85				
FPC-6A			Increasing	95		
FPC-6B			No Trend	Not stable		
FPC-9A	Decreasing	95	Decreasing	90		
FPC-11B	No Trend	Stable	Decreasing	99		
GZ-105					Decreasing	99.5

Shaded cells are for bedrock wells

Summary

Arsenic		Manganese		Benzene	
Decreasing	10	Decreasing	13	Decreasing	5
Increasing	6	Increasing	4	Increasing	0
No Trend	3	No Trend	2	No Trend	0

MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Arsenic
		EPA ID #	NHD064424153		

	Well ID =	MW-4	MW-5S	MW-9	MW-10
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99	45	21	180	59
2	11/10/99	51	20	85	11
3	4/19/00	40	24	61	3
4	8/18/00	83	23	88	14
5	11/18/00	60	18	69	10
6	4/1/01	42	21	63	3
7	8/1/01	64	23	150	32
8	8/1/02	41	26	140	28
9	8/1/03	40	10	120	11
10	8/1/04	66	15	60	33
11	8/1/05	130	14	280	24
12	8/1/06	43	10	81	11
13	11/15/07	58	26	56	12
14	8/12/08	69	26	57	9
15	8/19/09	70	18	78	17
16	8/18/10	64	16	120	19

Mann Kendall Statistic (S) =	32.0	-15.0	-19.0	4.0
Number of Rounds (n) =	16	16	16	16
Average =	60.38	19.44	105.50	18.50
Standard Deviation =	22.745	5.316	59.814	14.213
Coefficient of Variation(CV)=	0.377	0.274	0.567	0.768

Error Check, Blank if No Errors Detected

Trend	INCREASING	DECREASING	DECREASING	No Trend
Confidence Level	90%	70%	75%	No Trend

Stability Test, If No Trend Exists at 70% Confidence Level	NA	NA	NA	**CV <= 1 STABLE**

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Arsenic
	EPA ID #	NHD064424153		
Well ID =	MW-4	MW-5S	MW-9	MW-10
Number of tied groups	Count Ties	Count Ties	Count Ties	Count Ties
#tied 2 times	2	4	1	1
#tied 3 times	0	1	0	1
#tied 4 times	0	0	0	0
#tied 5 times	0	0	0	0
#tied 6 times	0	0	0	0
#tied 7 times	0	0	0	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	16	16	16	16
V(S) =	491.33	485.67	492.33	488.67
S =	32	-15	-19	4
Z =	1.399	-0.635	-0.811	0.136

n = Number of Samples

$V(S)$ = variance of $S = 1/18\ [n(n-1)(2n+5) - \sum p=1 \rightarrow g\ \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

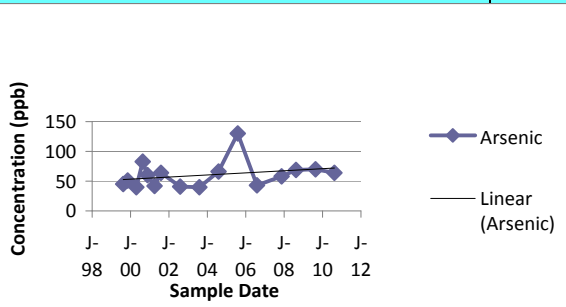
$Z = (S-1)/[V(S)]^{1/2}$ if $S>0$, $Z=0$ if $S=0$, $Z= (S+1)/[V(S)]^{1/2}$ if $S<0$

Z is comparred to table of critical values to determine confidence in trend

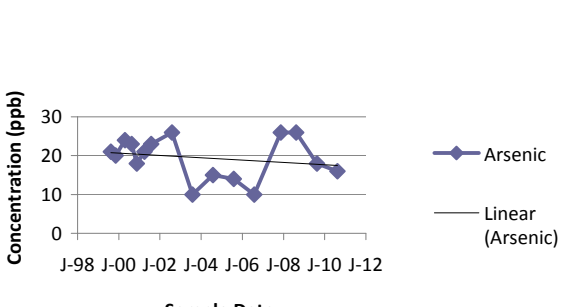
Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

MW-4	Site = Coakley Landfill				NHDES#: 198712001		EPA ID #: NHD064424153						Compound = Arsenic			
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
45	51	40	83	60	42	64	41	40	66	130	43	58	69	70	64	Sum Rows
	1	-1	1	1	-1	1	-1	-1	1	1	-1	1	1	1	1	5
		-1	1	1	-1	1	-1	-1	1	1	-1	1	1	1	1	4
			1	1	1	1	1	0	1	1	1	1	1	1	1	12
				-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-10
					-1	1	-1	-1	1	1	-1	-1	1	1	1	1
						1	-1	-1	1	1	1	1	1	1	1	6
							-1	-1	1	1	-1	-1	1	1	0	0
								-1	1	1	1	1	1	1	1	6
									1	1	1	1	1	1	1	7
										1	-1	-1	1	1	-1	0
											-1	-1	-1	-1	-1	-5
												1	1	1	1	4
													1	1	1	3
														1	-1	0
															-1	-1
													Mann Kendall Statistic (S) =			32



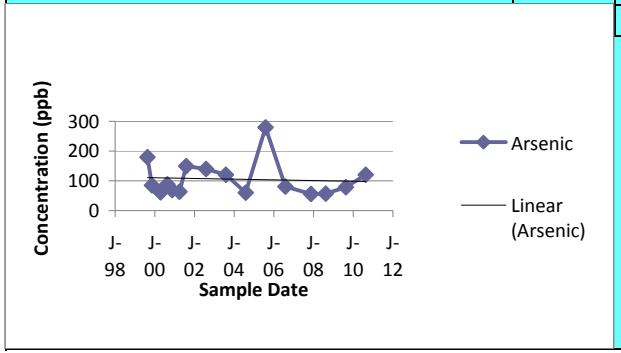
MW-5S	Site = Coakley Landfill				NHDES#: 198712001		EPA ID #: NHD064424153						Compound = Arsenic			
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
21	20	24	23	18	21	23	26	10	15	14	10	26	26	18	16	Sum Rows
	-1	1	1	-1	0	1	1	-1	-1	-1	-1	1	1	-1	-1	-2
		1	1	-1	1	1	1	-1	-1	-1	-1	1	1	-1	-1	0
			-1	-1	-1	-1	1	-1	-1	-1	-1	1	1	-1	-1	-7
				-1	-1	0	1	-1	-1	-1	-1	1	1	-1	-1	-5
					1	1	1	-1	-1	-1	-1	1	1	0	-1	0
						1	1	-1	-1	-1	-1	1	1	-1	-1	-2
							1	-1	-1	-1	-1	1	1	-1	-1	-3
								-1	-1	-1	-1	0	0	-1	-1	-6
									1	1	0	1	1	1	1	6
										-1	-1	1	1	1	1	2
											-1	1	1	1	1	3
												1	1	1	1	4
													0	-1	-1	-2
														-1	-1	-2
															-1	-1
													Mann Kendall Statistic (S) =			-15



Mann Kendall Statistic Calculations

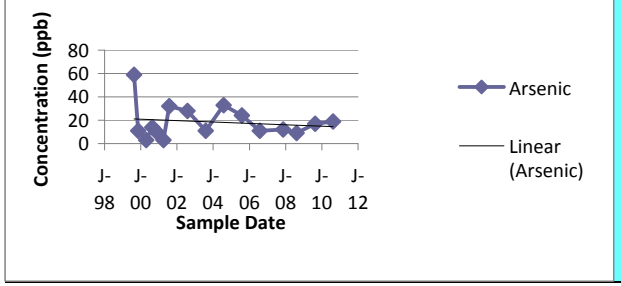
MW-9	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
180	85	61	88	69	63	150	140	120	60	280	81	56	57	78	120	Sum Rows
	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-13
		-1	1	-1	-1	1	1	1	-1	1	-1	-1	-1	-1	1	-2
			1	1	1	1	1	1	-1	1	1	-1	-1	1	1	7
				-1	-1	1	1	1	-1	1	-1	-1	-1	-1	1	-2
					-1	1	1	1	-1	1	1	-1	-1	1	1	3
						1	1	1	-1	1	1	-1	-1	1	1	4
							-1	-1	-1	1	-1	-1	-1	-1	-1	-7
								-1	-1	1	-1	-1	-1	-1	-1	-6
									-1	1	-1	-1	-1	-1	0	-4
										1	1	-1	-1	1	1	2
											-1	-1	-1	-1	-1	-5
												-1	-1	-1	1	-2
													1	1	1	3
														1	1	2
															1	1
													Mann Kendall Statistic (S) =			-19



MW-10	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
59	11	3	14	10	3	32	28	11	33	24	11	12	9	17	19	Sum Rows
	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-15
		-1	1	-1	-1	1	1	0	1	1	0	1	-1	1	1	4
			1	1	0	1	1	1	1	1	1	1	1	1	1	12
				-1	-1	1	1	-1	1	1	-1	-1	-1	1	1	0
					-1	1	1	1	1	1	1	1	-1	1	1	7
						1	1	1	1	1	1	1	1	1	1	10
							-1	-1	1	-1	-1	-1	-1	-1	-1	-7
								-1	1	-1	-1	-1	-1	-1	-1	-6
									1	1	0	1	-1	1	1	4
										-1	-1	-1	-1	-1	-1	-6
											-1	-1	-1	-1	-1	-5
												1	-1	1	1	2
													-1	1	1	1
														1	1	2
															1	1
													Mann Kendall Statistic (S) =			4



MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Arsenic
		EPA ID #	NHD064424153		

	Well ID =	OP-2	OP-5	AE-1A	AE-2A
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99	410	53	14	240
2	11/10/99	1	42	15	360
3	4/19/00	230	51	18	310
4	8/18/00	300	45	15	330
5	11/18/00	200	50	17	290
6	4/1/01	17	27	18	330
7	8/1/01	290	31	17	340
8	8/1/02	260	48	18	290
9	8/1/03	270	46	20	330
10	8/1/04	190	33	22	290
11	8/1/05	25	25	20	300
12	8/1/06	200	27	15	240
13	11/15/07	190	33	39	280
14	8/12/08	170	17	41	230
15	8/19/09	200	13	29	240
16	8/18/10	220	19	20	240

Mann Kendall Statistic (S) =	-22.0	-74.0	72.0	-54.0
Number of Rounds (n) =	16	16	16	16
Average =	198.31	35.00	21.13	290.00
Standard Deviation =	108.557	13.064	8.197	41.952
Coefficient of Variation(CV)=	0.547	0.373	0.388	0.145

Error Check, Blank if No Errors Detected

Trend	DECREASING	DECREASING	INCREASING	DECREASING
Confidence Level	80%	99.5%	99.5%	99%

Stability Test, If No Trend Exists at 70% Confidence Level	NA	NA	NA	NA

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Arsenic
	EPA ID #	NHD064424153		
Well ID =	OP-2	OP-5	AE-1A	AE-2A
Number of tied groups	Count Ties	Count Ties	Count Ties	Count Ties
#tied 2 times	1	2	1	0
#tied 3 times	1	0	3	2
#tied 4 times	0	0	0	1
#tied 5 times	0	0	0	0
#tied 6 times	0	0	0	0
#tied 7 times	0	0	0	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	16	16	16	16
V(S) =	488.67	491.33	481.33	477.33
S =	-22	-74	72	-54
Z =	-0.950	-3.293	3.236	-2.426

n = Number of Samples

$V(S)$ = variance of $S = 1/18\ [n(n-1)(2n+5) - \sum p=1 \rightarrow g\ \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

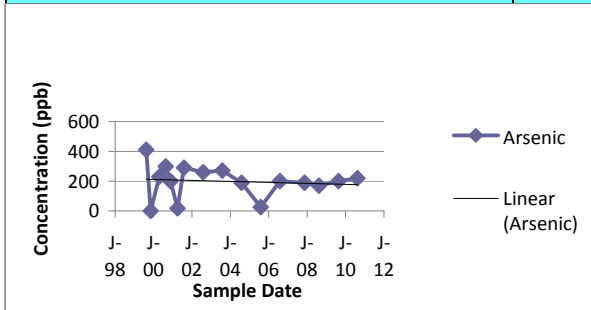
$Z = (S-1)/[V(S)]^{1/2}$ if $S>0$, $Z=0$ if $S=0$, $Z= (S+1)/[V(S)]^{1/2}$ if $S<0$

Z is comparred to table of critical values to determine confidence in trend

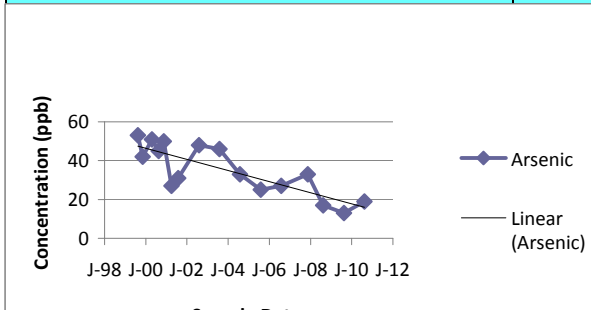
Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

OP-2	Site = Coakley Landfill				NHDES#: 198712001			EPA ID #: NHD064424153					Compound = Arsenic			
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
410	1	230	300	200	17	290	260	270	190	25	200	190	170	200	220	Sum Rows
	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-15
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	14
			1	-1	-1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-5
				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-12
					-1	1	1	1	-1	-1	0	-1	-1	0	1	-1
						1	1	1	1	1	1	1	1	1	1	10
							-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
								1	-1	-1	-1	-1	-1	-1	-1	-6
									-1	-1	-1	-1	-1	-1	-1	-7
										-1	1	0	-1	1	1	1
											1	1	1	1	1	5
												-1	-1	0	1	-1
													-1	1	1	1
														1	1	2
															1	1
													Mann Kendall Statistic (S) =			-22



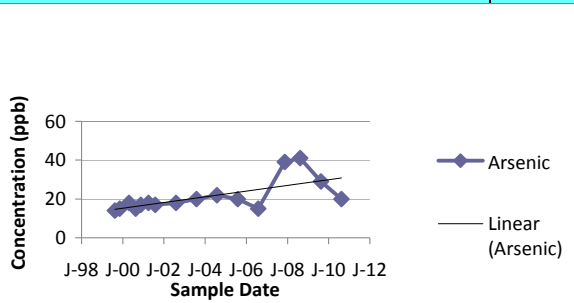
OP-5	Site = Coakley Landfill				NHDES#: 198712001			EPA ID #: NHD064424153					Compound = Arsenic			
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
53	42	51	45	50	27	31	48	46	33	25	27	33	17	13	19	Sum Rows
	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-15
		1	1	1	-1	-1	1	1	-1	-1	-1	-1	-1	-1	-1	-4
			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-13
				1	-1	-1	1	1	-1	-1	-1	-1	-1	-1	-1	-6
					-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-11
						1	1	1	1	-1	0	1	-1	-1	-1	1
							1	1	1	-1	-1	1	-1	-1	-1	-1
								-1	-1	-1	-1	-1	-1	-1	-1	-8
									-1	-1	-1	-1	-1	-1	-1	-7
										-1	-1	0	-1	-1	-1	-5
											1	1	-1	-1	-1	-1
												1	-1	-1	-1	-2
													-1	-1	-1	-3
														-1	1	0
															1	1
													Mann Kendall Statistic (S) =			-74



Mann Kendall Statistic Calculations

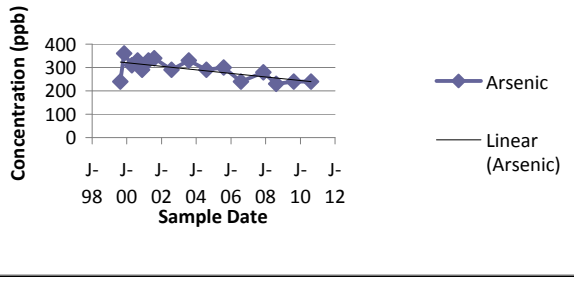
AE-1A	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
14	15	18	15	17	18	17	18	20	22	20	15	39	41	29	20	Sum Rows
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
		1	0	1	1	1	1	1	1	1	0	1	1	1	1	12
			-1	-1	0	-1	0	1	1	1	-1	1	1	1	1	3
				1	1	1	1	1	1	1	0	1	1	1	1	11
					1	0	1	1	1	1	-1	1	1	1	1	8
						-1	0	1	1	1	-1	1	1	1	1	5
							1	1	1	1	-1	1	1	1	1	7
								1	1	1	-1	1	1	1	1	6
									1	0	-1	1	1	1	0	3
										-1	-1	1	1	1	-1	0
											-1	1	1	1	0	2
												1	1	1	1	4
													1	-1	-1	-1
														-1	-1	-2
															-1	-1
													Mann Kendall Statistic (S) =			72



AE-2A	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
240	360	310	330	290	330	340	290	330	290	300	240	280	230	240	240	Sum Rows
	1	1	1	1	1	1	1	1	1	1	0	1	-1	0	0	10
		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-14
			1	-1	1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-5
				-1	0	1	-1	0	-1	-1	-1	-1	-1	-1	-1	-8
					1	1	0	1	0	1	-1	-1	-1	-1	-1	-1
						1	-1	0	-1	-1	-1	-1	-1	-1	-1	-7
							-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
								1	0	1	-1	-1	-1	-1	-1	-3
									-1	-1	-1	-1	-1	-1	-1	-7
										1	-1	-1	-1	-1	-1	-4
											-1	-1	-1	-1	-1	-5
												1	-1	0	0	0
													-1	-1	-1	-3
														1	1	2
															0	0
													Mann Kendall Statistic (S) =			-54



MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Arsenic
		EPA ID #	NHD064424153		

	Well ID =	AE-3A	FPC-5A	FPC-9A	
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99	150	30	81	
2	11/10/99	92	34	18	
3	4/19/00	87	27	60	
4	8/18/00	130	40	70	
5	11/18/00	100	0.5		
6	4/1/01	90	1	53	
7	8/1/01	130	46	65	
8	8/1/02	110	54	79	
9	8/1/03	110	8	64	
10	8/1/04	110	45	2	
11	8/1/05	120	65	2	
12	8/1/06	100	42	44	
13	11/15/07	130	53	37	
14	8/12/08	150	54	26	
15	8/19/09	120	53	34	
16	8/18/10	120	55	35	

Mann Kendall Statistic (S) =	27.0	60.0	-38.0	0.0
Number of Rounds (n) =	16	16	15	0
Average =	115.56	37.97	44.67	#DIV/0!
Standard Deviation =	19.422	19.982	25.634	#DIV/0!
Coefficient of Variation(CV)=	0.168	0.526	0.574	#DIV/0!

Error Check, Blank if No Errors Detected				n<4
Trend	INCREASING	INCREASING	DECREASING	n<4
Confidence Level	85%	99.5%	95%	n<4

Stability Test, If No Trend Exists at				n<4
70% Confidence Level	NA	NA	NA	n<4

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Arsenic
	EPA ID #	NHD064424153		
Well ID =	AE-3A	FPC-5A	FPC-9A	0
Number of tied groups	Count Ties	Count Ties	Count Ties	No Ties
#tied 2 times	2	2	1	0
#tied 3 times	3	0	0	0
#tied 4 times	0	0	0	0
#tied 5 times	0	0	0	0
#tied 6 times	0	0	0	0
#tied 7 times	0	0	0	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	16	16	15	0
V(S) =	480.33	491.33	407.33	0.00
S =	27	60	-38	0
Z =	1.186	2.662	-1.833	0.000

n = Number of Samples

$V(S)$ = variance of $S = 1/18\ [n(n-1)(2n+5) - \sum p=1 \rightarrow g\ \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

$Z = (S-1)/[V(S)]^{1/2}$ if $S>0$, $Z=0$ if $S=0$, $Z= (S+1)/[V(S)]^{1/2}$ if $S<0$

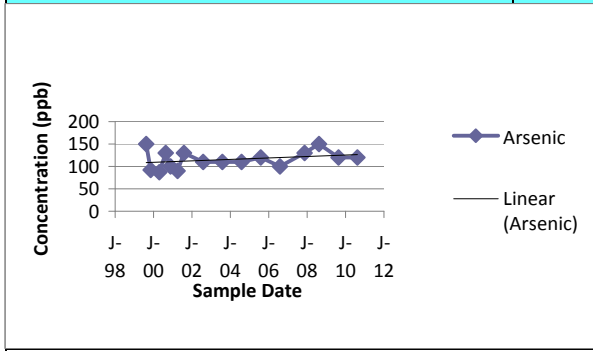
Z is comparred to table of critical values to determine confidence in trend

Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

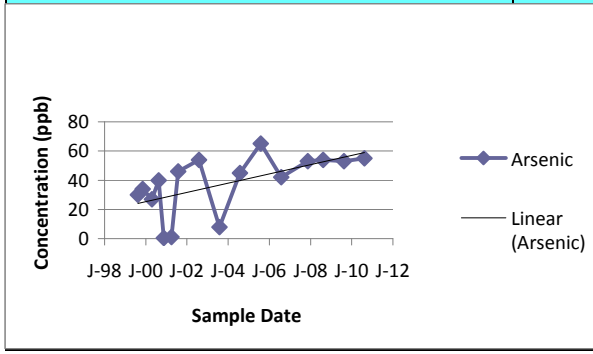
AE-3A	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
150	92	87	130	100	90	130	110	110	110	120	100	130	150	120	120	Sum Rows
	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	-1	-1	-14
		-1	1	1	-1	1	1	1	1	1	1	1	1	1	1	10
			1	1	1	1	1	1	1	1	1	1	1	1	1	13
				-1	-1	0	-1	-1	-1	-1	-1	0	1	-1	-1	-8
					-1	1	1	1	1	1	0	1	1	1	1	8
						1	1	1	1	1	1	1	1	1	1	10
							-1	-1	-1	-1	-1	0	1	-1	-1	-6
								0	0	1	-1	1	1	1	1	4
									0	1	-1	1	1	1	1	4
										1	-1	1	1	1	1	4
											-1	1	1	0	0	1
												1	1	1	1	4
													1	-1	-1	-1
														-1	-1	-2
															0	0
													Mann Kendall Statistic (S) =			27



FPC-5A	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

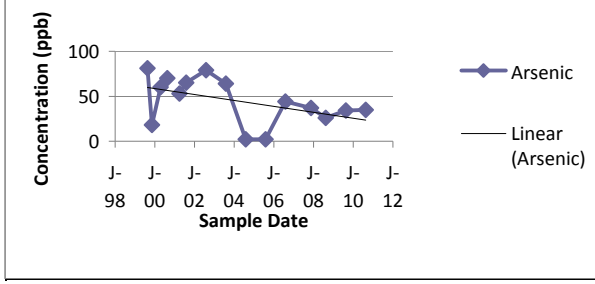
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
30	34	27	40	1	1	46	54	8	45	65	42	53	54	53	55	Sum Rows
	1	-1	1	-1	-1	1	1	-1	1	1	1	1	1	1	1	7
		-1	1	-1	-1	1	1	-1	1	1	1	1	1	1	1	6
			1	-1	-1	1	1	-1	1	1	1	1	1	1	1	7
				-1	-1	1	1	-1	1	1	1	1	1	1	1	6
					1	1	1	1	1	1	1	1	1	1	1	11
						1	1	1	1	1	1	1	1	1	1	10
							1	-1	-1	1	-1	1	1	1	1	3
								-1	-1	1	-1	-1	0	-1	1	-3
									1	1	1	1	1	1	1	7
										1	-1	1	1	1	1	4
											-1	-1	-1	-1	-1	-5
												1	1	1	1	4
													1	0	1	2
														-1	1	0
															1	1
													Mann Kendall Statistic (S) =			60



Mann Kendall Statistic Calculations

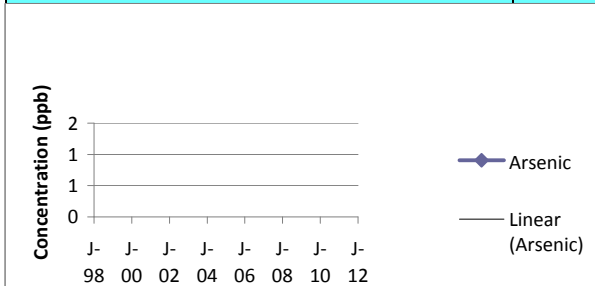
FPC-9A	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
81	18	60	70		53	65	79	64	2	2	44	37	26	34	35	Sum Rows
	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-14
		1	1		1	1	1	1	-1	-1	1	1	1	1	1	9
			1		-1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-4
					-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-9
																0
						1	1	1	-1	-1	-1	-1	-1	-1	-1	-4
							1	-1	-1	-1	-1	-1	-1	-1	-1	-7
								-1	-1	-1	-1	-1	-1	-1	-1	-8
									-1	-1	-1	-1	-1	-1	-1	-7
										0	1	1	1	1	1	5
											1	1	1	1	1	5
												-1	-1	-1	-1	-4
													-1	-1	-1	-3
														1	1	2
															1	1
													Mann Kendall Statistic (S) =			-38



0	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
																Sum Rows
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
													Mann Kendall Statistic (S) =			0



MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Arsenic
		EPA ID #	NHD064424153		

	Well ID =	BP-4	MW-5D	MW-8	MW-11
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99	36	7	8	16
2	11/10/99	34	8	10	14
3	4/19/00	32	10	7	14
4	8/18/00	43	10	7	12
5	11/18/00	35	9	10	10
6	4/1/01	20	7	11	14
7	8/1/01	31	8	43	20
8	8/1/02	36	6	9	17
9	8/1/03	32	7	8	15
10	8/1/04	22	5	6	11
11	8/1/05	11	6	10	12
12	8/1/06	26	5	7	10
13	11/15/07	30	11	10	15
14	8/12/08	23	5	8	13
15	8/19/09	22	6	8	11
16	8/18/10	34	10	13	11
	Mann Kendall Statistic (S) =	-44.0	-31.0	7.0	-33.0
	Number of Rounds (n) =	16	16	16	16
	Average =	29.19	7.50	10.94	13.44
	Standard Deviation =	7.960	2.000	8.737	2.756
	Coefficient of Variation(CV)=	0.273	0.267	0.799	0.205

Error Check, Blank if No Errors Detected				
Trend	DECREASING	DECREASING	No Trend	DECREASING
Confidence Level	95%	90%	No Trend	90%
Stability Test, If No Trend Exists at 70% Confidence Level	NA	NA	**CV <= 1 STABLE**	NA

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Arsenic
	EPA ID #	NHD064424153		
Well ID =	BP-4	MW-5D	MW-8	MW-11
Number of tied groups	Count Ties	Count Ties	Count Ties	Count Ties
#tied 2 times	4	1	0	3
#tied 3 times	0	4	1	2
#tied 4 times	0	0	2	0
#tied 5 times	0	0	0	0
#tied 6 times	0	0	0	0
#tied 7 times	0	0	0	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	16	16	16	16
V(S) =	489.33	477.67	472.33	483.00
S =	-44	-31	7	-33
Z =	-1.944	-1.373	0.276	-1.456

n = Number of Samples

V(S) = variance of S = $1/18\ [n(n-1)(2n+5) - \sum p=1 \rightarrow g\ \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

$Z = (S-1)/[V(S)]^{1/2}$ if S>0, Z=0 if S=0, $Z= (S+1)/[V(S)]^{1/2}$ if S<0

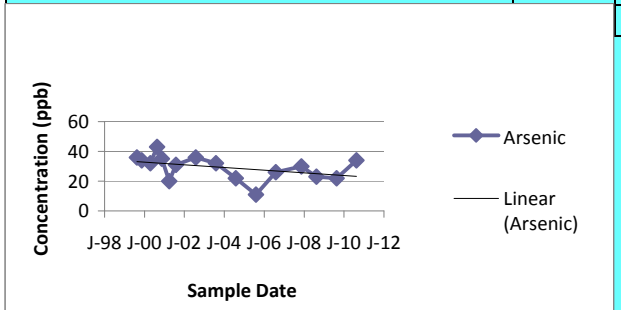
Z is comparred to table of critical values to determine confidence in trend

Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

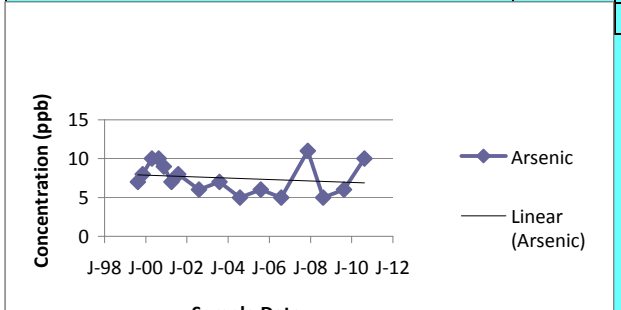
BP-4	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
36	34	32	43	35	20	31	36	32	22	11	26	30	23	22	34	Sum Rows
	-1	-1	1	-1	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-12
		-1	1	1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	0	-7
			1	1	-1	-1	1	0	-1	-1	-1	-1	-1	-1	1	-4
				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-12
					-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-9
						1	1	1	1	-1	1	1	1	1	1	8
							1	1	-1	-1	-1	-1	-1	-1	1	-3
								-1	-1	-1	-1	-1	-1	-1	-1	-8
									-1	-1	-1	-1	-1	-1	1	-5
										-1	1	1	1	0	1	3
											1	1	1	1	1	5
												1	-1	-1	1	0
													-1	-1	1	-1
														-1	1	0
															1	1
													Mann Kendall Statistic (S) =			-44



MW-5D	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

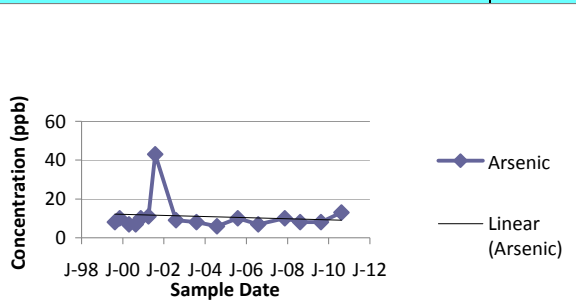
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
7	8	10	10	9	7	8	6	7	5	6	5	11	5	6	10	Sum Rows
	1	1	1	1	0	1	-1	0	-1	-1	-1	1	-1	-1	1	1
		1	1	1	-1	0	-1	-1	-1	-1	-1	1	-1	-1	1	-3
			0	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	0	-9
				-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	0	-9
					-1	-1	-1	-1	-1	-1	-1	1	-1	-1	1	-7
						1	-1	0	-1	-1	-1	1	-1	-1	1	-3
							-1	-1	-1	-1	-1	1	-1	-1	1	-5
								1	-1	0	-1	1	-1	0	1	0
									-1	-1	-1	1	-1	-1	1	-3
										1	0	1	0	1	1	4
											-1	1	-1	0	1	0
												1	0	1	1	3
													-1	-1	-1	-3
														1	1	2
															1	1
													Mann Kendall Statistic (S) =			-31



Mann Kendall Statistic Calculations

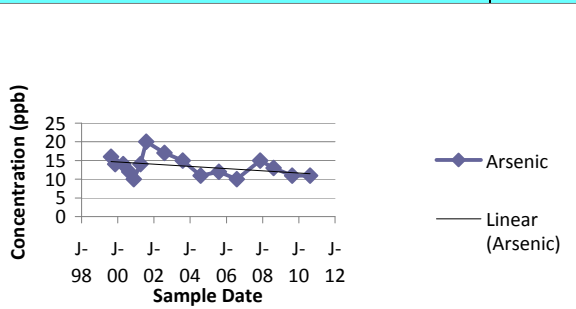
MW-8	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
8	10	7	7	10	11	43	9	8	6	10	7	10	8	8	13	Sum Rows
	1	-1	-1	1	1	1	1	0	-1	1	-1	1	0	0	1	4
		-1	-1	0	1	1	-1	-1	-1	0	-1	0	-1	-1	1	-5
			0	1	1	1	1	1	-1	1	0	1	1	1	1	9
				1	1	1	1	1	-1	1	0	1	1	1	1	9
					1	1	-1	-1	-1	0	-1	0	-1	-1	1	-3
						1	-1	-1	-1	-1	-1	-1	-1	-1	1	-6
							-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
								-1	-1	1	-1	1	-1	-1	1	-2
									-1	1	-1	1	0	0	1	1
										1	1	1	1	1	1	6
											-1	0	-1	-1	1	-2
												1	1	1	1	4
													-1	-1	1	-1
														0	1	1
															1	1
													Mann Kendall Statistic (S) =			7



MW-11	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
16	14	14	12	10	14	20	17	15	11	12	10	15	13	11	11	Sum Rows
	-1	-1	-1	-1	-1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-11
		0	-1	-1	0	1	1	1	-1	-1	-1	1	-1	-1	-1	-4
			-1	-1	0	1	1	1	-1	-1	-1	1	-1	-1	-1	-4
				-1	1	1	1	1	-1	0	-1	1	1	-1	-1	1
					1	1	1	1	1	1	0	1	1	1	1	10
						1	1	1	-1	-1	-1	1	-1	-1	-1	-2
							-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
								-1	-1	-1	-1	-1	-1	-1	-1	-8
									-1	-1	-1	0	-1	-1	-1	-6
										1	-1	1	1	0	0	2
											-1	1	1	-1	-1	-1
												1	1	1	1	4
													-1	-1	-1	-3
														-1	-1	-2
															0	0
													Mann Kendall Statistic (S) =			-33



MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Arsenic
		EPA ID #	NHD064424153		

	Well ID =	AE-2B	AE-3B	FPC-5B	FPC-11B
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99	13	120	0.5	
2	11/10/99	11	100	0.5	
3	4/19/00	7	91	0.5	
4	8/18/00	8	82	0.5	
5	11/18/00	26	93	31	
6	4/1/01	13	83	34	
7	8/1/01	16	110	2	
8	8/1/02	11	73	1	
9	8/1/03	18	84	38	30
10	8/1/04	16	92	0.5	8
11	8/1/05	25	78	4	11
12	8/1/06	24	91	0.5	6
13	11/15/07	20	82	4	9
14	8/12/08	19	95	1	8
15	8/19/09	26	91	1	10
16	8/18/10	16	79	3	10

Mann Kendall Statistic (S) =	52.0	-32.0	23.0	-2.0
Number of Rounds (n) =	16	16	16	8
Average =	16.81	90.25	7.63	11.50
Standard Deviation =	6.199	12.130	13.367	7.635
Coefficient of Variation(CV)=	0.369	0.134	1.753	0.664

Error Check, Blank if No Errors Detected				
Trend	INCREASING	DECREASING	INCREASING	No Trend
Confidence Level	97.5%	90%	85%	No Trend
Stability Test, If No Trend Exists at 70% Confidence Level	NA	NA	NA	**CV <= 1 STABLE**

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Arsenic
	EPA ID #	NHD064424153		
Well ID =	AE-2B	AE-3B	FPC-5B	FPC-11B
Number of tied groups	Count Ties	Count Ties	Count Ties	Count Ties
#tied 2 times	3	1	1	2
#tied 3 times	1	1	1	0
#tied 4 times	0	0	0	0
#tied 5 times	0	0	0	0
#tied 6 times	0	0	1	0
#tied 7 times	0	0	1	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	16	16	16	8
V(S) =	486.67	488.67	449.33	63.33
S =	52	-32	23	-2
Z =	2.312	-1.402	1.038	-0.126

n = Number of Samples

$V(S)$ = variance of $S = 1/18\ [n(n-1)(2n+5) - \sum p=1 \rightarrow g\ \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

$Z = (S-1)/[V(S)]^{1/2}$ if $S>0$, $Z=0$ if $S=0$, $Z= (S+1)/[V(S)]^{1/2}$ if $S<0$

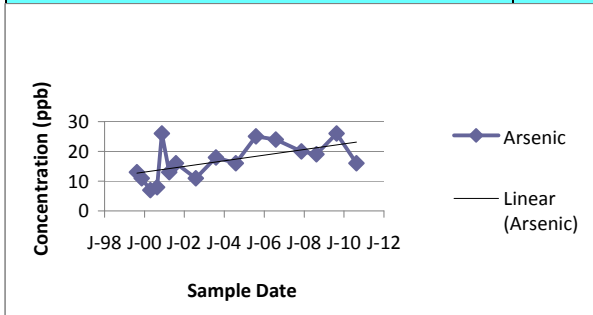
Z is comparred to table of critical values to determine confidence in trend

Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

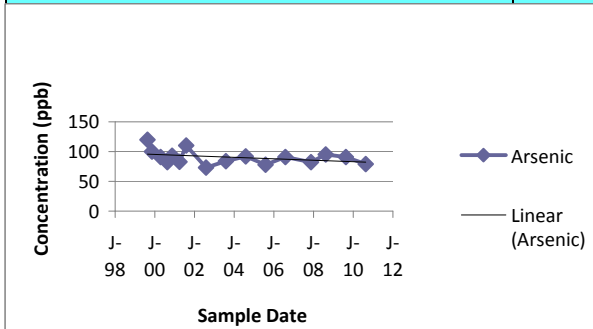
AE-2B	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
13	11	7	8	26	13	16	11	18	16	25	24	20	19	26	16	Sum Rows
	-1	-1	-1	1	0	1	-1	1	1	1	1	1	1	1	1	6
		-1	-1	1	1	1	0	1	1	1	1	1	1	1	1	9
			1	1	1	1	1	1	1	1	1	1	1	1	1	13
				1	1	1	1	1	1	1	1	1	1	1	1	12
					-1	-1	-1	-1	-1	-1	-1	-1	-1	0	-1	-10
						1	-1	1	1	1	1	1	1	1	1	8
							-1	1	0	1	1	1	1	1	0	5
								1	1	1	1	1	1	1	1	8
									-1	1	1	1	1	1	-1	3
										1	1	1	1	1	0	5
											-1	-1	-1	1	-1	-3
												-1	-1	1	-1	-2
													-1	1	-1	-1
														1	-1	0
															-1	-1
													Mann Kendall Statistic (S) =			52



AE-3B	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

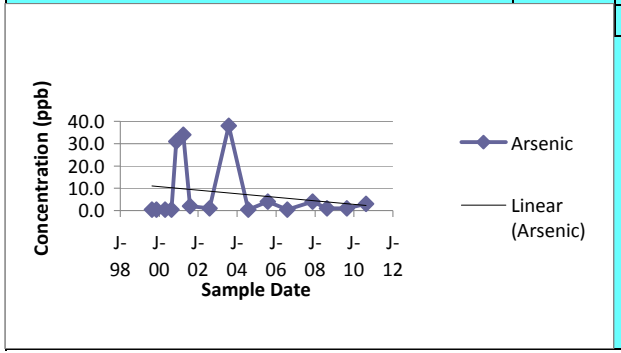
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
120	100	91	82	93	83	110	73	84	92	78	91	82	95	91	79	Sum Rows
	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-15
		-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-12
			-1	1	-1	1	-1	-1	1	-1	0	-1	1	0	-1	-3
				1	1	1	-1	1	1	-1	1	0	1	1	-1	5
					-1	1	-1	-1	-1	-1	-1	-1	1	-1	-1	-7
						1	-1	1	1	-1	1	-1	1	1	-1	2
							-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
								1	1	1	1	1	1	1	1	8
									1	-1	1	-1	1	1	-1	1
										-1	-1	-1	1	-1	-1	-4
											1	1	1	1	1	5
												-1	1	0	-1	-1
													1	1	-1	1
														-1	-1	-2
															-1	-1
													Mann Kendall Statistic (S) =			-32



Mann Kendall Statistic Calculations

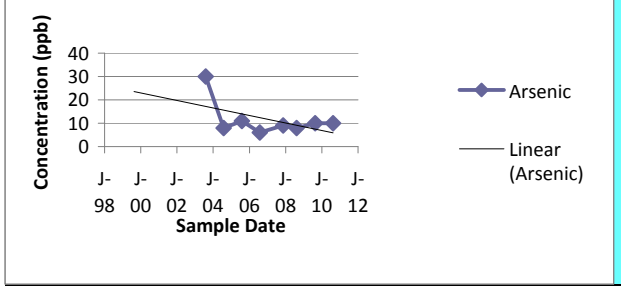
FPC-5B	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
1	1	1	1	31	34	2	1	38	1	4	1	4	1	1	3	Sum Rows
	0	0	0	1	1	1	1	1	0	1	0	1	1	1	1	10
		0	0	1	1	1	1	1	0	1	0	1	1	1	1	10
			0	1	1	1	1	1	0	1	0	1	1	1	1	10
				1	1	1	1	1	0	1	0	1	1	1	1	10
					1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-7
						-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-8
							-1	1	-1	1	-1	1	-1	-1	1	-1
								1	-1	1	-1	1	0	0	1	2
									-1	-1	-1	-1	-1	-1	-1	-7
										1	0	1	1	1	1	5
											-1	0	-1	-1	-1	-4
												1	1	1	1	4
													-1	-1	-1	-3
														0	1	1
															1	1
													Mann Kendall Statistic (S) =			23



FPC-11B	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Arsenic

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
								30	8	11	6	9	8	10	10	Sum Rows
																0
																0
																0
																0
																0
																0
																0
																0
									-1	-1	-1	-1	-1	-1	-1	-7
										1	-1	1	0	1	1	3
											-1	-1	-1	-1	-1	-5
												1	1	1	1	4
													-1	1	1	1
														1	1	2
															0	0
													Mann Kendall Statistic (S) =			-2



MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Manganese
		EPA ID #	NHD064424153		

	Well ID =	MW-4	MW-5S	MW-9	MW-10
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99	1,400	2,700	950	5,400
2	11/10/99	1,300	3,000	1,400	8,600
3	4/19/00	1,700	2,800	1,200	2,700
4	8/18/00	1,400	3,100	1,000	3,600
5	11/18/00	1,500	3,400	1,100	1,900
6	4/1/01	1,600	3,100	880	910
7	8/1/01	1,400	3,200	1,000	3,900
8	8/1/02	1,300	3,500	1,100	4,400
9	8/1/03	1,700	4,100	1,300	8,100
10	8/1/04	1,400	3,800	1,100	3,900
11	8/1/05	13,000	3,600	710	3,500
12	8/1/06	4,500	3,700	2,400	3,200
13	11/15/07	5,900	4,400	1,200	2,800
14	8/12/08	5,800	3,900	3,500	760
15	8/19/09	1,200	3,400	2,100	2,200
16	8/18/10	1,100	2,900	1,400	2,700

Mann Kendall Statistic (S) =	12.0	58.0	40.0	-42.0
Number of Rounds (n) =	16	16	16	16
Average =	2887.50	3412.50	1396.25	3660.63
Standard Deviation =	3149.153	484.252	708.462	2188.346
Coefficient of Variation(CV)=	1.091	0.142	0.507	0.598

Error Check, Blank if No Errors Detected

Trend	No Trend	INCREASING	INCREASING	DECREASING
Confidence Level	No Trend	99%	95%	95%

Stability Test, If No Trend Exists at 70% Confidence Level	**CV > 1 NON-STABLE**	NA	NA	NA

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Manganese
	EPA ID #	NHD064424153		
Well ID =	MW-4	MW-5S	MW-9	MW-10
Number of tied groups	Count Ties	Count Ties	Count Ties	Count Ties
#tied 2 times	2	2	3	2
#tied 3 times	0	0	1	0
#tied 4 times	1	0	0	0
#tied 5 times	0	0	0	0
#tied 6 times	0	0	0	0
#tied 7 times	0	0	0	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	16	16	16	16
V(S) =	482.67	491.33	486.67	491.33
S =	12	58	40	-42
Z =	0.501	2.572	1.768	-1.850

n = Number of Samples

$V(S)$ = variance of S = $1/18\ [n(n-1)(2n+5) - \sum p=1 \rightarrow g\ \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

$Z = (S-1)/[V(S)]^{1/2}$ if S>0, Z=0 if S=0, $Z= (S+1)/[V(S)]^{1/2}$ if S<0

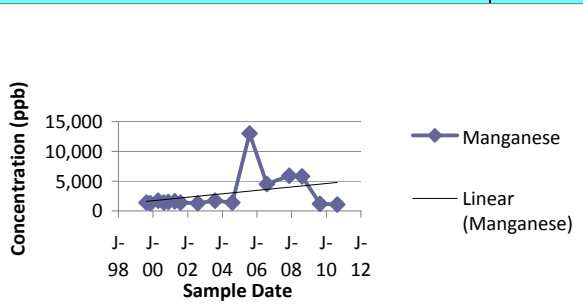
Z is comparred to table of critical values to determine confidence in trend

Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

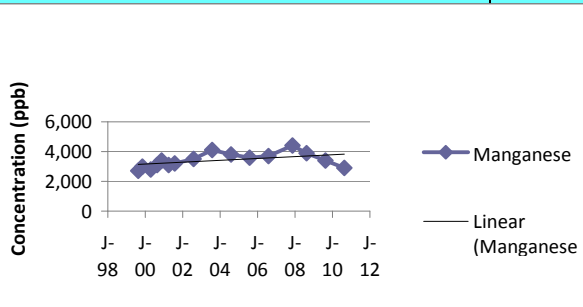
MW-4	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
1,400	1,300	1,700	1,400	1,500	1,600	1,400	1,300	1,700	1,400	13,000	4,500	5,900	5,800	1,200	1,100	Sum Rows
	-1	1	0	1	1	0	-1	1	0	1	1	1	1	-1	-1	4
		1	1	1	1	1	0	1	1	1	1	1	1	-1	-1	9
			-1	-1	-1	-1	-1	0	-1	1	1	1	1	-1	-1	-4
				1	1	0	-1	1	0	1	1	1	1	-1	-1	4
					1	-1	-1	1	-1	1	1	1	1	-1	-1	1
						-1	-1	1	-1	1	1	1	1	-1	-1	0
							-1	1	0	1	1	1	1	-1	-1	2
								1	1	1	1	1	1	-1	-1	4
									-1	1	1	1	1	-1	-1	1
										1	1	1	1	-1	-1	2
											-1	-1	-1	-1	-1	-5
												1	1	-1	-1	0
													-1	-1	-1	-3
														-1	-1	-2
															-1	-1
													Mann Kendall Statistic (S) =			12



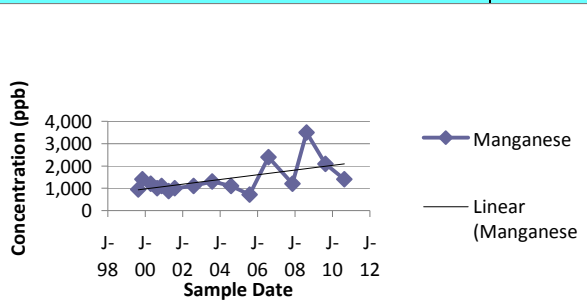
MW-5S	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
2,700	3,000	2,800	3,100	3,400	3,100	3,200	3,500	4,100	3,800	3,600	3,700	4,400	3,900	3,400	2,900	Sum Rows
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
		-1	1	1	1	1	1	1	1	1	1	1	1	1	-1	10
			1	1	1	1	1	1	1	1	1	1	1	1	1	13
				1	0	1	1	1	1	1	1	1	1	1	-1	9
					-1	-1	1	1	1	1	1	1	1	0	-1	4
						1	1	1	1	1	1	1	1	1	-1	8
							1	1	1	1	1	1	1	1	-1	7
								1	1	1	1	1	1	-1	-1	4
									-1	-1	-1	1	-1	-1	-1	-5
										-1	-1	1	1	-1	-1	-2
											1	1	1	-1	-1	1
												1	1	-1	-1	0
													-1	-1	-1	-3
														-1	-1	-2
															-1	-1
													Mann Kendall Statistic (S) =			58

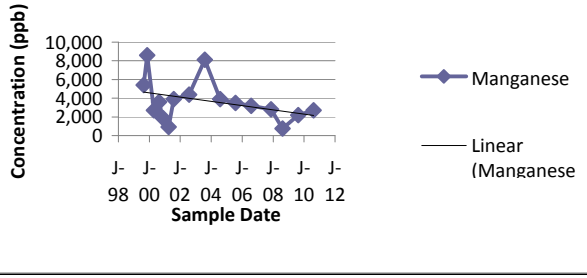


Mann Kendall Statistic Calculations

MW-9	Site = Coakley Landfill				NHDES#: 198712001			EPA ID #: NHD064424153					Compound = Manganese			
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
950	1,400	1,200	1,000	1,100	880	1,000	1,100	1,300	1,100	710	2,400	1,200	3,500	2,100	1,400	Sum Rows
	1	1	1	1	-1	1	1	1	1	-1	1	1	1	1	1	11
		-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	1	1	0	-7
			-1	-1	-1	-1	-1	1	-1	-1	1	0	1	1	1	-2
				1	-1	0	1	1	1	-1	1	1	1	1	1	7
					-1	-1	0	1	0	-1	1	1	1	1	1	3
						1	1	1	1	-1	1	1	1	1	1	8
							1	1	1	-1	1	1	1	1	1	7
								1	0	-1	1	1	1	1	1	5
									-1	-1	1	-1	1	1	1	1
										-1	1	1	1	1	1	4
											1	1	1	1	1	5
												-1	1	-1	-1	-2
													1	1	1	3
														-1	-1	-2
															-1	-1
													Mann Kendall Statistic (S) =			40



MW-10	Site = Coakley Landfill				NHDES#: 198712001			EPA ID #: NHD064424153					Compound = Manganese			
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
5,400	8,600	2,700	3,600	1,900	910	3,900	4,400	8,100	3,900	3,500	3,200	2,800	760	2,200	2,700	Sum Rows
	1	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-11
		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-14
			1	-1	-1	1	1	1	1	1	1	1	-1	-1	0	4
				-1	-1	1	1	1	1	-1	-1	-1	-1	-1	-1	-4
					-1	1	1	1	1	1	1	1	-1	1	1	7
						1	1	1	1	1	1	1	-1	1	1	8
							1	1	0	-1	-1	-1	-1	-1	-1	-4
								1	-1	-1	-1	-1	-1	-1	-1	-6
									-1	-1	-1	-1	-1	-1	-1	-7
										-1	-1	-1	-1	-1	-1	-6
											-1	-1	-1	-1	-1	-5
												-1	-1	-1	-1	-4
													-1	-1	-1	-3
														1	1	2
															1	1
													Mann Kendall Statistic (S) =			-42



MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Manganese
		EPA ID #	NHD064424153		

	Well ID =	OP-2	OP-5	AE-2A	AE-3A
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99	220	6,500	1,900	1,500
2	11/10/99	390	7,100	1,200	1,200
3	4/19/00	730	7,700	900	650
4	8/18/00	490	5,400	650	1,000
5	11/18/00	450	6,700	650	1,200
6	4/1/01	500	4,900	830	890
7	8/1/01	290	1,500	740	900
8	8/1/02	330	5,200	950	950
9	8/1/03	360	3,900	830	1,300
10	8/1/04	380	3,500	760	740
11	8/1/05	390	3,800	720	690
12	8/1/06	470	2,500	510	690
13	11/15/07	620	3,800	770	840
14	8/12/08	580	2,300	610	850
15	8/19/09	630	1,800	650	1,300
16	8/18/10	760	2,200	700	760

Mann Kendall Statistic (S) =	49.0	-81.0	-54.0	-29.0
Number of Rounds (n) =	16	16	16	16
Average =	474.38	4300.00	835.63	966.25
Standard Deviation =	155.090	1990.310	326.005	258.763
Coefficient of Variation(CV)=	0.327	0.463	0.390	0.268

Error Check, Blank if No Errors Detected

Trend	INCREASING	DECREASING	DECREASING	DECREASING
Confidence Level	97.5%	99.5%	99%	85%

Stability Test, If No Trend Exists at 70% Confidence Level	NA	NA	NA	NA

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Manganese
	EPA ID #	NHD064424153		
Well ID =	OP-2	OP-5	AE-2A	AE-3A
Number of tied groups	Count Ties	Count Ties	Count Ties	Count Ties
#tied 2 times	1	1	1	3
#tied 3 times	0	0	1	0
#tied 4 times	0	0	0	0
#tied 5 times	0	0	0	0
#tied 6 times	0	0	0	0
#tied 7 times	0	0	0	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	16	16	16	16
V(S) =	492.33	492.33	488.67	490.33
S =	49	-81	-54	-29
Z =	2.163	-3.605	-2.398	-1.264

n = Number of Samples

$V(S)$ = variance of $S = 1/18\ [n(n-1)(2n+5) - \sum p=1 \rightarrow g\ \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

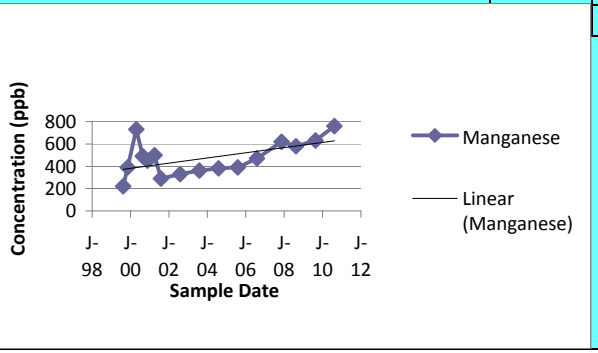
$Z = (S-1)/[V(S)]^{1/2}$ if $S>0$, $Z=0$ if $S=0$, $Z= (S+1)/[V(S)]^{1/2}$ if $S<0$

Z is comparred to table of critical values to determine confidence in trend

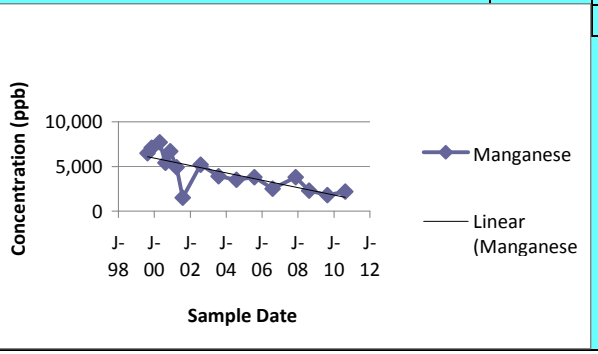
Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

OP-2	Site = Coakley Landfill				NHDES#: 198712001			EPA ID #: NHD064424153					Compound = Manganese			
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
220	390	730	490	450	500	290	330	360	380	390	470	620	580	630	760	Sum Rows
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
		1	1	1	1	-1	-1	-1	-1	0	1	1	1	1	1	5
			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-11
				-1	1	-1	-1	-1	-1	-1	-1	1	1	1	1	-2
					1	-1	-1	-1	-1	-1	1	1	1	1	1	1
						-1	-1	-1	-1	-1	-1	1	1	1	1	-2
							1	1	1	1	1	1	1	1	1	9
								1	1	1	1	1	1	1	1	8
									1	1	1	1	1	1	1	7
										1	1	1	1	1	1	6
											1	1	1	1	1	5
												1	1	1	1	4
													-1	1	1	1
														1	1	2
															1	1
													Mann Kendall Statistic (S) =			49



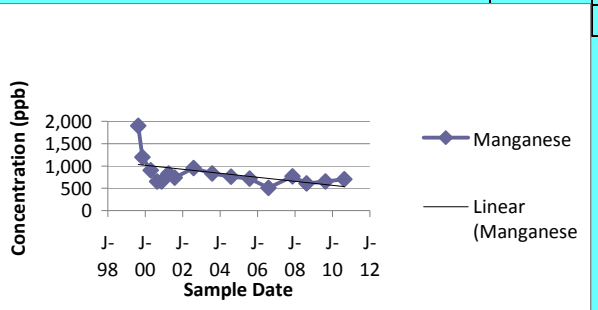
OP-5	Site = Coakley Landfill				NHDES#: 198712001			EPA ID #: NHD064424153					Compound = Manganese			
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
6,500	7,100	7,700	5,400	6,700	4,900	1,500	5,200	3,900	3,500	3,800	2,500	3,800	2,300	1,800	2,200	Sum Rows
	1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
		1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-12
			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-13
				1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10
					-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-11
						-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-8
							1	1	1	1	1	1	1	1	1	9
								-1	-1	-1	-1	-1	-1	-1	-1	-8
									-1	-1	-1	-1	-1	-1	-1	-7
										1	-1	1	-1	-1	-1	-2
											-1	0	-1	-1	-1	-4
												1	-1	-1	-1	-2
													-1	-1	-1	-3
														-1	-1	-2
															1	1
													Mann Kendall Statistic (S) =			-81



Mann Kendall Statistic Calculations

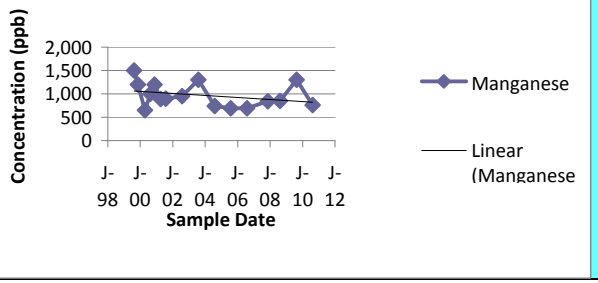
AE-2A	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
1,900	1,200	900	650	650	830	740	950	830	760	720	510	770	610	650	700	Sum Rows
	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-15
		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-14
			-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-11
				0	1	1	1	1	1	1	-1	1	-1	0	1	6
					1	1	1	1	1	1	-1	1	-1	0	1	6
						-1	1	0	-1	-1	-1	-1	-1	-1	-1	-7
							1	1	1	-1	-1	1	-1	-1	-1	-1
								-1	-1	-1	-1	-1	-1	-1	-1	-8
									-1	-1	-1	-1	-1	-1	-1	-7
										-1	-1	1	-1	-1	-1	-4
											-1	1	-1	-1	-1	-3
												1	1	1	1	4
													-1	-1	-1	-3
														1	1	2
															1	1
													Mann Kendall Statistic (S) =			-54



AE-3A	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
1,500	1,200	650	1,000	1,200	890	900	950	1,300	740	690	690	840	850	1,300	760	Sum Rows
	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-15
		-1	-1	0	-1	-1	-1	1	-1	-1	-1	-1	-1	1	-1	-9
			1	1	1	1	1	1	1	1	1	1	1	1	1	13
				1	-1	-1	-1	1	-1	-1	-1	-1	-1	1	-1	-6
					-1	-1	-1	1	-1	-1	-1	-1	-1	1	-1	-7
						1	1	1	-1	-1	-1	-1	-1	1	-1	-2
							1	1	-1	-1	-1	-1	-1	1	-1	-3
								1	-1	-1	-1	-1	-1	1	-1	-4
									-1	-1	-1	-1	-1	0	-1	-6
										-1	-1	1	1	1	1	2
											0	1	1	1	1	4
												1	1	1	1	4
													1	1	-1	1
														1	-1	0
															-1	-1
													Mann Kendall Statistic (S) =			-29



MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Manganese
		EPA ID #	NHD064424153		

	Well ID =	FPC-6A	FPC-9A		
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99		430		
2	11/10/99		410		
3	4/19/00		340		
4	8/18/00	140	320		
5	11/18/00	200			
6	4/1/01	150	350		
7	8/1/01		345		
8	8/1/02		340		
9	8/1/03	7,200	420		
10	8/1/04	530	40		
11	8/1/05	610	30		
12	8/1/06	410	270		
13	11/15/07	500	410		
14	8/12/08	360	520		
15	8/19/09	2,400	270		
16	8/18/10	3,600	220		

Mann Kendall Statistic (S) =	23.0	-28.0	0.0	0.0
Number of Rounds (n) =	11	15	0	0
Average =	1463.64	314.33	#DIV/0!	#DIV/0!
Standard Deviation =	2197.231	135.658	#DIV/0!	#DIV/0!
Coefficient of Variation(CV)=	1.501	0.432	#DIV/0!	#DIV/0!

Error Check, Blank if No Errors Detected			n<4	n<4
Trend	INCREASING	DECREASING	n<4	n<4
Confidence Level	95%	90%	n<4	n<4
Stability Test, If No Trend Exists at			n<4	n<4
70% Confidence Level	NA	NA	n<4	n<4

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Manganese
	EPA ID #	NHD064424153		
Well ID =	FPC-6A	FPC-9A	0	0
Number of tied groups	No Ties	Count Ties	No Ties	No Ties
#tied 2 times	0	3	0	0
#tied 3 times	0	0	0	0
#tied 4 times	0	0	0	0
#tied 5 times	0	0	0	0
#tied 6 times	0	0	0	0
#tied 7 times	0	0	0	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	11	15	0	0
V(S) =	165.00	405.33	0.00	0.00
S =	23	-28	0	0
Z =	1.713	-1.341	0.000	0.000

n = Number of Samples

$V(S)$ = variance of S = $1/18\ [n(n-1)(2n+5) - \sum p=1 \rightarrow g\ \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

$Z = (S-1)/[V(S)]^{1/2}$ if S>0, Z=0 if S=0, $Z= (S+1)/[V(S)]^{1/2}$ if S<0

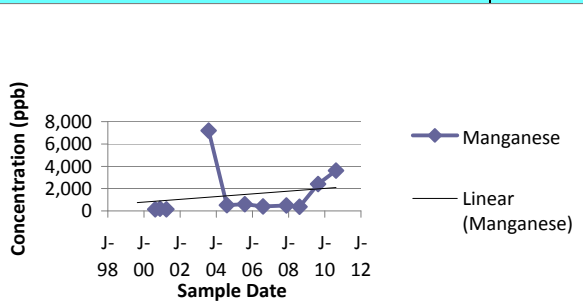
Z is comparred to table of critical values to determine confidence in trend

Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

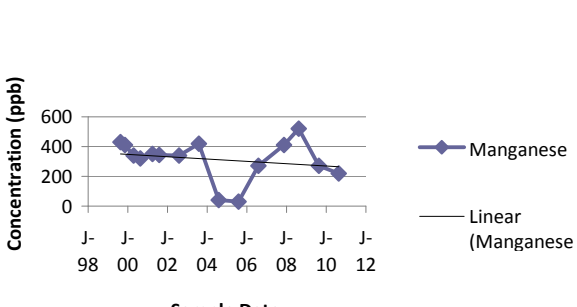
FPC-6A	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
			140	200	150			7,200	530	610	410	500	360	2,400	3,600	Sum Rows
																0
																0
																0
				1	1			1	1	1	1	1	1	1	1	10
					-1			1	1	1	1	1	1	1	1	7
								1	1	1	1	1	1	1	1	8
																0
																0
									-1	-1	-1	-1	-1	-1	-1	-7
										1	-1	-1	-1	1	1	0
											-1	-1	-1	1	1	-1
												1	-1	1	1	2
													-1	1	1	1
														1	1	2
															1	1
													Mann Kendall Statistic (S) =			23



FPC-9A	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
430	410	340	320		350	345	340	420	40	30	270	410	520	270	220	Sum Rows
	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	-12
		-1	-1		-1	-1	-1	1	-1	-1	-1	0	1	-1	-1	-8
			-1		1	1	0	1	-1	-1	-1	1	1	-1	-1	-1
					1	1	1	1	-1	-1	-1	1	1	-1	-1	1
																0
						-1	-1	1	-1	-1	-1	1	1	-1	-1	-4
							-1	1	-1	-1	-1	1	1	-1	-1	-3
								1	-1	-1	-1	1	1	-1	-1	-2
									-1	-1	-1	-1	1	-1	-1	-5
										-1	1	1	1	1	1	4
											1	1	1	1	1	5
												1	1	0	-1	1
													1	-1	-1	-1
														-1	-1	-2
															-1	-1
													Mann Kendall Statistic (S) =			-28



MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Manganese
		EPA ID #	NHD064424153		

	Well ID =	BP-4	MW-5D	MW-6	MW-8
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99	1,200	1,000	1,100	4,500
2	11/10/99	1,200	1,100	740	3,500
3	4/19/00	1,500	980	600	3,900
4	8/18/00	1,400	930	980	4,200
5	11/18/00	1,400	920	80	3,600
6	4/1/01	1,700	1,200	600	3,200
7	8/1/01	1,500	920	1,200	9,800
8	8/1/02	1,300	860	1,200	2,800
9	8/1/03	1,400	880	1,100	2,900
10	8/1/04	1,300	870	700	2,400
11	8/1/05	1,700	890	970	2,500
12	8/1/06	1,300	890	540	2,500
13	11/15/07	1,200	860	740	1,600
14	8/12/08	1,100	780	520	1,900
15	8/19/09	94	770	490	2,000
16	8/18/10	1,200	730	1,900	2,100

Mann Kendall Statistic (S) =	-36.0	-89.0	-14.0	-81.0
Number of Rounds (n) =	16	16	16	16
Average =	1280.88	911.25	841.25	3337.50
Standard Deviation =	361.348	118.596	416.475	1922.802
Coefficient of Variation(CV)=	0.282	0.130	0.495	0.576

Error Check, Blank if No Errors Detected				
Trend	DECREASING	DECREASING	DECREASING	DECREASING
Confidence Level	90%	99.5%	70%	99.5%
Stability Test, If No Trend Exists at 70% Confidence Level	NA	NA	NA	NA

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Manganese
	EPA ID #	NHD064424153		
Well ID =	BP-4	MW-5D	MW-6	MW-8
Number of tied groups	Count Ties	Count Ties	Count Ties	Count Ties
#tied 2 times	2	3	4	1
#tied 3 times	2	0	0	0
#tied 4 times	1	0	0	0
#tied 5 times	0	0	0	0
#tied 6 times	0	0	0	0
#tied 7 times	0	0	0	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	16	16	16	16
V(S) =	475.33	490.33	489.33	492.33
S =	-36	-89	-14	-81
Z =	-1.605	-3.974	-0.588	-3.605

n = Number of Samples

$V(S)$ = variance of $S = 1/18\ [n(n-1)(2n+5) - \sum p=1 \rightarrow g\ \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

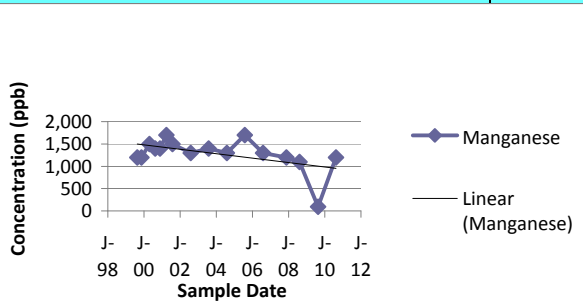
$Z = (S-1)/[V(S)]^{1/2}$ if $S>0$, $Z=0$ if $S=0$, $Z= (S+1)/[V(S)]^{1/2}$ if $S<0$

Z is comparred to table of critical values to determine confidence in trend

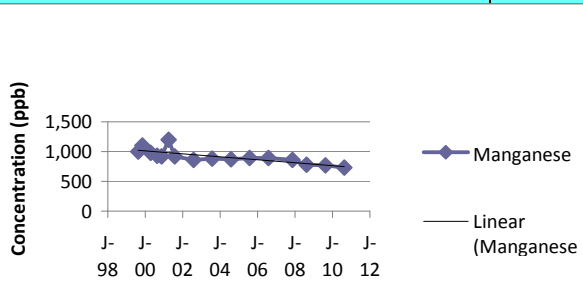
Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

BP-4	Site = Coakley Landfill					NHDES#: 198712001			EPA ID #: NHD064424153						Compound = Manganese
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
1,200	1,200	1,500	1,400	1,400	1,700	1,500	1,300	1,400	1,300	1,700	1,300	1,200	1,100	94	1,200	Sum Rows
	0	1	1	1	1	1	1	1	1	1	1	0	-1	-1	0	8
		1	1	1	1	1	1	1	1	1	1	0	-1	-1	0	8
			-1	-1	1	0	-1	-1	-1	1	-1	-1	-1	-1	-1	-8
				0	1	1	-1	0	-1	1	-1	-1	-1	-1	-1	-4
					1	1	-1	0	-1	1	-1	-1	-1	-1	-1	-4
						-1	-1	-1	-1	0	-1	-1	-1	-1	-1	-9
							-1	-1	-1	1	-1	-1	-1	-1	-1	-7
								1	0	1	0	-1	-1	-1	-1	-2
									-1	1	-1	-1	-1	-1	-1	-5
										1	0	-1	-1	-1	-1	-3
											-1	-1	-1	-1	-1	-5
												-1	-1	-1	-1	-4
													-1	-1	0	-2
														-1	1	0
															1	1
													Mann Kendall Statistic (S) =			-36



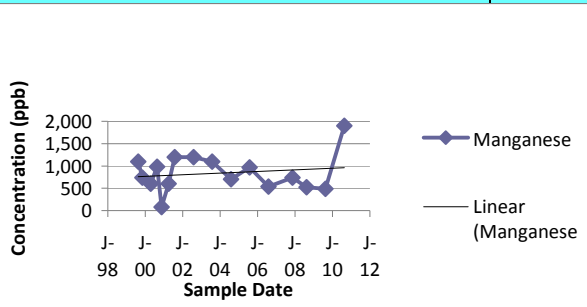
MW-5D	Site = Coakley Landfill					NHDES#: 198712001			EPA ID #: NHD064424153						Compound = Manganese
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
1,000	1,100	980	930	920	1,200	920	860	880	870	890	890	860	780	770	730	Sum Rows
	1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-11
		-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-12
			-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-11
				-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10
					1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-8
						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10
							-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
								1	1	1	1	0	-1	-1	-1	1
									-1	1	1	-1	-1	-1	-1	-3
										1	1	-1	-1	-1	-1	-2
											0	-1	-1	-1	-1	-4
												-1	-1	-1	-1	-4
													-1	-1	-1	-3
														-1	-1	-2
															-1	-1
													Mann Kendall Statistic (S) =			-89



Mann Kendall Statistic Calculations

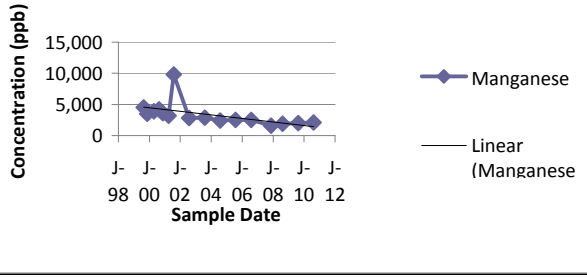
MW-6	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
1,100	740	600	980	80	600	1,200	1,200	1,100	700	970	540	740	520	490	1,900	Sum Rows
	-1	-1	-1	-1	-1	1	1	0	-1	-1	-1	-1	-1	-1	1	-8
		-1	1	-1	-1	1	1	1	-1	1	-1	0	-1	-1	1	-1
			1	-1	0	1	1	1	1	1	-1	1	-1	-1	1	4
				-1	-1	1	1	1	-1	-1	-1	-1	-1	-1	1	-4
					1	1	1	1	1	1	1	1	1	1	1	11
						1	1	1	1	1	-1	1	-1	-1	1	4
							0	-1	-1	-1	-1	-1	-1	-1	1	-6
								-1	-1	-1	-1	-1	-1	-1	1	-6
									-1	-1	-1	-1	-1	-1	1	-5
										1	-1	1	-1	-1	1	0
											-1	-1	-1	-1	1	-3
												1	-1	-1	1	0
													-1	-1	1	-1
														-1	1	0
															1	1
													Mann Kendall Statistic (S) =			-14



MW-8	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
4,500	3,500	3,900	4,200	3,600	3,200	9,800	2,800	2,900	2,400	2,500	2,500	1,600	1,900	2,000	2,100	Sum Rows
	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-13
		1	1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-6
			1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
				-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10
					-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
						1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-8
							-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
								1	-1	-1	-1	-1	-1	-1	-1	-6
									-1	-1	-1	-1	-1	-1	-1	-7
										1	1	-1	-1	-1	-1	-2
											0	-1	-1	-1	-1	-4
												-1	-1	-1	-1	-4
													1	1	1	3
														1	1	2
															1	1
													Mann Kendall Statistic (S) =			-81



MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Manganese
		EPA ID #	NHD064424153		

	Well ID =	MW-11	AE-2B	AE-3B	FPC-6B
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99	840	4,100	1,400	1,100
2	11/10/99	930	5,300	2,200	830
3	4/19/00	880	5,100	2,000	670
4	8/18/00	1,000	6,300	1,900	760
5	11/18/00	950	6,400	2,100	690
6	4/1/01	780	5,100	2,000	620
7	8/1/01	710	4,400	1,400	830
8	8/1/02	600	4,400	1,400	750
9	8/1/03	600	3,700	1,500	600
10	8/1/04	590	3,000	1,100	5,900
11	8/1/05	530	3,100	1,100	6,200
12	8/1/06	450	2,400	1,000	2,100
13	11/15/07	410	2,100	570	3,100
14	8/12/08	440	1,700	480	3,000
15	8/19/09	390	1,700	1,400	340
16	8/18/10	340	1,300	950	400

Mann Kendall Statistic (S) =	-101.0	-91.0	-76.0	-3.0
Number of Rounds (n) =	16	16	16	16
Average =	652.50	3756.25	1406.25	1743.13
Standard Deviation =	220.409	1642.749	528.342	1885.509
Coefficient of Variation(CV)=	0.338	0.437	0.376	1.082

Error Check, Blank if No Errors Detected

Trend	DECREASING	DECREASING	DECREASING	No Trend
Confidence Level	99.5%	99.5%	99.5%	No Trend

Stability Test, If No Trend Exists at 70% Confidence Level	NA	NA	NA	**CV > 1 NON-STABLE**

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Manganese
	EPA ID #	NHD064424153		
Well ID =	MW-11	AE-2B	AE-3B	FPC-6B
Number of tied groups	Count Ties	Count Ties	Count Ties	Count Ties
#tied 2 times	1	3	2	1
#tied 3 times	0	0	0	0
#tied 4 times	0	0	1	0
#tied 5 times	0	0	0	0
#tied 6 times	0	0	0	0
#tied 7 times	0	0	0	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	16	16	16	16
V(S) =	492.33	490.33	482.67	492.33
S =	-101	-91	-76	-3
Z =	-4.507	-4.064	-3.414	-0.090

n = Number of Samples

V(S) = variance of S = 1/18 $[n(n-1)(2n+5) - \sum p=1 \rightarrow g \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

$Z = (S-1)/[V(S)]^{1/2}$ if S>0, Z=0 if S=0, $Z= (S+1)/[V(S)]^{1/2}$ if S<0

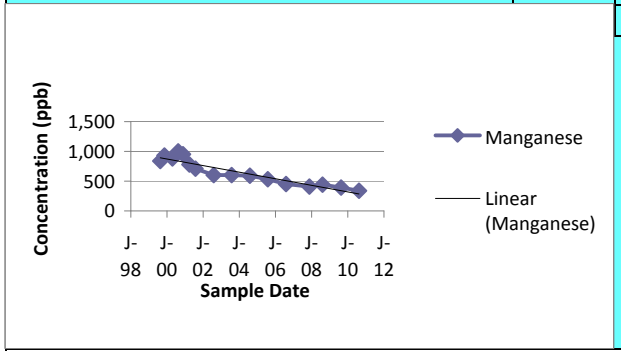
Z is comparred to table of critical values to determine confidence in trend

Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

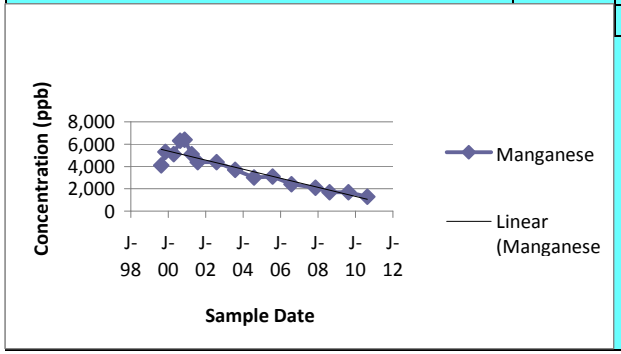
MW-11	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
840	930	880	1,000	950	780	710	600	600	590	530	450	410	440	390	340	Sum Rows
	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-7
		-1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10
			1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-12
					-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-11
						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10
							-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
								0	-1	-1	-1	-1	-1	-1	-1	-7
									-1	-1	-1	-1	-1	-1	-1	-7
										-1	-1	-1	-1	-1	-1	-6
											-1	-1	-1	-1	-1	-5
												-1	-1	-1	-1	-4
													1	-1	-1	-1
														-1	-1	-2
															-1	-1
													Mann Kendall Statistic (S) =			-101



AE-2B	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

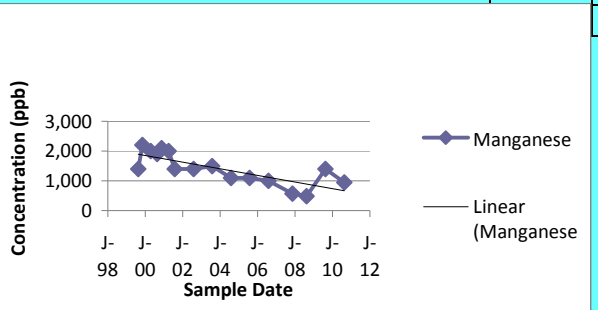
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
4,100	5,300	5,100	6,300	6,400	5,100	4,400	4,400	3,700	3,000	3,100	2,400	2,100	1,700	1,700	1,300	Sum Rows
	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1
		-1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10
			1	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-8
				1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10
					-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-11
						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10
							0	-1	-1	-1	-1	-1	-1	-1	-1	-8
								-1	-1	-1	-1	-1	-1	-1	-1	-8
									-1	-1	-1	-1	-1	-1	-1	-7
										1	-1	-1	-1	-1	-1	-4
											-1	-1	-1	-1	-1	-5
												-1	-1	-1	-1	-4
													-1	-1	-1	-3
														0	-1	-1
															-1	-1
													Mann Kendall Statistic (S) =			-91



Mann Kendall Statistic Calculations

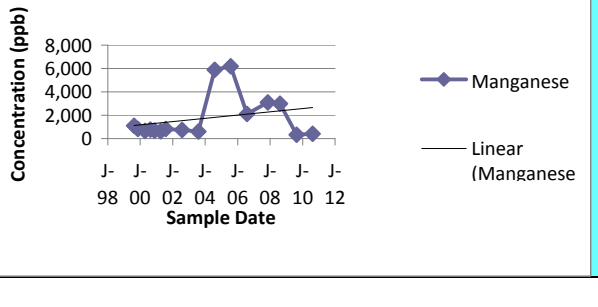
AE-3B	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
1,400	2,200	2,000	1,900	2,100	2,000	1,400	1,400	1,500	1,100	1,100	1,000	570	480	1,400	950	Sum Rows
	1	1	1	1	1	0	0	1	-1	-1	-1	-1	-1	0	-1	0
		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-14
			-1	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10
				1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-8
					-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-11
						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10
							0	1	-1	-1	-1	-1	-1	0	-1	-5
								1	-1	-1	-1	-1	-1	0	-1	-5
									-1	-1	-1	-1	-1	-1	-1	-7
										0	-1	-1	-1	1	-1	-3
											-1	-1	-1	1	-1	-3
												-1	-1	1	-1	-2
													-1	1	1	1
														1	1	2
															-1	-1
													Mann Kendall Statistic (S) =			-76



FPC-6B	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
1,100	830	670	760	690	620	830	750	600	5,900	6,200	2,100	3,100	3,000	340	400	Sum Rows
	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	1	1	-1	-1	-5
		-1	-1	-1	-1	0	-1	-1	1	1	1	1	1	-1	-1	-3
			1	1	-1	1	1	-1	1	1	1	1	1	-1	-1	5
				-1	-1	1	-1	-1	1	1	1	1	1	-1	-1	0
					-1	1	1	-1	1	1	1	1	1	-1	-1	3
						1	1	-1	1	1	1	1	1	-1	-1	4
							-1	-1	1	1	1	1	1	-1	-1	1
								-1	1	1	1	1	1	-1	-1	2
									1	1	1	1	1	-1	-1	3
										1	-1	-1	-1	-1	-1	-4
											-1	-1	-1	-1	-1	-5
												1	1	-1	-1	0
													-1	-1	-1	-3
														-1	-1	-2
															1	1
													Mann Kendall Statistic (S) =			-3



MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Manganese
		EPA ID #	NHD064424153		

	Well ID =	FPC-11B			
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99				
2	11/10/99				
3	4/19/00				
4	8/18/00				
5	11/18/00				
6	4/1/01				
7	8/1/01				
8	8/1/02				
9	8/1/03	3,000			
10	8/1/04	2,200			
11	8/1/05	2,500			
12	8/1/06	880			
13	11/15/07	1,300			
14	8/12/08	1,400			
15	8/19/09	710			
16	8/18/10	520			
	Mann Kendall Statistic (S) =	-20.0	0.0	0.0	0.0
	Number of Rounds (n) =	8	0	0	0
	Average =	1563.75	#DIV/0!	#DIV/0!	#DIV/0!
	Standard Deviation =	904.464	#DIV/0!	#DIV/0!	#DIV/0!
	Coefficient of Variation(CV)=	0.578	#DIV/0!	#DIV/0!	#DIV/0!
Error Check, Blank if No Errors Detected			n<4	n<4	n<4
Trend		DECREASING	n<4	n<4	n<4
Confidence Level		99%	n<4	n<4	n<4
Stability Test, If No Trend Exists at			n<4	n<4	n<4
70% Confidence Level		NA	n<4	n<4	n<4

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Manganese
	EPA ID #	NHD064424153		
Well ID =	FPC-11B	0	0	0
Number of tied groups	No Ties	No Ties	No Ties	No Ties
#tied 2 times	0	0	0	0
#tied 3 times	0	0	0	0
#tied 4 times	0	0	0	0
#tied 5 times	0	0	0	0
#tied 6 times	0	0	0	0
#tied 7 times	0	0	0	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	8	0	0	0
V(S) =	65.33	0.00	0.00	0.00
S =	-20	0	0	0
Z =	-2.351	0.000	0.000	0.000

n = Number of Samples

V(S) = variance of S = 1/18 $[n(n-1)(2n+5) - \sum p=1 \rightarrow g \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

$Z = (S-1)/[V(S)]^{1/2}$ if S>0, Z=0 if S=0, $Z= (S+1)/[V(S)]^{1/2}$ if S<0

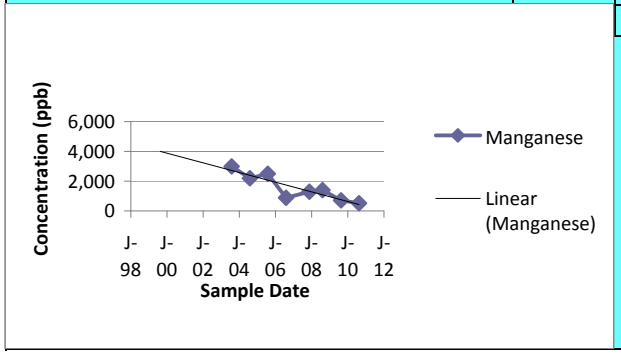
Z is comparred to table of critical values to determine confidence in trend

Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

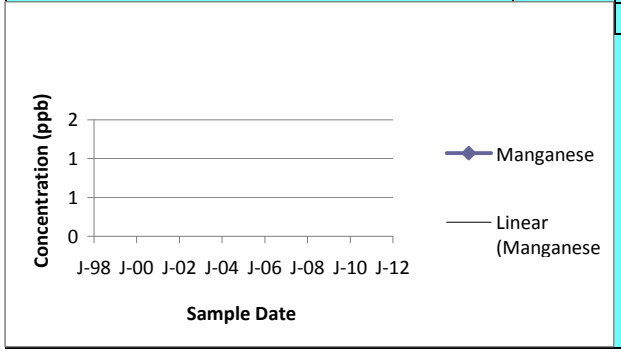
FPC-11B	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
								3,000	2,200	2,500	880	1,300	1,400	710	520	Sum Rows
																0
																0
																0
																0
																0
																0
																0
																0
									-1	-1	-1	-1	-1	-1	-1	-7
										1	-1	-1	-1	-1	-1	-4
											-1	-1	-1	-1	-1	-5
												1	1	-1	-1	0
													1	-1	-1	-1
														-1	-1	-2
															-1	-1
													Mann Kendall Statistic (S) =			-20



0	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Manganese

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
																Sum Rows
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
													Mann Kendall Statistic (S) =			0



MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Benzene
		EPA ID #	NHD064424153		

	Well ID =	MW-5S			
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99	6			
2	11/10/99	7			
3	4/19/00	8			
4	8/18/00	8			
5	11/18/00	8			
6	4/1/01	7			
7	8/1/01	6			
8	8/1/02	6			
9	8/1/03	2			
10	8/1/04				
11	8/1/05				
12	8/1/06	0.5			
13	11/15/07	5			
14	8/12/08	4			
15	8/19/09	3			
16	8/18/10	4			
	Mann Kendall Statistic (S) =	-49.0	0.0	0.0	0.0
	Number of Rounds (n) =	14	0	0	0
	Average =	5.32	#DIV/0!	#DIV/0!	#DIV/0!
	Standard Deviation =	2.350	#DIV/0!	#DIV/0!	#DIV/0!
	Coefficient of Variation(CV)=	0.442	#DIV/0!	#DIV/0!	#DIV/0!
Error Check, Blank if No Errors Detected			n<4	n<4	n<4
Trend		DECREASING	n<4	n<4	n<4
Confidence Level		99.5%	n<4	n<4	n<4
Stability Test, If No Trend Exists at			n<4	n<4	n<4
70% Confidence Level		NA	n<4	n<4	n<4

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Benzene
	EPA ID #	NHD064424153		
Well ID =	MW-5S	0	0	0
Number of tied groups	Count Ties	No Ties	No Ties	No Ties
#tied 2 times	2	0	0	0
#tied 3 times	2	0	0	0
#tied 4 times	0	0	0	0
#tied 5 times	0	0	0	0
#tied 6 times	0	0	0	0
#tied 7 times	0	0	0	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	14	0	0	0
V(S) =	324.33	0.00	0.00	0.00
S =	-49	0	0	0
Z =	-2.665	0.000	0.000	0.000

n = Number of Samples

V(S) = variance of S = $1/18\ [n(n-1)(2n+5) - \sum p=1 \rightarrow g\ \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

$Z = (S-1)/[V(S)]^{1/2}$ if S>0, Z=0 if S=0, $Z= (S+1)/[V(S)]^{1/2}$ if S<0

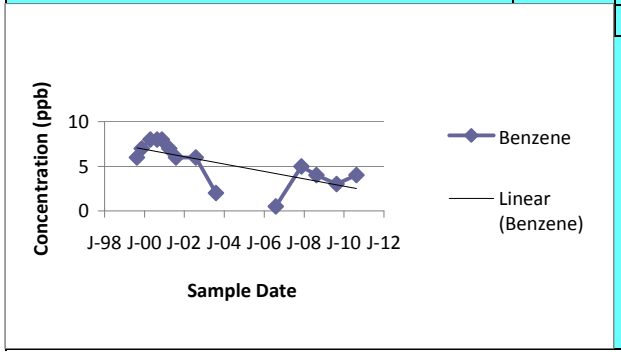
Z is comparred to table of critical values to determine confidence in trend

Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

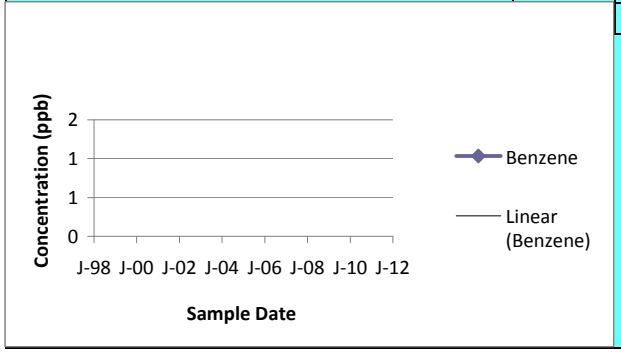
MW-5S	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Benzene

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
6	7	8	8	8	7	6	6	2			1	5	4	3	4	Sum Rows
	1	1	1	1	1	0	0	-1			-1	-1	-1	-1	-1	-1
		1	1	1	0	-1	-1	-1			-1	-1	-1	-1	-1	-5
			0	0	-1	-1	-1	-1			-1	-1	-1	-1	-1	-9
				0	-1	-1	-1	-1			-1	-1	-1	-1	-1	-9
					-1	-1	-1	-1			-1	-1	-1	-1	-1	-9
						-1	-1	-1			-1	-1	-1	-1	-1	-8
							0	-1			-1	-1	-1	-1	-1	-6
								-1			-1	-1	-1	-1	-1	-6
											-1	1	1	1	1	3
																0
																0
												1	1	1	1	4
													-1	-1	-1	-3
														-1	0	-1
															1	1
													Mann Kendall Statistic (S) =			-49



0	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Benzene

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
																Sum Rows
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
																0
													Mann Kendall Statistic (S) =			0



MANN-KENDALL DATA EVALUATION

Site Name:	Coakley Landfill	NHDES Site #	198712001	Compound =	Benzene
		EPA ID #	NHD064424153		

	Well ID =	MW-5D	MW-8	MW-11	GZ-105
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	8/18/99	3	4	13	11
2	11/10/99	5	9	17	11
3	4/19/00	5	4	22	
4	8/18/00	5	4	18	
5	11/18/00	6	8	19	10
6	4/1/01	1	5	22	10
7	8/1/01	3	5	26	10
8	8/1/02	2	3	22	11
9	8/1/03	0.5	4	14	9
10	8/1/04			7	7
11	8/1/05			8	7
12	8/1/06	2	5	5	6
13	11/15/07	3	3	8	6
14	8/12/08	2	4	5	6
15	8/19/09	2	4	4	6
16	8/18/10	2	6	3	7

Mann Kendall Statistic (S) =	-33.0	-10.0	-63.0	-62.0
Number of Rounds (n) =	14	14	16	14
Average =	2.96	4.86	13.31	8.36
Standard Deviation =	1.669	1.748	7.674	2.098
Coefficient of Variation(CV)=	0.563	0.360	0.576	0.251

Error Check, Blank if No Errors Detected

Trend	DECREASING	DECREASING	DECREASING	DECREASING
Confidence Level	95%	70%	99.5%	99.5%

Stability Test, If No Trend Exists at 70% Confidence Level	NA	NA	NA	NA

Entry By =	KMM	Date =	24-Mar-11

Data entered in yellow cells

MANN-KENDALL DATA EVALUATION

Coakley Landfill	NHDES Site #	198712001	Compound =	Benzene
	EPA ID #	NHD064424153		
Well ID =	MW-5D	MW-8	MW-11	GZ-105
Number of tied groups	Count Ties	Count Ties	Count Ties	Count Ties
#tied 2 times	0	1	2	0
#tied 3 times	2	1	1	3
#tied 4 times	0	0	0	1
#tied 5 times	1	0	0	0
#tied 6 times	0	1	0	0
#tied 7 times	0	1	0	0
#tied 8 times	0	0	0	0
#tied 9 times	0	0	0	0
#tied 10 times	0	0	0	0
Count Error?				
n =	14	14	16	14
V(S) =	309.67	289.67	487.67	314.00
S =	-33	-10	-63	-62
Z =	-1.818	-0.529	-2.808	-3.442

n = Number of Samples

V(S) = variance of S = 1/18 $[n(n-1)(2n+5) - \sum p=1 \rightarrow g \ w_p(w_p-1)(2w_p+5)]$

where g = number of tied groups and w_p represents the number of data points in the p^{th} group

S = Mann-Kendall Statistic, number of increases versus number of decreases in data comparrision

$Z = (S-1)/[V(S)]^{1/2}$ if S>0, Z=0 if S=0, $Z= (S+1)/[V(S)]^{1/2}$ if S<0

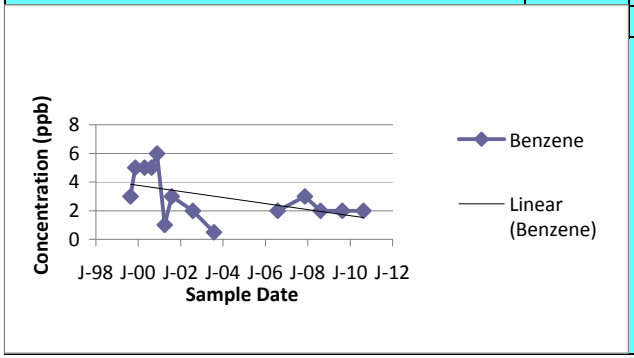
Z is comparred to table of critical values to determine confidence in trend

Trend confidences defined at 99.5%, 99%, 97.5%, 95%, 90%, 85%, 80%, 75%, 70%, and no trend

Mann Kendall Statistic Calculations

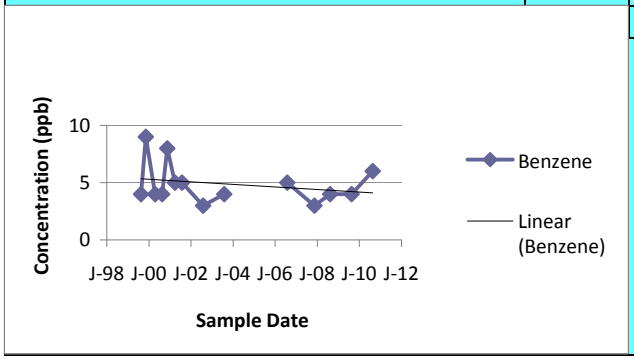
MW-5D	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Benzene

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
3	5	5	5	6	1	3	2	1			2	3	2	2	2	Sum Rows
	1	1	1	1	-1	0	-1	-1			-1	0	-1	-1	-1	-3
		0	0	1	-1	-1	-1	-1			-1	-1	-1	-1	-1	-8
			0	1	-1	-1	-1	-1			-1	-1	-1	-1	-1	-8
				1	-1	-1	-1	-1			-1	-1	-1	-1	-1	-8
					-1	-1	-1	-1			-1	-1	-1	-1	-1	-9
						1	1	-1			1	1	1	1	1	6
							-1	-1			-1	0	-1	-1	-1	-6
								-1			0	1	0	0	0	0
											1	1	1	1	1	5
																0
																0
												1	0	0	0	1
													-1	-1	-1	-3
														0	0	0
															0	0
													Mann Kendall Statistic (S) =			-33



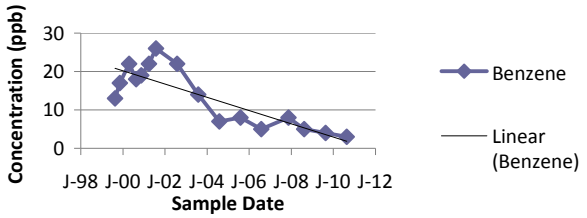
MW-8	Site = Coakley Landfill	NHDES#: 198712001	EPA ID #: NHD064424153	Compound = Benzene

Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
4	9	4	4	8	5	5	3	4			5	3	4	4	6	Sum Rows
	1	0	0	1	1	1	-1	0			1	-1	0	0	1	4
		-1	-1	-1	-1	-1	-1	-1			-1	-1	-1	-1	-1	-12
			0	1	1	1	-1	0			1	-1	0	0	1	3
				1	1	1	-1	0			1	-1	0	0	1	3
					-1	-1	-1	-1			-1	-1	-1	-1	-1	-9
						0	-1	-1			0	-1	-1	-1	1	-4
							-1	-1			0	-1	-1	-1	1	-4
								1			1	0	1	1	1	5
											1	-1	0	0	1	1
																0
																0
												-1	-1	-1	1	-2
													1	1	1	3
														0	1	1
															1	1
													Mann Kendall Statistic (S) =			-10

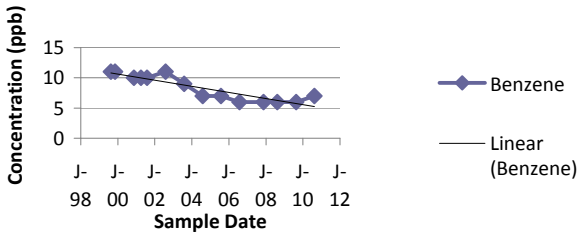


Mann Kendall Statistic Calculations

MW-11	Site = Coakley Landfill				NHDES#: 198712001		EPA ID #: NHD064424153						Compound = Benzene			
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
13	17	22	18	19	22	26	22	14	7	8	5	8	5	4	3	Sum Rows
	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	1
		1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-2
			-1	-1	0	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-9
				1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-4
					1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-5
						1	0	-1	-1	-1	-1	-1	-1	-1	-1	-7
							-1	-1	-1	-1	-1	-1	-1	-1	-1	-9
								-1	-1	-1	-1	-1	-1	-1	-1	-8
									-1	-1	-1	-1	-1	-1	-1	-7
										1	-1	1	-1	-1	-1	-2
											-1	0	-1	-1	-1	-4
												1	0	-1	-1	-1
													-1	-1	-1	-3
														-1	-1	-2
															-1	-1
													Mann Kendall Statistic (S) =			-63



GZ-105	Site = Coakley Landfill				NHDES#: 198712001		EPA ID #: NHD064424153						Compound = Benzene			
Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	
11	11			10	10	10	11	9	7	7	6	6	6	6	7	Sum Rows
	0			-1	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-11
				-1	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-11
																0
																0
					0	0	1	-1	-1	-1	-1	-1	-1	-1	-1	-7
						0	1	-1	-1	-1	-1	-1	-1	-1	-1	-7
							1	-1	-1	-1	-1	-1	-1	-1	-1	-7
								-1	-1	-1	-1	-1	-1	-1	-1	-8
									-1	-1	-1	-1	-1	-1	-1	-7
										0	-1	-1	-1	-1	0	-4
											-1	-1	-1	-1	0	-4
												0	0	0	1	1
													0	0	1	1
														0	1	1
															1	1
													Mann Kendall Statistic (S) =			-62



SECTION 6

SITE:	Coakley Landfill (P0081)	
CLIENT:	Provan & Lorber Contoocook, New Hampshire	
LABORATORY:	Eastern Analytical, Inc. (Concord, New Hampshire) Work Order: 91943	
EVENT:	Groundwater Sampling–August 2010 (Part 1 of 3)	
SAMPLES(1):	9 groundwater samples, 1 field duplicate, 2 trip blanks	
TESTS/METHODS(1):	Volatile Organics (VOCs)–72 target analytes	8260B
	1,4 Dioxane	8260B SIM
	EDB & DBCP	8011/504
	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 laboratory data package except as follows:

- 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) 3/23/11 (Date)

Attachments: A Complete SDG File (CSF) Inventory Sheets

TABLE 1
COAKLEY LANDFILL
GROUNDWATER SAMPLING - AUGUST 2010
(PART 1 OF 3)

SAMPLES COLLECTED

Lab ID	Sample ID	Matrix	Tests Performed						
			VOCs	1,4-Dioxane	EDB & DBCP	23 Total Metals	Dissolved Fe/Mn	Ammonia-N	COD
91943.01	GW-AE-1A-0810	Water				x	x		
91943.02	GW-AE-1B-0810	Water				x	x		
91943.03	GW-FPC-9A-0810	Water				x	x		
91943.04	GW-FPC-11A-0810	Water				x	x		
91943.05	GW-FPC-11B-0810	Water				x	x		
91943.06	GW-GZ-123-0810	Water	x			x	x		
91943.07	GW-MW-8-0810	Water	x	x	x	x			
91943.08	GW-FPC-2A-0810	Water	x			x	x		
91943.09	LC-L-0810	Water	x	x	x	x		x	x
91943.1	LC-L-1-DUP-0810	Water						x	x
91943.11	Trip Blank 8260	Water	x						
91943.12	Trip Blank 14DIOX	Water		x					

TABLE 2
COAKLEY LANDFILL
GROUNDWATER SAMPLING - AUGUST 2010
(PART 1 OF 3)

PE SAMPLE RESULTS

Test	Lab Limits	Analysis Date	PE Sample Type	QC Outcome
VOCs	70-130%	8/19/10	LCS/LCSD	Recoveries within limits for all target analytes except: Dichlorodifluoromethane 134% (LCS) and 132% (LCSD) IsoPropylbenzene 131% (LCSD) Detects for these analytes reported from sample reruns on 8/26/10 or 8/27/10
		8/26/10	LCS/LCSD	Recoveries within limits for applicable analyte (IsoPropylbenzene)
		8/27/10	LCS/LCSD	Recoveries within limits for applicable analyte (IsoPropylbenzene)
1,4-Dioxane	70-130%	8/23/10	LCS/LCSD	Recoveries within limits for the target analyte
EDB & DBCP	70-130%	8/19/10	LCS/LCSD	Recoveries within limits for all target analytes
Total and Dissolved Metals	85-115%	8/19/10	LCS	Recoveries within limits for all target analytes
Ammonia-N	90-110%	8/26/10	LCS/LCSD	Recoveries within limits for the target analyte
COD	85-115%	8/20/10	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.: 91943 (QAA No. PL01)
SDG NOs. TO FOLLOW: 92049 (PL02), 92079 (PL03), 94623 (PL04), 96745 (PL05)

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	21-22
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) 3/14/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 91943 (QAA No. PL01)
SDG NOs. TO FOLLOW: 92049 (PL02), 92079 (PL03), 94623 (PL04), 96745 (PL05)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: VOCs
Method: 8260B

	PAGE NUMBER(S)			
Date/Batch:	8/19/10	8/26/10	8/27/10	
Samples:	6-9,11	7 isoPB only	9 isoPB only	
1. QC Summary				
Deuterated Monitoring Compound (Form II)	77	96	116	
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample:)	NA	NA	NA	
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	4-5	6-7	8-9	
Method Blank (Form IV)	4-5	6-7	8-9	
GC/MS Instrument Performance Tune (Form V)	78	98	118	
Internal Standard Area and RT Form VIII)	77	96	116	
2. Sample Data				
TCL Results (Form I) (no. analytes: 72)	2-3	2-3	2-3	
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	139-142* 145-150* 153-154*	143-144*	151-152*	
3. Standards Data				
Initial Calibration Summary (Form VI) (7/23/10 ms4)	24-37	24-37	24-37	
Quantitation reports and RIC for all standards	38-74	38-74	38-74	
Continuing Calibration Summary (Form VII)	79-82	99-102	119-122	
Quantitation reports and RIC for all standards	83-87	103-107	123-127	
4. Raw QC Data				
Tune	78	98	118	
Method Blank	94-95	108-109	128-129	
Lab Control Sample/Lab Control Sample Dup	88-93	110-115	130-135	
Matrix Spike/Matrix Spike Dup	NA	NA	NA	
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	76	97	117	
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) – NC for TBA, 135TCB; %R > WL for DCDFM (134/132) and isoPB (129P/131) for 8/19/10 (samples with detects rerun)
Non-conformance report included on pg. 137
*Raw spectra not included, quantitation reports include Q values

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/14/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 91943 (QAA No. PL01)
SDG NOs. TO FOLLOW: 92049 (PL02), 92079 (PL03), 94623 (PL04), 96745 (PL05)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: 1,4-Dioxane
Method: 8260B SIM

	PAGE NUMBER(S)			
Date/Batch:	8/23/10			
Samples:	7(20x), 9,12			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	174			
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample:)	NA			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	11			
Method Blank (Form IV)	11			
GC/MS Instrument Performance Tune (Form V)	175			
Internal Standard Area and RT Form VIII)	174			
2. Sample Data				
TCL Results (Form I) (no. analytes: 1)	10			
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	185-196*			
3. Standards Data				
Initial Calibration Summary (Form VI) (5/25/10 ms2)	156-158			
Quantitation reports and RIC for all standards	159-170			
Continuing Calibration Summary (Form VII)	176			
Quantitation reports and RIC for all standards	177-178			
4. Raw QC Data				
Tune	175			
Method Blank	179-180			
Lab Control Sample/Lab Control Sample Dup	181-184			
Matrix Spike/Matrix Spike Dup	NA			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	172			
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
Non-conformance report included on pg. 173
Initial calibration section divider on pg. 155 indicates method 524.2 but actually 8260B SIM
*Raw spectra not included, quantitation reports include Q values

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/14/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 91943 (QAA No. PL01)
SDG NOs. TO FOLLOW: 92049 (PL02), 92079 (PL03), 94623 (PL04), 96745 (PL05)

GAS CHROMATOGRAPHY (GC)
Parameter: EDB/DBCP
Method: 8011/504 (dual column)

	PAGE NUMBER(S)			
Date/Batch:	8/19/10			
Samples:	7,9			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	*			
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample:)	NA			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	13			
Method Blank (Form IV)	13			
2. Sample Data				
TCL Results (Form I) (no. analytes: 2)	12			
Raw Data for each sample: Quantitation reports, chromatograms	232-237			
3. Standards Data				
Initial Calibration Summary (Form VI) (8/19/10 ECD)	212-217			
Quantitation reports and chromatograms for all standards	200-211			
Continuing Calibration Summary (Form VII)	229			
Quantitation reports and chromatograms for all standards	230-231			
4. Raw QC Data				
Method Blank	226-228			
Lab Control Sample/Lab Control Sample Dup	218-222			
Matrix Spike/Matrix Spike Dup	NA			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	198-199			
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
*Surrogate summary for dual columns included with raw data for each sample

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) (Name and Company) 3/14/11 (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 91943 (QAA No. PL01)
SDG NOs. TO FOLLOW: 92049 (PL02), 92079 (PL03), 94623 (PL04), 96745 (PL05)

INDUCTIVELY COUPLED PLASMA/ MASS SPECTROMETRY (ICP-MS)
Parameter: 23 Total, Fe/Mn Dissolved
Method: 200.8

	PAGE NUMBER(S)			
Date/Batch:	8/19/10			
Samples:	1-9*			
1. Cover Sheet	not reqd			
2. Sample Data Sheet (Form I)	16-18			
3. Initial/Continuing Calibration Verification (Form IIA)	246-249			
4. CRQL Standard (From IIB)	not reqd			
5. Blanks (Form III)	19, 243-245			
6. Interference Check Sample (Form IVB)	250			
7. Matrix Spike Sample (Form VA) (Parent Sample: 9)	20 with MSD			
8. Post-Digestion Spike Sample (Form VB)	not reqd			
9. Duplicates (Form VI)	20 as MSD			
10. Laboratory Control Sample (Form VII)	19			
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)	257-258			
17. IPC-MS Internal Stds Relative Intensity (Form XV)	251-252			
18. ICP-MS Raw Data	260-346			
19. Preparation Logs Raw Data	259			
20. Original prep/analysis forms or copies of logbook pgs	254-256			

21. Comments
LCS (lab limits) – P
*Dissolved metals not requested for samples 7,9

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/14/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 91943 (QAA No. PL01)
SDG NOs. TO FOLLOW: 92049 (PL02), 92079 (PL03), 94623 (PL04), 96745 (PL05)

WET CHEMISTRY

	PAGE NUMBER(S)			
Parameter/Method:	NH3-N 4500	COD H8000		
Date/Batch:	8/26/10	8/20/10		
Samples:	9,10	9,10		
1. Sample Data Sheet (Form I)	14	14		
2. Initial/Continuing Calibration Verification (Form II)	239	241		
3. Blanks (Form III)	15	15		
4. Matrix Spike Sample (Form V) (Parent Sample: 9/ ext)	15 w/MSD	15 w/MSD		
5. Duplicates (Form VI)	15	NA		
6. Laboratory Control Sample (Form VII)	15 w/LCSD	15 w/LCSD		
7. Raw Data	239	241		
8. Original prep/analysis forms or copies of logbook pgs	239	240		
9. Comments LCS/LCSD (lab limits) – P/P				

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) (Name and Company) 3/14/11 (Date)

SITE:	Coakley Landfill (P0081)	
CLIENT:	Provan & Lorber Contoocook, New Hampshire	
LABORATORY:	Eastern Analytical, Inc. (Concord, New Hampshire) Work Order: 92049	
EVENT:	Groundwater Sampling–August 2010 (Part 2 of 3)	
SAMPLES(1):	22 groundwater samples, 1 field duplicate, 1 tubing blank, 1 field blank, 2 trip blanks	
TESTS/METHODS(1):	Volatile Organics (VOCs)–72 target analytes	8260B
	Volatile Organics (VOCs)–72 target analytes	524.2
	1,4 Dioxane	8260B SIM
	EDB & DBCP	8011/504
	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 laboratory data package except as follows:

- 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:

- For sample GW-FPC-8B-0810, the laboratory reported a date sampled of 8/17/10, whereas the custody record shows 8/19/10.
- For sample DW-R-3-0810, the laboratory reported a date sampled of 8/19/10, whereas the custody record shows 8/17/10.

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) 3/23/11 (Date)

Attachments: A Complete SDG File (CSF) Inventory Sheets

TABLE 1
COAKLEY LANDFILL
GROUNDWATER SAMPLING - AUGUST 2010
(PART 2 OF 3)

SAMPLES COLLECTED

Lab ID	Sample ID	Matrix	Tests Performed					
			VOCs 8260B	VOCs 524.2	1,4-Dioxane	EDB & DBCP	23 Total Metals	Dissolved Fe/Mn
92049.01	GW-MW-4-0810	Water			x	x	x	x
92049.02	GW-MW-9-0810	Water			x	x	x	x
92049.03	GW-AE-2A-0810	Water	x		x	x	x	x
92049.04	GW-AE-2B-0810	Water	x		x	x	x	x
92049.05	GW-FPC-2B-0810	Water	x				x	x
92049.06	GW-MW-10-0810	Water					x	
92049.07	GW-MW-11-0810	Water	x		x	x	x	
92049.08	GW-OP-2-0810	Water			x	x	x	x
92049.09	GW-OP-5-0810	Water			x	x	x	x
92049.1	GW-AE-4A-0810	Water	x				x	x
92049.11	GW-AE-4B-0810	Water	x				x	x
92049.12	GW-FPC-4B-0810	Water	x				x	x
92049.13	GW-FPC-5A-0810	Water					x	
92049.14	GW-FPC-5B-0810	Water					x	
92049.15	GW-FPC-8A-0810	Water	x		x	x	x	
92049.16	GW-GZ-105-0810	Water	x				x	x
92049.17	GW-MW-5S-0810	Water	x		x	x	x	x
92049.18	GW-MW-5S-DUP-0810	Water	x		x	x	x	x
92049.19	GW-FPC-6A-0810	Water	x				x	x
92049.2	GW-FPC-6B-0810	Water	x				x	x
92049.21	GW-FPC-8B-0810	Water	x		x	x	x	x
92049.22	DW-R-3-0810	Water		x				
92049.23	DW-R-5-0810	Water		x				
92049.24	Tubing	Water	x		x	x	x	x
92049.25	GW-MW-5S-FB-0810	Water	x		x	x	x	x
92049.26	Trip Blank 524	Water		x				
92049.27	Trip Blank 14 Diox	Water			x			

TABLE 2
COAKLEY LANDFILL
GROUNDWATER SAMPLING - AUGUST 2010
(PART 2 OF 3)

PE SAMPLE RESULTS

Test	Lab Limits	Analysis Date	PE Sample Type	QC Outcome
VOCs 8260B	70-130%	8/25/10	LCS/LCSD	Recoveries within limits for all target analytes
		8/27/10	LCS/LCSD	Recoveries within limits for all target analytes
VOCs 524.2	70-130%	8/25/10	LCS/LCSD	Recoveries within limits for all target analytes except: Dichlorodifluoromethane 142% (LCS) and 145% (LCSD) Bromomethane 54% (LCS) and 68% (LCSD) tert-Butyl alcohol (TBA) 66% (LCSD) Ethyl-t-butyl ether (ETBE) 68% (LCS) and 69% (LCSD) tert-Amy methyl ether (TAME) 65% (LCS) and 66% (LCSD) 2,2-Dichloropropane 56% (LCS) and 57% (LCSD)
1,4-Dioxane	70-130%	8/24/10	LCS/LCSD	Recoveries within limits for the target analyte
		8/25/10	LCS/LCSD	Recoveries within limits for the target analyte
		8/27/10	LCS/LCSD	Recoveries within limits for the target analyte
EDB & DBCP	70-130%	8/20/10	LCS/LCSD	Recoveries within limits for all target analytes
23 Total Metals	85-115%	8/24/10 (Batch A)	LCS	Recoveries within limits for all target analytes
		8/24/10 (Batch B)	LCS	Recoveries within limits for all target analytes
Dissolved Fe/Mn	85-115%	8/24/10	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.: 92049 (QAA No. PL02)
SDG NOs. TO FOLLOW: 92079 (PL03), 94623 (PL04), 96745 (PL05)

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	1-2**
4. Shipping/Receiving Documents	
Airbills (No. of shipments:)	hand delivered
Chain-of-custody records	42-44
Sample tags	NA
Sample log-in sheet (Lab, DC-1)	1-2
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 ** Sample dates switched for GW-FPC-8B-0810 (8/19/10 per COC) and DW-R-3-0810 (8/17/10 per COC)	

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/14/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 92049 (QAA No. PL02)
SDG NOs. TO FOLLOW: 92079 (PL03), 94623 (PL04), 96745 (PL05)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: VOCs
Method: 8260B

	PAGE NUMBER(S)			
Date/Batch:	8/23/10	8/25/10	8/27/10	
Samples:	7 mpX,IPB only	3-5,7, 10-12, 15,21, 24,25	16-20	
1. QC Summary				
Deuterated Monitoring Compound (Form II)	98	118	138	
Matrix Spike/Matrix Spike Dup(Form III)(Parent Sample: 17)	NA	NA	13-14	
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	NA	9-10	11-12	
Method Blank (Form IV)	NA	9-10	11-12	
GC/MS Instrument Performance Tune (Form V)	99	119	139	
Internal Standard Area and RT Form VIII)	98	118	138	
2. Sample Data				
TCL Results (Form I) (no. analytes: 72)	3-4	3-8	5-6	
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	174-175*	160-173* 176-203*	206-211* 218-231*	
3. Standards Data				
Initial Calibration Summary (Form VI) (7/23/10 ms4)	45-58	45-58	45-58	
Quantitation reports and RIC for all standards	59-95	59-95	59-95	
Continuing Calibration Summary (Form VII)	100-103	120-123	140-143	
Quantitation reports and RIC for all standards	104-108	124-128	144-148	
4. Raw QC Data				
Tune	99	119	139	
Method Blank	109-110	129-130	149-150	
Lab Control Sample/Lab Control Sample Dup	111-116	131-136	151-156	
Matrix Spike/Matrix Spike Dup	NA	NA	212-217	
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	97	117	137	
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) – NC for TBA, 135TCB; P/P
Non-conformance report included on pg. 158,204
*Raw spectra not included, quantitation reports include Q values

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/14/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 92049 (QAA No. PL02)
SDG NOs. TO FOLLOW: 92079 (PL03), 94623 (PL04), 96745 (PL05)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: VOCs (DW)
Method: 524.2

	PAGE NUMBER(S)			
Date/Batch:	8/25/10			
Samples:	22,23,26			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	273			
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample:)	NA			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	17-18			
Method Blank (Form IV)	17-18			
GC/MS Instrument Performance Tune (Form V)	274			
Internal Standard Area and RT Form VIII)	273			
2. Sample Data				
TCL Results (Form I) (no. analytes: 72)	15-16			
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	288-293*			
3. Standards Data				
Initial Calibration Summary (Form VI) (7/12/10 ms5)	233-239			
Quantitation reports and RIC for all standards	240-269			
Continuing Calibration Summary (Form VII)	275-276			
Quantitation reports and RIC for all standards	277-279			
4. Raw QC Data				
Tune	274			
Method Blank	280-281			
Lab Control Sample/Lab Control Sample Dup	282-287			
Matrix Spike/Matrix Spike Dup	NA			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	271			
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)– DCDFM 142/145, BrMeth 54/68, TBA 70P/66, ETBE 68/69, TAME 65/66, 22DCP 56/57
Non-conformance report included on pg. 272
*Raw spectra not included, quantitation reports include Q values

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/14/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 92049 (QAA No. PL02)
SDG NOs. TO FOLLOW: 92079 (PL03), 94623 (PL04), 96745 (PL05)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: 1,4-Dioxane
Method: 8260B SIM

	PAGE NUMBER(S)			
Date/Batch:	8/24/10	8/25/10	8/27/10	
Samples:	1-3,7, 9,15	24,25,27	4,8,17, 18,21	
1. QC Summary				
Deuterated Monitoring Compound (Form II)	313	338	357	
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample:17)	NA	NA	24	
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	21	22	23	
Method Blank (Form IV)	21	22	23	
GC/MS Instrument Performance Tune (Form V)	314	339	358	
Internal Standard Area and RT Form VIII)	313	338	357	
2. Sample Data				
TCL Results (Form I) (no. analytes: 1)	19-20	20	19-20	
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	324-335*	349-354*	368-379* 388-395*	
3. Standards Data				
Initial Calibration Summary (Form VI) (5/25/10 ms2)	295-297	295-297	295-297	
Quantitation reports and RIC for all standards	298-309	298-309	298-309	
Continuing Calibration Summary (Form VII)	315	340	359	
Quantitation reports and RIC for all standards	316-317	341-342	360-361	
4. Raw QC Data				
Tune	314	339	358	
Method Blank	318-319	343-344	362-363	
Lab Control Sample/Lab Control Sample Dup	320-323	345-348	364-367	
Matrix Spike/Matrix Spike Dup	NA	NA	NA	
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	312	337	356	
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
Non-conformance report included on pg. 311,336,355
*Raw spectra not included, quantitation reports include Q values

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/14/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 92049 (QAA No. PL02)
SDG NOs. TO FOLLOW: 92079 (PL03), 94623 (PL04), 96745 (PL05)

GAS CHROMATOGRAPHY (GC)
Parameter: EDB/DBCP
Method: 8011/504 (dual column)

	PAGE NUMBER(S)			
Date/Batch:	8/20/10			
Samples:	1-4,7,8, 9,15,17, 18,21, 24,25			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	*			
Matrix Spike/Matrix Spike Dup(Form III)(Parent Sample: 17)	29			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	28			
Method Blank (Form IV)	28			
2. Sample Data				
TCL Results (Form I) (no. analytes: 2)	25-27			
Raw Data for each sample: Quantitation reports, chromatograms	455-493			
3. Standards Data				
Initial Calibration Summary (Form VI) (8/19/10 ECD)	411-416			
Quantitation reports and chromatograms for all standards	397-410			
Continuing Calibration Summary (Form VII)	426,429, 438,441, 449,452			
Quantitation reports and chromatograms for all standards	426-454			
4. Raw QC Data				
Method Blank	435-437			
Lab Control Sample/Lab Control Sample Dup	425-431			
Matrix Spike/Matrix Spike Dup	444-448			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	423-424			
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
*Surrogate summary for dual columns included with raw data for each sample

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/14/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 92049 (QAA No. PL02)
SDG NOs. TO FOLLOW: 92079 (PL03), 94623 (PL04), 96745 (PL05)

INDUCTIVELY COUPLED PLASMA/ MASS SPECTROMETRY (ICP-MS)
Parameter: 23 Total, Fe/Mn Dissolved
Method: 200.8

	PAGE NUMBER(S)			
Date/Batch:	8/24/10A 8/24/10B			
Samples:	1-21, 24,25*			
1. Cover Sheet	not reqd			
2. Sample Data Sheet (Form I)	30-36			
3. Initial/Continuing Calibration Verification (Form IIA)	506-513			
4. CRQL Standard (From IIB)	not reqd			
5. Blanks (Form III)	37A,39B, 500-505			
6. Interference Check Sample (Form IVB)	518			
7. Matrix Spike Sample (Form VA) (Parent Sample: 9)	38T,40D with MSD			
8. Post-Digestion Spike Sample (Form VB)	not reqd			
9. Duplicates (Form VI)	38T,40D as MSD			
10. Laboratory Control Sample (Form VII)	37A,39B			
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)	498-499			
17. IPC-MS Internal Stds Relative Intensity (Form XV)	514-517			
18. ICP-MS Raw Data	521-718			
19. Preparation Logs Raw Data	497			
20. Original prep/analysis forms or copies of logbook pgs	495-496			

21. Comments
LCS (lab limits) – P
*Dissolved metals not requested for samples 6,7,13,14,15

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) (Name and Company) 3/14/11 (Date)

SITE:	Coakley Landfill (P0081)	
CLIENT:	Provan & Lorber Contoocook, New Hampshire	
LABORATORY:	Eastern Analytical, Inc. (Concord, New Hampshire) Work Order: 92079	
EVENT:	Groundwater Sampling–August 2010 (Part 3 of 3)	
SAMPLES(1):	5 groundwater samples, 1 field duplicate, 1 field blank, 2 trip blanks	
TESTS/METHODS(1):	Volatile Organics (VOCs)–72 target analytes	8260B
	1,4 Dioxane	8260B SIM
	EDB & DBCP	8011/504
	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 laboratory data package except as follows:

- 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) 3/23/11 (Date)

Attachments: A Complete SDG File (CSF) Inventory Sheets

TABLE 1
COAKLEY LANDFILL
GROUNDWATER SAMPLING - AUGUST 2010
(PART 3 OF 3)

SAMPLES COLLECTED

Lab ID	Sample ID	Matrix	Tests Performed				
			VOCs	1,4-Dioxane	EDB & DBCP	23 Total Metals	Dissolved Fe/Mn
92079.01	GW-MW-5D-0810	Water	x	x	x	x	
92079.02	GW-AE-3A-0810	Water	x	x	x	x	x
92079.03	GW-AE-3B-0810	Water	x	x	x	x	x
92079.04	GW-AE-3B-DUP-0810	Water	x			x	x
92079.05	GW-FPC-7A-0810	Water				x	x
92079.06	GW-FPC-7B-0810	Water				x	x
92079.07	GW-AE-3B-FB-0810	Water	x			x	x
92079.08	Trip Blank 8260	Water	x				
92079.09	Trip Blank 14 Diox	Water		x			

TABLE 2
COAKLEY LANDFILL
GROUNDWATER SAMPLING - AUGUST 2010
(PART 3 OF 3)

PE SAMPLE RESULTS

Test	Lab Limits	Analysis Date	PE Sample Type	QC Outcome
VOCs	70-130%	8/26/10	LCS/LCSD	Recoveries within limits for all target analytes except: Acetone 68% (LCSD)
1,4-Dioxane	70-130%	8/25/10	LCS/LCSD	Recoveries within limits for the target analyte
		8/30/10	LCS/LCSD	Recoveries within limits for the target analyte
EDB & DBCP	70-130%	8/23/10	LCS/LCSD	Recoveries within limits for all target analytes
23 Total Metals	85-115%	8/24/10	LCS	Recoveries within limits for all target analytes
Dissolved Fe/Mn	85-115%	8/24/10	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.: 92079 (QAA No. PL03)
SDG NOs. TO FOLLOW: 94623 (PL04), 96745 (PL05)

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	20
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) 3/21/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 92079 (QAA No. PL03)
SDG NOs. TO FOLLOW: 94623 (PL04), 96745 (PL05)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: VOCs
Method: 8260B

	PAGE NUMBER(S)			
Date/Batch:	8/26/10			
Samples:	1-4,7,8			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	74			
Matrix Spike/Matrix Spike Dup(Form III)(Parent Sample: 17)	6-7			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	4-5			
Method Blank (Form IV)	4-5			
GC/MS Instrument Performance Tune (Form V)	75			
Internal Standard Area and RT Form VIII)	74			
2. Sample Data				
TCL Results (Form I) (no. analytes: 72)	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	96-119*			
3. Standards Data				
Initial Calibration Summary (Form VI) (7/23/10 ms4)	21-34			
Quantitation reports and RIC for all standards	35-71			
Continuing Calibration Summary (Form VII)	76-79			
Quantitation reports and RIC for all standards	80-84			
4. Raw QC Data				
Tune	75			
Method Blank	85-86			
Lab Control Sample/Lab Control Sample Dup	87-92			
Matrix Spike/Matrix Spike Dup	120-131			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	73			
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) – NC for TBA, 135TCB; Acetone 73P/68
Non-conformance report included on pg. 94
*Raw spectra not included, quantitation reports include Q values

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) (Name and Company) 3/21/11 (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 92079 (QAA No. PL03)
SDG NOs. TO FOLLOW: 94623 (PL04), 96745 (PL05)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: 1,4-Dioxane
Method: 8260B SIM

	PAGE NUMBER(S)			
Date/Batch:	8/25/10	8/30/10		
Samples:	9	1(20x), 2,3		
1. QC Summary				
Deuterated Monitoring Compound (Form II)	176	151		
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample:17)	NA	NA		
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	10	9		
Method Blank (Form IV)	10	9		
GC/MS Instrument Performance Tune (Form V)	177	152		
Internal Standard Area and RT Form VIII)	176	151		
2. Sample Data				
TCL Results (Form I) (no. analytes: 1)	8	8		
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	187-188*	162-173*		
3. Standards Data				
Initial Calibration Summary (Form VI) (5/25/10 ms2)	133-135	133-135		
Quantitation reports and RIC for all standards	136-147	136-147		
Continuing Calibration Summary (Form VII)	178	153		
Quantitation reports and RIC for all standards	179-180	154-155		
4. Raw QC Data				
Tune	177	152		
Method Blank	181-182	156-157		
Lab Control Sample/Lab Control Sample Dup	183-186	158-161		
Matrix Spike/Matrix Spike Dup	NA	NA		
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	175	150		
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)– P/P
Non-conformance report included on pg. 149,174
*Raw spectra not included, quantitation reports include Q values

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/21/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 92079 (QAA No. PL03)
SDG NOs. TO FOLLOW: 94623 (PL04), 96745 (PL05)

GAS CHROMATOGRAPHY (GC)
Parameter: EDB/DBCP
Method: 8011/504 (dual column)

	PAGE NUMBER(S)			
Date/Batch:	8/23/10			
Samples:	1-3			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	*			
Matrix Spike/Matrix Spike Dup(Form III)(Parent Sample:)	NA			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	12			
Method Blank (Form IV)	12			
2. Sample Data				
TCL Results (Form I) (no. analytes: 2)	11			
Raw Data for each sample: Quantitation reports, chromatograms	224-232			
3. Standards Data				
Initial Calibration Summary (Form VI) (8/23/10 ECD)	204-209			
Quantitation reports and chromatograms for all standards	192-203			
Continuing Calibration Summary (Form VII)	221			
Quantitation reports and chromatograms for all standards	222-223			
4. Raw QC Data				
Method Blank	218-220			
Lab Control Sample/Lab Control Sample Dup	210-214			
Matrix Spike/Matrix Spike Dup	NA			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	190-191			
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
*Surrogate summary for dual columns included with raw data for each sample

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/21/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 92079 (QAA No. PL03)
SDG NOs. TO FOLLOW: 94623 (PL04), 96745 (PL05)

INDUCTIVELY COUPLED PLASMA/ MASS SPECTROMETRY (ICP-MS)
Parameter: 23 Total, Fe/Mn Dissolved
Method: 200.8

	PAGE NUMBER(S)			
Date/Batch:	8/24/10			
Samples:	1-7*			
1. Cover Sheet	not reqd			
2. Sample Data Sheet (Form I)	13-15			
3. Initial/Continuing Calibration Verification (Form IIA)	245-252			
4. CRQL Standard (From IIB)	not reqd			
5. Blanks (Form III)	16, 239-244			
6. Interference Check Sample (Form IVB)	257			
7. Matrix Spike Sample (Form VA) (Parent Sample: 9)	17T,18D with MSD			
8. Post-Digestion Spike Sample (Form VB)	not reqd			
9. Duplicates (Form VI)	17T,18D as MSD			
10. Laboratory Control Sample (Form VII)	16			
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)	237-238			
17. IPC-MS Internal Stds Relative Intensity (Form XV)	253-256			
18. ICP-MS Raw Data	260-349			
19. Preparation Logs Raw Data	236			
20. Original prep/analysis forms or copies of logbook pgs	234-235			

21. Comments
LCS (lab limits) – P
*Dissolved metals not requested for sample 1

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/21/11
(Name and Company) (Date)

SITE:	Coakley Landfill (P0081)
CLIENT:	Provan & Lorber Contoocook, New Hampshire
LABORATORY:	Eastern Analytical, Inc. (Concord, New Hampshire) Work Order: 94623
EVENT:	Groundwater Sampling–November 2010
SAMPLES(1):	34 groundwater samples, 2 field duplicates, 2 field blanks, 1 equipment blank
TESTS/METHODS(1):	Total Metals–As 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 are included in the laboratory data package.

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). 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) 3/23/11 (Date)

Attachments: A Complete SDG File (CSF) Inventory Sheets

TABLE 1

COAKLEY LANDFILL

GROUNDWATER SAMPLING - NOVEMBER 2010

SAMPLES COLLECTED

Lab ID	Sample ID	Matrix	Total As/Mn
94623.01	GW-GZ-125-62-1110	Water	x
94623.02	GW-GZ-125-72-1110	Water	x
94623.03	GW-GZ-125-82-1110	Water	x
94623.04	GW-GZ-125-92-1110	Water	x
94623.05	GW-GZ-125-102-1110	Water	x
94623.06	GW-GZ-125-112-1110	Water	x
94623.07	GW-GZ-125-122-1110	Water	x
94623.08	GW-GZ-125-132-1110	Water	x
94623.09	GW-GZ-125-142-1110	Water	x
94623.1	GW-GZ-125-152-1110	Water	x
94623.11	GW-GZ-125-162-1110	Water	x
94623.12	GW-GZ-125-172-1110	Water	x
94623.13	GW-GZ-125-182-1110	Water	x
94623.14	GW-BP-4-39-1110	Water	x
94623.15	GW-BP-4-49-1110	Water	x
94623.16	GW-BP-4-49-DUP-1110	Water	x
94623.17	GW-BP-4-59-1110	Water	x
94623.18	GW-BP-4-69-1110	Water	x
94623.19	GW-BP-4-79-1110	Water	x
94623.2	GW-BP-4-89-1110	Water	x
94623.21	GW-BP-4-97-1110	Water	x
94623.22	GW-MW-6-30-1110	Water	x
94623.23	GW-MW-6-40-1110	Water	x
94623.24	GW-MW-6-50-1110	Water	x
94623.25	GW-MW-6-60-1110	Water	x
94623.26	GW-MW-6-60-DUP-1110	Water	x
94623.27	GW-MW-6-70-1110	Water	x
94623.28	GW-MW-6-80-1110	Water	x
94623.29	GW-MW-6-90-1110	Water	x
94623.3	GW-MW-6-100-1110	Water	x
94623.31	GW-MW-6-110-1110	Water	x
94623.32	GW-MW-6-120-1110	Water	x
94623.33	GW-MW-6-130-1110	Water	x
94623.34	GW-MW-6-140-1110	Water	x
94623.35	GW-MW-6-150-1110	Water	x
94623.36	GW-MW-6-160-1110	Water	x
94623.37	GW-BP-4-97-FB-1110	Water	x
94623.38	GW-MW-6-90-FB-1110	Water	x
94623.39	Equipment Blank	Water	

TABLE 2
COAKLEY LANDFILL
GROUNDWATER SAMPLING - NOVEMBER 2010

PE SAMPLE RESULTS

Test	Lab Limits	Analysis Date	PE Sample Type	QC Outcome
Total As/Mn	85-115%	11/18/10 (Batch A)	LCS	Recoveries within limits for all target analytes
		11/18/10 (Batch B)	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.: 94623 (QAA No. PL04)
SDG NOs. TO FOLLOW: 96745 (PL05)

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	1-2
4. Shipping/Receiving Documents	
Airbills (No. of shipments:)	hand delivered
Chain-of-custody records	10-13
Sample tags	NA
Sample log-in sheet (Lab, DC-1)	1-2
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) 3/21/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 94623 (QAA No. PL04)
SDG NOs. TO FOLLOW: 96745 (PL05)

INDUCTIVELY COUPLED PLASMA/ MASS SPECTROMETRY (ICP-MS)
Parameter: As/Mn
Method: 200.8

	PAGE NUMBER(S)			
Date/Batch:	11/18/10			
Samples:	1-39			
1. Cover Sheet	not reqd			
2. Sample Data Sheet (Form I)	3-7			
3. Initial/Continuing Calibration Verification (Form IIA)	22-27			
4. CRQL Standard (From IIB)	not reqd			
5. Blanks (Form III)	8,9, 28-33			
6. Interference Check Sample (Form IVB)	34			
7. Matrix Spike Sample (Form VA) (Parent Sample: 15,25)	8,9 with MSD			
8. Post-Digestion Spike Sample (Form VB)	not reqd			
9. Duplicates (Form VI)	8,9 as MSD			
10. Laboratory Control Sample (Form VII)	8,9			
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)	18-19			
17. IPC-MS Internal Stds Relative Intensity (Form XV)	35-37			
18. ICP-MS Raw Data	40-180			
19. Preparation Logs Raw Data	20-21			
20. Original prep/analysis forms or copies of logbook pgs	15-17			

21. Comments
LCS (lab limits) – P

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/21/11
(Name and Company) (Date)

SITE:	Coakley Landfill (P0081)	
CLIENT:	Provan & Lorber Contoocook, New Hampshire	
LABORATORY:	Eastern Analytical, Inc. (Concord, New Hampshire) Work Order: 96745	
EVENT:	Groundwater Sampling–February 2011	
SAMPLES(1):	3 groundwater samples, 2 field duplicates, 1 equipment blank, 1 field blank, 3 trip blanks	
TESTS/METHODS(1):	Volatile Organics (VOCs)–72 target analytes	8260B
	1,4 Dioxane	8260B SIM
	EDB & DBCP	8011/504
	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 laboratory data package except as follows:

- 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.
- For metals, the raw data (instrument printouts) are not included in the original package. The laboratory was contacted and the raw data was submitted in an addendum, which is included as Attachment B.

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) 3/31/11 (Date)

Attachments:
A Complete SDG File (CSF) Inventory Sheets
B Laboratory Addenda (Metals Raw Data)

TABLE 1
COAKLEY LANDFILL
GROUNDWATER SAMPLING - FEBRUARY 2011

SAMPLES COLLECTED

Lab ID	Sample ID	Matrix	Tests Performed				
			VOCs	1,4-Dioxane	EDB & DBCP	23 Total Metals	Dissolved Fe/Mn
96745.01	GW-MW-6-150-0211	Water	x			x	x
96745.02	GW-BP-4-49-0211	Water		x	x	x	
96745.03	GW-BP-4-49-Dup-0211	Water		x	x		
96745.04	GW-GZ-125-72-0211	Water	x			x	x
96745.05	GW-GZ-125-72-Dup-0211	Water	x			x	x
96745.06	Equipment Blank	Water	x	x	x	x	x
96745.07	Field Blank	Water	x	x	x	x	x
96745.08	Trip Blank–8260	Water	x				
96745.09	Trip Blank - 1,4 Diox.	Water		x			
96745.1	Trip Blank - EDBDBCP	Water			x		

TABLE 2
COAKLEY LANDFILL
GROUNDWATER SAMPLING - FEBRUARY 2011

PE SAMPLE RESULTS

Test	Lab Limits	Analysis Date	PE Sample Type	QC Outcome
VOCs	70-130%, 40-160%*	2/10/11	LCS/LCSD	Recoveries within limits for all target analytes
1,4-Dioxane	70-130%	2/15/11	LCS/LCSD	Recoveries within limits for the target analyte
EDB & DBCP	70-130%	2/10/11	LCS/LCSD	Recoveries within limits for all target analytes
23 Total Metals	85-115%	2/11/11	LCS	Recoveries within limits for all target analytes
Dissolved Fe/Mn	85-115%	2/11/11	LCS	Recoveries within limits for all target analytes

*for gases and ketones

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.: 96745 (QAA No. PL05)
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	21
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) 3/22/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 96745 (QAA No. PL05)
SDG NOs. TO FOLLOW: none

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: VOCs
Method: 8260B

	PAGE NUMBER(S)			
Date/Batch:	2/10/11			
Samples:	1,4-8			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	74			
Matrix Spike/Matrix Spike Dup(Form III)(Parent Sample: 17)	4-5			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	6-7			
Method Blank (Form IV)	6-7			
GC/MS Instrument Performance Tune (Form V)	73			
Internal Standard Area and RT Form VIII)	74			
2. Sample Data				
TCL Results (Form I) (no. analytes: 72)	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	88-91* 98-105*			
3. Standards Data				
Initial Calibration Summary (Form VI) (12/14/10 ms4)	22-31			
Quantitation reports and RIC for all standards	32-70			
Continuing Calibration Summary (Form VII)	75-76			
Quantitation reports and RIC for all standards	77-79			
4. Raw QC Data				
Tune	73			
Method Blank	80-81			
Lab Control Sample/Lab Control Sample Dup	82-87			
Matrix Spike/Matrix Spike Dup	92-97			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	72			
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

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/22/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 96745 (QAA No. PL05)
SDG NOs. TO FOLLOW: none

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
Parameter: 1,4-Dioxane
Method: 8260B SIM

	PAGE NUMBER(S)			
Date/Batch:	2/15/11			
Samples:	2,3,6, 7,9			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	132			
Matrix Spike/Matrix Spike Dup(Form III) (Parent Sample: 2)	10			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	9			
Method Blank (Form IV)	9			
GC/MS Instrument Performance Tune (Form V)	131			
Internal Standard Area and RT Form VIII)	132			
2. Sample Data				
TCL Results (Form I) (no. analytes: 1)	8			
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	142-143* 148-155*			
3. Standards Data				
Initial Calibration Summary (Form VI) (1/7/11 ms2)	107-110			
Quantitation reports and RIC for all standards	111-128			
Continuing Calibration Summary (Form VII)	133			
Quantitation reports and RIC for all standards	134-135			
4. Raw QC Data				
Tune	131			
Method Blank	136-137			
Lab Control Sample/Lab Control Sample Dup	138-141			
Matrix Spike/Matrix Spike Dup	144-147			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	130			
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

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/22/11
(Name and Company) (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 96745 (QAA No. PL05)
SDG NOs. TO FOLLOW: none

GAS CHROMATOGRAPHY (GC)
Parameter: EDB/DBCP
Method: 8011/504 (dual column)

	PAGE NUMBER(S)			
Date/Batch:	2/10/11			
Samples:	2,3,6, 7,10			
1. QC Summary				
Deuterated Monitoring Compound (Form II)	*			
Matrix Spike/Matrix Spike Dup(Form III)(Parent Sample: 02)	13			
Lab Control Sample/Lab Control Sample Dup (Form IIIA)	12			
Method Blank (Form IV)	12			
2. Sample Data				
TCL Results (Form I) (no. analytes: 2)	11			
Raw Data for each sample: Quantitation reports, chromatograms	186-188 194-205			
3. Standards Data				
Initial Calibration Summary (Form VI) (2/10/11 ECD)	169-174			
Quantitation reports and chromatograms for all standards	159-168			
Continuing Calibration Summary (Form VII)	206,209			
Quantitation reports and chromatograms for all standards	206-211			
4. Raw QC Data				
Method Blank	183-185			
Lab Control Sample/Lab Control Sample Dup	175-179			
Matrix Spike/Matrix Spike Dup	189-193			
5. Miscellaneous Data				
Original prep/analysis forms or copies of logbook pgs	157-158			
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
*Surrogate summary for dual columns included with raw data for each sample

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) (Name and Company) 3/22/11 (Date)

Organics Complete SDG File (CSF) Inventory Sheet

LABORATORY NAME (CITY/STATE): Eastern Analytical, Inc. (Concord, NH)
SDG NO.: 96745 (QAA No. PL05)
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:	2/11/11	2/14/11		
Samples:	1-7*	2,6,7 Ag		
1. Cover Sheet	not reqd	not reqd		
2. Sample Data Sheet (Form I)	14-16	14-16		
3. Initial/Continuing Calibration Verification (Form IIA)	225-228	239-240		
4. CRQL Standard (From IIB)	not reqd	not reqd		
5. Blanks (Form III)	17, 221-224	237-238		
6. Interference Check Sample (Form IVB)	229	241		
7. Matrix Spike Sample (Form VA) (Parent Sample: 4)	18T,19D with MSD	NA		
8. Post-Digestion Spike Sample (Form VB)	not reqd	not reqd		
9. Duplicates (Form VI)	18T,19D as MSD	NA		
10. Laboratory Control Sample (Form VII)	17	NA		
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)	214-215	231-232		
17. IPC-MS Internal Stds Relative Intensity (Form XV)	219-220	236		
18. ICP-MS Raw Data	**	**		
19. Preparation Logs Raw Data	213	NA		
20. Original prep/analysis forms or copies of logbook pgs	216-218	233-235		

21. Comments
LCS (lab limits) – P
*Dissolved metals not requested for sample 2
**Not included in original package, received as addendum on 3/31/11

Completed by: Taryn G. Scholz/ Quality Assurance Associates (QAA, LLC) 3/31/11
(Name and Company) (Date)

ATTACHMENT B

LABORATORY ADDENDA (METALS RAW DATA)

Laboratory Addenda sheets included with original lab report. KMM