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Weissman Holdings, Inc

Final Post-Remedial Annual Report and Project Evaluation for On-Site Groundwater – Year 2

Former Kings Electronics Co., Inc. Site
40 Marbledale Road
Tuckahoe, New York

VCA#W3-0855-99-07
VCP Site No. V00237-3

30 November 2010

ARCADIS

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1. Introduction

ARCADIS of New York, Inc. (ARCADIS), on behalf of Weissman Holdings, Inc., formerly Kings Electronics Co., Inc. (Kings), has prepared this Final Post-Remedial Annual Report (August 2008 – July 2010) and Project Evaluation (PRM Report) for Year 2 (August 2009 – July 2010) of the Post-Remedial Monitoring Period for on-site groundwater at the former Kings Electronics Co., Inc. facility (Site). This PRM Report is being submitted in accordance with the Post Remedial Operation, Maintenance and Monitoring Plan-On-Site Groundwater Remediation System dated 9 November 2009 (the 2009 OM&M Plan).

The Post-Remedial Monitoring Period began in August 2008, following shutdown of the groundwater remediation system. The PRM Report for Year 1 (August 2008 – July 2009) of the Post-Remedial Period was submitted to the New York State Department of Environmental Conservation (NYSDEC) on 30 October 2009. The results for Year 1 of the Post-Remedial Period showed that a post-remedial rebound of the site constituents for groundwater had not occurred.

This PRM Report for Year 2 of the Post-Remedial Period for the Site summarizes (i) monitoring results for Year 2, which includes four quarters of on-site groundwater monitoring (October 2009, January 2010, April 2010, and July 2010) following shutdown of the groundwater remediation system in August 2008 (also showing no rebound); (ii) the operations, maintenance and monitoring (OM&M) activities, which consist of monitoring well and injection well inspections; and (iii) conclusions and recommendations based on post-remedial monitoring data.

As discussed below and based on the post remedial monitoring results, this Final Post-Remedial Report concludes that there has been no rebound of the source area during the post remedial monitoring period – see Tables 1 - 3. With the submission of this report, all groundwater monitoring and reporting pursuant to the 2009 OM&M Plan is now complete.

1.1 Project Summary to Date

The Site is located at 40 Marbledale Road, Village of Tuckahoe, Town of Eastchester, Westchester County, New York, with Tax Map Identifier Numbers Section 68, Block 4, and Lots 29 and 36 E. The Site location is presented on Figure 1. A Site plan showing existing site features is presented on Figure 2. Constituents of concern (COCs) at the

Site are chlorinated volatile organic compounds (CVOCs) based on previous groundwater investigations.

NYSDEC approved Kings' Revised On-Site Remedial Action Work Plan (RAWP) dated 3 July 2002 (ARCADIS, 2002). As described in the RAWP, Enhanced Reductive Dechlorination (ERD) was selected as the cleanup remedy for the CVOC contamination in groundwater at the Site originating from the source (former degreaser) area. The ERD remedial system began operation in January 2003. The site specific cleanup goals established for the Site (i.e.; below NYSDEC's Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1) were achieved in January 2008, after operating for a period of approximately 5 years. As set forth in the Final Engineering Report (FER) dated 11 February 2009 (ARCADIS, 2009), on-site post-remedial monitoring was to begin following shutdown of the groundwater remedial system in August 2008. The PRM Report for Year 1 (ARCADIS, 2009) of the Post-Remedial Period, submitted to NYSDEC on 30 October 2009, summarized the results for the first year and confirmed that a post-remedial rebound had not occurred during Year 1.

1.2 Purpose

The groundwater remedial action goals for the Site were to achieve groundwater quality standards meeting the Standard, Cleanup and Guidance Values of TOGS 1.1.1 (SCGs). Kings achieved these Site specific cleanup goals in January 2008.

As described herein, and in the previously submitted PRM Report for Year 1, all groundwater remediation activities ended in August 2008, beginning the Post-Remedial Period. The purpose of this PRM Report for Year 2 is to evaluate and document the effectiveness of the groundwater remediation during the second year of the Post-Remedial Monitoring Period and determine if any post-remedial action is warranted. In addition, this PRM report summarizes the operations, maintenance and monitoring (OM&M) groundwater activities for Year 2.

2. Pre-Remedial Groundwater Conditions

On-site groundwater was historically impacted with chlorinated VOCs (CVOCs). Trichloroethene (TCE) has been determined to be the diagnostic constituent of concern (COC) at the Site. The highest concentrations of total CVOCs in groundwater were detected in the upper unconsolidated unit (10 to 20 feet bgs). Prior to remediation

activities, concentrations of TCE in groundwater ranged from non-detect to 28,000 parts per billion (ppb).

Concentrations of CVOCs historically detected in the lower unconsolidated unit generally decreased by two to three orders of magnitude, demonstrating that the downward migration of CVOCs was limited, possibly attributable to decreased hydraulic conductivity at depth associated with the fining downward sequence observed for the unconsolidated unit.

3. Technical Overview

The Post-Remedial Monitoring Period includes at least eight quarters (2 years) of on-site groundwater monitoring as set forth in Section 8.1 of the FER (ARCADIS, 2009). Year 1 of the Post-Remedial Period was completed following the July 2009 monitoring event and was summarized in the PRM Report submitted to NYSDEC in October 2009. Year 2 of the Post Remedial Period (August 2009 – July 2010) is summarized in this Final Report.

On-site performance monitoring wells include six wells downgradient of the former degreaser source area (MW-9S, MW-9D, PTW-2, GP-104R, GP-103R and MW-13R). One additional well, upgradient of the groundwater treatment system and the former degreaser source area (MW-6S) is located at the northern (up-gradient) property line. Performance monitoring well results evaluate the effectiveness of the remediation and the upgradient well is utilized to document upgradient groundwater conditions.

Two objectives of the post-remedial monitoring are (i) to evaluate if a rebound of former source area contaminants has occurred in on-site groundwater and (ii) if so, to evaluate whether reinstatement of molasses substrate injections at any injection line or the implementation of an alternative remedial measure (Post Remedial Action) is necessary.

The Post Remedial Monitoring Period also includes inspections and maintenance of monitoring wells and injection wells on an annual and “as-needed” basis throughout the period. Inspections and maintenance are completed to ensure that the existing remedial system components (e.g., monitoring and injection wells) remain in operable condition.

Post-remedial activities for groundwater are summarized below in Sections 3.1, 3.2, and 3.3.

3.1 Post-Remedial Monitoring

Post-remedial quarterly monitoring was conducted as set forth in the FER, the Revised On-Site Remedial Action Work Plan for the Site, and by agreement with NYSDEC in accordance with the 2009 OM&M Plan.

3.1.1 Groundwater Sampling

On-site post-remedial monitoring, Year 2, was conducted during October 2009, January 2010, April 2010, and July 2010. Six on-site performance monitoring wells were sampled during each quarter: MW-9S, MW-9D, PTW-2, GP-104R, GP-103R and MW-13R. In addition, MW-6S (at the on-site up-gradient northern property line) was monitored each quarter to document groundwater quality upgradient of the former treatment zone and degreaser source area.

Purge water generated from the sampling activities was temporarily staged on-site in designated 55-gallon drums. On 12 February 2010, Royal Environmental Services Corporation (Royal), a 6 NYCRR Part 364 permitted transporter, removed purge water for delivery off-site. On 19 November, 2010, two drums containing the remaining purge water were removed from the Site by Royal.

3.1.1 Sampling Methodology

Monitoring wells were purged using a low-flow groundwater sampling technique during each sampling event. During well purging, field measurements were recorded onto groundwater sampling logs. Completed logs are provided as Appendix A. Groundwater samples were also collected using a low-flow groundwater sampling technique and were analyzed for Volatile Organic Compounds (VOCs) using EPA Method 8260. All groundwater samples were transferred properly into sample containers and placed in coolers with ice and maintained at 4º C for delivery to an ELAP-certified laboratory for analysis under proper chain of custody.

3.1.2 Quality Assurance/Quality Control

All monitoring well samples were analyzed by a NYS DOH ELAP certified laboratory following the quality assurance/quality control (QA/QC) procedures specified in the analytical method. Category A laboratory data deliverables were provided by the laboratory for samples collected during October 2009, January 2010, and April 2010. Category B laboratory data deliverables were provided by the laboratory for samples

collected during July 2010. The laboratory data packages for each of the four quarters are provided as Appendix B to this Report.

QA/QC samples were collected to assure quality control for the monitoring program. Analyses of QA/QC samples enabled data evaluation for accuracy and integrity. QA/QC sample sets included one trip blank with each cooler containing samples collected for VOC analyses, field blank samples for each day of any sampling event where a decontamination process was employed, and a blank duplicate (site specific) and MS/MSD (batch specific) analyzed at a frequency of one per every twenty samples in a sample delivery group (SDG) to determine the quality of laboratory analysis. QA/QC samples were used to verify the quality of the sampling and analytical results.

A data usability summary report (DUSR) was prepared for the Category B laboratory data deliverable for the July 2010 monitoring event. Results of the DUSR indicate that all data is useable for its intended purpose. The DUSR is provided as Appendix C.

3.2 Inspections and Maintenance of the Injection and Monitoring Well Network

3.2.1 Annual

Annual inspections and maintenance of the injection system and monitoring wells were completed as follows:

(a) Annual well integrity assessments were completed on 7 July 2010 for injection wells (IW-5, IW-6, MW-HP-8S, MW-1, MW-11, MW-10, MW-12, MW-2, IW-8, IW-9, IW-10, IW-11, GP-106R2, IW-1R, IW-2, IW-3, IW-4, IW-13, IW-14, IW-15R, MW-7S & IW-16), post-remedial performance monitoring wells (MW-9S, MW-9D, PTW-2, GP-104R, GP103R and MW-13R), and the on-site, upgradient well (MW-6S). Injection Well IW-12 was not inspected because the well is located within a storage unit that is rented, and was therefore inaccessible during the well inspection event. Completed well inspection logs are provided as Appendix D.

(b) Annual visual inspections were completed on 7 July 2010 for off-site monitoring wells (OS-MW-1, OS-MW-2, OS-MW-3, MW-HP-2S, MW-HP-2D) to assess if they remain secure. A visual examination of the flush-mount protective casing at the ground surface was completed to accomplish this. All off-site wells were secure.

3.2.2 Other Inspections and Maintenance

Additional maintenance of the injection system was completed on 30 July 2010 based on ARCADIS field observations. Maintenance and repair was performed by Weissman Holdings as follows:

- The cover plate for the injection vault in Line 1 did not close properly, after the July quarterly monitoring was completed, because the hinges are rusted solid. (Repeated opening will eventually break the cover.) Never-the-less, it was subsequently secured in the closed position, lying flat as designed and flush with the macadam.

- During the second year of the Post-Remedial Period, no reports of on-site flooding, injection system damage, or monitoring well damage were received by Weissman Holdings from the current Site~~'s~~ owner/operator.

4. Post-Remedial Monitoring Program Results and Evaluation – Year 2

Results for the second year of the post-remedial monitoring program are described in the following sections and supplement data from the first year to further document the effectiveness of the groundwater remediation performed by ARCADIS and its achievement of the groundwater remedial action goals.

4.1 Groundwater Monitoring

4.1.1 Results

Analytical results from Year 2 of the Post-Remedial Monitoring Period for post-remedial performance monitoring wells (MW-9S, MW-9D, PTW-2, GP-104R, GP-103R, MW-13R) are provided in Table 1. Analytical results for upgradient Monitoring Well MW-6S (for which there is no cleanup obligation) are provided in Table 2. A summary of the results for each quarter are provided as follows:

4.1.1.1 October 2009

Results of the post-remedial monitoring conducted during October 2009 are as follows:

- There were no exceedences of the SCG for TCE (5.0 µg/l) at post-remedial performance monitoring wells. Concentrations of TCE ranged from non-detect to 1.14 µg/l.
- There were no exceedences of other SCGs for any performance monitoring well.
- The reported TCE concentration at upgradient well MW-6S was 18.5 µg/l.

4.1.1.2 January 2010

Results of the post-remedial monitoring conducted during January 2010 are as follows:

- There were no exceedences of the SCG for TCE at post-remedial performance monitoring wells. Concentrations of TCE ranged from non-detect to 1.74 µg/l.
- There were no exceedences of other SCGs for any performance monitoring well.
- The reported TCE concentration at upgradient well MW-6S was 40.3 µg/l. Additionally, tetrachloroethene (PCE) was reported at a concentration of 5.17 µg/l.

4.1.1.3 April 2010

Results of the post-remedial monitoring conducted during April 2010 are as follows:

- There were no exceedences of the SCG for TCE at post-remedial performance monitoring wells. Concentrations of TCE ranged from non-detect to 3.48 µg/l.
- There were two exceedences of the SCG for vinyl chloride (VC). The exceedences were detected at wells MW-9S and GP-103R. Reported concentrations of VC were 7.31 µg/l and 3.02 µg/l, respectively.
- There was one exceedence of the SCG for cis-1,2-dichloroethene (cis-1,2-DCE) at Well MW-9S. The reported cis-1,2-DCE concentration was 6.59 µg/l.
- The reported TCE concentration at upgradient well MW-6S was 25.1 µg/l.

It should be noted that during the April 2010 quarterly monitoring, water-level elevation measurements were recorded as being higher than the previous winter/spring monitoring periods. The current Site operator's maintenance supervisor reported a

sump pump had to be employed within the basement, at a low point between GP-103R and MW-7S. Water-level elevation measurements for this quarter are provided in Table 3.

4.1.1.4 July 2010

Results of the post-remedial monitoring conducted during July 2010 are as follows:

- There was one exceedence of the SCG for TCE at post-remedial performance monitoring well PTW-2 at a concentration of 6.22 µg/l.
- There were two exceedences of the SCG for VC at wells GP-103R and GP-104R. The reported VC concentrations were 10.9 µg/l and 2.41 µg/l, respectively.
- The reported TCE concentration at upgradient well MW-6S was 16.3 µg/l.

4.1.2 Evaluation

As discussed below, based on an evaluation of the post-remedial monitoring data, a post-remedial rebound of the source area has not occurred. Detected VOC concentrations for each on-site well are shown on Figure 3.

TCE (diagnostic constituent of concern)

Based on the eight quarters of post-remedial monitoring data (October 2008 through July 2010), TCE slightly exceeded the applicable SCG at PTW-2 in July 2010 at a concentration of 6.22 µg/l. The detected concentration is likely a result from the upgradient CVOC plume detected at MW-6S and is not a result of a post-remedial rebound. This conclusion is based on the following:

- A post-remedial rebound of TCE would likely be characterized by a rebound of TCE concentrations that are at a greater magnitude than that detected at well PTW-2.
- TCE did not exceed the SCG at well MW-9S, which is located between the former source area and PTW-2. Any post-remedial rebound would be detected at MW-9S due to its proximity to the former source area and historical concentrations, therefore, the TCE concentration detected at PTW-2 is likely attributable to background conditions.

- Concentrations historically fluctuate at upgradient well MW-6S, indicating that the TCE mass upgradient of the source area is in flux. TCE concentrations at upgradient well MW-6S increased from 18.5 µg/l in October 2009 to 40.3 µg/l in January 2010, indicating movement of TCE mass from an upgradient location towards well MW-6S during the January 2010 period. This mass flux migrated downgradient and resulted in an increase of TCE concentration at well MW-9S three months later (0.338 µg/l in January 2010 to 1.9 µg/l in April 2010) and at PTW-2 after an additional three months (3.48 µg/l in April 2010 to 6.22 µg/l in July 2010). TCE concentrations at well MW-6S decreased after January 2010 and were followed by decreased TCE concentrations in Well MW-9S three months later (1.9 µg/l in April 2010 to non-detectable in July 2010). It is expected that the TCE concentration at PTW-2 will similarly decrease.

- Because of significant precipitation during Spring 2010 (e.g., water table rose by approximately 3.5 ft) and drought during Summer 2010 (e.g., water table dropped by approximately 5 ft), localized groundwater velocity changed which resulted in faster migration of TCE mass flux from upgradient well MW-6S area. The abnormal water level fluctuations did not result in a significant increase of TCE concentrations in any monitoring well, confirming no rebound of TCE concentrations.

CVOCs (non diagnostic constituents)

During Year 2 of the post-remedial period, other CVOCs (non-diagnostic constituents) were detected at concentrations greater than the SCGs. Cis-1,2-DCE and vinyl chloride were detected at MW-9S in April 2010 at a concentrations of 6.59 µg/l and 7.31 µg/l, respectively. Vinyl chloride was detected at GP-104R in July 2010 at a concentration of 2.41 µg/l. Vinyl chloride was also detected at GP-103R in October 2009, April 2010, and July 2010 at concentrations of 5.61 µg/l, 3.02 µg/l, and 10.9 µg/l, respectively.

As TCE mass flux migrates from the upgradient MW-6S area, it degrades within the former remediation zone. The compounds cis-1,2-DCE and vinyl chloride are degradation products of TCE and have a greater transport velocity in groundwater than TCE. The cis-1,2 DCE and vinyl chloride detections likely result from either (i) natural attenuation of the CVOC plume detected at upgradient well MW-6S that represents background conditions or (ii) localized residual CVOCs that are not related to the

former degreaser source. In either case, the relatively low concentrations suggest that they are not from a post-remedial rebound.

Groundwater Flow

Groundwater elevation measurements for each quarter were taken and are provided in Table 3. Groundwater contour maps indicate that flow direction in the shallow and deep overburden is generally towards the south (refer to Figures 4 and 5), consistent with the flow direction observed during previous monitoring events.

4.2 Inspections and Maintenance of the Injection and Monitoring Well Network

4.2.1 Results

The annual inspection and maintenance results from Year 2 of the Post-Remedial Period are summarized as follows:

- Maintenance to an injection vault was completed on 30 July 2010, as summarized in Section 3.2.2.

4.2.2 Evaluation

The injection and monitoring wells are in operable condition based on the 7 July 2010 inspection and maintenance completed on 30 July 2010.

5. Conclusions and Recommendations

The following conclusions are based on a review of the post-remedial data for Years 1 and 2 of the Post-Remedial Period:

- Post-remedial rebound of TCE has not occurred since shutdown of the groundwater remediation system in August 2008
- No further remedial measures are warranted
- Conclusion of the post-remedial monitoring program and annual inspection and maintenance of the injection system and monitoring wells pursuant to the 2009 OM&M Plan is recommended
- Termination of all future groundwater monitoring at the Site is recommended.

6. References

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Table 1. Volatile Organic Compound Results for Post-Remedial Groundwater Monitoring Wells, October 2008 to July 2010, Former Kings Electronics Co., Inc. Site Tuckahoe, New York.

	Location ID	MW-9D							
	Lab Sample ID	MW-9D_E08-12330-010	MW-9D_E09-00763-006	MW-9D_E09-03980-007	MW-9D_E09-07112-005	MW-9D_E09-10185-005	MW-9D_E10-00249-003	MW-9D_E10-03186-005	MW-9D_E10-06728-005
	Sample Date	10/21/2008	1/21/2009	4/22/2009	7/15/2009	10/6/2009	1/7/2010	4/6/2010	7/8/2010
Compound	SCGs								
Chloromethane	5	< 0.51	< 0.18	< 0.23	< 0.23	<0.930	<1.00	<1.00	<0.360
Vinyl chloride	2	< 0.56	< 0.46	< 0.26	< 0.26	<0.470	<1.00	<1.00	<0.420
Bromomethane	5	< 0.51	< 0.37	< 0.36	< 0.36	<0.950	<1.00	<1.00	<0.590
Chloroethane	5	< 0.71	< 0.64	< 0.29	< 0.29	<0.170	<1.00	<1.00	<0.410
Trichlorofluoromethane	5	< 0.6	< 0.74	< 0.23	< 0.23	<0.310	<1.00	<1.00	<0.390
Acrolein	---	< 1.87	< 2.57	< 4.34	< 4.34	<1.74	<20.0	<20.0	<1.64
1,1-Dichloroethene	5	< 0.42	< 0.53	< 0.61	< 0.61	<0.360	<1.00	<1.00	<0.390
Methylene chloride	5	< 1.98	< 1.98	< 1.98	< 1.98	<1.98	<2.00	<2.00	<1.98
Acrylonitrile	---	< 1.19	< 0.74	< 0.95	< 0.95	<1.16	<20.0	<20.0	<1.40
trans-1,2-Dichloroethene	5	< 0.45	< 0.25	< 0.19	< 0.19	<0.340	<1.00	<1.00	<0.330
1,1-Dichloroethane	5	< 0.34	< 0.21	< 0.23	< 0.23	<0.260	<1.00	<1.00	<0.350
cis-1,2-Dichloroethene	5	< 0.32	< 0.19	< 0.2	< 0.2	<0.270	<1.00	<1.00	<0.220
Chloroform	7	< 0.29	< 0.14	< 0.17	< 0.17	<0.220	<1.00	<1.00	<0.330
1,1,1-Trichloroethane	5	< 0.43	< 0.36	< 0.23	< 0.23	<0.250	<1.00	<1.00	<0.360
Carbon tetrachloride	5	< 0.45	< 0.3	< 0.16	< 0.16	<0.280	<1.00	<1.00	<0.320
1,2-Dichloroethane (EDC)	0.6	< 0.28	< 0.19	< 0.21	< 0.21	<0.240	<1.00	<1.00	<0.340
Benzene	1	< 0.29	< 0.17	< 0.21	< 0.21	<0.290	<1.00	<1.00	<0.270
Trichloroethene	5	< 0.32	< 0.19	< 0.28	< 0.28	<0.310	<1.00	<1.00	<0.320
1,2-Dichloropropane	1	< 0.21	< 0.16	< 0.2	< 0.2	<0.280	<1.00	<1.00	<0.220
Bromodichloromethane	50	< 0.21	< 0.18	< 0.12	< 0.12	<0.250	<1.00	<1.00	<0.310
2-Chloroethyl vinyl ether	---	< 0.63	< 1.04	< 0.99	< 0.99	<0.400	<1.00	<1.00	<0.350
cis-1,3-Dichloropropene	0.4	< 0.2	< 0.24	< 0.15	< 0.15	<0.140	<1.00	<1.00	<0.210
Toluene	5	< 0.34	< 0.23	< 0.2	< 0.2	<0.300	<1.00	<1.00	<0.270
trans-1,3-Dichloropropene	0.4	< 0.13	< 0.32	< 0.27	< 0.27	<0.130	<1.00	<1.00	<0.250
1,1,2-Trichloroethane	1	< 0.36	< 0.15	< 0.15	< 0.15	<0.240	<1.00	<1.00	<0.280
Tetrachloroethene	5	< 0.38	< 0.33	< 0.19	< 0.19	<0.300	<1.00	<1.00	<0.280
Dibromochloromethane	50	< 0.25	< 0.16	< 0.16	< 0.16	<0.330	<1.00	<1.00	<0.230
Chlorobenzene	5	< 0.27	< 0.2	< 0.2	< 0.2	<0.170	<1.00	<1.00	<0.270
Ethylbenzene	5	< 0.33	< 0.27	< 0.19	< 0.19	<0.240	<1.00	<1.00	<0.220
Total Xylenes	5	< 0.98	< 0.79	< 0.44	< 0.44	<0.740	<2.00	<2.00	<0.600
Bromoform	50	< 0.3	< 0.15	< 0.14	< 0.14	<0.250	<1.00	<1.00	<0.210
1,1,2,2-Tetrachloroethane	5	< 0.14	< 0.17	< 0.12	< 0.12	<0.190	<1.00	<1.00	<0.210
1,3-Dichlorobenzene	3	< 0.32	< 0.23	< 0.17	< 0.17	<0.130	<1.00	<1.00	<0.240
1,4-Dichlorobenzene	3	< 0.28	< 0.25	< 0.16	< 0.16	<0.180	<1.00	<1.00	<0.230
1,2-Dichlorobenzene	3	< 0.28	< 0.23	< 0.15	< 0.15	<0.110	<1.00	<1.00	<0.210

Results are reported in micrograms per liter (ug/l)
Results exceeding an SCG are shaded gray
--- No applicable SCG

Table 1. Volatile Organic Compound Results for Post-Remedial Groundwater Monitoring Wells, October 2008 to July 2010, Former Kings Electronics Co., Inc. Site Tuckahoe, New York.

	Location ID	MW-9S							
	Lab Sample ID	MW-9S_E08-12330-008	MW-9S_E09-00763-007	MW-9SR_E09-03980-006	MW-9S_E09-07112-006	MW-9S_E09-10185-006	MW-9S_E10-00249-004	MW-9S_E10-03186-004	MW-9S_E10-06728-004
	Sample Date	10/21/2008	1/21/2009	4/22/2009	7/15/2009	10/6/2009	1/7/2010	4/6/2010	7/8/2010
Compound	SCGs								
Chloromethane	5	< 0.51	< 0.18	< 0.23	< 0.23	<0.930	<1.00	<1.00	<0.360
Vinyl chloride	2	0.861	0.808	0.757	< 0.26	1.15	0.757 J	7.31	1.17
Bromomethane	5	< 0.51	< 0.37	< 0.36	< 0.36	<0.950	<1.00	<1.00	<0.590
Chloroethane	5	< 0.71	< 0.64	< 0.29	< 0.29	<0.170	<1.00	<1.00	<0.410
Trichlorofluoromethane	5	< 0.6	< 0.74	< 0.23	< 0.23	<0.310	<1.00	<1.00	<0.390
Acrolein	---	< 1.87	< 2.57	< 4.34	< 4.34	<1.74	<20.0	<20.0	<1.64
1,1-Dichloroethene	5	< 0.42	< 0.53	< 0.61	< 0.61	<0.360	<1.00	<1.00	<0.390
Methylene chloride	5	< 1.98	< 1.98	< 1.98	< 1.98	<1.98	<2.00	<2.00	<1.98
Acrylonitrile	---	< 1.19	< 0.74	< 0.95	< 0.95	<1.16	<20.0	<20.0	<1.40
trans-1,2-Dichloroethene	5	0.882	< 0.25	1.31	< 0.19	0.934	0.514 J	2.00	0.626 J
1,1-Dichloroethane	5	0.52	0.547	0.877	< 0.23	0.646	0.671 J	4.16	1.11
cis-1,2-Dichloroethene	5	0.668	0.64	0.657	0.564	0.687	0.518 J	6.59	0.360 J
Chloroform	7	< 0.29	< 0.14	< 0.17	< 0.17	<0.220	<1.00	<1.00	<0.330
1,1,1-Trichloroethane	5	< 0.43	< 0.36	< 0.23	< 0.23	<0.250	<1.00	<1.00	<0.360
Carbon tetrachloride	5	< 0.45	< 0.3	< 0.16	< 0.16	<0.280	<1.00	<1.00	<0.320
1,2-Dichloroethane (EDC)	0.6	< 0.28	< 0.19	< 0.21	< 0.21	<0.240	<1.00	<1.00	<0.340
Benzene	1	< 0.29	< 0.17	< 0.21	< 0.21	<0.290	<1.00	<1.00	<0.270
Trichloroethene	5	< 0.32	< 0.19	< 0.28	< 0.28	<0.310	0.338 J	1.90	<0.320
1,2-Dichloropropane	1	< 0.21	< 0.16	< 0.2	< 0.2	<0.280	<1.00	<1.00	<0.220
Bromodichloromethane	50	< 0.21	< 0.18	< 0.12	< 0.12	<0.250	<1.00	<1.00	<0.310
2-Chloroethyl vinyl ether	---	< 0.63	< 1.04	< 0.99	< 0.99	<0.400	<1.00	<1.00	<0.350
cis-1,3-Dichloropropene	0.4	< 0.2	< 0.24	< 0.15	< 0.15	<0.140	<1.00	<1.00	<0.210
Toluene	5	< 0.34	< 0.23	< 0.2	< 0.2	<0.300	<1.00	<1.00	<0.270
trans-1,3-Dichloropropene	0.4	< 0.13	< 0.32	< 0.27	< 0.27	<0.130	<1.00	<1.00	<0.250
1,1,2-Trichloroethane	1	< 0.36	< 0.15	< 0.15	< 0.15	<0.240	<1.00	<1.00	<0.280
Tetrachloroethene	5	< 0.38	< 0.33	< 0.19	< 0.19	<0.300	<1.00	<1.00	<0.280
Dibromochloromethane	50	< 0.25	< 0.16	< 0.16	< 0.16	<0.330	<1.00	<1.00	<0.230
Chlorobenzene	5	< 0.27	< 0.2	< 0.2	< 0.2	<0.170	<1.00	<1.00	<0.270
Ethylbenzene	5	< 0.33	< 0.27	< 0.19	< 0.19	<0.240	<1.00	<1.00	<0.220
Total Xylenes	5	< 0.98	< 0.79	< 0.44	< 0.44	<0.740	<2.00	<2.00	<0.600
Bromoform	50	< 0.3	< 0.15	< 0.14	< 0.14	<0.250	<1.00	<1.00	<0.210
1,1,2,2-Tetrachloroethane	5	< 0.14	< 0.17	< 0.12	< 0.12	<0.190	<1.00	<1.00	<0.210
1,3-Dichlorobenzene	3	< 0.32	< 0.23	< 0.17	< 0.17	<0.130	<1.00	<1.00	<0.240
1,4-Dichlorobenzene	3	< 0.28	< 0.25	< 0.16	< 0.16	<0.180	<1.00	<1.00	<0.230
1,2-Dichlorobenzene	3	< 0.28	< 0.23	< 0.15	< 0.15	<0.110	<1.00	<1.00	<0.210

Results are reported in micrograms per liter (ug/l)
Results exceeding an SCG are shaded gray
--- No applicable SCG

Table 1. Volatile Organic Compound Results for Post-Remedial Groundwater Monitoring Wells, October 2008 to July 2010, Former Kings Electronics Co., Inc. Site Tuckahoe, New York.

	Location ID	PTW-2							
	Lab Sample ID	PTW-2_E08-12330-014	PTW-2_E09-00763-017	PTW-2_E09-03980-001	PTW-2_E09-07112-010	PTW-2_E09-10185-003	PTW-2_E10-00249-009	PTW-2_E10-03186-003	PTW-2_E10-06728-003
	Sample Date	10/23/2008	1/22/2009	4/21/2009	7/16/2009	10/7/2009	1/8/2010	4/6/2010	7/8/2010
Compound	SCGs								
Chloromethane	5	< 0.51	< 0.18	< 0.23	< 0.23	<0.930	<1.00	<1.00	<0.360
Vinyl chloride	2	< 0.56	< 0.46	0.816	< 0.26	0.632	0.658 J	1.38	0.846 J
Bromomethane	5	< 0.51	< 0.37	< 0.36	< 0.36	<0.950	<1.00	<1.00	<0.590
Chloroethane	5	< 0.71	< 0.64	< 0.29	< 0.29	<0.170	<1.00	<1.00	<0.410
Trichlorofluoromethane	5	< 0.6	< 0.74	< 0.23	< 0.23	<0.310	<1.00	<1.00	<0.390
Acrolein	---	< 1.87	< 2.57	< 4.34	< 4.34	<1.74	<20.0	<20.0	<1.64
1,1-Dichloroethene	5	< 0.42	< 0.53	< 0.61	< 0.61	<0.360	<1.00	1.79	<0.390
Methylene chloride	5	< 1.98	< 1.98	< 1.98	< 1.98	<1.98	<2.00	<2.00	<1.98
Acrylonitrile	---	< 1.19	< 0.74	< 0.95	< 0.95	<1.16	<20.0	<20.0	<1.40
trans-1,2-Dichloroethene	5	< 0.45	< 0.25	0.717	< 0.19	0.384	0.799 J	<1.00	<0.330
1,1-Dichloroethane	5	0.657	1.69	1.88	0.576	1.41	3.37	<1.00	1.39
cis-1,2-Dichloroethene	5	0.395	< 0.19	1.31	1.76	2.19	0.510 J	<1.00	2.67
Chloroform	7	< 0.29	< 0.14	< 0.17	< 0.17	<0.220	<1.00	<1.00	<0.330
1,1,1-Trichloroethane	5	< 0.43	< 0.36	< 0.23	< 0.23	<0.250	<1.00	<1.00	0.691 J
Carbon tetrachloride	5	< 0.45	< 0.3	< 0.16	< 0.16	<0.280	<1.00	<1.00	<0.320
1,2-Dichloroethane (EDC)	0.6	< 0.28	< 0.19	< 0.21	< 0.21	<0.240	<1.00	<1.00	<0.340
Benzene	1	< 0.29	< 0.17	< 0.21	< 0.21	<0.290	<1.00	<1.00	<0.270
Trichloroethene	5	< 0.32	0.525	1.54	2.22	1.14	0.794 J	3.48	6.22
1,2-Dichloropropane	1	< 0.21	< 0.16	< 0.2	< 0.2	<0.280	<1.00	<1.00	<0.220
Bromodichloromethane	50	< 0.21	< 0.18	< 0.12	< 0.12	<0.250	<1.00	<1.00	<0.310
2-Chloroethyl vinyl ether	---	< 0.63	< 1.04	< 0.99	< 0.99	<0.400	<1.00	<1.00	<0.350
cis-1,3-Dichloropropene	0.4	< 0.2	< 0.24	< 0.15	< 0.15	<0.140	<1.00	<1.00	<0.210
Toluene	5	< 0.34	< 0.23	< 0.2	< 0.2	<0.300	<1.00	<1.00	<0.270
trans-1,3-Dichloropropene	0.4	< 0.13	< 0.32	< 0.27	< 0.27	<0.130	<1.00	<1.00	<0.250
1,1,2-Trichloroethane	1	< 0.36	< 0.15	< 0.15	< 0.15	<0.240	<1.00	<1.00	<0.280
Tetrachloroethene	5	< 0.38	< 0.33	< 0.19	< 0.19	<0.300	<1.00	<1.00	0.290 J
Dibromochloromethane	50	< 0.25	< 0.16	< 0.16	< 0.16	<0.330	<1.00	<1.00	<0.230
Chlorobenzene	5	< 0.27	< 0.2	< 0.2	< 0.2	<0.170	<1.00	<1.00	<0.270
Ethylbenzene	5	< 0.33	< 0.27	< 0.19	< 0.19	<0.240	<1.00	<1.00	<0.220
Total Xylenes	5	< 0.98	< 0.79	< 0.44	< 0.44	<0.740	<2.00	<2.00	<0.600
Bromoform	50	< 0.3	< 0.15	< 0.14	< 0.14	<0.250	<1.00	<1.00	<0.210
1,1,2,2-Tetrachloroethane	5	< 0.14	< 0.17	< 0.12	< 0.12	<0.190	<1.00	<1.00	<0.210
1,3-Dichlorobenzene	3	< 0.32	< 0.23	< 0.17	< 0.17	<0.130	<1.00	<1.00	<0.240
1,4-Dichlorobenzene	3	< 0.28	< 0.25	< 0.16	< 0.16	<0.180	<1.00	<1.00	<0.230
1,2-Dichlorobenzene	3	< 0.28	< 0.23	< 0.15	< 0.15	<0.110	<1.00	<1.00	<0.210

Results are reported in micrograms per liter (ug/l)
Results exceeding an SCG are shaded gray
--- No applicable SCG

Table 1. Volatile Organic Compound Results for Post-Remedial Groundwater Monitoring Wells, October 2008 to July 2010, Former Kings Electronics Co., Inc. Site Tuckahoe, New York.

	Location ID	GP-104R							
	Lab Sample ID	GP-104R_E08-12330-013	GP-104R_E09-00763-012	GP-104R_E09-03980-005	GP-104R_E09-07112-009	GP-104R_E09-10185-001	GP-104R_E10-00249-007	GP-104R_E10-03186-009	GP-104R_E10-06728-009
	Sample Date	10/23/2008	1/22/2009	4/22/2009	7/16/2009	10/7/2009	1/8/2010	4/7/2010	7/9/2010
Compound	SCGs								
Chloromethane	5	< 0.51	< 0.18	< 0.23	< 0.23	<0.930	<1.00	<1.00	<0.360
Vinyl chloride	2	< 0.56	0.502	< 0.26	< 0.26	1.48	1.04	<1.00	2.41
Bromomethane	5	< 0.51	< 0.37	< 0.36	< 0.36	<0.950	<1.00	<1.00	<0.590
Chloroethane	5	< 0.71	< 0.64	< 0.29	< 0.29	<0.170	<1.00	<1.00	<0.410
Trichlorofluoromethane	5	< 0.6	< 0.74	< 0.23	< 0.23	<0.310	<1.00	<1.00	<0.390
Acrolein	---	< 1.87	< 2.57	< 4.34	< 4.34	<1.74	<20.0	<20.0	<1.64
1,1-Dichloroethene	5	< 0.42	< 0.53	< 0.61	< 0.61	<0.360	<1.00	<1.00	<0.390
Methylene chloride	5	< 1.98	< 1.98	< 1.98	< 1.98	<1.98	<2.00	<2.00	<1.98
Acrylonitrile	---	< 1.19	< 0.74	< 0.95	< 0.95	<1.16	<20.0	<20.0	<1.40
trans-1,2-Dichloroethene	5	0.459	1.19	0.759	< 0.19	0.971	1.43	0.686 J	<0.330
1,1-Dichloroethane	5	0.573	1.48	0.789	< 0.23	0.931	1.16	1.30	1.84
cis-1,2-Dichloroethene	5	0.589	1.58	1.16	1.64	1.26	1.36	1.06	2.75
Chloroform	7	< 0.29	< 0.14	< 0.17	< 0.17	<0.220	<1.00	<1.00	<0.330
1,1,1-Trichloroethane	5	< 0.43	< 0.36	< 0.23	< 0.23	<0.250	<1.00	<1.00	<0.360
Carbon tetrachloride	5	< 0.45	< 0.3	< 0.16	< 0.16	<0.280	<1.00	<1.00	<0.320
1,2-Dichloroethane (EDC)	0.6	< 0.28	< 0.19	< 0.21	< 0.21	<0.240	<1.00	<1.00	<0.340
Benzene	1	< 0.29	< 0.17	< 0.21	< 0.21	<0.290	<1.00	<1.00	<0.270
Trichloroethene	5	0.402	1.49	1.13	1.82	0.591	1.74	1.05	0.533 J
1,2-Dichloropropane	1	< 0.21	< 0.16	< 0.2	< 0.2	<0.280	<1.00	<1.00	<0.220
Bromodichloromethane	50	< 0.21	< 0.18	< 0.12	< 0.12	<0.250	<1.00	<1.00	<0.310
2-Chloroethyl vinyl ether	---	< 0.63	< 1.04	< 0.99	< 0.99	<0.400	<1.00	<1.00	<0.350
cis-1,3-Dichloropropene	0.4	< 0.2	< 0.24	< 0.15	< 0.15	<0.140	<1.00	<1.00	<0.210
Toluene	5	< 0.34	< 0.23	< 0.2	< 0.2	<0.300	<1.00	<1.00	<0.270
trans-1,3-Dichloropropene	0.4	< 0.13	< 0.32	< 0.27	< 0.27	<0.130	<1.00	<1.00	<0.250
1,1,2-Trichloroethane	1	< 0.36	< 0.15	< 0.15	< 0.15	<0.240	<1.00	<1.00	<0.280
Tetrachloroethene	5	< 0.38	< 0.33	< 0.19	< 0.19	<0.300	<1.00	<1.00	<0.280
Dibromochloromethane	50	< 0.25	< 0.16	< 0.16	< 0.16	<0.330	<1.00	<1.00	<0.230
Chlorobenzene	5	< 0.27	< 0.2	< 0.2	< 0.2	<0.170	<1.00	<1.00	<0.270
Ethylbenzene	5	< 0.33	< 0.27	< 0.19	< 0.19	<0.240	<1.00	<1.00	<0.220
Total Xylenes	5	< 0.98	< 0.79	< 0.44	< 0.44	<0.740	<2.00	<2.00	<0.600
Bromoform	50	< 0.3	< 0.15	< 0.14	< 0.14	<0.250	<1.00	<1.00	<0.210
1,1,2,2-Tetrachloroethane	5	< 0.14	< 0.17	< 0.12	< 0.12	<0.190	<1.00	<1.00	<0.210
1,3-Dichlorobenzene	3	< 0.32	< 0.23	< 0.17	< 0.17	<0.130	<1.00	<1.00	<0.240
1,4-Dichlorobenzene	3	< 0.28	< 0.25	< 0.16	< 0.16	<0.180	<1.00	<1.00	<0.230
1,2-Dichlorobenzene	3	< 0.28	< 0.23	< 0.15	< 0.15	<0.110	<1.00	<1.00	<0.210

Results are reported in micrograms per liter (ug/l)
Results exceeding an SCG are shaded gray
--- No applicable SCG

Table 1. Volatile Organic Compound Results for Post-Remedial Groundwater Monitoring Wells, October 2008 to July 2010, Former Kings Electronics Co., Inc. Site Tuckahoe, New York.

	Location ID	GP-103R							
	Lab Sample ID	GP-103R_E08-12330-007	GP-103R_E09-00763-011	GP-103R_E09-03980-004	GP-103R_E09-07112-004	GP-103R_E09-10185-002	GP-103R_E10-00249-008	GP-103R_E10-03186-010	GP-103R_E10-06728-010
	Sample Date	10/23/2008	1/22/2009	4/22/2009	7/16/2009	10/7/2009	1/8/2010	4/7/2010	7/9/2010
Compound	SCGs								
Chloromethane	5	< 0.51	< 0.18	< 0.23	< 0.23	<0.930	<1.00	<1.00	<0.360
Vinyl chloride	2	35.2	0.763	10.9	< 0.26	5.61	1.26	3.02	10.9
Bromomethane	5	< 0.51	< 0.37	< 0.36	< 0.36	<0.950	<1.00	<1.00	<0.590
Chloroethane	5	< 0.71	< 0.64	< 0.29	< 0.29	<0.170	<1.00	<1.00	<0.410
Trichlorofluoromethane	5	< 0.6	< 0.74	< 0.23	< 0.23	<0.310	<1.00	<1.00	<0.390
Acrolein	---	< 1.87	< 2.57	< 4.34	< 4.34	<1.74	<20.0	<20.0	<1.64
1,1-Dichloroethene	5	< 0.42	< 0.53	< 0.61	< 0.61	<0.360	<1.00	<1.00	<0.390
Methylene chloride	5	< 1.98	< 1.98	< 1.98	< 1.98	<1.98	<2.00	<2.00	<1.98
Acrylonitrile	---	< 1.19	< 0.74	< 0.95	< 0.95	<1.16	<20.0	<20.0	<1.40
trans-1,2-Dichloroethene	5	0.468	< 0.25	1.8	< 0.19	0.479	0.582 J	<1.00	<0.330
1,1-Dichloroethane	5	0.418	< 0.21	< 0.23	< 0.23	0.620	0.458 J	<1.00	<0.350
cis-1,2-Dichloroethene	5	6.31	0.579	3.22	< 0.2	2.21	0.657 J	1.91	1.74
Chloroform	7	< 0.29	< 0.14	< 0.17	< 0.17	<0.220	<1.00	<1.00	<0.330
1,1,1-Trichloroethane	5	< 0.43	< 0.36	< 0.23	< 0.23	<0.250	<1.00	<1.00	<0.360
Carbon tetrachloride	5	< 0.45	< 0.3	< 0.16	< 0.16	<0.280	<1.00	<1.00	<0.320
1,2-Dichloroethane (EDC)	0.6	< 0.28	< 0.19	< 0.21	< 0.21	<0.240	<1.00	<1.00	<0.340
Benzene	1	< 0.29	< 0.17	< 0.21	< 0.21	<0.290	<1.00	<1.00	<0.270
Trichloroethene	5	0.585	< 0.19	0.323	0.285	0.541	<1.00	1.29	<0.320
1,2-Dichloropropane	1	< 0.21	< 0.16	< 0.2	< 0.2	<0.280	<1.00	<1.00	<0.220
Bromodichloromethane	50	< 0.21	< 0.18	< 0.12	< 0.12	<0.250	<1.00	<1.00	<0.310
2-Chloroethyl vinyl ether	---	< 0.63	< 1.04	< 0.99	< 0.99	<0.400	<1.00	<1.00	<0.350
cis-1,3-Dichloropropene	0.4	< 0.2	< 0.24	< 0.15	< 0.15	<0.140	<1.00	<1.00	<0.210
Toluene	5	< 0.34	< 0.23	< 0.2	< 0.2	<0.300	<1.00	<1.00	<0.270
trans-1,3-Dichloropropene	0.4	< 0.13	< 0.32	< 0.27	< 0.27	<0.130	<1.00	<1.00	<0.250
1,1,2-Trichloroethane	1	< 0.36	< 0.15	< 0.15	< 0.15	<0.240	<1.00	<1.00	<0.280
Tetrachloroethene	5	< 0.38	< 0.33	< 0.19	< 0.19	<0.300	<1.00	<1.00	<0.280
Dibromochloromethane	50	< 0.25	< 0.16	< 0.16	< 0.16	<0.330	<1.00	<1.00	<0.230
Chlorobenzene	5	< 0.27	< 0.2	< 0.2	< 0.2	<0.170	<1.00	<1.00	<0.270
Ethylbenzene	5	< 0.33	< 0.27	< 0.19	< 0.19	<0.240	<1.00	<1.00	<0.220
Total Xylenes	5	< 0.98	< 0.79	< 0.44	< 0.44	<0.740	<2.00	<2.00	<0.600
Bromoform	50	< 0.3	< 0.15	< 0.14	< 0.14	<0.250	<1.00	<1.00	<0.210
1,1,2,2-Tetrachloroethane	5	< 0.14	< 0.17	< 0.12	< 0.12	<0.190	<1.00	<1.00	<0.210
1,3-Dichlorobenzene	3	< 0.32	< 0.23	< 0.17	< 0.17	<0.130	<1.00	<1.00	<0.240
1,4-Dichlorobenzene	3	< 0.28	< 0.25	< 0.16	< 0.16	<0.180	<1.00	<1.00	<0.230
1,2-Dichlorobenzene	3	< 0.28	< 0.23	< 0.15	< 0.15	<0.110	<1.00	<1.00	<0.210

Results are reported in micrograms per liter (ug/l)
Results exceeding an SCG are shaded gray
--- No applicable SCG

Table 1. Volatile Organic Compound Results for Post-Remedial Groundwater Monitoring Wells, October 2008 to July 2010, Former Kings Electronics Co., Inc. Site Tuckahoe, New York.

	Location ID	MW-13R							
	Lab Sample ID	MW-13R_E08-12330-012	MW-13_E09-00763-009	MW-13R_E09-03980-002	MW-13R_E09-07112-008	MW-13R_E09-10185-004	MW-13R_E10-00249-005	MW-13R_E10-03186-011	MW-13R_E10-06728-007
	Sample Date	10/22/2008	1/21/2009	4/21/2009	7/15/2009	10/6/2009	1/7/2010	4/7/2010	7/8/2010
Compound	SCGs								
Chloromethane	5	< 0.51	< 0.18	< 0.23	< 0.23	<0.930	<1.00	<1.00	<0.360
Vinyl chloride	2	< 0.56	2.73	0.546	< 0.26	0.673	1.09	<1.00	<0.420
Bromomethane	5	< 0.51	< 0.37	< 0.36	< 0.36	<0.950	<1.00	<1.00	<0.590
Chloroethane	5	< 0.71	< 0.64	< 0.29	< 0.29	<0.170	<1.00	<1.00	<0.410
Trichlorofluoromethane	5	< 0.6	< 0.74	< 0.23	< 0.23	<0.310	<1.00	<1.00	<0.390
Acrolein	---	< 1.87	< 2.57	< 4.34	< 4.34	<1.74	<20.0	<20.0	<1.64
1,1-Dichloroethene	5	< 0.42	< 0.53	< 0.61	< 0.61	<0.360	<1.00	<1.00	<0.390
Methylene chloride	5	< 1.98	< 1.98	< 1.98	< 1.98	<1.98	<2.00	<2.00	<1.98
Acrylonitrile	---	< 1.19	< 0.74	< 0.95	< 0.95	<1.16	<20.0	<20.0	<1.40
trans-1,2-Dichloroethene	5	< 0.45	< 0.25	< 0.19	< 0.19	<0.340	<1.00	<1.00	<0.330
1,1-Dichloroethane	5	0.61	0.86	0.792	< 0.23	1.20	0.980 J	<1.00	0.636 J
cis-1,2-Dichloroethene	5	0.647	1.85	0.853	0.721	0.668	0.941 J	<1.00	0.433 J
Chloroform	7	< 0.29	< 0.14	< 0.17	< 0.17	<0.220	<1.00	<1.00	<0.330
1,1,1-Trichloroethane	5	< 0.43	< 0.36	< 0.23	< 0.23	<0.250	<1.00	<1.00	<0.360
Carbon tetrachloride	5	< 0.45	< 0.3	< 0.16	< 0.16	<0.280	<1.00	<1.00	<0.320
1,2-Dichloroethane (EDC)	0.6	< 0.28	< 0.19	< 0.21	< 0.21	<0.240	<1.00	<1.00	<0.340
Benzene	1	< 0.29	< 0.17	< 0.21	< 0.21	<0.290	<1.00	<1.00	<0.270
Trichloroethene	5	1.62	1.62	1.18	0.862	1.08	1.22	<1.00	0.969 J
1,2-Dichloropropane	1	< 0.21	< 0.16	< 0.2	< 0.2	<0.280	<1.00	<1.00	<0.220
Bromodichloromethane	50	< 0.21	< 0.18	< 0.12	< 0.12	<0.250	<1.00	<1.00	<0.310
2-Chloroethyl vinyl ether	---	< 0.63	< 1.04	< 0.99	< 0.99	<0.400	<1.00	<1.00	<0.350
cis-1,3-Dichloropropene	0.4	< 0.2	< 0.24	< 0.15	< 0.15	<0.140	<1.00	<1.00	<0.210
Toluene	5	< 0.34	< 0.23	< 0.2	< 0.2	<0.300	<1.00	<1.00	<0.270
trans-1,3-Dichloropropene	0.4	< 0.13	< 0.32	< 0.27	< 0.27	<0.130	<1.00	<1.00	<0.250
1,1,2-Trichloroethane	1	< 0.36	< 0.15	< 0.15	< 0.15	<0.240	<1.00	<1.00	<0.280
Tetrachloroethene	5	< 0.38	< 0.33	< 0.19	< 0.19	<0.300	<1.00	<1.00	<0.280
Dibromochloromethane	50	< 0.25	< 0.16	< 0.16	< 0.16	<0.330	<1.00	<1.00	<0.230
Chlorobenzene	5	< 0.27	< 0.2	< 0.2	< 0.2	<0.170	<1.00	<1.00	<0.270
Ethylbenzene	5	< 0.33	< 0.27	< 0.19	< 0.19	<0.240	<1.00	<1.00	<0.220
Total Xylenes	5	< 0.98	< 0.79	< 0.44	< 0.44	<0.740	<2.00	<2.00	<0.600
Bromoform	50	< 0.3	< 0.15	< 0.14	< 0.14	<0.250	<1.00	<1.00	<0.210
1,1,2,2-Tetrachloroethane	5	< 0.14	< 0.17	< 0.12	< 0.12	<0.190	<1.00	<1.00	<0.210
1,3-Dichlorobenzene	3	< 0.32	< 0.23	< 0.17	< 0.17	<0.130	<1.00	<1.00	<0.240
1,4-Dichlorobenzene	3	< 0.28	< 0.25	< 0.16	< 0.16	<0.180	<1.00	<1.00	<0.230
1,2-Dichlorobenzene	3	< 0.28	< 0.23	< 0.15	< 0.15	<0.110	<1.00	<1.00	<0.210

Results are reported in micrograms per liter (ug/l)
Results exceeding an SCG are shaded gray
--- No applicable SCG

ARCADIS

Table 2. Volatile Organic Compound Results for Upgadient Groundwater Monitoring Well MW-6S, October 2008 to July 2010, Former Kings Electronics Co., Inc. Site Tuckahoe, New York.

	Location ID	MW-6S							
	Lab Sample ID	MW-6S_E08-12330-015	MW-6S_E09-00763-004	MW-6S_E09-03980-003	MW-6S_E09-07112-007	MW-6S_E09-10185-007	MW-6S_E10-00249-011	MW-6S_E10-03186-006	MW-6S_E10-06728-006
	Sample Date	10/23/2008	1/20/2009	4/21/2009	7/15/2009	10/6/2009	1/8/2010	4/6/2010	7/8/2010
Compound	SCGs								
Chloromethane	5	< 0.51	< 0.18	< 0.23	< 0.23	<0.930	<1.00	<1.00	<0.360
Vinyl chloride	2	< 0.56	< 0.46	< 0.26	< 0.26	<0.470	<1.00	<1.00	<0.420
Bromomethane	5	< 0.51	< 0.37	< 0.36	< 0.36	<0.950	<1.00	<1.00	<0.590
Chloroethane	5	< 0.71	< 0.64	< 0.29	< 0.29	<0.170	<1.00	<1.00	<0.410
Trichlorofluoromethane	5	< 0.6	< 0.74	< 0.23	< 0.23	<0.310	<1.00	<1.00	<0.390
Acrolein	---	< 1.87	< 2.57	< 4.34	< 4.34	<1.74	<20.0	<20.0	<1.64
1,1-Dichloroethene	5	< 0.42	< 0.53	< 0.61	1.55	<0.360	<1.00	<1.00	<0.390
Methylene chloride	5	< 1.98	< 1.98	< 1.98	< 1.98	<1.98	<2.00	<2.00	<1.98
Acrylonitrile	---	< 1.19	< 0.74	< 0.95	< 0.95	<1.16	<20.0	<20.0	<1.40
trans-1,2-Dichloroethene	5	< 0.45	< 0.25	< 0.19	< 0.19	<0.340	<1.00	<1.00	<0.330
1,1-Dichloroethane	5	< 0.34	0.417	0.382	< 0.23	<0.260	0.336 J	<1.00	<0.350
cis-1,2-Dichloroethene	5	< 0.32	< 0.19	< 0.2	< 0.2	<0.270	0.578 J	<1.00	<0.220
Chloroform	7	< 0.29	< 0.14	< 0.17	< 0.17	<0.220	<1.00	<1.00	<0.330
1,1,1-Trichloroethane	5	4.22	5.1	6.31	< 0.23	<0.250	<1.00	4.23	2.51
Carbon tetrachloride	5	< 0.45	< 0.3	< 0.16	< 0.16	<0.280	<1.00	<1.00	<0.320
1,2-Dichloroethane (EDC)	0.6	< 0.28	< 0.19	< 0.21	< 0.21	<0.240	<1.00	<1.00	<0.340
Benzene	1	< 0.29	< 0.17	< 0.21	< 0.21	<0.290	<1.00	<1.00	<0.270
Trichloroethene	5	24.1	43.3	33.9	37.3	18.5	40.3	25.1	16.3
1,2-Dichloropropane	1	< 0.21	< 0.16	< 0.2	< 0.2	<0.280	<1.00	<1.00	<0.220
Bromodichloromethane	50	< 0.21	< 0.18	< 0.12	< 0.12	<0.250	<1.00	<1.00	<0.310
2-Chloroethyl vinyl ether	---	< 0.63	< 1.04	< 0.99	< 0.99	<0.400	<1.00	<1.00	<0.350
cis-1,3-Dichloropropene	0.4	< 0.2	< 0.24	< 0.15	< 0.15	<0.140	<1.00	<1.00	<0.210
Toluene	5	< 0.34	< 0.23	< 0.2	< 0.2	<0.300	<1.00	<1.00	<0.270
trans-1,3-Dichloropropene	0.4	< 0.13	< 0.32	< 0.27	< 0.27	<0.130	<1.00	<1.00	<0.250
1,1,2-Trichloroethane	1	< 0.36	< 0.15	< 0.15	< 0.15	<0.240	<1.00	<1.00	<0.280
Tetrachloroethene	5	3.23	5.55	3.54	5.48	2.49	5.17	3.28	2.46
Dibromochloromethane	50	< 0.25	< 0.16	< 0.16	< 0.16	<0.330	<1.00	<1.00	<0.230
Chlorobenzene	5	< 0.27	< 0.2	< 0.2	< 0.2	<0.170	<1.00	<1.00	<0.270
Ethylbenzene	5	< 0.33	< 0.27	< 0.19	< 0.19	<0.240	<1.00	<1.00	<0.220
Total Xylenes	5	< 0.98	< 0.79	< 0.44	< 0.44	<0.740	<2.00	<2.00	<0.600
Bromoform	50	< 0.3	< 0.15	< 0.14	< 0.14	<0.250	<1.00	<1.00	<0.210
1,1,2,2-Tetrachloroethane	5	< 0.14	< 0.17	< 0.12	< 0.12	<0.190	<1.00	<1.00	<0.210
1,3-Dichlorobenzene	3	< 0.32	< 0.23	< 0.17	< 0.17	<0.130	<1.00	<1.00	<0.240
1,4-Dichlorobenzene	3	< 0.28	< 0.25	< 0.16	< 0.16	<0.180	<1.00	<1.00	<0.230
1,2-Dichlorobenzene	3	< 0.28	< 0.23	< 0.15	< 0.15	<0.110	<1.00	<1.00	<0.210

Results are reported in micrograms per liter (ug/l)
Results exceeding an SCG are shaded gray
--- No applicable SCG

Table 3. Summary of Groundwater Elevation Measurements, October 2008 to July 2010, Former Kings Electronics Co., Inc. Site, Tuckahoe, New York

Well ID	Measuring Point Elevation[1] (ft)	10/20/2008 Depth to Water (ft bmp)	10/20/2008 Groundwater Elevation[1] (ft)	1/20/2009 Depth to Water (ft bmp)	1/20/2009 Groundwater Elevation[1] (ft)	4/21/2009 Depth to Water (ft bmp)	4/21/2009 Groundwater Elevation[1] (ft)	7/15/2009 Depth to Water (ft bmp)	7/15/2009 Groundwater Elevation[1] (ft)
Shallow Overburden Wells									
MW-5S	100.00	---	---	9.36	90.64	---	---	---	---
MW-6S	102.00	12.83	89.17	10.37	91.63	11.58	90.42	10.66	91.34
MW-9S	100.20	11.49	88.71	9.23	90.97	10.45	89.75	9.53	90.67
MW-13R	97.50	14.06	83.44	12.21	85.29	13.26	84.24	12.24	85.26
GP-103R	94.40	6.81	87.59	5.67	88.73	5.22	89.18	4.88	89.52
GP-104R	94.20	6.35	87.85	4.17	90.03	5.69	88.51	4.40	89.80
PTW-1	100.00	---	---	9.74	90.26	---	---	---	---
PTW-2	99.90	11.98	87.92	9.76	90.14	10.77	89.13	10.02	89.88
Deep Overburden Wells									
MW-HP-1D	99.50	---	---	9.34	90.16	---	---	---	---
MW-6D	102.00	---	---	10.49	91.51	---	---	---	---
MW-7D	97.90	---	---	10.86	87.04	---	---	---	---
MW-HP-8D	101.10	---	---	9.77	91.33	---	---	---	---
MW-9D	100.20	11.83	88.37	9.51	90.69	10.67	89.53	9.87	90.33
Off-Site Wells									
MW-HP-2S	100.70	---	---	10.31	90.39	---	---	---	---
MW-HP-2D	100.50	---	---	10.10	90.40	---	---	---	---
OS-MW-1	98.10	---	---	14.83	83.27	---	---	---	---
OS-MW-2	98.40	---	---	11.59	86.81	---	---	---	---
OS-MW-3PL	100.60	---	---	9.83	90.77	---	---	---	---
Injection Wells									
Injection Line #1									
IW-5	101.50	---	---	9.96	91.54	---	---	---	---
IW-6	101.20	---	---	9.72	91.48	---	---	---	---
MW-HP-8S	101.00	---	---	9.49	91.51	---	---	---	---
MW-1	100.50	---	---	9.41	91.09	---	---	---	---
Injection Line #2									
MW-11	103.70	---	---	12.35	91.35	---	---	---	---
MW-10	103.70	---	---	12.35	91.35	---	---	---	---
MW-12	103.40	---	---	12.07	91.33	---	---	---	---
MW-2	100.30	---	---	8.78	91.52	---	---	---	---
Injection Line #3									
IW-8	100.20	---	---	9.27	90.93	---	---	---	---
IW-9	100.20	---	---	9.41	90.79	---	---	---	---
IW-10	99.50	---	---	8.73	90.77	---	---	---	---
IW-11	99.00	---	---	8.50	90.50	---	---	---	---
Injection Line #4									
GP-106R2	100.80	---	---	10.65	90.15	---	---	---	---
IW-1R	100.10	---	---	10.05	90.05	---	---	---	---
IW-2	99.20	---	---	9.21	89.99	---	---	---	---
IW-3	98.40	---	---	8.11	90.29	---	---	---	---
IW-4	98.40	---	---	8.32	90.08	---	---	---	---
Injection Line #5									
IW-12	93.50	---	---	3.41	90.09	---	---	---	---
IW-13	93.80	---	---	3.85	89.95	---	---	---	---
IW-14	98.50	---	---	8.74	89.76	---	---	---	---
Injection Line #6									
IW-15R	98.40	---	---	9.63	88.77	---	---	---	---
MW-7S	97.70	---	---	10.15	87.55	---	---	---	---
IW-16	97.00	---	---	9.08	87.92	---	---	---	---

[1] Elevations relative to on-site benchmark (January and December 2008 surveys)

ft bmp Feet below measuring point

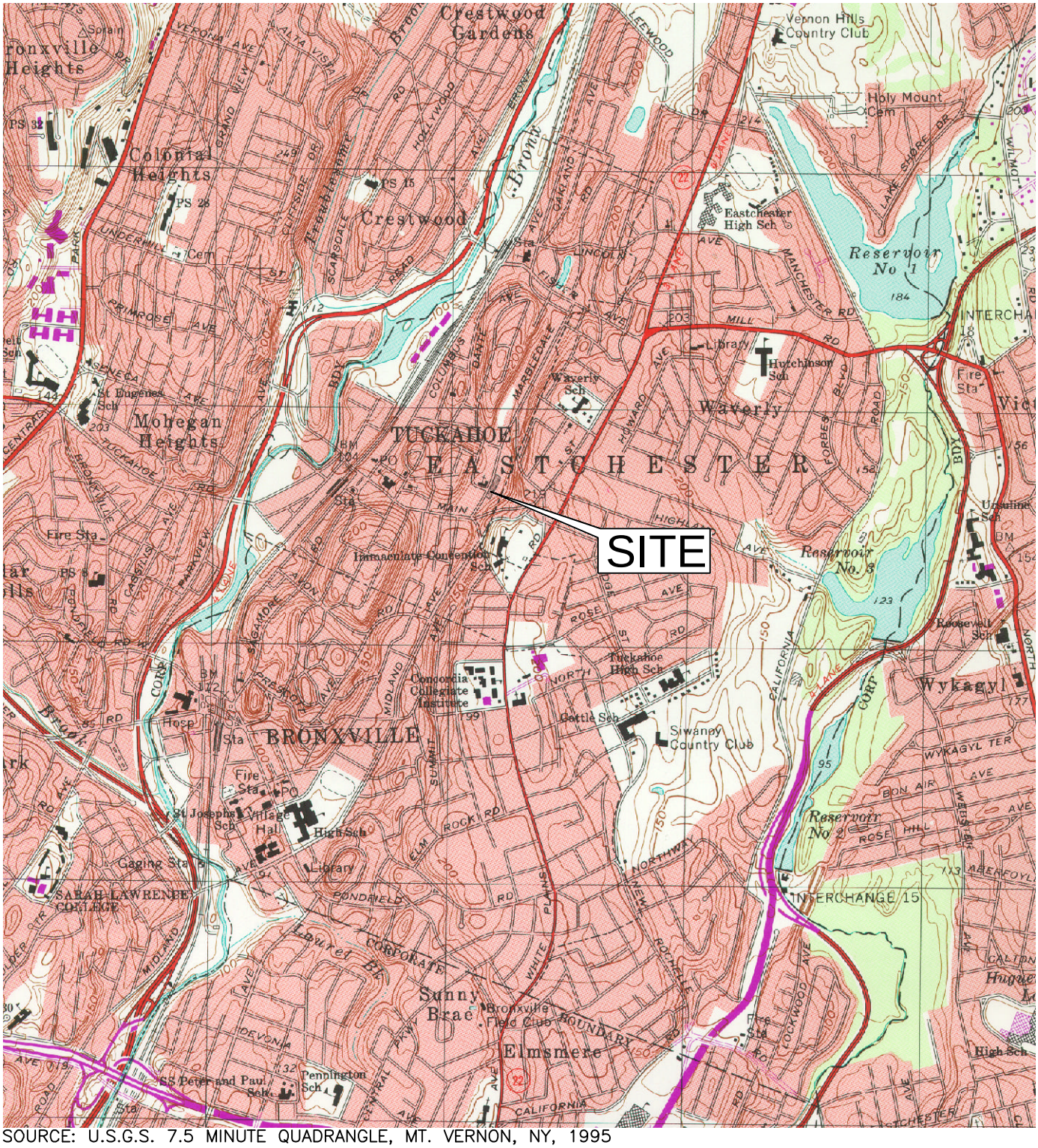
--- Not measured.

Notes: Groundwater elevations measured for accessible wells during the annual inspection and maintenance event
Groundwater elevations measured for all post-remedial monitoring wells each quarter

Table 3. Summary of Groundwater Elevation Measurements, October 2008 to July 2010, Former Kings Electronics Co., Inc. Site, Tuckahoe, New York

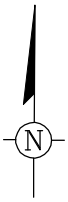
Well ID	Measuring Point Elevation[1] (ft)	10/6/2009 Depth to Water (ft bmp)	10/6/2009 Groundwater Elevation[1] (ft)	1/7/2010 Depth to Water (ft bmp)	1/7/2010 Groundwater Elevation[1] (ft)	4/6/2010 Depth to Water (ft bmp)	4/6/2010 Groundwater Elevation[1] (ft)	7/6/2010 Depth to Water (ft bmp)	7/6/2010 Groundwater Elevation[1] (ft)
Shallow Overburden Wells									
MW-5S	100.00	---	---	---	---	---	---	11.09	88.91
MW-6S	102.00	11.94	90.06	11.00	91.00	7.08	94.92	12.27	89.73
MW-9S	100.20	10.61	89.59	10.07	90.13	6.36	93.84	11.21	88.99
MW-13R	97.50	13.37	84.13	12.43	85.07	8.71	88.79	11.95	85.55
GP-103R	94.40	6.86	87.54	5.32	89.08	1.40	93.00	6.37	88.03
GP-104R	94.20	5.38	88.82	4.83	89.37	1.91	92.29	5.90	88.30
PTW-1	100.00	---	---	---	---	---	---	---	---
PTW-2	99.90	9.96	89.94	10.22	89.68	6.99	92.91	11.51	88.39
Deep Overburden Wells									
MW-HP-1D	99.50	---	---	---	---	---	---	11.09	88.41
MW-6D	102.00	---	---	---	---	---	---	12.37	89.63
MW-7D	97.90	---	---	---	---	---	---	12.45	85.45
MW-HP-8D	101.10	---	---	---	---	---	---	11.65	89.45
MW-9D	100.20	10.88	89.32	10.19	90.01	6.71	93.49	11.37	88.83
Off-Site Wells									
MW-HP-2S	100.70	---	---	---	---	---	---	11.95	88.75
MW-HP-2D	100.50	---	---	---	---	---	---	11.75	88.75
OS-MW-1	98.10	---	---	---	---	---	---	16.20	81.90
OS-MW-2	98.40	---	---	---	---	---	---	13.10	85.30
OS-MW-3PL	100.60	---	---	---	---	---	---	11.50	89.10
Injection Wells									
Injection Line #1									
IW-5	101.50	---	---	---	---	---	---	---	---
IW-6	101.20	---	---	---	---	---	---	11.58	89.62
MW-HP-8S	101.00	---	---	---	---	---	---	11.36	89.64
MW-1	100.50	---	---	---	---	---	---	11.15	89.35
Injection Line #2									
MW-11	103.70	---	---	---	---	---	---	14.23	89.47
MW-10	103.70	---	---	---	---	---	---	14.20	89.50
MW-12	103.40	---	---	---	---	---	---	13.96	89.44
MW-2	100.30	---	---	---	---	---	---	10.82	89.48
Injection Line #3									
IW-8	100.20	---	---	---	---	---	---	11.36	88.84
IW-9	100.20	---	---	---	---	---	---	11.15	89.05
IW-10	99.50	---	---	---	---	---	---	10.41	89.09
IW-11	99.00	---	---	---	---	---	---	10.28	88.72
Injection Line #4									
GP-106R2	100.80	---	---	---	---	---	---	11.70	89.10
IW-1R	100.10	---	---	---	---	---	---	12.39	87.71
IW-2	99.20	---	---	---	---	---	---	10.86	88.34
IW-3	98.40	---	---	---	---	---	---	9.90	88.50
IW-4	98.40	---	---	---	---	---	---	9.99	88.41
Injection Line #5									
IW-12	93.50	---	---	---	---	---	---	---	---
IW-13	93.80	---	---	---	---	---	---	5.60	88.20
IW-14	98.50	---	---	---	---	---	---	10.42	88.08
Injection Line #6									
IW-15R	98.40	---	---	---	---	---	---	11.67	86.73
MW-7S	97.70	---	---	---	---	---	---	11.28	86.42
IW-16	97.00	---	---	---	---	---	---	10.50	86.50

[1] Elevations relative t
ft bmp Feet below measur
--- Not measured.
Notes: Groundwater eleva
Groundwater eleva



SOURCE: U.S.G.S. 7.5 MINUTE QUADRANGLE, MT. VERNON, NY, 1995

QUADRANGLE LOCATION



GRAPHIC SCALE

FORMER KINGS ELECTRONICS SITE
TUCKAHOE, NEW YORK
FINAL POST-REMEDIAL ANNUAL REPORT AND PROJECT EVALUATION FOR ON-SITE GROUNDWATER - YEAR 2

SITE LOCATION

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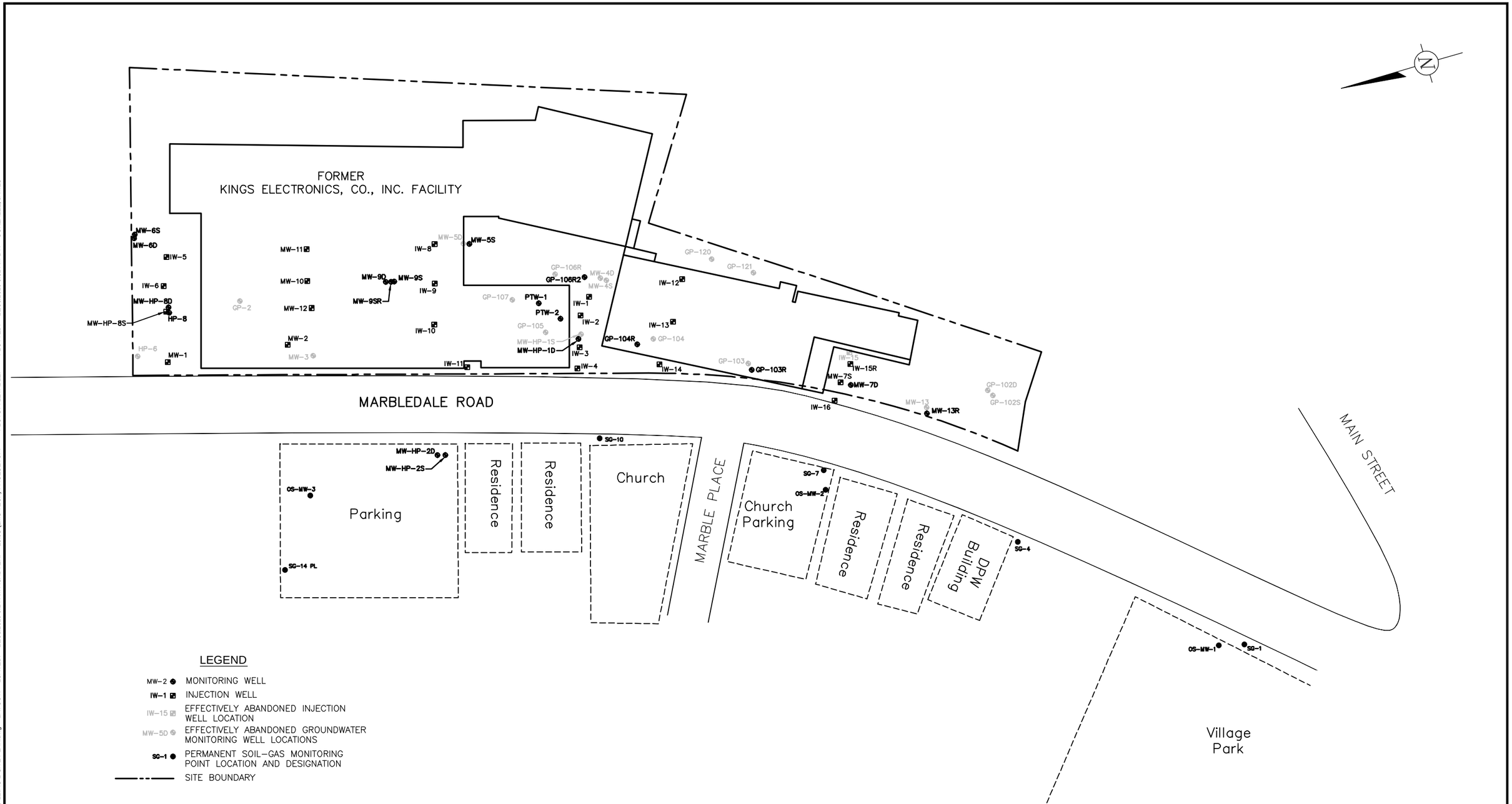
FIGURE
1



LEGEND

- MW-2 ● MONITORING WELL
- IW-1 ■ INJECTION WELL
- IW-15 ■ EFFECTIVELY ABANDONED INJECTION WELL LOCATION
- MW-5D ⊗ EFFECTIVELY ABANDONED GROUNDWATER MONITORING WELL LOCATIONS
- SG-1 ● PERMANENT SOIL-GAS MONITORING POINT LOCATION AND DESIGNATION
- SITE BOUNDARY

SOURCE(S): PARTIAL PLOT PLAN, KINGS ELECTRONICS, BY ROB IAROPOLI, L.S., MAY 23, 2001, AND JOSEPH M. PICARDI, P.L.S., SITE PLAN, JULY 23, 1978.

SITE BOUNDARY BASED ON SITE PLAN PROVIDED BY GABRIEL E. SENOR, P.C. TITLED "SURVEY OF LOT 2 AS SHOWN ON SUBDIVISION MAP PREPARED FOR KINGS ELECTRONICS CO., INC., DRAWING NO. S-1, SEPTEMBER 21, 2000".

0 60'

GRAPHIC SCALE

FORMER KINGS ELECTRONICS SITE
TUCKAHOE, NEW YORK
FINAL POST-REMEDIAL ANNUAL REPORT AND PROJECT EVALUATION FOR ON-SITE GROUNDWATER - YEAR 2

SITE PLAN

ARCADIS

FIGURE 2

MW-6S

Sample Date	10/23/2008	1/20/2009	4/21/2009	7/15/2009	10/6/2009	1/8/2010	4/6/2010	7/8/2010
VOCs (ug/L)								
1,1-Dichloroethane	ND	0.417	0.382	ND	ND	0.336 J	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.578 J	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	1.55	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	3.23	5.55	3.54	5.48	2.49	5.17	3.28	2.46
1,1,1-Trichloroethane	4.22	5.1	6.31	ND	ND	ND	4.23	2.51
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	24.1	43.3	33.9	37.3	18.5	40.3	25.1	16.3
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND

MW-9D

Sample Date	10/21/2008	1/21/2009	4/22/2009	7/15/2009	10/6/2009	1/7/2010	4/6/2010	7/8/2010
VOCs (ug/L)								
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND

PTW-2

Sample Date	10/23/2008	1/22/2009	4/21/2009	7/16/2009	10/7/2009	1/8/2010	4/6/2010	7/8/2010
VOCs (ug/L)								
1,1-Dichloroethane	0.657	1.69	1.88	0.576	1.41	3.37	ND	1.39
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.395	ND	1.31	1.76	2.19	0.510 J	ND	2.67
trans-1,2-Dichloroethene	ND	ND	0.717	ND	0.384	0.799 J	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	1.79	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	0.290 J
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	0.691 J
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	0.525	1.54	2.22	1.14	0.794 J	3.48	6.22
Vinyl Chloride	ND	ND	0.816	ND	0.632	0.658 J	1.38	0.864 J

MW-13R

Sample Date	10/22/2008	1/21/2009	4/21/2009	7/15/2009	10/6/2009	1/7/2010	4/7/2010	7/8/2010
VOCs (ug/L)								
1,1-Dichloroethane	0.61	0.86	0.877	0.552	1.2	0.980 J	ND	0.636 J
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.647	1.85	0.892	0.721	0.668	0.941 J	ND	0.433 J
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	1.62	1.62	1.21	0.862	1.08	1.22	ND	0.969 J
Vinyl Chloride	ND	2.73	0.546	ND	0.673	1.09	ND	ND

MW-9S

Sample Date	10/21/2008	1/21/2009	4/22/2009	7/15/2009	10/6/2009	1/7/2010	4/6/2010	7/8/2010
VOCs (ug/L)								
1,1-Dichloroethane	0.52	0.628	0.877	ND	0.646	0.671 J	4.16	1.11
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.668	0.64	0.657	0.564	0.687	0.518 J	6.59	0.360 J
trans-1,2-Dichloroethene	0.882	ND	1.31	ND	0.934	0.514 J	2	0.626 J
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	0.338 J	1.9	ND
Vinyl Chloride	0.861	0.852	0.757	ND	1.15	0.757 J	7.31	1.17

GP-103R

Sample Date	10/23/2008	1/22/2009	4/22/2009	7/16/2009	10/7/2009	1/8/2010	4/7/2010	7/9/2010
VOCs (ug/L)								
1,1-Dichloroethane	0.418	ND	ND	ND	0.62	0.458 J	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	6.31	0.579	3.22	ND	2.21	0.657 J	1.91	1.74
trans-1,2-Dichloroethene	0.468	ND	1.8	ND	0.479	0.582 J	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	0.585	ND	0.323	0.285	0.541	ND	1.29	ND
Vinyl Chloride	35.2	0.763	10.9	ND	5.61	1.26	3.02	10.9

GP-104R

Sample Date	10/23/2008	1/22/2009	4/22/2009	7/16/2009	10/7/2009	1/8/2010	4/7/2010	7/9/2010
VOCs (ug/L)								
1,1-Dichloroethane	0.573	1.48	0.789	ND	0.931	1.16	1.3	1.84
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.589	1.58	1.16	1.64	1.26	1.36	1.06	2.75
trans-1,2-Dichloroethene	0.459	1.19	0.759	ND	0.971	1.43	0.686 J	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	0.402	1.49	1.13	1.82	0.591	1.74	1.05	0.533 J
Vinyl Chloride	ND	0.502	ND	ND	1.48	1.04	ND	2.41

FORMER
KINGS ELECTRONICS, CO., INC. FACILITY

MARBLEDALE ROAD

MAIN STREET

MARBLE PLACE

Residence

Residence

Church

Church Parking

Residence

Residence

Building

Village Park

LEGEND

- MW-9S ● MONITORING WELL
- IW-10 ■ INJECTION WELL
- MW-5D ⊕ EFFECTIVELY ABANDONED GROUNDWATER MONITORING WELL LOCATIONS
- SG-1 ● PERMANENT SOIL-GAS MONITORING POINT LOCATION AND DESIGNATION
- CONCENTRATION EXCEEDED NYSDEC GROUNDWATER QUALITY STANDARDS
- SITE BOUNDARY

SOURCE(S):

PARTIAL PLOT PLAN, KINGS ELECTRONICS, BY ROB IAROPOLI, L.S., MAY 23, 2001, AND JOSEPH M. PICARDI, P.L.S., SITE PLAN, JULY 23, 1978.

SITE BOUNDARY BASED ON SITE PLAN PROVIDED BY GABRIEL E. SENOR, P.C. TITLED "SURVEY OF LOT 2 AS SHOWN ON SUBDIVISION MAP PREPARED FOR KINGS ELECTRONICS CO., INC., DRAWING NO. S-1, SEPTEMBER 21, 2000".

0 60'

GRAPHIC SCALE

FORMER KINGS ELECTRONICS SITE
TUCKAHOE, NEW YORK
FINAL POST-REMEDIAL ANNUAL REPORT AND PROJECT EVALUATION FOR ON-SITE GROUNDWATER - YEAR 2

SUMMARY OF CVOCs IN GROUNDWATER OCTOBER 2008 - JULY 2010

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FIGURE 3

FORMER
KINGS ELECTRONICS, CO., INC. FACILITY

MARBLEDALE ROAD

MAIN STREET

MARBLE PLACE

Parking

Residence

Residence

Residence

Church

Church
Parking

Building

Village
Park

(89.73) MW-6S
MW-6D
IW-5
IW-6 (89.62)
MW-HP-8D
HP-8
MW-HP-8S (89.64)
HP-6
MW-1 (89.35)
GP-2
MW-11 (89.47)
MW-10 (89.50)
MW-12 (89.44)
MW-2 (89.48)
MW-3
(88.84) IW-8
MW-5D
(88.91) MW-5S
(88.99) MW-9D
MW-9S
(89.05) IW-9
MW-9SR
IW-10 (89.09)
IW-11
GP-107
PTW-1
(88.39) PTW-2
GP-105
MW-HP-1S
MW-HP-1D
GP-106R
(89.10) GP-106R2
MW-4D
MW-4S
IW-1 (87.71)
IW-2 (88.34)
IW-3 (88.50)
IW-4 (88.41)
IW-14 (88.08)
MW-14
GP-120
GP-121
IW-12
(88.20) IW-13
(88.30) GP-104R
GP-104
GP-103
GP-103R (88.03)
IW-15
(86.42) MW-7S
MW-7D
IW-15R (86.73)
IW-16 (86.50)
GP-102D
GP-102S
MW-13
MW-13R (85.55)
SG-10
MW-HP-2D
MW-HP-2S (88.75)
(89.10) OS-MW-3
SG-14 PL
SG-7
OS-MW-2 (85.30)
SG-1
OS-MW-1 (81.90)

89 88 87 86 85 84 83 82

LEGEND

- MW-9S ● MONITORING WELL
- IW-10 ■ INJECTION WELL
- MW-5D ⊕ EFFECTIVELY ABANDONED GROUNDWATER MONITORING WELL LOCATIONS
- SG-1 ● PERMANENT SOIL-GAS MONITORING POINT LOCATION AND DESIGNATION
- 82 GROUNDWATER ELEVATION CONTOUR
- (89.10) GROUNDWATER ELEVATION ABOVE MEAN SEA LEVEL
- GROUNDWATER FLOW DIRECTION
- SITE BOUNDARY

SOURCE(S): PARTIAL PLOT PLAN, KINGS ELECTRONICS, BY ROB IAROPOLI, L.S., MAY 23, 2001, AND JOSEPH M. PICARDI, P.L.S., SITE PLAN, JULY 23, 1978.

SITE BOUNDARY BASED ON SITE PLAN PROVIDED BY GABRIEL E. SENOR, P.C. TITLED "SURVEY OF LOT 2 AS SHOWN ON SUBDIVISION MAP PREPARED FOR KINGS ELECTRONICS CO., INC., DRAWING NO. S-1, SEPTEMBER 21, 2000".

0 60'
GRAPHIC SCALE

FORMER KINGS ELECTRONICS SITE
TUCKAHOE, NEW YORK
FINAL POST-REMEDIAL ANNUAL REPORT AND PROJECT EVALUATION FOR ON-SITE GROUNDWATER - YEAR 2

GROUNDWATER CONTOUR MAP JULY 2010 - SHALLOW OVERBURDEN

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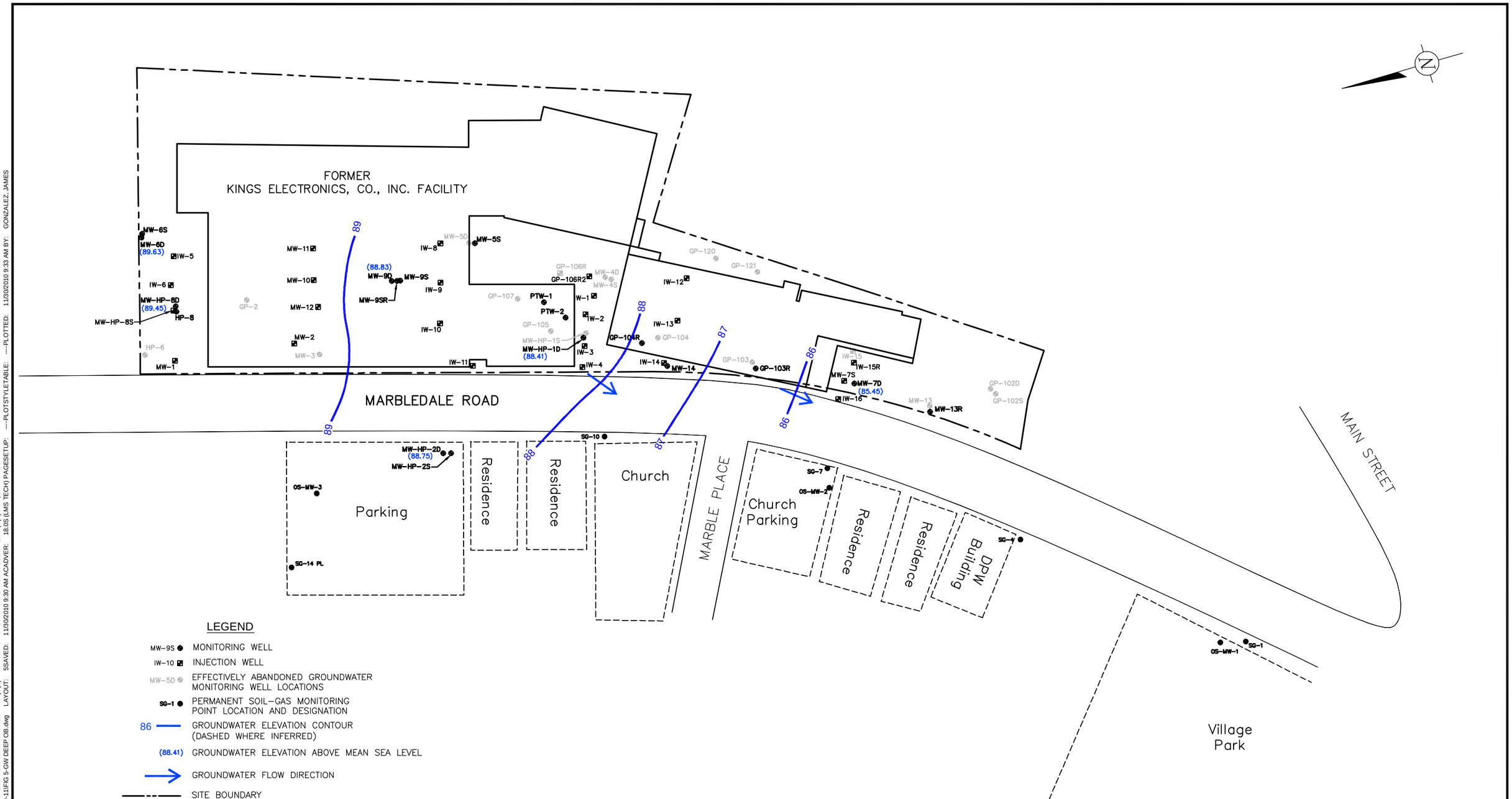
FIGURE 4



LEGEND

- MW-9S ● MONITORING WELL
- IW-10 ■ INJECTION WELL
- MW-5D ⊗ EFFECTIVELY ABANDONED GROUNDWATER MONITORING WELL LOCATIONS
- SG-1 ● PERMANENT SOIL-GAS MONITORING POINT LOCATION AND DESIGNATION
- 86 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (88.41) GROUNDWATER ELEVATION ABOVE MEAN SEA LEVEL
- GROUNDWATER FLOW DIRECTION
- SITE BOUNDARY

SOURCE(S): PARTIAL PLOT PLAN, KINGS ELECTRONICS, BY ROB IAROPOLI, L.S., MAY 23, 2001, AND JOSEPH M. PICARDI, P.L.S., SITE PLAN, JULY 23, 1978.

SITE BOUNDARY BASED ON SITE PLAN PROVIDED BY GABRIEL E. SENOR, P.C. TITLED "SURVEY OF LOT 2 AS SHOWN ON SUBDIVISION MAP PREPARED FOR KINGS ELECTRONICS CO., INC., DRAWING NO. S-1, SEPTEMBER 21, 2000".

0 60'

GRAPHIC SCALE

FORMER KINGS ELECTRONICS SITE
TUCKAHOE, NEW YORK
FINAL POST-REMEDIAL ANNUAL REPORT AND PROJECT EVALUATION FOR ON-SITE GROUNDWATER - YEAR 2

GROUNDWATER CONTOUR MAP JULY 2010 - DEEP OVERBURDEN

ARCADIS

FIGURE 5

CITY:MAHWAH DIV/GROUP:ENVCAD DB:J. GONZALEZ LD:E. RODRIGUEZ PIC:(Opt) PM: M. MOHIUDDIN TM: E. RODRIGUEZ LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Mahwah\ACTNJ\000423\0005\60001\2010-11\FIG 5-GW DEEP OB.dwg LAYOUT: SSAVED: 11/30/2010 9:33 AM BY: GONZALEZ, JAMES
XREFS: IMAGES: PROJECTNAME: ----
423503X1 contour5_REV1.jpg
XBDR-C1LB

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Appendix A

Groundwater Sampling Forms

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Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-6S
Date	10/6/2009	**Sampled By**	D. Kirschner		
Sampling Time	11:14	**Recorded By**	D. Kirschner		
Weather	Sun, 60's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Lamotte 2020 Pine # 14015, YSI 600XL Pine # 8979 SN# 08G101421

Casing Material	PVC	**Purge Method**	Low Flow Monsoon Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top**	10.0'	**Bottom**	20.0'
Sounded Depth (ft bmp)	19.41	**Pump Intake Depth (ft bmp)**		18.0'		
Depth to Water (ft bmp)	11.94	**Purge Time**	**Start**	10:37	**Finish**	11:16

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
10:42	5	300	0.40	17.29	6.68	1.014	139.5	5.91	153.0	11.98
10:47	10	300	0.79	17.53	6.65	1.056	147.4	5.77	65.3	11.99
10:52	15	300	1.19	17.53	6.64	1.057	151.2	5.79	16.4	11.99
10:57	20	300	1.58	17.54	6.64	1.058	151.9	5.76	6.30	11.99
11:02	25	300	1.98	17.54	6.64	1.071	153.1	5.75	1.73	11.99
11:07	30	300	2.38	17.54	6.63	1.080	155.2	5.75	1.95	11.99
11:12	35	300	2.77	17.56	6.63	1.089	157.9	5.75	1.93	11.99

Collected Sample Condition Color Clear **Odor** No Odor **Appearance** Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments Total volumes purged: 2.8 gallons

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-9SR
Date	10/6/2009	**Sampled By**	V. Myers		
Sampling Time	12:05	**Recorded By**	V. Myers		
Weather	Indoors	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Lamotte 2020e Pine # 07540, SN-ME-10465 YSI 650 XLM Pine # 5655/8979 SN# OPG10142

Casing Material	PVC	**Purge Method**	Low Flow Monsoon Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top**	10.0'	**Bottom**	20.0'
Sounded Depth (ft bmp)	19.91	**Pump Intake Depth (ft bmp)**		18.0'		
Depth to Water (ft bmp)	10.61	**Purge Time**	**Start**	11:23	**Finish**	12:08

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
11:28	5	200	0.26	16.42	6.86	1.476	-133.0	0.49	3.18	10.67
11:33	10	200	0.53	16.66	6.87	1.476	-136.7	0.53	2.96	10.67
11:38	15	200	0.79	16.91	6.87	1.472	-135.8	0.56	4.14	10.67
11:43	20	200	1.06	17.06	6.86	1.471	-133.9	0.56	4.32	10.67
11:48	25	200	1.32	17.10	6.82	1.447	-129.4	0.55	3.23	10.67
11:53	30	200	1.58	17.14	6.77	1.422	-126.5	0.75	2.09	10.67
11:58	35	200	1.85	17.13	6.73	1.403	-123.5	0.65	1.61	10.67
12:03	40	200	2.11	17.23	6.72	1.400	-122.6	0.62	1.46	10.67

Collected Sample Condition **Color** Clear **Odor** No Odor **Appearance** Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments Total volumes purged: 2.11 gallons

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-9D
Date	10/6/2009	**Sampled By**	V. Myers		
Sampling Time	10:59	**Recorded By**	V. Myers		
Weather	Indoors	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Lamotte 2020e Pine # 07540, SN-ME-10465 YSI 650 XLM Pine # 5655/8979 SN# OPG10142

Casing Material	PVC	**Purge Method**	Low Flow Monsoon Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top**	30.0'	**Bottom**	40.0'
Sounded Depth (ft bmp)	39.00	**Pump Intake Depth (ft bmp)**		35.0'		
Depth to Water (ft bmp)	10.88	**Purge Time**	**Start**	10:22	**Finish**	11:01

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
10:27	5	200	0.26	15.43	6.67	1.193	-82.9	0.88	1.67	10.98
10:32	10	200	0.53	15.51	6.66	1.195	-87.4	0.39	1.70	10.98
10:37	15	200	0.79	15.53	6.66	1.193	-90.3	0.37	1.80	10.98
10:42	20	200	1.06	15.37	6.65	1.184	-93.2	0.35	2.60	10.98
10:47	25	200	1.32	15.37	6.65	1.184	-94.8	0.36	2.18	10.98
10:52	30	200	1.58	15.43	6.65	1.182	-96.1	0.37	1.98	10.98
10:57	35	200	1.85	15.41	6.65	1.181	-96.2	0.37	1.94	10.98

Collected Sample Condition **Color** Clear **Odor** No Odor **Appearance** Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments Total volumes purged: 1.85 gallons

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-13R
Date	10/6/2009	**Sampled By**	D. Kirschner		
Sampling Time	12:43	**Recorded By**	D. Kirschner		
Weather	Sun, 60's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Lamotte 2020 Pine # 14015, YSI 600XL Pine # 8979 SN# 08G101421

Casing Material	PVC	**Purge Method**	Low Flow Monsoon Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top**	9.5'	**Bottom**	19.5'
Sounded Depth (ft bmp)	19.57	**Pump Intake Depth (ft bmp)**		17.5'		
Depth to Water (ft bmp)	13.37	**Purge Time**	**Start**	12:11	**Finish**	12:50

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
12:16	5	200	0.26	18.51	6.48	2.063	159.8	0.83	27.1	13.40
12:21	10	200	0.53	18.27	6.47	1.998	167.3	0.61	9.5	13.40
12:26	15	200	0.79	18.24	6.48	1.971	168.0	0.56	4.37	13.40
12:31	20	200	1.06	18.23	6.48	1.940	166.0	0.52	2.12	13.40
12:36	25	200	1.32	18.20	6.48	1.932	165.3	0.51	1.39	13.40
12:41	30	200	1.58	18.06	6.48	1.915	163.6	0.49	1.10	13.40

Collected Sample Condition **Color** Clear **Odor** No Odor **Appearance** Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments Total volumes purged: 1.60 gallons

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	PTW-2
Date	10/7/2009	**Sampled By**	V. Myers		
Sampling Time	12:02	**Recorded By**	V. Myers		
Weather	Indoors	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Lamotte 2020e Pine # 07540, SN-ME-10465 YSI 650 XLM Pine # 5655/8979 SN# OPG10142

Casing Material	PVC	**Purge Method**	Low Flow Monsoon Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top**	7.0'	**Bottom**	17.0'
Sounded Depth (ft bmp)	16.52	**Pump Intake Depth (ft bmp)**		15.0'		
Depth to Water (ft bmp)	9.96	**Purge Time**	**Start**	11:30	**Finish**	12:10

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
11:35	5	200	0.26	17.29	6.65	0.948	-75.9	0.47	11.5	9.98
11:40	10	200	0.53	17.22	6.62	0.984	-83.1	0.51	6.81	9.98
11:45	15	200	0.79	17.29	6.60	1.001	-89.4	0.53	4.61	9.98
11:50	20	200	1.06	17.29	6.60	1.007	-92.4	0.54	3.48	9.98
11:55	25	200	1.32	17.29	6.59	1.015	-96.1	0.55	2.21	9.98
12:00	30	200	1.58	17.39	6.59	1.021	-96.8	0.57	2.15	9.98

Collected Sample Condition **Color** Clear/ Tan **Odor** Slight Odor **Appearance** Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments Total volumes purged: 1.60 gallons

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	GP-103R
Date	10/7/2009	Sampled By	V. Myers/ D. Kirschner		
Sampling Time	9:42	Recorded By	V. Myers/ D. Kirschner		
Weather	Indoors	Coded Replicate No.	None		

Instrument Identification

Water Quality Meter(s): Lamotte 2020e Pine # 07540, SN-ME-10465 YSI 650 XLM Pine # 5655/8979 SN# OPG10142

Casing Material	PVC	Purge Method	Low Flow Monsoon Pump			
Casing Diameter	2.0"	Screen Interval (ft bmp)	Top	5.0'	Bottom	15.0'
Sounded Depth (ft bmp)	14.84	Pump Intake Depth (ft bmp)		13.0'		
Depth to Water (ft bmp)	6.86	Purge Time	Start	9:05	Finish	9:50

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
9:10	5	200	0.26	14.98	6.95	1.213	-112.0	0.40	44.1	5.98
9:15	10	200	0.53	15.05	6.95	1.205	123.7	0.41	32.6	5.98
9:20	15	200	0.79	15.10	6.94	1.176	-125.4	0.42	24.7	5.98
9:25	20	200	1.06	15.13	6.91	1.156	-123.4	0.44	22.7	5.98
9:30	25	200	1.32	15.13	6.89	1.154	-122.7	0.44	15.5	5.98
9:35	30	200	1.58	15.19	6.88	1.154	-123.4	0.45	12.3	5.98
9:40	35	200	1.85	15.19	6.88	1.149	-123.0	0.45	12.1	5.98

Collected Sample Condition — Color: Clear — Odor: Slight Odor — Appearance: Clear slight color

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments: Total volumes purged: 1.85 gallons

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Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	GP-104R
Date	10/7/2009	**Sampled By**	V. Myers/ D. Kirschner		
Sampling Time	10:32	**Recorded By**	V. Myers/ D. Kirschner		
Weather	Indoors	**Coded Replicate No.**	DUP(100709)		

Instrument Identification

Water Quality Meter(s) Lamotte 2020e Pine # 07540, SN-ME-10465 YSI 650 XLM Pine # 5655/8979 SN# OPG10142

Casing Material	PVC	**Purge Method**	Low Flow Monsoon Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top**	5.0'	**Bottom**	15.0'
Sounded Depth (ft bmp)	14.90	**Pump Intake Depth (ft bmp)**		13.0'		
Depth to Water (ft bmp)	5.38	**Purge Time**	**Start**	9:55	**Finish**	10:35

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
10:00	5	200	0.26	16.88	6.98	1.370	-82.2	0.59	352.00	5.37
10:05	10	200	0.53	17.32	6.97	1.387	-39.9	0.64	317.00	5.37
10:10	15	200	0.79	17.18	6.91	1.304	-25.9	0.57	53.00	5.37
10:15	20	200	1.06	17.14	6.89	1.266	-113.5	0.47	23.00	5.37
10:20	25	200	1.32	17.16	6.89	1.264	-116.1	0.45	14.00	5.37
10:25	30	200	1.58	17.11	6.90	1.264	-119.8	0.42	7.31	5.37
10:30	35	200	1.85	17.12	6.90	1.262	-121.0	0.42	6.49	5.37

Collected Sample Condition **Color** Slightly Orange **Odor** No Odor **Appearance** Clear slight color

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments Total volumes purged: 1.85 gallons

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Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-6S
Date	1/8/2010	**Sampled By**	C. Cifelli/D. Kirschner		
Sampling Time	13:47	**Recorded By**	C. Cifelli		
Weather	Cloudy, 30s	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) YSI 556 MPS

Casing Material	PVC	**Purge Method**	Low Flow Monsoon Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top** 10.0'	**Bottom**	20.0'	
Sounded Depth (ft bmp)	19.35	**Pump Intake Depth (ft bmp)**	18.0'			
Depth to Water (ft bmp)	10.95	**Purge Time**	**Start** 1309	**Finish**	1348	

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1314	5	350	0.5	13.57	7.00	0.786	12.6	6.99	154.0	10.96
1319	10	350	0.9	13.16	7.07	0.799	36.4	6.05	60.0	10.96
1324	15	350	1.4	14.37	6.93	0.816	47.7	6.40	29.0	10.96
1329	20	350	1.8	14.40	6.92	0.854	53.1	6.25	27.2	10.96
1334	25	350	2.3	14.13	6.91	0.874	59.4	6.22	0.91	10.96
1339	30	350	2.8	14.45	6.92	0.882	66.1	6.29	0.89	10.96
1344	35	350	3.2	14.32	6.92	0.884	71.0	6.25	0.85	10.96

Collected Sample Condition **Color** clear **Odor** none **Appearance** ok

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

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Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	MW-9SR
Date	1/7/2010	Sampled By	C. Cifelli/D. Kirschner		
Sampling Time	12:25	Recorded By	C. Cifelli		
Weather	Sunny, 30s	Coded Replicate No.	None		

Instrument Identification

Water Quality Meter(s): YSI 600 XL

Casing Material	PVC	Purge Method	Low Flow Monsoon Pump			
Casing Diameter	2.0"	Screen Interval (ft bmp)	Top	10.0'	Bottom	20.0'
Sounded Depth (ft bmp)	18.76	Pump Intake Depth (ft bmp)		17.0'		
Depth to Water (ft bmp)	10.07	Purge Time	Start	1150	Finish	1225

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1155	5	300	0.4	16.98	7.03	1.345	-94.7	0.86	35	10.08
1200	10	300	0.8	17.34	6.87	1.327	-111.6	0.23	25	10.08
1205	15	300	1.2	17.43	6.81	1.311	-122.0	0.14	0.0	10.08
1210	20	300	1.6	17.45	6.79	1.301	-119.4	0.12	0.0	10.08
1215	25	300	2.0	17.49	6.77	1.296	-115.6	0.13	0.0	10.08
1220	30	300	2.4	17.50	6.76	1.296	-117.5	0.14	0.0	10.08

Collected Sample Condition — Color: clear — Odor: slight — Appearance: ok

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

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Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	MW-9D
Date	1/7/2010	Sampled By	D. Kirschner/C. Cifelli		
Sampling Time	13:07	Recorded By	D. Kirschner/C. Cifelli		
Weather	Sunny, 30s	Coded Replicate No.	None		

Instrument Identification

Water Quality Meter(s): YSI 600 XL

Casing Material	PVC	Purge Method	Low Flow Monsoon Pump			
Casing Diameter	2.0"	Screen Interval (ft bmp)	Top	30.0'	Bottom	40.0'
Sounded Depth (ft bmp)	39.11	Pump Intake Depth (ft bmp)		35.0'		
Depth to Water (ft bmp)	10.14	Purge Time	Start	1230	Finish	1310

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1235	5	200	0.3	15.74	6.66	1.153	-93.8	0.18	0.25	10.24
1240	10	200	0.5	15.72	6.67	1.152	-96.7	0.07	0.00	10.24
1245	15	200	0.8	15.73	6.67	1.157	-97.7	0.07	0.00	10.24
1250	20	200	1.1	15.92	6.64	1.156	-83.4	1.12	0.00	10.22
1255	25	200	1.3	15.85	6.67	1.153	-95.9	0.09	0.00	10.22
1300	30	200	1.6	15.77	6.67	1.150	-98.5	0.08	0.00	10.24
1305	35	200	1.8	15.60	6.67	1.148	-99.5	0.07	0.00	10.24

Collected Sample Condition — Color: light grey — Odor: no — Appearance: clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

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Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	MW-13R
Date	1/7/2010	Sampled By	D. Kirschner/C. Cifelli		
Sampling Time	11:40	Recorded By	C. Cifelli		
Weather	Sunny, 30s	Coded Replicate No.	DUP(010710)		

Instrument Identification

Water Quality Meter(s): YSI 600 XL

Casing Material	PVC	Purge Method	Low Flow Monsoon Pump			
Casing Diameter	2.0"	Screen Interval (ft bmp)	Top	9.5'	Bottom	19.5'
Sounded Depth (ft bmp)	19.52	Pump Intake Depth (ft bmp)		17.5'		
Depth to Water (ft bmp)	12.54	Purge Time	Start	1050	Finish	1142

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1100	10	200	0.5	11.82	6.81	2.158	114.0	1.46	150	12.45
1105	15	200	0.8	13.34	6.73	2.193	121.2	1.08	23	12.44
1110	20	200	1.1	13.50	6.74	2.191	125.1	1.03	9.9	12.45
1115	25	200	1.3	14.37	6.74	2.236	127.6	0.91	7.7	12.45
1120	30	200	1.6	13.92	6.73	2.218	129.8	0.83	5.0	12.45
1125	35	200	1.8	12.60	6.73	2.165	130.5	0.86	3.6	12.45
1130	40	200	2.1	11.17	6.71	2.074	130.5	0.78	3.7	12.45
1135	45	200	2.4	13.30	6.71	2.209	131.8	0.71	3.6	12.45

Collected Sample Condition — Color: clear — Odor: none — Appearance: ok

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	PTW-2
Date	1/8/2010	**Sampled By**	C. Cifelli/D. Kirschner		
Sampling Time	10:56	**Recorded By**	C. Cifelli		
Weather	Cloudy, 30s	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) YSI 556MPS

Casing Material	PVC	**Purge Method**	Low Flow Monsoon Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top**	7.0'	**Bottom**	17.0'
Sounded Depth (ft bmp)	16.52	**Pump Intake Depth (ft bmp)**		15.0'		
Depth to Water (ft bmp)	10.37	**Purge Time**	**Start**	1008	**Finish**	1058

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1013	5	350	0.5	17.25	6.78	1.134	-51.7	1.63	50	10.42
1018	10	350	0.9	17.55	6.80	1.146	-103.5	0.90	25	10.42
1023	15	350	1.4	17.62	6.76	1.160	-122.7	0.72	8.5	10.42
1028	20	350	1.8	17.65	6.76	1.160	-108.2	0.50	3.5	10.42
1033	25	350	2.3	17.67	6.76	1.155	-128.6	0.44	1.4	10.42
1038	30	350	2.8	17.70	6.77	1.155	-90.2	0.42	0.0	10.42
1043	35	350	3.2	17.68	6.77	1.162	-109.0	0.38	0.0	10.42
1048	40	350	3.7	17.69	6.75	1.160	-118.0	0.35	0.0	10.42
1053	45	350	4.2	17.69	6.89	1.164	-117.5	0.31	0.0	10.42

Collected Sample Condition **Color** clear **Odor** none **Appearance** ok

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	GP-103R
Date	1/8/2010	**Sampled By**	D. Kirschner/C. Cifelli		
Sampling Time	12:10	**Recorded By**	D. Kirschner/C. Cifelli		
Weather	Cloudy, 30s	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) YSI 556 MPS

Casing Material	PVC	**Purge Method**	Low Flow Monsoon Pump			
Casing Diameter	8"	**Screen Interval (ft bmp)**	**Top** 5.0'	**Bottom** 15.0'		
Sounded Depth (ft bmp)	14.87	**Pump Intake Depth (ft bmp)**	13.0'			
Depth to Water (ft bmp)	5.23	**Purge Time**	**Start** 1128	**Finish** 1212		

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1133	5	300	0.4	15.83	7.06	1.199	-92.7	3.05	70	5.30
1138	10	300	0.8	15.98	7.07	1.225	-100.2	2.45	65	5.30
1143	15	300	1.2	16.08	7.07	1.234	-113.2	2.13	40	5.30
1148	20	300	1.6	16.11	7.07	1.235	-118.8	1.58	15	5.29
1153	25	300	2.0	15.98	7.06	1.231	-96.3	1.23	40	5.29
1158	30	300	2.4	15.86	7.06	1.227	-93.3	1.09	39	5.30
1203	35	300	2.8	16.15	7.06	1.232	-101.4	0.98	38	5.31
1208	40	300	3.2	16.43	7.07	1.237	-105.1	0.89	38	5.30

Collected Sample Condition **Color** very light green **Odor** slight decay **Appearance** ok

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	GP-104R
Date	1/8/2010	Sampled By	D. Kirschner/C. Cifelli		
Sampling Time	12:47	Recorded By	D. Kirschner/C. Cifelli		
Weather	Cloudy, 30s	Coded Replicate No.	None		

Instrument Identification

Water Quality Meter(s): YSI 556 MPS

Casing Material	PVC	Purge Method	Low Flow Monsoon Pump			
Casing Diameter	2.0"	Screen Interval (ft bmp)	Top	5.0'	Bottom	15.0'
Sounded Depth (ft bmp)	14.92	Pump Intake Depth (ft bmp)		13.0'		
Depth to Water (ft bmp)	4.83	Purge Time	Start	1215	Finish	1249

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
1220	5	400	0.5	16.94	7.22	0.934	-44.5	1.70	120	4.93
1225	10	400	1.1	17.03	7.15	1.007	-75.9	0.30	42	4.91
1230	15	400	1.6	17.05	7.11	1.096	-101.3	0.21	25	4.91
1235	20	400	2.1	17.05	7.10	1.109	-106.6	0.20	10	4.91
1240	25	400	2.6	17.05	7.10	1.110	-108.3	0.20	11	4.91
1245	30	400	3.2	17.06	7.10	1.115	-115.7	0.20	4.59	4.91

Collected Sample Condition — Color: clear — Odor: none — Appearance: ok

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

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Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-6S
Date	4/6/2010	**Sampled By**	V. Myers		
Sampling Time	11:46	**Recorded By**	V. Myers		
Weather	Sun 70's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) YSI 600XL SN 04JL6000AF, La Motte 2020 SN 26856

Casing Material	PVC	**Purge Method**	Low Flow Monsoon Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top**	10.0'	**Bottom**	20.0'
Sounded Depth (ft bmp)	19.32	**Pump Intake Depth (ft bmp)**		18.0'		
Depth to Water (ft bmp)	7.08	**Purge Time**	**Start**	11:15	**Finish**	11:50

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
11:20	5	350	0.46	13.17	---	0.742	56.4	12.56	7.61	7.19
11:25	10	350	0.92	13.1	---	0.981	73.2	10.32	5.0	7.19
11:30	15	350	1.39	13.23	6.72	1.067	85.0	9.79	3.2	7.19
11:35	20	350	1.85	13.22	6.62	1.110	90.1	9.03	3.27	7.19
11:40	25	350	2.31	13.33	6.66	1.120	90.5	8.95	2.36	7.19
11:45	30	350	2.77	13.13	6.66	1.127	97.2	9.06	2.13	7.19

--- Instrument/recording error.

Collected Sample Condition **Color** Clear **Odor** No Odor **Appearance** Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	MW-9SR
Date	4/6/2010	Sampled By	C. Laprus		
Sampling Time	10:53	Recorded By	C. Laprus		
Weather	Indoors	Coded Replicate No.	None		

Instrument Identification

Water Quality Meter(s): YSI 600XL SN 04JL6000AF, La Motte 2020 03313

Casing Material	PVC	Purge Method	Low Flow Monsoon Pump			
Casing Diameter	2.0"	Screen Interval (ft bmp)	Top	10.0'	Bottom	20.0'
Sounded Depth (ft bmp)	19.94	Pump Intake Depth (ft bmp)		17.0'		
Depth to Water (ft bmp)	6.36	Purge Time	Start	9:26	Finish	10:03

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
9:31	5	250	0.33	16.81	6.80	1.03	11.9	3.13	*	6.39
9:36	10	250	0.66	16.85	6.80	1.037	11.9	2.50	*	6.39
9:41	15	250	0.99	16.86	6.82	1.034	-41.9	1.74	*	6.39
9:46	20	250	1.32	26.79	6.81	1.043	-49.9	1.10	*	6.39
9:51	25	250	1.65	16.78	6.82	1.047	-59.9	0.64	*	6.39
9:56	30	250	1.98	16.74	6.82	1.047	-62.3	0.62	*	6.39
10:01	35	250	2.31	16.75	6.82	1.045	-64.4	0.60	*	6.39

Collected Sample Condition: Color: Clear; Odor: No Odor; Appearance: Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments: * LaMotte turbidity meter is not working correctly calibrated and instrument is still malfunctioning.

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	MW-9D
Date	4/6/2010	Sampled By	C. Laprus		
Sampling Time	10:52	Recorded By	C. Laprus		
Weather	Indoors	Coded Replicate No.	None		

Instrument Identification

Water Quality Meter(s): YSI 600XL SN 04JL6000AF, La Motte 2020 03313

Casing Material	PVC	Purge Method	Low Flow Monsoon Pump			
Casing Diameter	2.0"	Screen Interval (ft bmp)	Top	30.0'	Bottom	40.0'
Sounded Depth (ft bmp)	39.01	Pump Intake Depth (ft bmp)		35.0'		
Depth to Water (ft bmp)	6.71	Purge Time	Start	10:20	Finish	10:53

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
10:25	5	250	0.33	15.78	6.92	1.099	-74.6	0.35	*	6.73
10:30	10	250	0.66	15.78	6.93	1.100	-89.0	0.26	*	6.74
10:35	15	250	0.99	15.69	6.93	1.100	-97.6	0.21	*	6.74
10:40	20	250	1.32	15.68	6.93	1.100	-99.9	0.19	*	6.74
10:45	25	250	1.65	15.65	6.93	1.101	-102.5	0.18	*	6.74
10:50	30	250	1.98	15.63	6.93	1.101	-103.6	0.18	*	6.74

Collected Sample Condition — Color: Clear — Odor: No Odor — Appearance: Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments: * LaMotte turbidity meter is not working correctly calibrated and instrument is still malfunctioning.

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-13R
Date	4/7/2010	**Sampled By**	C. Laprus		
Sampling Time	10:12	**Recorded By**	C. Laprus		
Weather	80's,Sun	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) YSI 600XL SN 04JL6000AF, La Motte 2020 03313

Casing Material	PVC	**Purge Method**	Low Flow Monsoon Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top**	9.5'	**Bottom**	19.5'
Sounded Depth (ft bmp)	19.49	**Pump Intake Depth (ft bmp)**		17.0'		
Depth to Water (ft bmp)	8.75	**Purge Time**	**Start**	9:40	**Finish**	10:17

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
9:45	5	200	0.26	13.58	6.70	1.79	115.8	2.61	*	8.79
9:50	10	200	0.53	13.99	6.70	1.724	114.2	2.27	*	8.78
9:55	15	200	0.79	14.16	6.71	1.703	113.6	2.24	*	8.78
10:00	25	200	1.32	14.39	6.69	1.702	113.8	2.15	*	8.78
10:05	30	200	1.58	14.24	6.68	1.681	114.2	2.14	*	8.78
10:10	35	200	1.85	14.28	6.67	1.679	114.7	2.16	*	8.78

Collected Sample Condition **Color** Clear **Odor** No Odor **Appearance** Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments * LaMotte turbidity meter is not working correctly calibrated and instrument is still malfunctioning.

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	PTW-2
Date	4/6/2010	Sampled By	V. Myers		
Sampling Time	10:36	Recorded By	V. Myers		
Weather	Indoors	Coded Replicate No.	Dup(040610)		

Instrument Identification

Water Quality Meter(s): YSI 600XL SN 04JL6000AF, La Motte 2020 SN 26856

Casing Material	PVC	Purge Method	Low Flow Monsoon Pump			
Casing Diameter	2.0"	Screen Interval (ft bmp)	Top	7.0'	Bottom	17.0'
Sounded Depth (ft bmp)	16.42	Pump Intake Depth (ft bmp)		15.0'		
Depth to Water (ft bmp)	6.99	Purge Time	Start	10:05	Finish	10:39

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
10:10	5	350	0.46	16.24	6.70	1.465	-88.4	1.20	100.0	7.02
10:15	10	350	0.92	16.00	6.59	1.422	-63.9	0.57	15.70	7.03
10:20	15	350	1.39	16.00	6.54	1.386	-52.4	0.51	7.65	7.03
10:25	20	350	1.85	16.05	6.56	1.376	-53.3	0.55	5.44	7.03
10:30	25	350	2.31	16.06	6.55	1.375	-52.8	0.55	4.96	7.03
10:35	30	350	2.77	16.17	6.55	1.373	-51.3	0.53	4.27	7.03

Collected Sample Condition: Color: Clear; Odor: No Odor; Appearance: Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	GP-103R
Date	4/7/2010	Sampled By	V. Myers		
Sampling Time	10:06	Recorded By	V. Myers		
Weather	Indoors	Coded Replicate No.	None		

Instrument Identification

Water Quality Meter(s): YSI 600XL SN 04JL6000AF, La Motte 2020 SN 26856

Casing Material	PVC	Purge Method	Low Flow Monsoon Pump			
Casing Diameter	2"	Screen Interval (ft bmp)	Top	5.0'	Bottom	15.0'
Sounded Depth (ft bmp)	14.87	Pump Intake Depth (ft bmp)		13.0'		
Depth to Water (ft bmp)	1.96	Purge Time	Start	9:35	Finish	10:10

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
9:40	5	300	0.40	15.56	7.09	1.197	-148.0	0.34	14.8	2.00
9:45	10	300	0.79	15.55	6.98	1.2o2	-142.0	0.27	23.7	2.00
9:50	15	300	1.19	15.56	6.96	1.206	-139.7	0.25	15.1	2.20
9:55	20	300	1.58	15.56	6.94	1.206	-140.4	0.20	5.07	2.20
10:00	25	300	1.98	15.60	6.92	1.207	-136.5	0.21	3.01	2.20
10:05	30	300	2.38	15.59	6.92	1.207	-135.1	0.19	2.75	2.20

Collected Sample Condition — Color: Clear — Odor: No Odor — Appearance: Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	GP-104R
Date	4/7/2010	Sampled By	V. Myers		
Sampling Time	10:57	Recorded By	V. Myers		
Weather	Indoors	Coded Replicate No.	None		

Instrument Identification

Water Quality Meter(s): YSI 600XL SN 04JL6000AF, La Motte 2020 SN 26856

Casing Material	PVC	Purge Method	Low Flow Monsoon Pump			
Casing Diameter	2.0"	Screen Interval (ft bmp)	Top	5.0'	Bottom	15.0'
Sounded Depth (ft bmp)	14.91	Pump Intake Depth (ft bmp)		13.0'		
Depth to Water (ft bmp)	1.42	Purge Time	Start	10:25	Finish	10:59

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
10:30	5	400	0.53	14.29	6.83	1.308	49.0	0.43	61.1	1.60
10:35	10	400	1.06	14.25	6.82	1.282	-75.6	0.46	29.9	1.60
10:40	15	400	1.58	14.27	6.81	1.251	-98.4	0.22	15.1	1.60
10:45	20	400	2.11	14.32	6.81	1.242	-102.7	0.18	10.33	1.60
10:50	25	400	2.64	14.35	6.80	1.231	-106.6	0.18	6.22	1.60
10:55	30	400	3.17	14.36	6.80	1.225	-107.7	0.16	7.95	1.60

Collected Sample Condition — Color: Clear — Odor: No Odor — Appearance: Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-6S
Date	7/8/2010	**Sampled By**	V. Myers		
Sampling Time	11:57	**Recorded By**	V. Myers		
Weather	90's, Cloudy	**Coded Replicate No.**	DUP(070810)		

Instrument Identification

Water Quality Meter(s) YSI 600XL SN 3158-1602, La Motte 2020 SN 2912-5101

Casing Material	PVC	**Purge Method**	Bladder Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top**	10.0'	**Bottom**	20.0'
Sounded Depth (ft bmp)	19.3	**Pump Intake Depth (ft bmp)**		18.0'		
Depth to Water (ft bmp)	12.32	**Purge Time**	**Start**	11:20	**Finish**	12:02

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
11:25	5	200	0.26	19.06	6.42	1.152	119.3	8.42	10.56	12.32
11:30	10	200	0.53	18.15	6.30	1.145	133.7	8.04	6.8	12.32
11:35	15	200	0.79	18.15	6.23	1.173	142.1	7.45	3.1	12.32
11:40	20	200	1.06	17.43	6.13	1.219	147.9	7.14	2.72	12.32
11:45	25	200	1.32	17.31	6.07	1.279	153	6.91	1.19	12.32
11:50	30	200	1.58	17.7	6.06	1.31	154.6	6.77	1.76	12.32
11:55	35	200	1.9	18.56	6.08	1.345	154.6	6.46	1.34	12.32

Collected Sample Condition **Color** Clear **Odor** Clear **Appearance** Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-9SR
Date	7/8/2010	**Sampled By**	D. Kirschner		
Sampling Time	14:11	**Recorded By**	D. Kirschner		
Weather	90's, cloudy	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) YSI 600XL SN 01E0374AC, La Motte 2020 ME 10465

Casing Material	PVC	**Purge Method**	Bladder Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top**	10.0'	**Bottom**	20.0'
Sounded Depth (ft bmp)	18.65	**Pump Intake Depth (ft bmp)**		17.0'		
Depth to Water (ft bmp)	11.25	**Purge Time**	**Start**	13:34	**Finish**	14:15

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
13:39	5	200	0.26	16.64	6.71	1.346	-103.4	0.69	40	11.25
13:44	10	200	0.53	16.85	6.71	1.314	-104.9	0.42	15	11.25
13:49	15	200	0.79	17.00	6.72	1.273	-109.3	0.28	6.1	11.25
13:54	20	200	1.06	17.14	6.72	1.259	-109.9	0.25	3.1	11.25
13:59	25	200	1.32	17.13	6.72	1.244	-113	0.19	3	11.25
14:04	30	200	1.58	17.11	6.72	1.244	-112.4	0.18	2.7	11.25
14:09	35	200	1.85	17.14	6.72	1.248	-110.3	0.19	3	11.25

Collected Sample Condition **Color** Clear **Odor** Clear **Appearance** Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	MW-9D
Date	7/8/2010	Sampled By	D. Kirschner		
Sampling Time	12:07	Recorded By	D. Kirschner		
Weather	90's, cloudy	Coded Replicate No.	None		

Instrument Identification

Water Quality Meter(s): YSI 600XL SN 01E0374AC, La Motte ME10465

Casing Material	PVC	Purge Method	Bladder Pump			
Casing Diameter	2.0"	Screen Interval (ft bmp)	Top	30.0'	Bottom	40.0'
Sounded Depth (ft bmp)	38.73	Pump Intake Depth (ft bmp)		35.0'		
Depth to Water (ft bmp)	11.37	Purge Time	Start	11:35	Finish	12:10

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
11:40	5	200	0.26	16.1	6.62	1.349	-82.1	1.31	28	11.4
11:45	10	200	0.53	16.31	6.62	1.367	-79.4	0.96	11	11.46
11:50	15	200	0.79	15.98	6.61	1.359	-64.2	0.72	7.3	11.46
11:55	20	200	1.06	15.96	6.61	1.361	-63.2	0.70	4	11.46
12:00	25	200	1.32	15.98	6.61	1.368	-61.1	0.71	0.93	11.47
12:05	30	200	1.58	16.01	6.62	1.372	-61.5	0.70	1.04	11.47

Collected Sample Condition — Color: Clear — Odor: Clear — Appearance: Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-13R
Date	7/8/2010	**Sampled By**	V. Myers		
Sampling Time	10:32	**Recorded By**	V. Myers		
Weather	90's, cloudy	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) YSI 600XL SN 3158-1602, La Motte 2912-5101

Casing Material	PVC	**Purge Method**	Bladder Pump			
Casing Diameter	2.0"	**Screen Interval (ft bmp)**	**Top**	9.5'	**Bottom**	19.5'
Sounded Depth (ft bmp)	19.5	**Pump Intake Depth (ft bmp)**		17.0'		
Depth to Water (ft bmp)	13.65	**Purge Time**	**Start**	9:50	**Finish**	10:36

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
9:55	5	200	0.26	19.1	6.24	1.660	69.4	1.60	10.03	13.67
10:00	10	200	0.53	17.13	6.18	1.635	81.6	1.09	12.9	13.67
10:05	15	200	0.79	16.61	6.11	1.652	89.4	0.86	9.39	13.67
10:10	25	200	1.32	17.92	6.12	1.685	98.3	0.66	12.9	13.67
10:15	30	200	1.58	17.68	6.10	1.682	110.9	0.65	7.72	13.67
10:20	35	200	1.85	17.89	6.09	1.675	118.2	0.62	10.99	13.67
10:25	40	200	2.1	17.57	6.09	1.672	121.5	0.64	11.64	13.67
10:30	45	200	2.4	17.62	6.07	1.675	123.6	0.64	10.97	13.67

Collected Sample Condition **Color** Clear **Odor** Clear **Appearance** Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	PTW-2
Date	7/8/2010	Sampled By	V. Myers		
Sampling Time	14:12	Recorded By	V. Myers		
Weather	90's, cloudy	Coded Replicate No.	None		

Instrument Identification

Water Quality Meter(s): YSI 600XL SN 3158-1602, La Motte 2020 SN 2912-5101

Casing Material	PVC	Purge Method	Bladder Pump			
Casing Diameter	2.0"	Screen Interval (ft bmp)	Top	7.0'	Bottom	17.0'
Sounded Depth (ft bmp)	16.5	Pump Intake Depth (ft bmp)		15.0'		
Depth to Water (ft bmp)	11.51	Purge Time	Start	13:40	Finish	14:15

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
13:45	5	200	0.26	18.18	6.49	0.991	-24.9	1.93	1.54	11.50
13:50	10	200	0.53	19.14	6.37	1.023	-20.4	0.07	1.90	11.50
13:55	15	200	0.79	19.76	6.39	1.037	-12.2	0.22	1.97	11.50
14:00	20	200	1.06	20.35	6.39	1.052	-11.4	0.44	1.39	11.50
14:05	25	200	1.32	21.50	6.41	1.081	-20.44	0.49	1.27	11.50
14:10	30	200	1.58	20.70	6.42	1.088	-30	0.48	1.24	11.50

Collected Sample Condition — Color: Clear — Odor: Clear — Appearance: Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	GP-103R
Date	7/9/2010	Sampled By	V. Myers		
Sampling Time	9:17	Recorded By	V. Myers		
Weather	90's, cloudy	Coded Replicate No.	None		

Instrument Identification

Water Quality Meter(s): YSI 600XL SN 3158-1602, La Motte 2020 SN 2912-5101

Casing Material	PVC	Purge Method	Bladder Pump			
Casing Diameter	2"	Screen Interval (ft bmp)	Top	5.0'	Bottom	15.0'
Sounded Depth (ft bmp)	14.84	Pump Intake Depth (ft bmp)		13.0'		
Depth to Water (ft bmp)	6.41	Purge Time	Start	8:40	Finish	9:20

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
8:45	5	200	0.26	15.51	6.71	1.137	-98.6	1.02	17.6	15.40
8:50	10	200	0.53	15.66	6.64	1.141	-98.0	1.07	9.25	15.40
8:55	15	200	0.79	15.52	6.64	1.138	-99.1	0.39	6.71	15.40
9:00	20	200	1.06	15.3	6.65	1.131	-100.8	0.51	4.15	15.40
9:05	25	200	1.32	15.22	6.66	1.139	-101.2	0.62	2.92	15.40
9:10	30	200	1.58	14.92	6.66	1.133	-99.9	0.64	3.27	15.40
9:15	35	200	1.85	15.23	6.68	1.142	-101.5	0.68	2.93	15.40

Collected Sample Condition — Color: Clear — Odor: Clear — Appearance: Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS
Infrastructure, environment, buildings

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	Site Location	Tuckahoe, NY	Well ID	GP-104R
Date	7/9/2010	Sampled By	D. Kirschner		
Sampling Time	9:18	Recorded By	D. Kirschner		
Weather	90's, cloudy	Coded Replicate No.	None		

Instrument Identification

Water Quality Meter(s): YSI 600XL SN 01E0374AC, La Motte 2020 SN ME10465

Casing Material	PVC	Purge Method	Bladder Pump			
Casing Diameter	2.0"	Screen Interval (ft bmp)	Top	5.0'	Bottom	15.0'
Sounded Depth (ft bmp)	14.91	Pump Intake Depth (ft bmp)		13.0'		
Depth to Water (ft bmp)	5.94	Purge Time	Start	8:41	Finish	9:20

Field Parameter Measurements During Purging

Time	Minutes Elasped	Flow Rate (mL/min)	Volume Purged (gal)	Temp (°C)	pH (s.u.)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Depth to Water (ft bmp)
8:46	5	200	0.26	15.4	6.72	1.561	-50.0	0.90	210	0.90
8:51	10	200	0.53	15.17	6.72	1.497	-61.7	0.64	80	0.64
8:56	15	200	0.79	15.24	6.72	1.397	-80.6	0.46	31	0.46
9:01	20	200	1.06	15.25	6.73	1.341	-88.4	0.41	21	0.41
9:06	25	200	1.32	15.2	6.73	1.304	-92.4	0.40	10	0.40
9:11	30	200	1.58	15.21	6.73	1.300	-93.5	0.39	9	0.39
9:16	35	200	1.85	15.23	6.73	1.297	-96.4	0.39	8	0.39

Collected Sample Condition — Color: Clear — Odor: Clear — Appearance: Clear

Parameter	Container	No.	Preservative
VOCs	Glass Vials	2	HCL

Comments

ARCADIS

Appendix B

Laboratory Data Packages

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Arcadis Geraghty & Miller
1 International Blvd.
Suite 406
Mahwah, NJ 07495

Project Name: **KINGS ELECTRONICS - VENDOR #1168636**
IAL Case Number: **E10-00249**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

IAL Case No.

E10-00249

Client Arcadis Geraghty & Miller

Project KINGS ELECTRONICS - VENDOR #1168636

Received On 1/ 8/2009@17:21

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
00249-001	FB(010710)	n/a	1/ 7/2010@13:30	Aqueous	2
00249-002	FB(010810)	n/a	1/ 8/2010@08:55	Aqueous	2
00249-003	MW-9D	n/a	1/ 7/2010@13:07	Aqueous	2
00249-004	MW-9S	n/a	1/ 7/2010@12:25	Aqueous	2
00249-005	MW-13R	n/a	1/ 7/2010@11:40	Aqueous	2
00249-006	DUP(010710)	n/a	1/ 7/2010	Aqueous	2
00249-007	GP-104R	n/a	1/ 8/2010@12:47	Aqueous	2
00249-008	GP-103R	n/a	1/ 8/2010@12:10	Aqueous	2
00249-009	PTW-2	n/a	1/ 8/2010@10:56	Aqueous	2
00249-010	TB(010810)	n/a	1/ 8/2010	Aqueous	2
00249-011	MW-6S	n/a	1/ 8/2010@13:47	Aqueous	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates the concentration was reported below the RL but above the MDL. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

RL - Reporting Limit.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

Q - Qualifier

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received eleven (11) aqueous sample(s) from Arcadis Geraghty & Miller (Project: KINGS ELECTRONICS - VENDOR #1168636) on January 8, 2009 for the analysis of:

(11) PP VOA + Cis 1,2-DCE

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

1/25/10
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E10-00249

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E09 - 249

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		na
b. System Performance Check Compounds		na
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		na
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		na
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

1/15/10
Date

rev 01/09

SUMMARY REPORT
Client: Arcadis Geraghty & Miller
Project: KINGS ELECTRONICS - VENDOR #1168636
Lab Case No.: E10-00249

	Lab ID:	00249-001			00249-002			00249-003			00249-004		
	Client ID:	FB(010710)			FB(010810)			MW-9D			MW-9S		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	1/7/10			1/8/10			1/7/10			1/7/10		
PARAMETER(Units)		Conc	Q	RL	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		ND		1.00	ND		1.00	ND		1.00	0.757	J	1.00
trans-1,2-Dichloroethene		ND		1.00	ND		1.00	ND		1.00	0.514	J	1.00
1,1-Dichloroethane		ND		1.00	ND		1.00	ND		1.00	0.671	J	1.00
cis-1,2-Dichloroethene		ND		1.00	ND		1.00	ND		1.00	0.518	J	1.00
Trichloroethene		ND		1.00	ND		1.00	ND		1.00	0.338	J	1.00
TOTAL VO's:		ND			ND			ND			2.80	J	

	Lab ID:	00249-005			00249-006			00249-007			00249-008		
	Client ID:	MW-13R			DUP(010710)			GP-104R			GP-103R		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	1/7/10			1/7/10			1/8/10			1/8/10		
PARAMETER(Units)		Conc	Q	RL	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		1.09		1.00	1.32		1.00	1.04		1.00	1.26		1.00
trans-1,2-Dichloroethene		ND		1.00	ND		1.00	1.43		1.00	0.582	J	1.00
1,1-Dichloroethane		0.980	J	1.00	1.03		1.00	1.16		1.00	0.458	J	1.00
cis-1,2-Dichloroethene		0.941	J	1.00	0.958	J	1.00	1.36		1.00	0.657	J	1.00
Trichloroethene		1.22		1.00	1.37		1.00	1.74		1.00	ND		1.00
TOTAL VO's:		4.23	J		4.68	J		6.73			2.96	J	

	Lab ID:	00249-009			00249-010			00249-011		
	Client ID:	PTW-2			TB(010810)			MW-6S		
	Matrix:	Aqueous			Aqueous			Aqueous		
	Sampled Date	1/8/10			1/8/10			1/8/10		
PARAMETER(Units)		Conc	Q	RL	Conc	Q	RL	Conc	Q	RL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		0.658	J	1.00	ND		1.00	ND		1.00
trans-1,2-Dichloroethene		0.799	J	1.00	ND		1.00	ND		1.00
1,1-Dichloroethane		3.37		1.00	ND		1.00	0.336	J	1.00
cis-1,2-Dichloroethene		0.510	J	1.00	ND		1.00	0.578	J	1.00
Trichloroethene		0.794	J	1.00	ND		1.00	40.3		1.00
Tetrachloroethene		ND		1.00	ND		1.00	5.17		1.00
TOTAL VO's:		6.13	J		ND			46.4	J	

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00249-001
Client ID: FB(010710)
Date Received: 01/08/2009
Date Analyzed: 01/15/2010
Data file: L2726.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.930
Vinyl chloride	ND		1.00	0.470
Bromomethane	ND		1.00	0.950
Chloroethane	ND		1.00	0.170
Trichlorofluoromethane	ND		1.00	0.310
Acrolein	ND		20.0	1.74
1,1-Dichloroethene	ND		1.00	0.360
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.16
trans-1,2-Dichloroethene	ND		1.00	0.340
1,1-Dichloroethane	ND		1.00	0.260
cis-1,2-Dichloroethene	ND		1.00	0.270
Chloroform	ND		1.00	0.220
1,1,1-Trichloroethane	ND		1.00	0.250
Carbon tetrachloride	ND		1.00	0.280
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	ND		1.00	0.310
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.400
cis-1,3-Dichloropropene	ND		1.00	0.140
Toluene	ND		1.00	0.300
trans-1,3-Dichloropropene	ND		1.00	0.130
1,1,2-Trichloroethane	ND		1.00	0.240
Tetrachloroethene	ND		1.00	0.300
Dibromochloromethane	ND		1.00	0.330
Chlorobenzene	ND		1.00	0.170
Ethylbenzene	ND		1.00	0.240
Total Xylenes	ND		2.00	0.740
Bromoform	ND		1.00	0.250
1,1,2,2-Tetrachloroethane	ND		1.00	0.190
1,3-Dichlorobenzene	ND		1.00	0.130
1,4-Dichlorobenzene	ND		1.00	0.180
1,2-Dichlorobenzene	ND		1.00	0.110

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00249-002
Client ID: FB(010810)
Date Received: 01/08/2009
Date Analyzed: 01/15/2010
Data file: L2727.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.930
Vinyl chloride	ND		1.00	0.470
Bromomethane	ND		1.00	0.950
Chloroethane	ND		1.00	0.170
Trichlorofluoromethane	ND		1.00	0.310
Acrolein	ND		20.0	1.74
1,1-Dichloroethene	ND		1.00	0.360
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.16
trans-1,2-Dichloroethene	ND		1.00	0.340
1,1-Dichloroethane	ND		1.00	0.260
cis-1,2-Dichloroethene	ND		1.00	0.270
Chloroform	ND		1.00	0.220
1,1,1-Trichloroethane	ND		1.00	0.250
Carbon tetrachloride	ND		1.00	0.280
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	ND		1.00	0.310
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.400
cis-1,3-Dichloropropene	ND		1.00	0.140
Toluene	ND		1.00	0.300
trans-1,3-Dichloropropene	ND		1.00	0.130
1,1,2-Trichloroethane	ND		1.00	0.240
Tetrachloroethene	ND		1.00	0.300
Dibromochloromethane	ND		1.00	0.330
Chlorobenzene	ND		1.00	0.170
Ethylbenzene	ND		1.00	0.240
Total Xylenes	ND		2.00	0.740
Bromoform	ND		1.00	0.250
1,1,2,2-Tetrachloroethane	ND		1.00	0.190
1,3-Dichlorobenzene	ND		1.00	0.130
1,4-Dichlorobenzene	ND		1.00	0.180
1,2-Dichlorobenzene	ND		1.00	0.110

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00249-003
Client ID: MW-9D
Date Received: 01/08/2009
Date Analyzed: 01/15/2010
Data file: L2732.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.930
Vinyl chloride	ND		1.00	0.470
Bromomethane	ND		1.00	0.950
Chloroethane	ND		1.00	0.170
Trichlorofluoromethane	ND		1.00	0.310
Acrolein	ND		20.0	1.74
1,1-Dichloroethene	ND		1.00	0.360
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.16
trans-1,2-Dichloroethene	ND		1.00	0.340
1,1-Dichloroethane	ND		1.00	0.260
cis-1,2-Dichloroethene	ND		1.00	0.270
Chloroform	ND		1.00	0.220
1,1,1-Trichloroethane	ND		1.00	0.250
Carbon tetrachloride	ND		1.00	0.280
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	ND		1.00	0.310
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.400
cis-1,3-Dichloropropene	ND		1.00	0.140
Toluene	ND		1.00	0.300
trans-1,3-Dichloropropene	ND		1.00	0.130
1,1,2-Trichloroethane	ND		1.00	0.240
Tetrachloroethene	ND		1.00	0.300
Dibromochloromethane	ND		1.00	0.330
Chlorobenzene	ND		1.00	0.170
Ethylbenzene	ND		1.00	0.240
Total Xylenes	ND		2.00	0.740
Bromoform	ND		1.00	0.250
1,1,2,2-Tetrachloroethane	ND		1.00	0.190
1,3-Dichlorobenzene	ND		1.00	0.130
1,4-Dichlorobenzene	ND		1.00	0.180
1,2-Dichlorobenzene	ND		1.00	0.110

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00249-004
Client ID: MW-9S
Date Received: 01/08/2009
Date Analyzed: 01/15/2010
Data file: L2733.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.930
Vinyl chloride	0.757	J	1.00	0.470
Bromomethane	ND		1.00	0.950
Chloroethane	ND		1.00	0.170
Trichlorofluoromethane	ND		1.00	0.310
Acrolein	ND		20.0	1.74
1,1-Dichloroethene	ND		1.00	0.360
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.16
trans-1,2-Dichloroethene	0.514	J	1.00	0.340
1,1-Dichloroethane	0.671	J	1.00	0.260
cis-1,2-Dichloroethene	0.518	J	1.00	0.270
Chloroform	ND		1.00	0.220
1,1,1-Trichloroethane	ND		1.00	0.250
Carbon tetrachloride	ND		1.00	0.280
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	0.338	J	1.00	0.310
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.400
cis-1,3-Dichloropropene	ND		1.00	0.140
Toluene	ND		1.00	0.300
trans-1,3-Dichloropropene	ND		1.00	0.130
1,1,2-Trichloroethane	ND		1.00	0.240
Tetrachloroethene	ND		1.00	0.300
Dibromochloromethane	ND		1.00	0.330
Chlorobenzene	ND		1.00	0.170
Ethylbenzene	ND		1.00	0.240
Total Xylenes	ND		2.00	0.740
Bromoform	ND		1.00	0.250
1,1,2,2-Tetrachloroethane	ND		1.00	0.190
1,3-Dichlorobenzene	ND		1.00	0.130
1,4-Dichlorobenzene	ND		1.00	0.180
1,2-Dichlorobenzene	ND		1.00	0.110
Total Target Compounds:	2.80	J		

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00249-005
Client ID: MW-13R
Date Received: 01/08/2009
Date Analyzed: 01/15/2010
Data file: L2734.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.930
Vinyl chloride	1.09		1.00	0.470
Bromomethane	ND		1.00	0.950
Chloroethane	ND		1.00	0.170
Trichlorofluoromethane	ND		1.00	0.310
Acrolein	ND		20.0	1.74
1,1-Dichloroethene	ND		1.00	0.360
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.16
trans-1,2-Dichloroethene	ND		1.00	0.340
1,1-Dichloroethane	0.980	J	1.00	0.260
cis-1,2-Dichloroethene	0.941	J	1.00	0.270
Chloroform	ND		1.00	0.220
1,1,1-Trichloroethane	ND		1.00	0.250
Carbon tetrachloride	ND		1.00	0.280
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	1.22		1.00	0.310
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.400
cis-1,3-Dichloropropene	ND		1.00	0.140
Toluene	ND		1.00	0.300
trans-1,3-Dichloropropene	ND		1.00	0.130
1,1,2-Trichloroethane	ND		1.00	0.240
Tetrachloroethene	ND		1.00	0.300
Dibromochloromethane	ND		1.00	0.330
Chlorobenzene	ND		1.00	0.170
Ethylbenzene	ND		1.00	0.240
Total Xylenes	ND		2.00	0.740
Bromoform	ND		1.00	0.250
1,1,2,2-Tetrachloroethane	ND		1.00	0.190
1,3-Dichlorobenzene	ND		1.00	0.130
1,4-Dichlorobenzene	ND		1.00	0.180
1,2-Dichlorobenzene	ND		1.00	0.110
Total Target Compounds:	4.23	J		

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00249-006
Client ID: DUP(010710)
Date Received: 01/08/2009
Date Analyzed: 01/15/2010
Data file: L2735.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.930
Vinyl chloride	1.32		1.00	0.470
Bromomethane	ND		1.00	0.950
Chloroethane	ND		1.00	0.170
Trichlorofluoromethane	ND		1.00	0.310
Acrolein	ND		20.0	1.74
1,1-Dichloroethene	ND		1.00	0.360
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.16
trans-1,2-Dichloroethene	ND		1.00	0.340
1,1-Dichloroethane	1.03		1.00	0.260
cis-1,2-Dichloroethene	0.958	J	1.00	0.270
Chloroform	ND		1.00	0.220
1,1,1-Trichloroethane	ND		1.00	0.250
Carbon tetrachloride	ND		1.00	0.280
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	1.37		1.00	0.310
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.400
cis-1,3-Dichloropropene	ND		1.00	0.140
Toluene	ND		1.00	0.300
trans-1,3-Dichloropropene	ND		1.00	0.130
1,1,2-Trichloroethane	ND		1.00	0.240
Tetrachloroethene	ND		1.00	0.300
Dibromochloromethane	ND		1.00	0.330
Chlorobenzene	ND		1.00	0.170
Ethylbenzene	ND		1.00	0.240
Total Xylenes	ND		2.00	0.740
Bromoform	ND		1.00	0.250
1,1,2,2-Tetrachloroethane	ND		1.00	0.190
1,3-Dichlorobenzene	ND		1.00	0.130
1,4-Dichlorobenzene	ND		1.00	0.180
1,2-Dichlorobenzene	ND		1.00	0.110
Total Target Compounds:	4.68	J		

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00249-007
Client ID: GP-104R
Date Received: 01/08/2009
Date Analyzed: 01/15/2010
Data file: L2736.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.930
Vinyl chloride	1.04		1.00	0.470
Bromomethane	ND		1.00	0.950
Chloroethane	ND		1.00	0.170
Trichlorofluoromethane	ND		1.00	0.310
Acrolein	ND		20.0	1.74
1,1-Dichloroethene	ND		1.00	0.360
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.16
trans-1,2-Dichloroethene	1.43		1.00	0.340
1,1-Dichloroethane	1.16		1.00	0.260
cis-1,2-Dichloroethene	1.36		1.00	0.270
Chloroform	ND		1.00	0.220
1,1,1-Trichloroethane	ND		1.00	0.250
Carbon tetrachloride	ND		1.00	0.280
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	1.74		1.00	0.310
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.400
cis-1,3-Dichloropropene	ND		1.00	0.140
Toluene	ND		1.00	0.300
trans-1,3-Dichloropropene	ND		1.00	0.130
1,1,2-Trichloroethane	ND		1.00	0.240
Tetrachloroethene	ND		1.00	0.300
Dibromochloromethane	ND		1.00	0.330
Chlorobenzene	ND		1.00	0.170
Ethylbenzene	ND		1.00	0.240
Total Xylenes	ND		2.00	0.740
Bromoform	ND		1.00	0.250
1,1,2,2-Tetrachloroethane	ND		1.00	0.190
1,3-Dichlorobenzene	ND		1.00	0.130
1,4-Dichlorobenzene	ND		1.00	0.180
1,2-Dichlorobenzene	ND		1.00	0.110

Total Target Compounds: 6.73

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00249-008
Client ID: GP-103R
Date Received: 01/08/2009
Date Analyzed: 01/15/2010
Data file: L2737.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.930
Vinyl chloride	1.26		1.00	0.470
Bromomethane	ND		1.00	0.950
Chloroethane	ND		1.00	0.170
Trichlorofluoromethane	ND		1.00	0.310
Acrolein	ND		20.0	1.74
1,1-Dichloroethene	ND		1.00	0.360
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.16
trans-1,2-Dichloroethene	0.582	J	1.00	0.340
1,1-Dichloroethane	0.458	J	1.00	0.260
cis-1,2-Dichloroethene	0.657	J	1.00	0.270
Chloroform	ND		1.00	0.220
1,1,1-Trichloroethane	ND		1.00	0.250
Carbon tetrachloride	ND		1.00	0.280
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	ND		1.00	0.310
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.400
cis-1,3-Dichloropropene	ND		1.00	0.140
Toluene	ND		1.00	0.300
trans-1,3-Dichloropropene	ND		1.00	0.130
1,1,2-Trichloroethane	ND		1.00	0.240
Tetrachloroethene	ND		1.00	0.300
Dibromochloromethane	ND		1.00	0.330
Chlorobenzene	ND		1.00	0.170
Ethylbenzene	ND		1.00	0.240
Total Xylenes	ND		2.00	0.740
Bromoform	ND		1.00	0.250
1,1,2,2-Tetrachloroethane	ND		1.00	0.190
1,3-Dichlorobenzene	ND		1.00	0.130
1,4-Dichlorobenzene	ND		1.00	0.180
1,2-Dichlorobenzene	ND		1.00	0.110
Total Target Compounds:	2.96	J		

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00249-009
Client ID: PTW-2
Date Received: 01/08/2009
Date Analyzed: 01/15/2010
Data file: L2738.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.930
Vinyl chloride	0.658	J	1.00	0.470
Bromomethane	ND		1.00	0.950
Chloroethane	ND		1.00	0.170
Trichlorofluoromethane	ND		1.00	0.310
Acrolein	ND		20.0	1.74
1,1-Dichloroethene	ND		1.00	0.360
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.16
trans-1,2-Dichloroethene	0.799	J	1.00	0.340
1,1-Dichloroethane	3.37		1.00	0.260
cis-1,2-Dichloroethene	0.510	J	1.00	0.270
Chloroform	ND		1.00	0.220
1,1,1-Trichloroethane	ND		1.00	0.250
Carbon tetrachloride	ND		1.00	0.280
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	0.794	J	1.00	0.310
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.400
cis-1,3-Dichloropropene	ND		1.00	0.140
Toluene	ND		1.00	0.300
trans-1,3-Dichloropropene	ND		1.00	0.130
1,1,2-Trichloroethane	ND		1.00	0.240
Tetrachloroethene	ND		1.00	0.300
Dibromochloromethane	ND		1.00	0.330
Chlorobenzene	ND		1.00	0.170
Ethylbenzene	ND		1.00	0.240
Total Xylenes	ND		2.00	0.740
Bromoform	ND		1.00	0.250
1,1,2,2-Tetrachloroethane	ND		1.00	0.190
1,3-Dichlorobenzene	ND		1.00	0.130
1,4-Dichlorobenzene	ND		1.00	0.180
1,2-Dichlorobenzene	ND		1.00	0.110
Total Target Compounds:	6.13	J		

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00249-010
Client ID: TB(010810)
Date Received: 01/08/2009
Date Analyzed: 01/15/2010
Data file: L2728.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.930
Vinyl chloride	ND		1.00	0.470
Bromomethane	ND		1.00	0.950
Chloroethane	ND		1.00	0.170
Trichlorofluoromethane	ND		1.00	0.310
Acrolein	ND		20.0	1.74
1,1-Dichloroethene	ND		1.00	0.360
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.16
trans-1,2-Dichloroethene	ND		1.00	0.340
1,1-Dichloroethane	ND		1.00	0.260
cis-1,2-Dichloroethene	ND		1.00	0.270
Chloroform	ND		1.00	0.220
1,1,1-Trichloroethane	ND		1.00	0.250
Carbon tetrachloride	ND		1.00	0.280
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	ND		1.00	0.310
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.400
cis-1,3-Dichloropropene	ND		1.00	0.140
Toluene	ND		1.00	0.300
trans-1,3-Dichloropropene	ND		1.00	0.130
1,1,2-Trichloroethane	ND		1.00	0.240
Tetrachloroethene	ND		1.00	0.300
Dibromochloromethane	ND		1.00	0.330
Chlorobenzene	ND		1.00	0.170
Ethylbenzene	ND		1.00	0.240
Total Xylenes	ND		2.00	0.740
Bromoform	ND		1.00	0.250
1,1,2,2-Tetrachloroethane	ND		1.00	0.190
1,3-Dichlorobenzene	ND		1.00	0.130
1,4-Dichlorobenzene	ND		1.00	0.180
1,2-Dichlorobenzene	ND		1.00	0.110

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00249-011
Client ID: MW-6S
Date Received: 01/08/2009
Date Analyzed: 01/15/2010
Data file: L2739.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.930
Vinyl chloride	ND		1.00	0.470
Bromomethane	ND		1.00	0.950
Chloroethane	ND		1.00	0.170
Trichlorofluoromethane	ND		1.00	0.310
Acrolein	ND		20.0	1.74
1,1-Dichloroethene	ND		1.00	0.360
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.16
trans-1,2-Dichloroethene	ND		1.00	0.340
1,1-Dichloroethane	0.336	J	1.00	0.260
cis-1,2-Dichloroethene	0.578	J	1.00	0.270
Chloroform	ND		1.00	0.220
1,1,1-Trichloroethane	ND		1.00	0.250
Carbon tetrachloride	ND		1.00	0.280
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	40.3		1.00	0.310
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.400
cis-1,3-Dichloropropene	ND		1.00	0.140
Toluene	ND		1.00	0.300
trans-1,3-Dichloropropene	ND		1.00	0.130
1,1,2-Trichloroethane	ND		1.00	0.240
Tetrachloroethene	5.17		1.00	0.300
Dibromochloromethane	ND		1.00	0.330
Chlorobenzene	ND		1.00	0.170
Ethylbenzene	ND		1.00	0.240
Total Xylenes	ND		2.00	0.740
Bromoform	ND		1.00	0.250
1,1,2,2-Tetrachloroethane	ND		1.00	0.190
1,3-Dichlorobenzene	ND		1.00	0.130
1,4-Dichlorobenzene	ND		1.00	0.180
1,2-Dichlorobenzene	ND		1.00	0.110
Total Target Compounds:	46.4	J		

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: L2445.D

BFB Injection Date: 12/31/2009

Inst ID: MSD_L

BFB Injection Time: 11:17

m/z	Ion Abudance Criteria	% Relative Abundance			
50	15 - 40.0% of mass 95	16.3			
75	30.0 - 60.0% of mass 95	43.9			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	7.9			
173	Less than 2.0% of mass 174	0.8	(	1.0	)1
174	Great than 50.0% of mass 95	83.5			
175	5.0 - 9.0% of mass 174	6.6	(	7.9	)1
176	95.0 - 101.0% of mass 174	84.1	(	100.7	)1
177	5.0 - 9.0% of mass 176	6.7	(	8.0	)2
	1-Value is % mass 174	2-Value is % mass 176			

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
5PPB	STD-5PPB	L2448.D	12/31/2009	12:41
20PPB	STD-20PPB	L2449.D	12/31/2009	13:09
100PPB	STD-100PPB	L2450.D	12/31/2009	13:36
150PPB	STD-150PPB	L2451.D	12/31/2009	14:05
200PPB	STD-200PPB	L2452.D	12/31/2009	14:34
1PPB	STD-1PPB	L2458.D	12/31/2009	17:27
2PPB	STD-2PPB	L2460.D	12/31/2009	18:25

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID:	L2720.D	BFB Injection Date:	01/15/2010
Inst ID:	MSD_L	BFB Injection Time:	2:07

m/z	Ion Abudance Criteria	% Relative Abundance			
50	15 - 40.0% of mass 95	15.7			
75	30.0 - 60.0% of mass 95	44.7			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.5			
173	Less than 2.0% of mass 174	0.7	(	0.8	)1
174	Great than 50.0% of mass 95	85.0			
175	5.0 - 9.0% of mass 174	6.5	(	7.6	)1
176	95.0 - 101.0% of mass 174	85.9	(	101.0	)1
177	5.0 - 9.0% of mass 176	5.9	(	6.9	)2
	1-Value is % mass 174	2-Value is % mass 176			

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
100PPB	STD-100PPB	L2722.D	01/15/2010	3:00
NA	METHOD-BLK	L2725.D	01/15/2010	4:21
FB(010710)	00249-001	L2726.D	01/15/2010	4:47
FB(010810)	00249-002	L2727.D	01/15/2010	5:14
TB(010810)	00249-010	L2728.D	01/15/2010	5:41
LCS-50PPB	BLK-SPK	L2729.D	01/15/2010	6:08
MS	00249-001MS	L2730.D	01/15/2010	6:35
MSD	00249-001MSD	L2731.D	01/15/2010	7:01
MW-9D	00249-003	L2732.D	01/15/2010	7:28
MW-9S	00249-004	L2733.D	01/15/2010	7:55
MW-13R	00249-005	L2734.D	01/15/2010	8:21
DUP(010710)	00249-006	L2735.D	01/15/2010	8:48
GP-104R	00249-007	L2736.D	01/15/2010	9:15
GP-103R	00249-008	L2737.D	01/15/2010	9:42
PTW-2	00249-009	L2738.D	01/15/2010	10:09
MW-6S	00249-011	L2739.D	01/15/2010	10:36

VOLATILE METHOD BLANK SUMMARY

Lab File ID: L2725.D Instrument ID: MSD_L

Date Analyzed: 01/15/2010 Time Analyzed: 04:21

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FB(010710)	00249-001	01/15/2010	4:47
FB(010810)	00249-002	01/15/2010	5:14
TB(010810)	00249-010	01/15/2010	5:41
LCS-50PPB	BLK-SPK	01/15/2010	6:08
MS	00249-001MS	01/15/2010	6:35
MSD	00249-001MSD	01/15/2010	7:01
MW-9D	00249-003	01/15/2010	7:28
MW-9S	00249-004	01/15/2010	7:55
MW-13R	00249-005	01/15/2010	8:21
DUP(010710)	00249-006	01/15/2010	8:48
GP-104R	00249-007	01/15/2010	9:15
GP-103R	00249-008	01/15/2010	9:42
PTW-2	00249-009	01/15/2010	10:09
MW-6S	00249-011	01/15/2010	10:36

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: NA
Date Received:
Date Analyzed: 01/15/2010
Data file: L2725.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.930
Vinyl chloride	ND		1.00	0.470
Bromomethane	ND		1.00	0.950
Chloroethane	ND		1.00	0.170
Trichlorofluoromethane	ND		1.00	0.310
Acrolein	ND		20.0	1.74
1,1-Dichloroethene	ND		1.00	0.360
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.16
trans-1,2-Dichloroethene	ND		1.00	0.340
1,1-Dichloroethane	ND		1.00	0.260
cis-1,2-Dichloroethene	ND		1.00	0.270
Chloroform	ND		1.00	0.220
1,1,1-Trichloroethane	ND		1.00	0.250
Carbon tetrachloride	ND		1.00	0.280
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	ND		1.00	0.310
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.400
cis-1,3-Dichloropropene	ND		1.00	0.140
Toluene	ND		1.00	0.300
trans-1,3-Dichloropropene	ND		1.00	0.130
1,1,2-Trichloroethane	ND		1.00	0.240
Tetrachloroethene	ND		1.00	0.300
Dibromochloromethane	ND		1.00	0.330
Chlorobenzene	ND		1.00	0.170
Ethylbenzene	ND		1.00	0.240
Total Xylenes	ND		2.00	0.740
Bromoform	ND		1.00	0.250
1,1,2,2-Tetrachloroethane	ND		1.00	0.190
1,3-Dichlorobenzene	ND		1.00	0.130
1,4-Dichlorobenzene	ND		1.00	0.180
1,2-Dichlorobenzene	ND		1.00	0.110

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project:

Lab ID: METHOD-BLK
Client ID: NA
Date Received:
Date Analyzed: 01/15/2010
Date File: L2725.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

Response Factor Report MSD_L

Method Path : C:\MSDCHEM\1\METHODS\
Method File : LAM1231.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jan 04 14:17:38 2010
Response Via : Initial Calibration

Calibration Files
1 =L2458.D 2 =L2460.D 5 =L2448.D
20 =L2449.D 100 =L2450.D 200 =L2452.D

		Compound	1	2	5	20	100	200	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluorom	0.276	0.338	0.274	0.320	0.359	0.281	0.304	11.39
3)	P	Chloromethane	0.550	0.493	0.513	0.521	0.516	0.504	0.510	4.72
4)	C	Vinyl chloride	0.349	0.401	0.387	0.441	0.453	0.428	0.409	8.63
5)	T	Bromomethane	0.349	0.317	0.336	0.305	0.252	0.318	0.318	10.70
6)	T	Chloroethane	0.239	0.252	0.253	0.264	0.253	0.179	0.236	12.96
7)	T	Trichlorofluorome	0.318	0.394	0.293	0.408	0.456	0.364	0.370	14.88
8)	T	Acrolein	0.013	0.016	0.019	0.017	0.017	0.016	0.016	10.80
9)	MC	1,1-Dichloroethen	0.331	0.371	0.306	0.370	0.378	0.350	0.349	7.40
10)	T	Acetone	0.127	0.112	0.112	0.096	0.090	0.094	0.102	14.85
11)	T	Carbon disulfide	1.004	1.177	1.061	1.201	1.285	1.255	1.166	8.65
12)	T	Vinyl acetate	1.606	1.406	1.322	1.435	1.498	1.566	1.468	6.61
13)	T	Methylene chlorid		0.626	0.659	0.626	0.519	0.506	0.569	13.40
14)	T	Acrylonitrile	0.143	0.156	0.197	0.172	0.178	0.186	0.173	10.48
15)	T	tert-Butyl alcoho	0.036	0.040	0.037	0.037	0.036	0.045	0.038	8.54
16)	T	trans-1,2-Dichlor	0.520	0.478	0.490	0.547	0.551	0.569	0.525	6.32
17)	T	Methyl tert-butyl	1.678	1.440	1.379	1.460	1.467	1.589	1.491	7.00
18)	P	1,1-Dichloroethan	0.922	0.899	0.824	0.893	0.930	0.986	0.907	5.37
19)	T	Diisopropyl ether	1.862	1.700	1.540	1.624	1.658	1.731	1.673	6.25
20)	T	cis-1,2-Dichloroe	0.654	0.598	0.562	0.617	0.635	0.668	0.621	5.75
21)	T	2,2-Dichloropropa	0.615	0.672	0.493	0.617	0.712	0.751	0.648	12.98
22)	T	2-Butanone (MEK)	0.248	0.199	0.181	0.195	0.190	0.205	0.200	11.17
23)	T	Bromochloromethan	0.334	0.299	0.263	0.284	0.297	0.315	0.297	7.62
25)	C	Chloroform	1.124	1.021	0.924	0.946	0.970	1.011	0.989	7.13
26)	T	1,1,1-Trichloroet	0.552	0.624	0.551	0.677	0.755	0.781	0.664	13.90
27)	T	Carbon tetrachlor	0.440	0.433	0.383	0.494	0.595	0.532	0.482	14.60
28)	T	1,1-Dichloroprope	0.653	0.622	0.519	0.608	0.652	0.656	0.615	7.85
29)	T	1,2-Dichloroethan	0.821	0.741	0.657	0.675	0.677	0.704	0.703	8.66
30)	S	1,2-Dichloroethan	0.465	0.468	0.465	0.461	0.452	0.458	0.460	1.42
31)	I	1,4-Difluorobenzene	----------ISTD----------							
32)	M	Benzene	1.679	1.523	1.383	1.454	1.488	1.546	1.498	6.62
33)	M	Trichloroethene	0.399	0.381	0.335	0.363	0.380	0.401	0.374	6.17
34)	C	1,2-Dichloropropa	0.407	0.360	0.317	0.351	0.368	0.392	0.364	8.02
35)	T	Dibromomethane	0.239	0.225	0.205	0.231	0.243	0.262	0.234	7.43
36)	T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.004	0.003	12.99
37)	T	Bromodichlorometh	0.369	0.338	0.352	0.399	0.477	0.474	0.411	14.84
38)	T	2-Chloroethyl vin	0.219	0.186	0.192	0.214	0.240	0.265	0.221	12.44
39)	T	cis-1,3-Dichlorop	0.540	0.681	0.472	0.512	0.602	0.661	0.579	13.23
40)	T	4-Methyl-2-pentan	0.299	0.262	0.236	0.263	0.276	0.309	0.273	8.98
41)	S	Toluene-d8	1.048	1.048	1.049	1.060	1.062	1.058	1.054	0.57
42)	MC	Toluene	1.077	0.955	0.860	0.908	0.949	0.983	0.948	7.40
43)	T	trans-1,3-Dichlor	0.415	0.484	0.510	0.444	0.542	0.602	0.505	12.52
44)	T	1,1,2-Trichloroet	0.288	0.284	0.253	0.273	0.283	0.305	0.280	5.73
45)	T	Tetrachloroethene	0.451	0.404	0.319	0.353	0.378	0.387	0.378	11.26
46)	T	1,3-Dichloropropa	0.624	0.563	0.508	0.531	0.549	0.585	0.555	7.10
47)	T	2-Hexanone	0.178	0.153	0.159	0.187	0.197	0.223	0.184	12.85
48)	T	Dibromochlorometh	0.248	0.235	0.280	0.293	0.351	0.322	0.287	13.94
49)	T	1,2-Dibromoethane	0.373	0.320	0.308	0.339	0.354	0.383	0.346	7.78

50)	I	Chlorobenzene-d5	----------ISTD----------							
51)	MP	Chlorobenzene	1.377	1.154	1.016	1.054	1.079	1.124	1.120	11.00
52)	T	1,1,1,2-Tetrachlo	0.300	0.281	0.271	0.342	0.379	0.377	0.331	14.00
53)	C	Ethylbenzene	2.030	1.796	1.597	1.721	1.730	1.738	1.747	8.17
54)	T	m,p-Xylene	0.803	0.695	0.634	0.673	0.668	0.649	0.677	9.04
55)	T	o-Xylene	0.752	0.684	0.618	0.685	0.705	0.705	0.688	5.96
56)	T	Styrene	1.230	1.133	1.061	1.186	1.242	1.225	1.176	5.50
57)	P	Bromoform	0.137	0.180	0.143	0.184	0.197	0.186	0.174	13.55
58)	T	Isopropylbenzene	1.568	1.475	1.342	1.502	1.564	1.594	1.500	5.78
59)	S	Bromofluorobenzen	0.454	0.448	0.456	0.454	0.454	0.447	0.452	0.72
60)	P	1,1,2,2-Tetrachlo	0.507	0.442	0.398	0.445	0.459	0.488	0.454	7.83
61)	T	Bromobenzene	0.609	0.509	0.451	0.483	0.497	0.518	0.507	9.91
62)	T	1,2,3-Trichloropr	0.409	0.361	0.333	0.349	0.344	0.371	0.357	7.54
63)	T	n-Propylbenzene	2.019	1.734	1.497	1.678	1.728	1.746	1.715	9.41
64)	T	2-Chlorotoluene	1.542	1.233	1.098	1.158	1.174	1.212	1.219	12.37
65)	T	1,3,5-Trimethylbe	1.508	1.261	1.141	1.252	1.285	1.308	1.282	8.85
66)	T	4-Chlorotoluene	1.790	1.440	1.275	1.329	1.348	1.366	1.403	12.81
67)	T	tert-Butylbenzene	1.055	0.878	0.800	0.910	0.954	0.982	0.925	8.83
68)	T	1,2,4-Trimethylbe	1.614	1.288	1.200	1.334	1.366	1.398	1.357	9.57
69)	T	sec-Butylbenzene	1.487	1.281	1.098	1.256	1.342	1.371	1.299	9.25
70)	T	1,3-Dichlorobenze	1.159	0.855	0.764	0.824	0.843	0.894	0.879	14.74
71)	T	4-Isopropyltoluen	1.296	1.021	0.888	1.043	1.079	1.103	1.063	11.63
72)	T	1,4-Dichlorobenze	1.082	0.925	0.808	0.848	0.872	0.925	0.901	10.08
73)	T	n-Butylbenzene	0.574	0.471	0.428	0.510	0.564	0.581	0.523	10.94
74)	T	1,2-Dichlorobenze	1.125	0.854	0.760	0.812	0.837	0.878	0.867	13.83
75)	T	1,2-Dibromo-3-chl	0.024	0.030	0.036	0.032	0.034	0.038	0.032	14.41
76)	T	1,2,4-Trichlorobe	0.634	0.494	0.426	0.478	0.528	0.581	0.523	13.03
77)	T	Hexachlorobutadie	0.259	0.250	0.186	0.197	0.211	0.227	0.219	12.65
78)	T	Naphthalene	1.266	1.003	0.965	1.125	1.212	1.383	1.167	12.62
79)	T	1,2,3-Trichlorobe	0.556	0.499	0.396	0.437	0.478	0.538	0.483	11.44
80)	T	1,1,2-Trichloro-1	0.220	0.244	0.195	0.233	0.257	0.202	0.221	11.08
81)	T	Methyl acetate	0.281	0.241	0.215	0.207	0.199	0.208	0.220	14.13
82)	T	Cyclohexane	0.286	0.307	0.334	0.385	0.408	0.355	0.344	12.39
83)	T	Methylcyclohexane	0.263	0.238	0.216	0.216	0.250	0.218	0.229	9.39

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

LAM1231.M Mon Jan 04 14:17:43 2010

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2722.D
Acq On : 15 Jan 2010 3:00
Operator : MEI
Sample : 100PPB,STD-100PPB,A,5ml,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jan 15 10:25:25 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	76	0.00
3	P	Chloromethane	0.510	0.440	13.7	65	0.00
4	C	Vinyl chloride	0.409	0.399	2.4	67	0.00
5	T	Bromomethane	0.318	0.286	10.1	86	0.01
6	T	Chloroethane	0.236	0.267	-13.1	80	0.01
7	T	Trichlorofluoromethane	0.370	0.316	14.6	53	0.00
8	T	Acrolein	0.016	0.016	0.0	71	0.01
9	MC	1,1-Dichloroethene	0.349	0.411	-17.8	83	0.00
10	T	Acetone	0.102	0.114	-11.8	96	0.01
11	T	Carbon disulfide	1.166	1.315	-12.8	78	0.01
12	T	Vinyl acetate	1.468	1.220	16.9	62	0.01
13	T	Methylene chloride	0.569	0.550	3.3	81	0.01
14	T	Acrylonitrile	0.173	0.196	-13.3	84	0.00
15	T	tert-Butyl alcohol (TBA)	0.038	0.033	13.2	69	0.00
16	T	trans-1,2-Dichloroethene	0.525	0.555	-5.7	77	0.00
17	T	Methyl tert-butyl ether (MT	1.491	1.376	7.7	71	0.00
18	P	1,1-Dichloroethane	0.907	0.917	-1.1	75	0.00
19	T	Diisopropyl ether (DIPE)	1.673	1.589	5.0	73	0.00
20	T	cis-1,2-Dichloroethene	0.621	0.636	-2.4	76	0.01
21	T	2,2-Dichloropropane	0.648	0.643	0.8	69	0.00
22	T	2-Butanone (MEK)	0.200	0.184	8.0	73	0.00
23	T	Bromochloromethane	0.297	0.304	-2.4	78	0.00
25	C	Chloroform	0.989	0.976	1.3	76	0.00
26	T	1,1,1-Trichloroethane	0.664	0.783	-17.9	79	0.00
27	T	Carbon tetrachloride	0.482	0.576	-19.5	74	0.00
28	T	1,1-Dichloropropene	0.615	0.663	-7.8	77	0.00
29	T	1,2-Dichloroethane (EDC)	0.703	0.662	5.8	74	0.00
30	S	1,2-Dichloroethane-d4	0.460	0.463	-0.7	78	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
32	M	Benzene	1.498	1.365	8.9	75	-0.01
33	M	Trichloroethene	0.374	0.381	-1.9	82	0.00
34	C	1,2-Dichloropropane	0.364	0.333	8.5	75	0.00
35	T	Dibromomethane	0.234	0.221	5.6	75	0.00
37	T	Bromodichloromethane	0.411	0.441	-7.3	76	0.00
38	T	2-Chloroethyl vinyl ether	0.221	0.198	10.4	68	0.00
39	T	cis-1,3-Dichloropropene	0.579	0.500	13.6	68	0.00
40	T	4-Methyl-2-pentanone (MIBK)	0.273	0.232	15.0	69	0.00
41	S	Toluene-d8	1.054	1.073	-1.8	83	0.00
42	MC	Toluene	0.948	0.867	8.5	75	0.00
43	T	trans-1,3-Dichloropropene	0.505	0.440	12.9	67	0.00
44	T	1,1,2-Trichloroethane	0.280	0.256	8.6	74	0.00

45	T	Tetrachloroethene	0.378	0.360	4.8	78	0.00
46	T	1,3-Dichloropropane	0.555	0.493	11.2	74	0.00
47	T	2-Hexanone	0.184	0.163	11.4	68	0.00
48	T	Dibromochloromethane	0.287	0.342	-19.2	80	0.00
49	T	1,2-Dibromoethane (EDB)	0.346	0.324	6.4	75	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
51	MP	Chlorobenzene	1.120	0.973	13.1	76	0.00
52	T	1,1,1,2-Tetrachloroethane	0.331	0.348	-5.1	78	0.00
53	C	Ethylbenzene	1.747	1.552	11.2	76	0.00
54	T	m,p-Xylene	0.677	0.611	9.7	77	0.00
55	T	o-Xylene	0.688	0.638	7.3	76	0.00
56	T	Styrene	1.176	1.113	5.4	76	0.00
57	P	Bromoform	0.174	0.193	-10.9	83	0.00
58	T	Isopropylbenzene	1.500	1.428	4.8	77	0.00
59	S	Bromofluorobenzene	0.452	0.450	0.4	84	0.00
60	P	1,1,2,2-Tetrachloroethane	0.454	0.367	19.2	68	0.00
61	T	Bromobenzene	0.507	0.457	9.9	78	0.00
62	T	1,2,3-Trichloropropane	0.357	0.297	16.8	73	0.00
63	T	n-Propylbenzene	1.715	1.538	10.3	75	0.00
64	T	2-Chlorotoluene	1.219	1.043	14.4	75	0.00
65	T	1,3,5-Trimethylbenzene	1.282	1.148	10.5	75	-0.01
66	T	4-Chlorotoluene	1.403	1.188	15.3	74	0.00
67	T	tert-Butylbenzene	0.925	0.892	3.6	79	0.00
68	T	1,2,4-Trimethylbenzene	1.357	1.224	9.8	76	0.00
69	T	sec-Butylbenzene	1.299	1.242	4.4	78	0.00
70	T	1,3-Dichlorobenzene	0.879	0.759	13.7	76	0.00
71	T	4-Isopropyltoluene	1.063	0.983	7.5	77	0.00
72	T	1,4-Dichlorobenzene	0.901	0.785	12.9	76	0.00
73	T	n-Butylbenzene	0.523	0.495	5.4	74	0.00
74	T	1,2-Dichlorobenzene	0.867	0.765	11.8	77	0.00
75	T	1,2-Dibromo-3-chloropropane	0.032	0.037	-15.6	91	0.00
76	T	1,2,4-Trichlorobenzene	0.523	0.472	9.8	76	0.00
77	T	Hexachlorobutadiene	0.219	0.207	5.5	83	-0.01
78	T	Naphthalene	1.167	1.087	6.9	76	0.00
79	T	1,2,3-Trichlorobenzene	0.483	0.437	9.5	77	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.221	0.221	0.0	73	0.01
81	T	Methyl acetate	0.220	0.177	19.5	75	0.00
82	T	Cyclohexane	0.344	0.342	0.6	71	0.00
83	T	Methylcyclohexane	0.229	0.201	12.2	68	0.00

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

LAM1231.M Fri Jan 15 10:25:34 2010

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/15/2010

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	L2725.D	99	100	95
00249-001	AQUEOUS	L2726.D	99	99	96
00249-002	AQUEOUS	L2727.D	101	100	97
00249-010	AQUEOUS	L2728.D	100	100	96
BLK-SPK	AQUEOUS	L2729.D	107	104	100
00249-001MS	AQUEOUS	L2730.D	100	102	96
00249-001MSD	AQUEOUS	L2731.D	98	99	95
00249-003	AQUEOUS	L2732.D	99	102	95
00249-004	AQUEOUS	L2733.D	101	100	98
00249-005	AQUEOUS	L2734.D	99	100	96
00249-006	AQUEOUS	L2735.D	101	101	98
00249-007	AQUEOUS	L2736.D	102	100	96
00249-008	AQUEOUS	L2737.D	103	99	96
00249-009	AQUEOUS	L2738.D	102	100	97
00249-011	AQUEOUS	L2739.D	102	100	97

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	45-154	51-164
SMC2 = Toluene-d8	50 ppb	47-151	52-157
SMC3 = Bromofluorobenzene	50 ppb	48-149	56-154

Column to be used to flag recovery values

FORM 2

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 00249-001

Batch No.: LAM011410B

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	56.0	112	46 - 150
Benzene	50.0	0.0	52.5	105	63 - 146
Trichloroethene	50.0	0.0	52.1	104	60 - 152
Toluene	50.0	0.0	51.2	102	63 - 151
Chlorobenzene	50.0	0.0	47.8	96	75 - 149

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	59.0	118	5	17	46 - 150
Benzene	0.0	47.9	96	9	14	63 - 146
Trichloroethene	0.0	48.2	96	8	15	60 - 152
Toluene	0.0	47.5	95	7	15	63 - 151
Chlorobenzene	0.0	46.8	94	2	12	75 - 149

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): L2450.D

Date Analyzed: 12/31/2009

Instrument ID: MSD_L

Time Analyzed: 13:36

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	177124	6.19	259867	7.00	249663	10.33
	UPPER LIMIT	354248	6.69	519734	7.50	499326	10.83
	LOWER LIMIT	88562	5.69	129933.5	6.50	124831.5	9.83
	LAB SAMPLE ID						
01	STD-5PPB	183389	6.19	270006	7.00	248120	10.33
02	STD-20PPB	172853	6.19	255157	7.00	238521	10.33
03	STD-150PPB	184831	6.19	272556	7.00	261842	10.33
04	STD-200PPB	171766	6.19	251452	7.00	243593	10.33
05	STD-1PPB	173059	6.19	252670	7.00	232858	10.33
06	STD-2PPB	162050	6.19	239725	7.00	221050	10.33
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): L2722.D Date Analyzed: 01/15/2010

Instrument ID: MSD_L Time Analyzed: 3:00

	50UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	134650		6.19		213745		7.00		210980		10.33	
	UPPER LIMIT	269300		6.69		427490		7.50		421960		10.83	
	LOWER LIMIT	67325		5.69		106872.5		6.50		105490		9.83	
	LAB SAMPLE ID												
01	METHOD-BLK	142372		6.19		212363		7.00		205400		10.33	
02	00249-001	131888		6.19		196520		7.00		188008		10.33	
03	00249-002	121475		6.19		181161		7.00		174900		10.33	
04	00249-010	141074		6.19		210024		7.00		203574		10.33	
05	BLK-SPK	108739		6.19		175147		7.00		176414		10.33	
06	00249-001MS	119167		6.19		174214		7.00		170974		10.33	
07	00249-001MSD	139149		6.19		206213		7.00		199297		10.33	
08	00249-003	132962		6.19		193771		7.00		190183		10.33	
09	00249-004	125233		6.19		187653		7.00		182088		10.33	
10	00249-005	127330		6.19		188086		7.00		183491		10.33	
11	00249-006	117919		6.19		173846		7.00		168753		10.33	
12	00249-007	114345		6.19		172477		7.00		165296		10.33	
13	00249-008	111963		6.19		169212		7.00		163900		10.33	
14	00249-009	125279		6.19		185365		7.00		177164		10.33	
15	00249-011	114152		6.19		168823		7.00		163431		10.33	
16													
17													
18													
19													
20													
21													
22													

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2726.D
Acq On : 15 Jan 2010 4:47
Operator : MEI
Sample : FB(010710),00249-001,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/07/10,01/08/09,
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jan 15 10:39:30 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.19	168	131888	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	196520	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	188008	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	59954	49.38	UG	-0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 98.76%			
41) Toluene-d8	8.67	98	205791	49.68	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.36%			
59) Bromofluorobenzene	11.73	95	81968	48.20	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.40%			

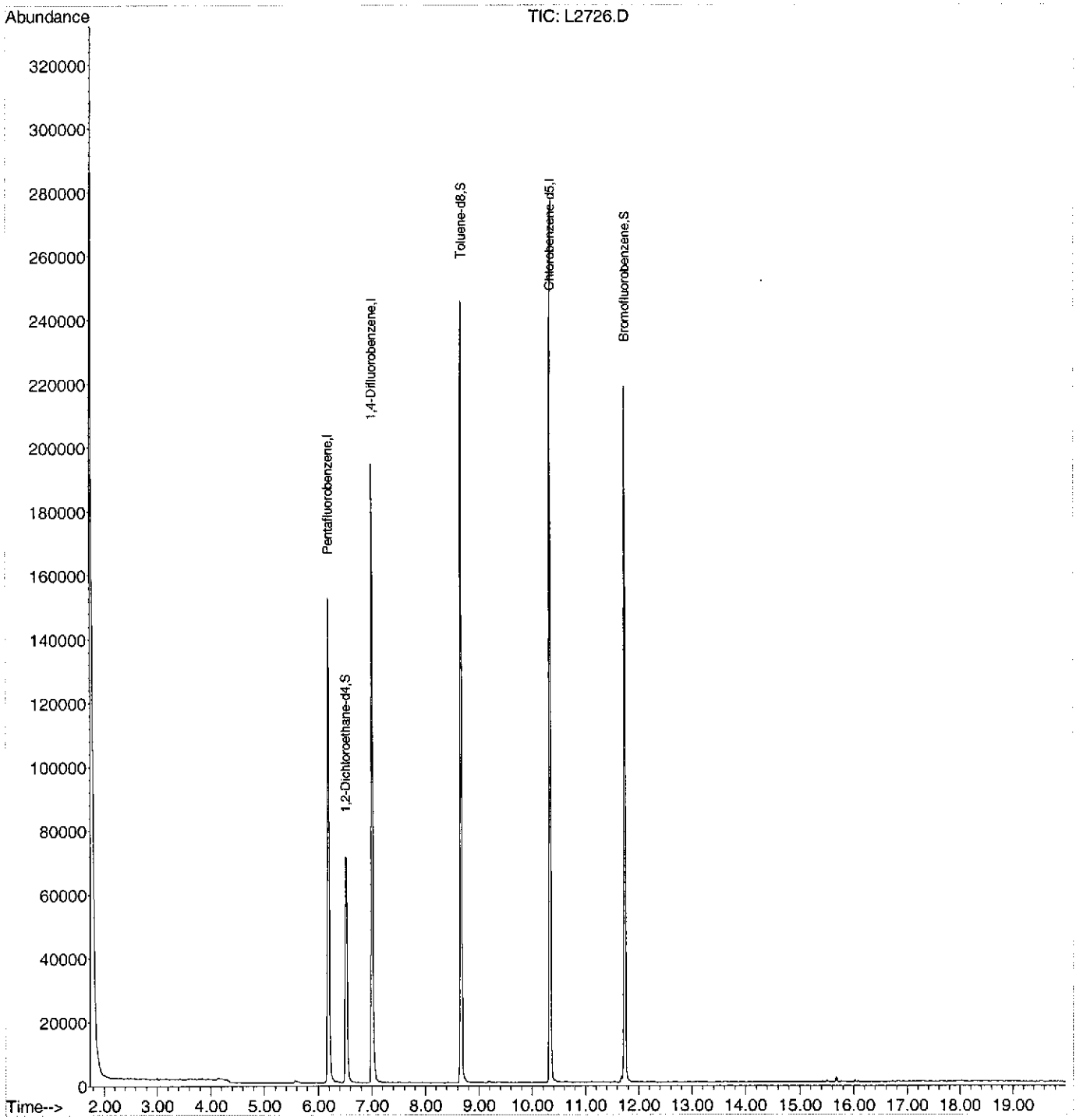
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2726.D
Acq On : 15 Jan 2010 4:47
Operator : MEI
Sample : FB(010710),00249-001,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/07/10,01/08/09,
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jan 15 10:39:30 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2727.D
Acq On : 15 Jan 2010 5:14
Operator : MEI
Sample : FB(010810),00249-002,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/08/10,01/08/09,
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jan 15 10:41:52 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.19	168	121475	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	181161	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	174900	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	56334	50.38	UG	-0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 100.76%			
41) Toluene-d8	8.67	98	191258	50.08	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.16%			
59) Bromofluorobenzene	11.73	95	76337	48.25	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.50%			

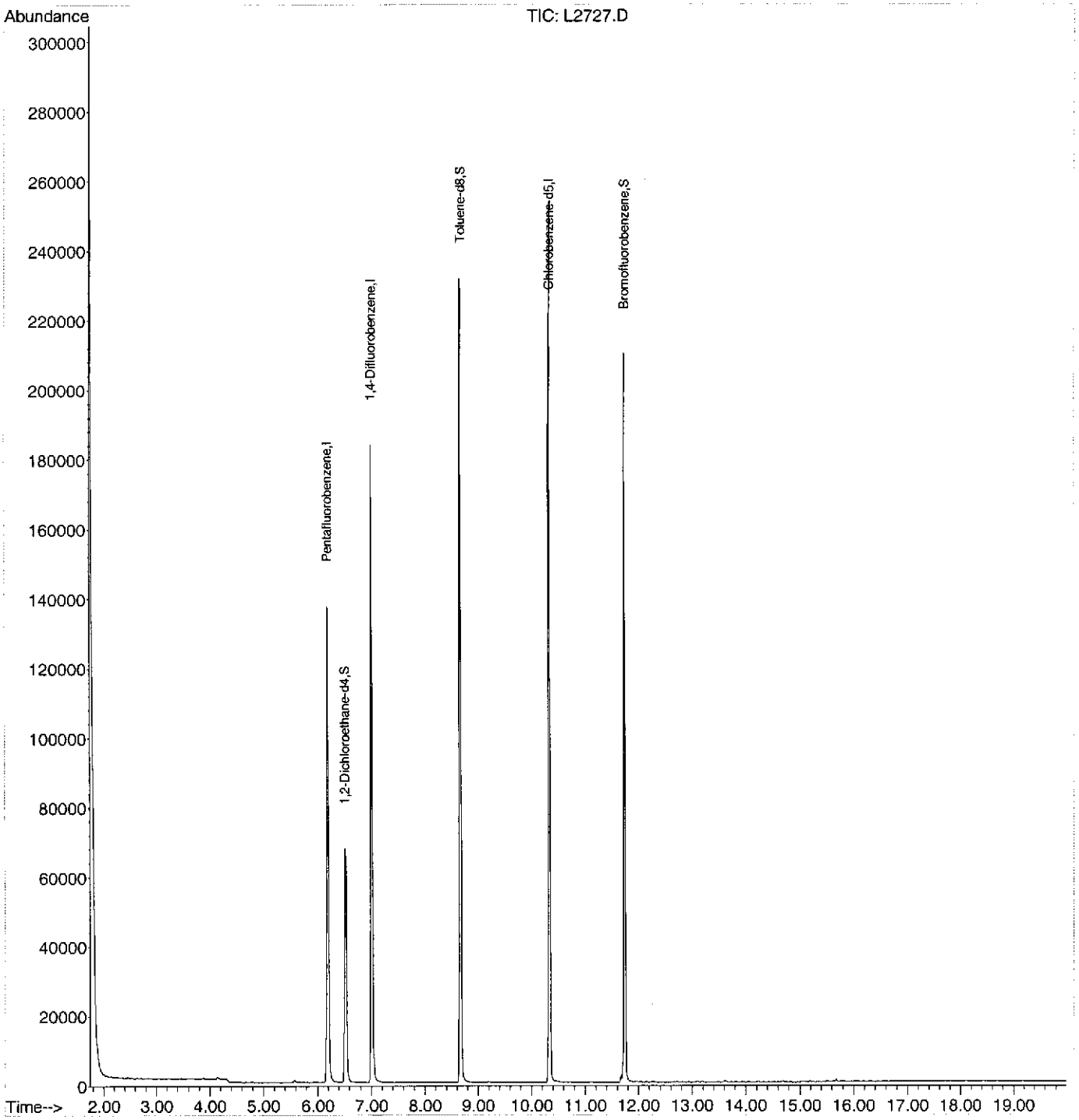
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2727.D
Acq On : 15 Jan 2010 5:14
Operator : MEI
Sample : FB(010810),00249-002,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/08/10,01/08/09,
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jan 15 10:41:52 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2732.D
Acq On : 15 Jan 2010 7:28
Operator : MEI
Sample : MW-9D,00249-003,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/07/10,01/08/09,
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jan 15 10:47:20 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.19	168	132962	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	193771	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	190183	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.53	65	60283	49.25	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 98.50%			
41) Toluene-d8	8.67	98	208469	51.04	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 102.08%			
59) Bromofluorobenzene	11.73	95	81528	47.39	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.78%			

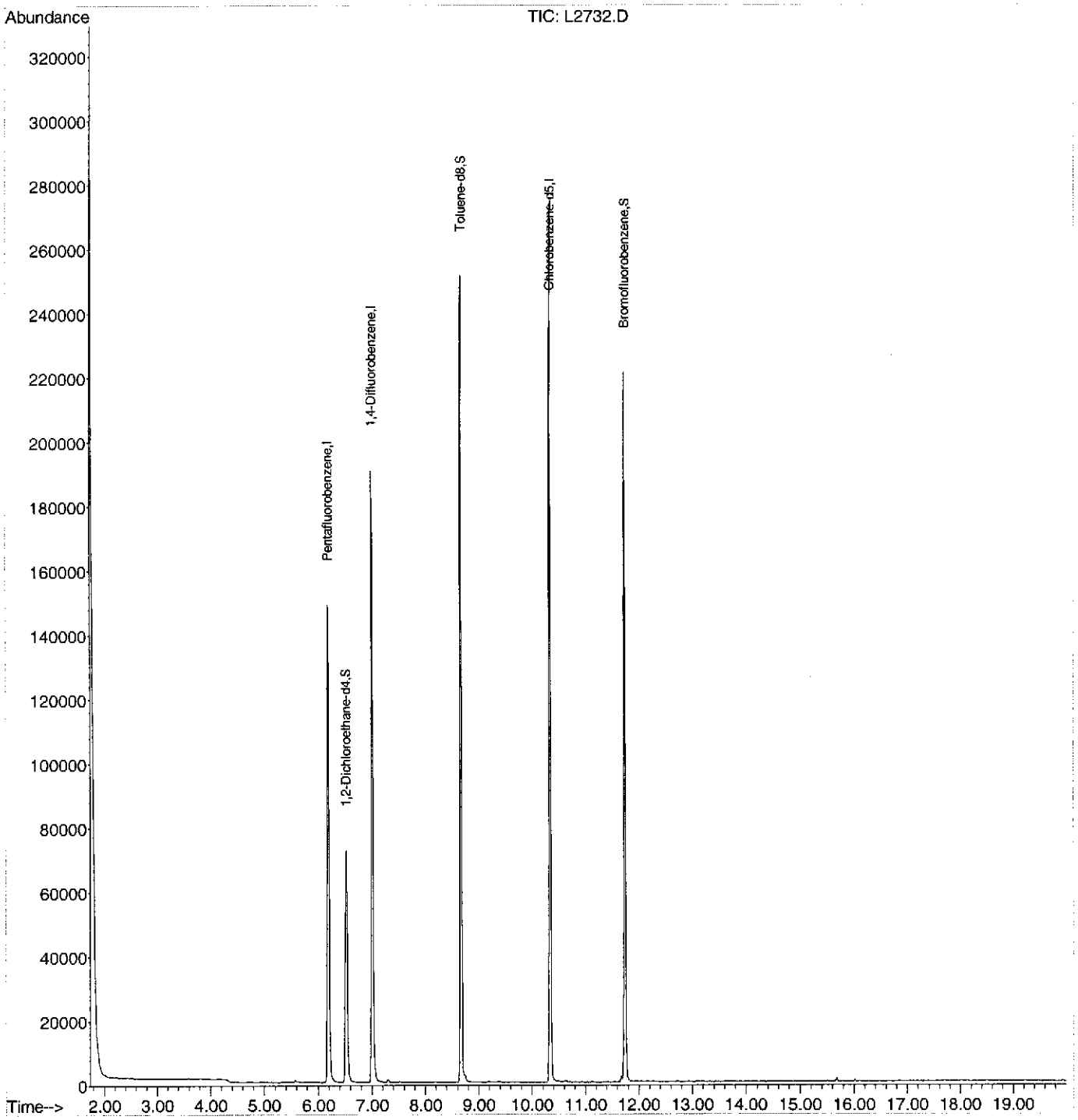
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2732.D
Acq On : 15 Jan 2010 7:28
Operator : MEI
Sample : MW-9D,00249-003,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/07/10,01/08/09,
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jan 15 10:47:20 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2733.D
Acq On : 15 Jan 2010 7:55
Operator : MEI
Sample : MW-9S,00249-004,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/07/10,01/08/09,
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jan 15 10:51:40 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

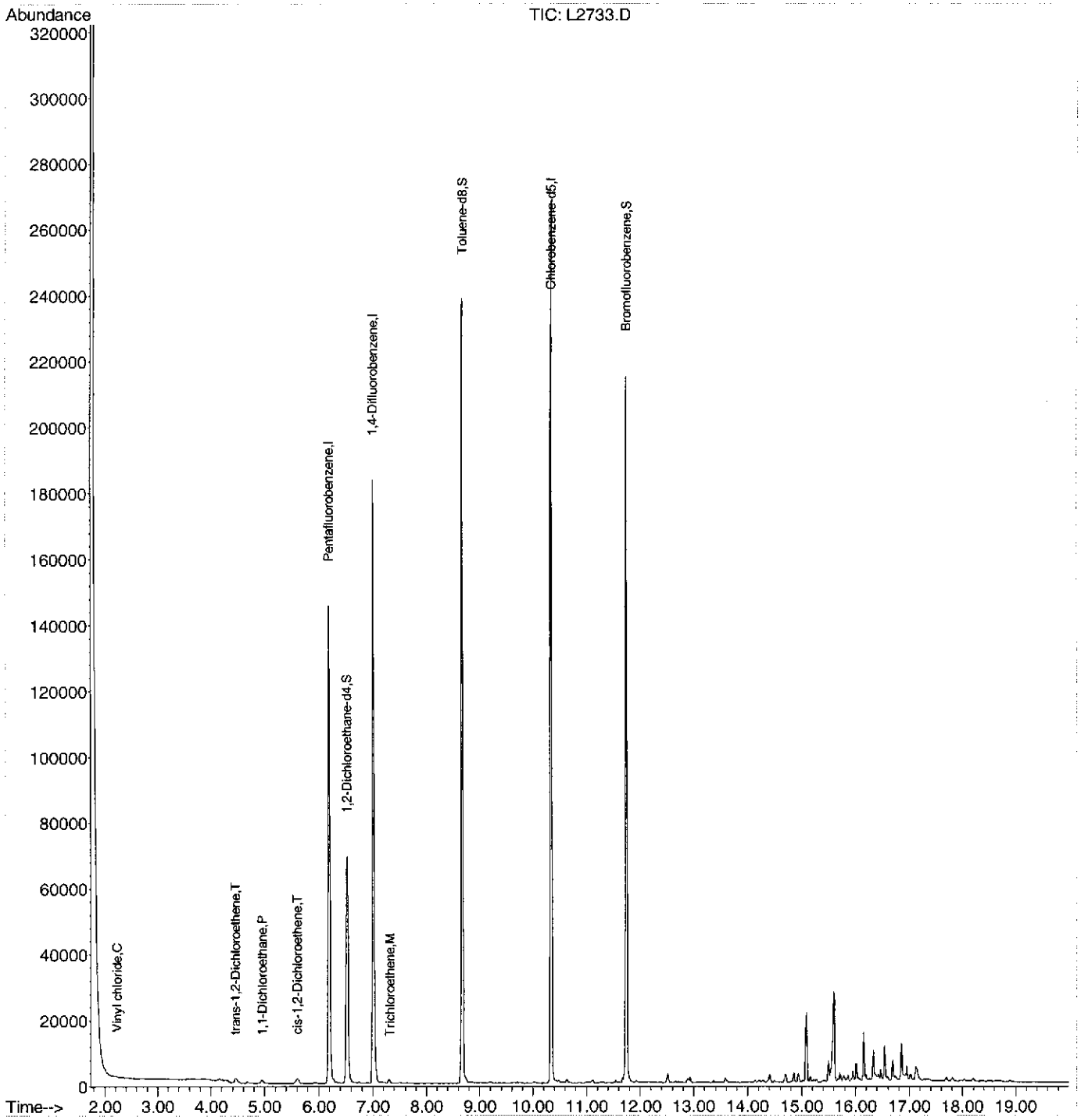
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.19	168	125233	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.00	114	187653	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	182088	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.53	65	58289	50.56	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 101.12%				
41) Toluene-d8	8.67	98	198187	50.10	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.20%				
59) Bromofluorobenzene	11.73	95	80444	48.84	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 97.68%				
Target Compounds							Qvalue
4) Vinyl chloride	2.23	62	775	0.76	UG		98
16) trans-1,2-Dichloroethene	4.46	96	676	0.51	UG	#	68
18) 1,1-Dichloroethane	4.95	63	1525	0.67	UG	#	87
20) cis-1,2-Dichloroethene	5.60	96	805	0.52	UG	#	68
33) Trichloroethene	7.31	95	475	0.34	UG		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2733.D
Acq On : 15 Jan 2010 7:55
Operator : MEI
Sample : MW-9S,00249-004,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/07/10,01/08/09,
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jan 15 10:51:40 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2734.D
Acq On : 15 Jan 2010 8:21
Operator : MEI
Sample : MW-13R,00249-005,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/07/10,01/08/09,
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jan 15 10:54:56 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

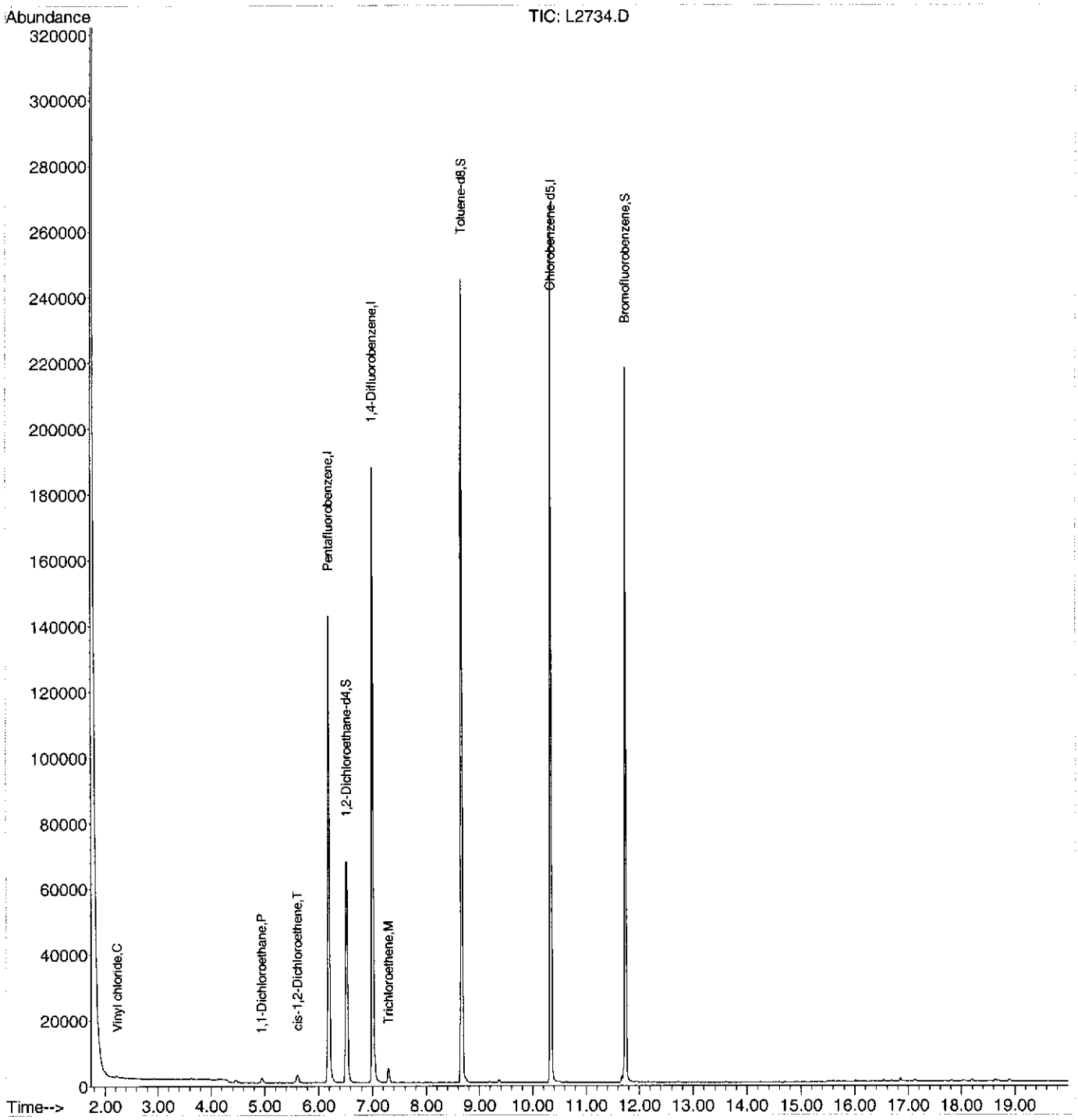
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.19	168	127330	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	188086	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	183491	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.53	65	57829	49.34	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 98.68%			
41) Toluene-d8	8.66	98	198724	50.12	UG	-0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.24%			
59) Bromofluorobenzene	11.73	95	79965	48.18	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.36%			
Target Compounds						Qvalue
4) Vinyl chloride	2.23	62	1132	1.09	UG	# 86
18) 1,1-Dichloroethane	4.94	63	2265	0.98	UG	# 87
20) cis-1,2-Dichloroethene	5.61	96	1488	0.94	UG	# 97
33) Trichloroethene	7.30	95	1720	1.22	UG	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2734.D
Acq On : 15 Jan 2010 8:21
Operator : MEI
Sample : MW-13R,00249-005,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/07/10,01/08/09,
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jan 15 10:54:56 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2735.D
Acq On : 15 Jan 2010 8:48
Operator : MEI
Sample : DUP(010710),00249-006,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/07/10,01/08/09,
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Jan 15 10:58:05 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

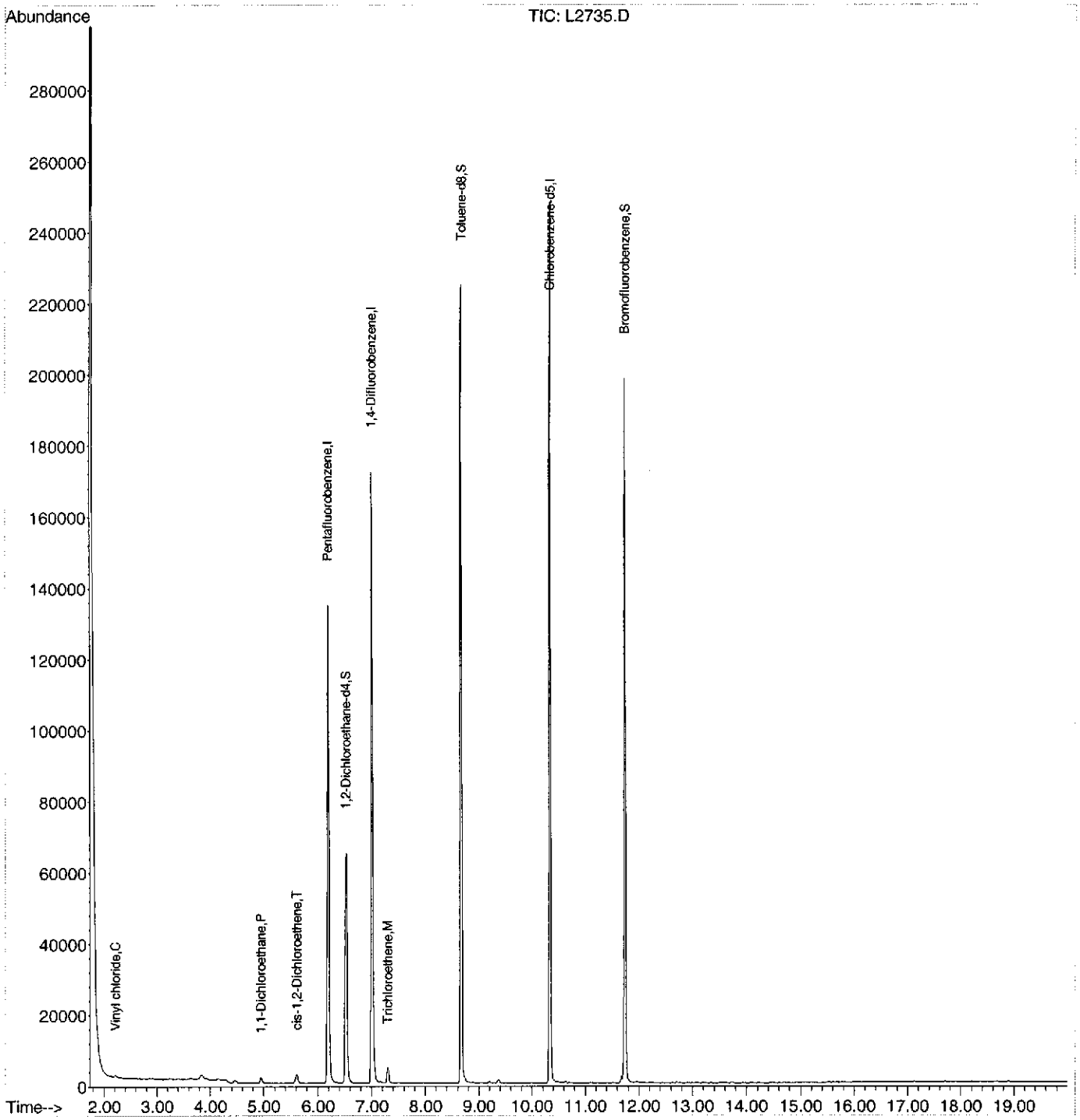
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.19	168	117919	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.00	114	173846	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	168753	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.53	65	54846	50.53	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 101.06%				
41) Toluene-d8	8.67	98	185167	50.53	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.06%				
59) Bromofluorobenzene	11.73	95	74731	48.96	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 97.92%				
Target Compounds							Qvalue
4) Vinyl chloride	2.21	62	1276	1.32	UG		99
18) 1,1-Dichloroethane	4.94	63	2198	1.03	UG		98
20) cis-1,2-Dichloroethene	5.61	96	1403	0.96	UG	#	95
33) Trichloroethene	7.30	95	1781	1.37	UG		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2735.D
Acq On : 15 Jan 2010 8:48
Operator : MEI
Sample : DUP(010710),00249-006,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/07/10,01/08/09,
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Jan 15 10:58:05 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2736.D
Acq On : 15 Jan 2010 9:15
Operator : MEI
Sample : GP-104R,00249-007,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/08/10,01/08/09,
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jan 15 10:59:58 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

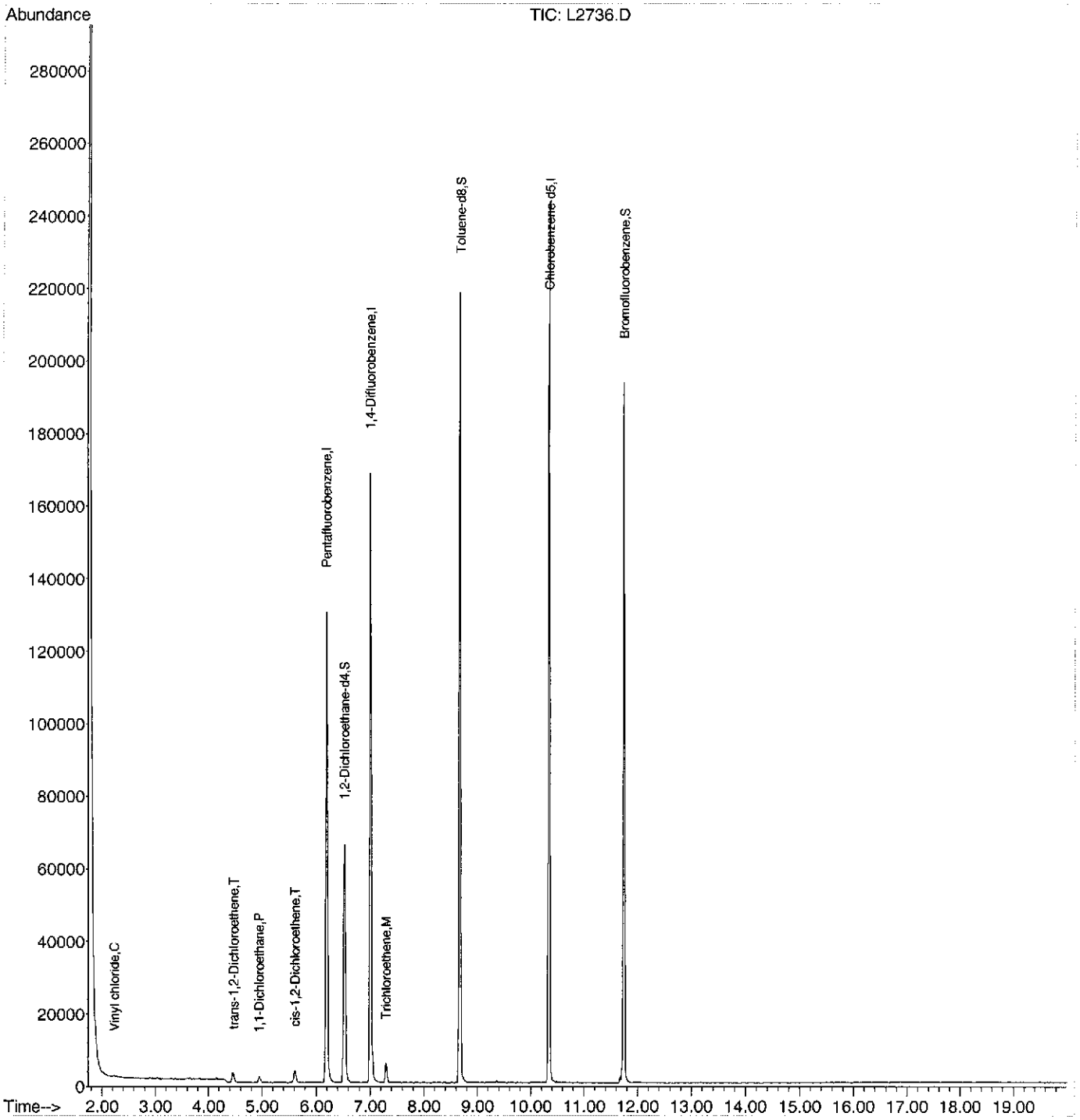
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.19	168	114345	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.00	114	172477	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	165296	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.53	65	53738	51.05	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 102.10%				
41) Toluene-d8	8.67	98	181635	49.96	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.92%				
59) Bromofluorobenzene	11.73	95	71696	47.95	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.90%				
Target Compounds							Qvalue
4) Vinyl chloride	2.23	62	971	1.04	UG		99
16) trans-1,2-Dichloroethene	4.47	96	1723	1.43	UG	#	99
18) 1,1-Dichloroethane	4.94	63	2398	1.16	UG		100
20) cis-1,2-Dichloroethene	5.61	96	1928	1.36	UG	#	68
33) Trichloroethene	7.30	95	2248	1.74	UG		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2736.D
Acq On : 15 Jan 2010 9:15
Operator : MEI
Sample : GP-104R,00249-007,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/08/10,01/08/09,
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jan 15 10:59:58 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2737.D
Acq On : 15 Jan 2010 9:42
Operator : MEI
Sample : GP-103R,00249-008,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/08/10,01/08/09,
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Jan 15 11:01:31 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

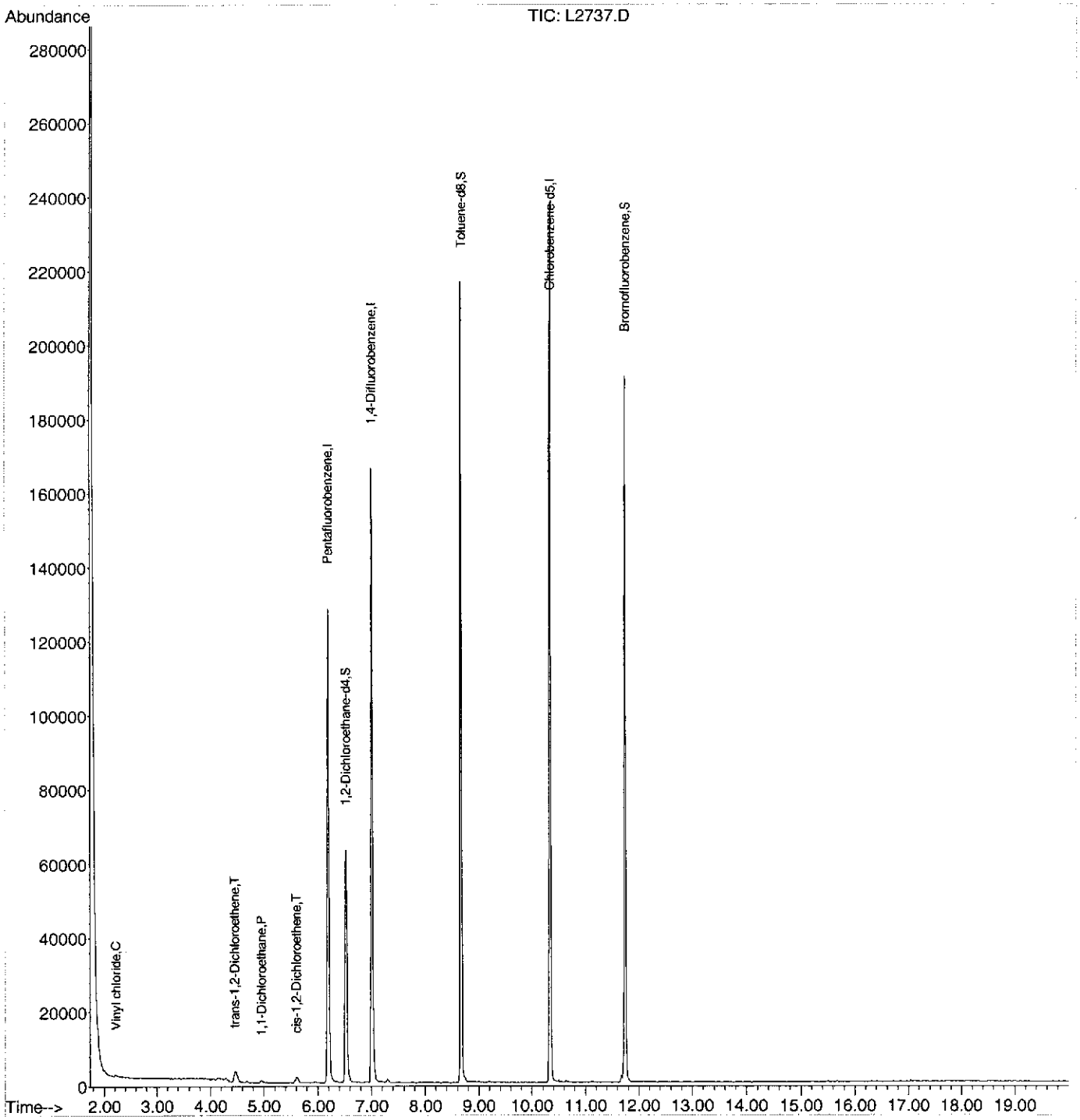
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.19	168	111963	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.00	114	169212	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	163900	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.53	65	52823	51.25	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 102.50%				
41) Toluene-d8	8.67	98	176725	49.54	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.08%				
59) Bromofluorobenzene	11.73	95	70846	47.79	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.58%				
Target Compounds							Qvalue
4) Vinyl chloride	2.22	62	1151	1.26	UG	#	86
16) trans-1,2-Dichloroethene	4.46	96	685	0.58	UG	#	94
18) 1,1-Dichloroethane	4.95	63	931	0.46	UG	#	96
20) cis-1,2-Dichloroethene	5.60	96	914	0.66	UG	#	68

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2737.D
Acq On : 15 Jan 2010 9:42
Operator : MEI
Sample : GP-103R,00249-008,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/08/10,01/08/09,
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Jan 15 11:01:31 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2738.D
Acq On : 15 Jan 2010 10:09
Operator : MEI
Sample : PTW-2,00249-009,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/08/10,01/08/09,
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Jan 15 11:02:37 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

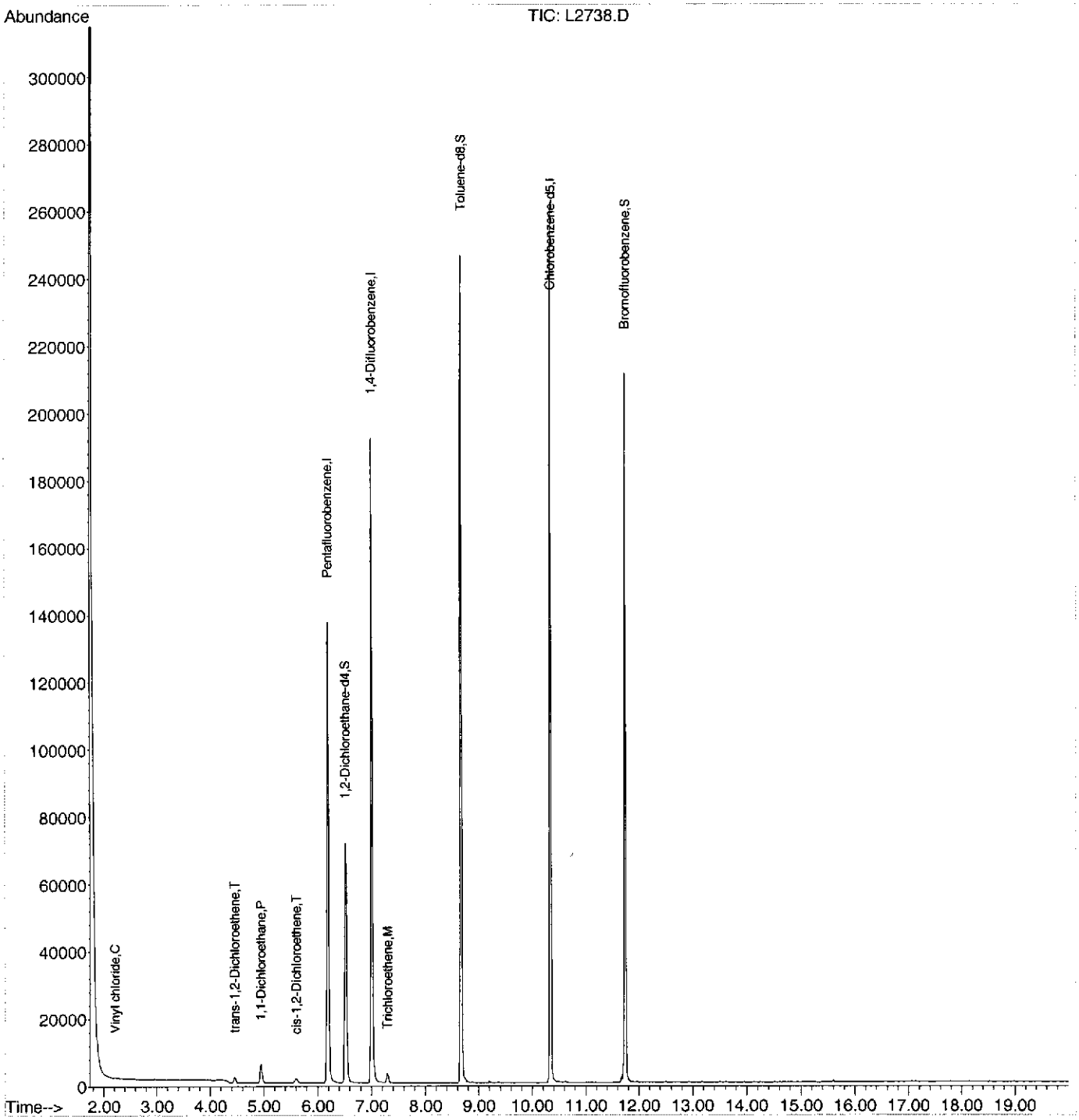
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.19	168	125279	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	185365	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	177164	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	59010	51.17	UG	-0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 102.34%			
41) Toluene-d8	8.66	98	195365	50.00	UG	-0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.00%			
59) Bromofluorobenzene	11.73	95	77424	48.31	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.62%			
Target Compounds						Qvalue
4) Vinyl chloride	2.21	62	674	0.66	UG	# 96
16) trans-1,2-Dichloroethene	4.46	96	1051	0.80	UG	# 100
18) 1,1-Dichloroethane	4.94	63	7654	3.37	UG	100
20) cis-1,2-Dichloroethene	5.60	96	793	0.51	UG	# 98
33) Trichloroethene	7.30	95	1102	0.79	UG	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2738.D
Acq On : 15 Jan 2010 10:09
Operator : MEI
Sample : PTW-2,00249-009,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/08/10,01/08/09,
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Jan 15 11:02:37 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2728.D
Acq On : 15 Jan 2010 5:41
Operator : MEI
Sample : TB(010810),00249-010,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/08/10,01/08/09,
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 15 10:42:32 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.19	168	141074	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	210024	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	203574	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.53	65	64791	49.89	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 99.78%			
41) Toluene-d8	8.67	98	222198	50.19	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.38%			
59) Bromofluorobenzene	11.73	95	88257	47.93	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.86%			

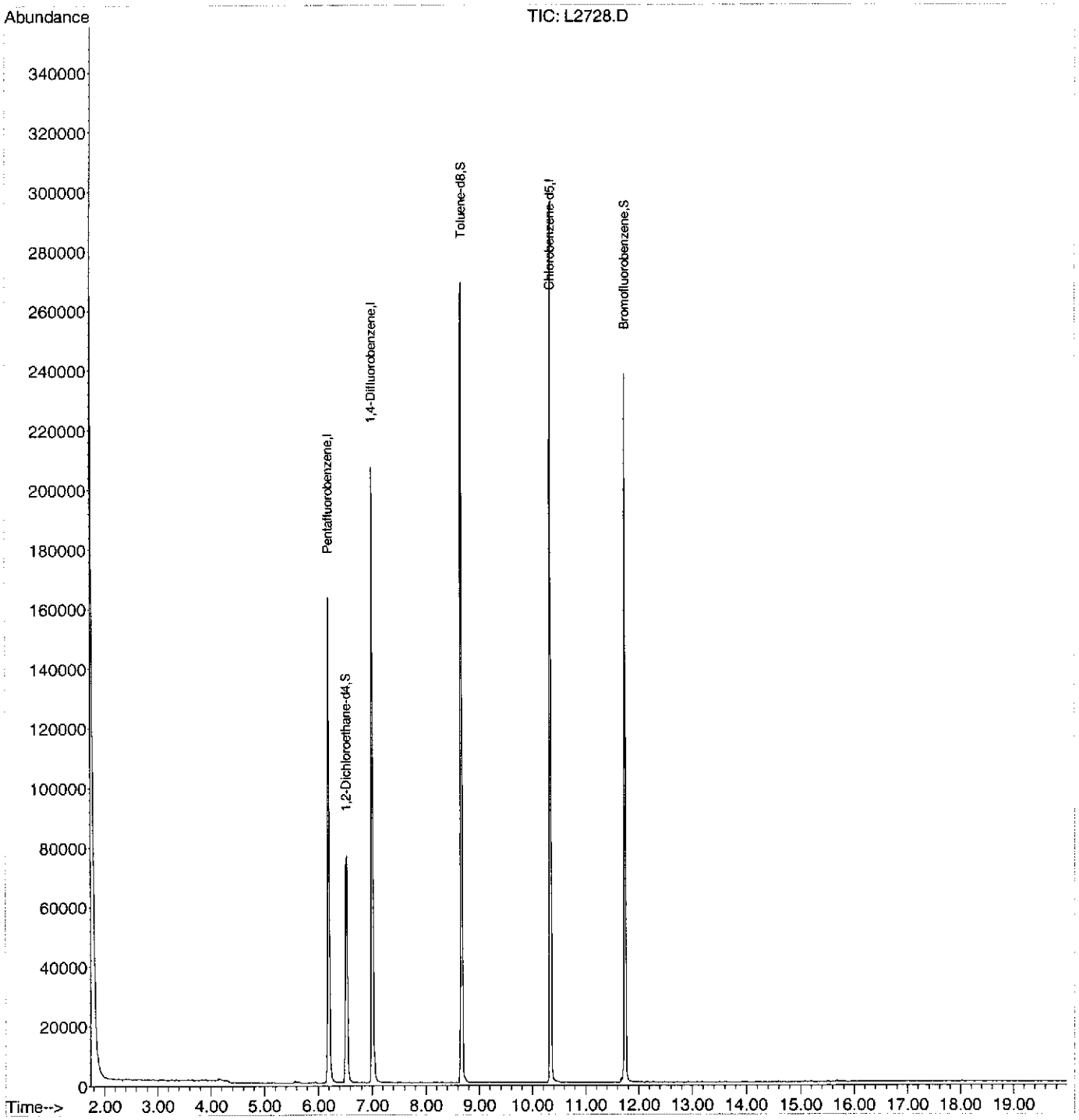
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2728.D
Acq On : 15 Jan 2010 5:41
Operator : MEI
Sample : TB(010810),00249-010,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/08/10,01/08/09,
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 15 10:42:32 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2739.D
Acq On : 15 Jan 2010 10:36
Operator : MEI
Sample : MW-6S,00249-011,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/08/10,01/08/09,
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Jan 15 11:11:27 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

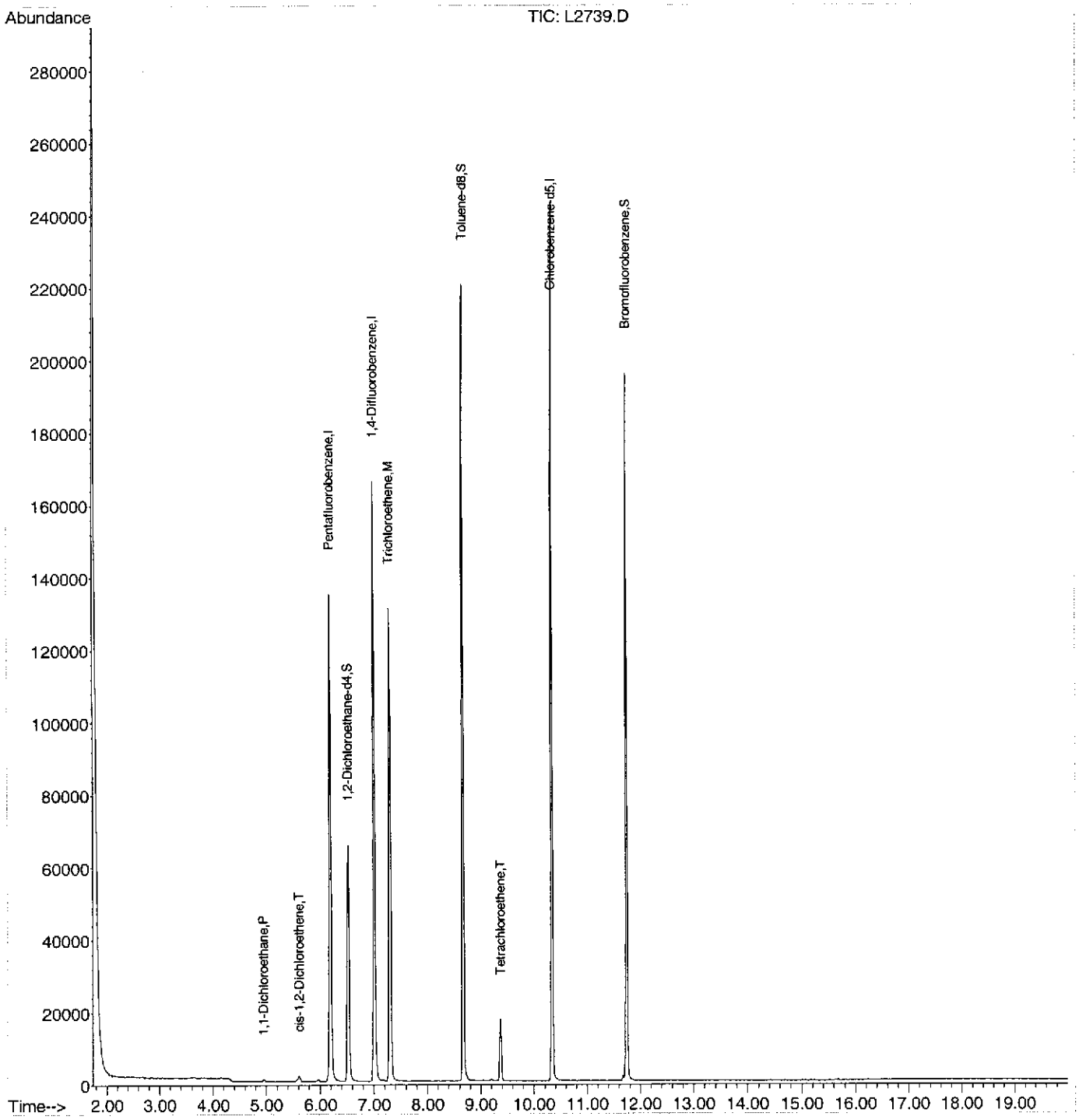
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.19	168	114152	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.00	114	168823	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	163431	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.53	65	53818	51.22	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 102.44%				
41) Toluene-d8	8.67	98	178797	50.24	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.48%				
59) Bromofluorobenzene	11.73	95	71446	48.33	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.66%				
Target Compounds							Qvalue
18) 1,1-Dichloroethane	4.94	63	695	0.34	UG	#	94
20) cis-1,2-Dichloroethene	5.61	96	819	0.58	UG	#	98
33) Trichloroethene	7.30	95	50892	40.28	UG		98
45) Tetrachloroethene	9.37	166	6589	5.17	UG	#	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2739.D
Acq On : 15 Jan 2010 10:36
Operator : MEI
Sample : MW-6S,00249-011,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,01/08/10,01/08/09,
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Jan 15 11:11:27 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2725.D
Acq On : 15 Jan 2010 4:21
Operator : MEI
Sample : NA,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jan 15 10:27:47 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.19	168	142372	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	212363	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	205400	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.53	65	65024	49.61	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery =	99.22%		
41) Toluene-d8	8.67	98	223410	49.90	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery =	99.80%		
59) Bromofluorobenzene	11.73	95	87847	47.28	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery =	94.56%		

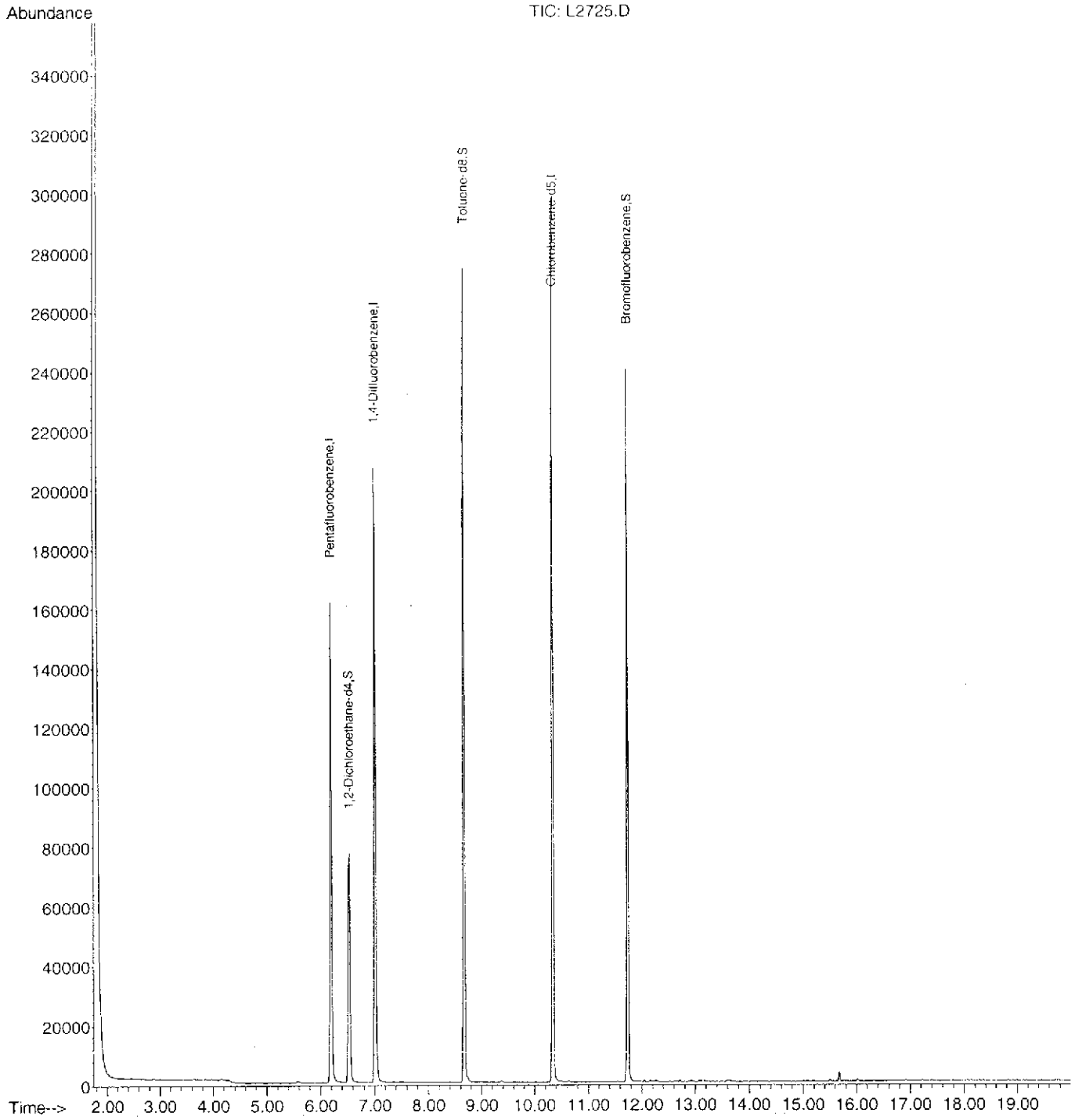
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2725.D
Acq On : 15 Jan 2010 4:21
Operator : MEI
Sample : NA,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jan 15 10:27:47 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Mon Jan 04 16:40:54 2010
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2725.D
Acq On : 15 Jan 2010 4:21
Operator : MEI
Sample : NA,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.191	432	440	454	rBV	161290	374363	65.80%	14.514%
2	6.526	465	473	492	rVB	76805	182834	32.13%	7.088%
3	7.003	514	520	535	rBV	206583	453296	79.67%	17.574%
4	8.668	674	684	698	rBV	273802	568961	100.00%	22.058%
5	10.333	842	848	860	rBV	297287	559601	98.35%	21.695%
6	11.734	979	986	1001	rBV	239757	434452	76.36%	16.843%
7	15.673	1367	1374	1380	rVB2	3114	5876	1.03%	0.228%

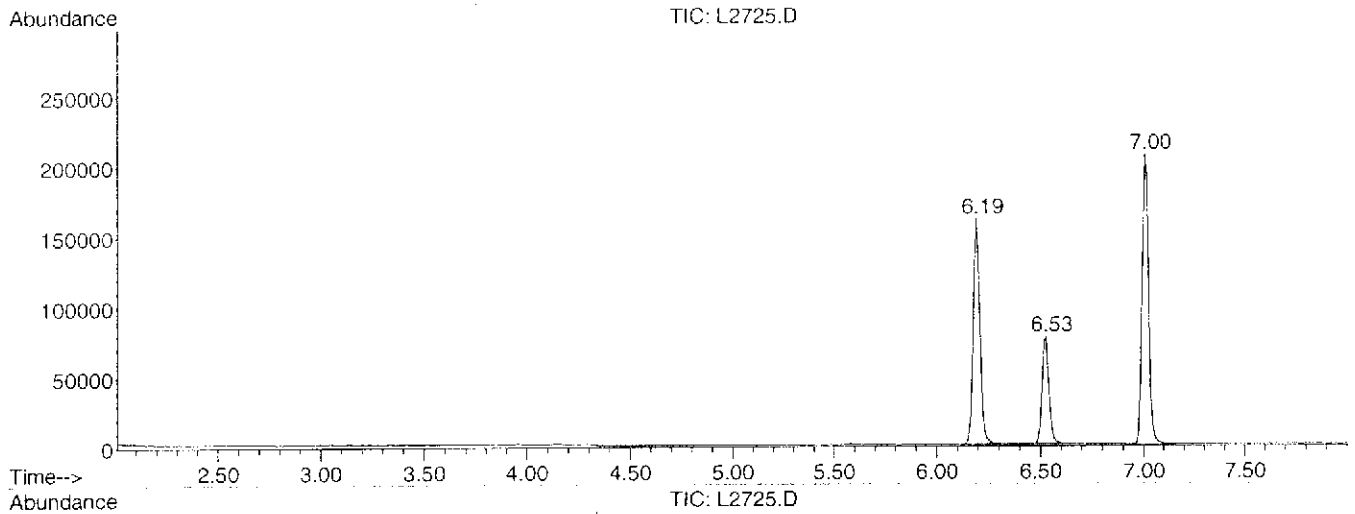
Sum of corrected areas: 2579383

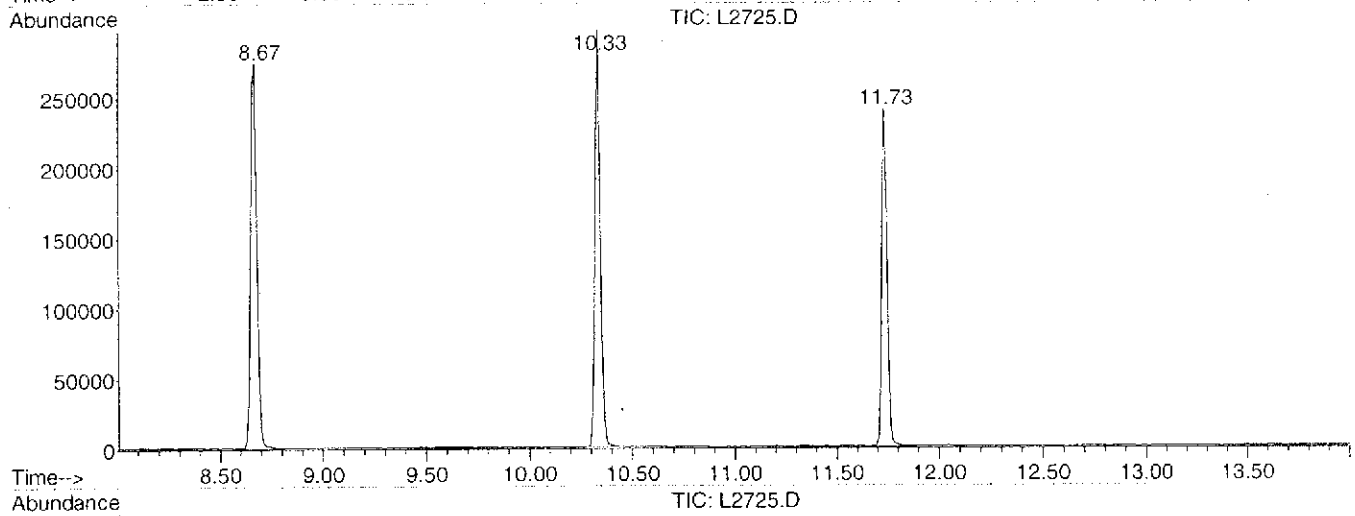
LSC Report - Integrated Chromatogram

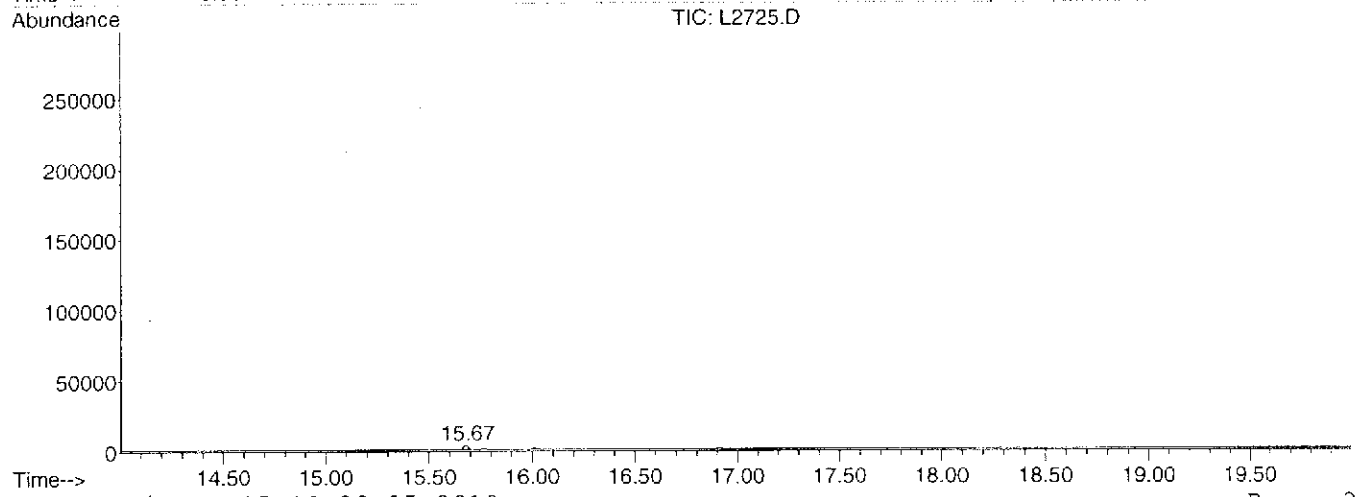
Data Path : C:\MSDChem\1\DATA\01-14-10\
Data File : L2725.D
Acq On : 15 Jan 2010 4:21
Operator : MEI
Sample : NA,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\LAM1231.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B

TIC Library : C:\DATABASE\NIST05A.L
TIC Integration Parameters: LSCINT.P







Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER INFO	
Company:	ARCADIS-US, Inc.
Address:	1 International Blvd
	Mahwah, NJ 07495
Telephone #:	201-684-1410
Fax #:	201-684-1420
EMAIL Address:	
Project Manager:	Eric Rodriguez
Sampler:	D. Kirschner / C. Ciffelli
Project Name:	Kings Electronics
Project Location (State):	New York
Bottle Order #:	
Quote #:	

REPORTING INFO	
REPORT TO:	ARCADIS-US, Inc
Address:	1 International Blvd
	Mahwah, NJ 07495
Attn:	Eric Rodriguez
FAX #	201-684-1420
INVOICE TO:	ARCADIS-US, Inc
Address:	1 International Blvd
	Mahwah, NJ 07495
Attn:	Eric Rodriguez
PO #	NJ000723.0005.0000.

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE.

PHC- MUST CHOOSE

DRO (3-5 day TAT) QAM025 (5 day TAT min.)

DRO (8015B) - used for: Fuel Oil #2/Home Heating Oil #1 /#2.
QAM-025 (OQA-QAM025) - used for: all other fuel oil and unknown contaminants.

Verbal/Fax 2 wk/Std
24 hr* 48 hr* 72 hr* 1 wk*

Hard Copy 3 wk/Std
Other *call for price

Results needed by:

Rush TAT Charge **
24 hr - 100%....
48 hr - 75%....
72 hr - 50%....
96 hr - 35%....
5 day - 25%....
6-9 day 10%

Report Format: Results Only; Reduced; Regulatory - 15% Surcharge applies; Other (describe)

EDD's: SRP. dbf format; lab approved custom EDD; NO EDD/CD REQ'D

Cooler Temp 4 °C

SAMPLE INFORMATION

Sample Matrix
DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	TAL #	VOC (15-mL) DCE	# BOTTLES & PRESERVATIVES: HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
FB(0:0700)		1/7/10	1330	AQ	2	1	2	2							
FB(0:0810)		1/8/10	0855	AQ	2	2	2	2							
MW-9D		1/7/10	1307	AQ	2	3	2	2							
MW-9SR		1/7/10	1225	AQ	2	4	2	2							
MW-13R		1/7/10	1140	AQ	2	5	2	2							
DUP (0:0710)		1/7/10	—	AQ	2	6	2	2							
GP-104R		1/8/10	1247	AQ	2	7	2	2							
GP-103R		1/8/10	1210	AQ	2	8	2	2							
PTW-2		1/8/10	1056	AQ	2	9	2	2							
TB(0:0800)		1/8/10	—	AQ	2	10	2	2							

ANALYTICAL PARAMETERS

Known Hazard: Yes or (No) Describe:

Conc. Expected: Low Med High

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

	Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:		1/8/09	1721	Received by:		
Relinquished by:				Received by:		
Relinquished by:				Received by:		
Relinquished by:				Received by:		
Relinquished by:				Received by:		

Comments:

Lab Case # 0249

PAGE: 1 of 2

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PROJECT INFORMATION

E10-00249

Case No. E10-00249 **Project** KINGS ELECTRONICS - VENDOR #1168636

Customer	Arcadis Geraghty & Miller	**P.O. #**	NJ000423.0005.0000
Contact	Eric Rodriguez	**Received**	1/8/2010 17:21
EMail	eric.rodriguez@arcadis-us.com ☐ EMail EDDs	**Verbal Due**	1/25/2010
Phone	(201) 684-1410 **Fax** 1(201) 684-1420	**Report Due**	2/1/2010

Report To

1 International Blvd.
Suite 406
Mahwah, NJ 07495
Attn: Eric Rodriguez

Bill To

640 Plaza Drive
Suite 130
Highlands Ranch, CO 80129
Attn: Eric Rodriguez

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
00249-001	FB(010710)	n/a	1/7/2010@13:30	Aqueous	ug/L	2
00249-002	FB(010810)	n/a	1/8/2010@08:55	Aqueous	ug/L	2
00249-003	MW-9D	n/a	1/7/2010@13:07	Aqueous	ug/L	2
00249-004	MW-9S	n/a	1/7/2010@12:25	Aqueous	ug/L	2
00249-005	MW-13R	n/a	1/7/2010@11:40	Aqueous	ug/L	2
00249-006	DUP(010710)	n/a	1/7/2010	Aqueous	ug/L	2
00249-007	GP-104R	n/a	1/8/2010@12:47	Aqueous	ug/L	2
00249-008	GP-103R	n/a	1/8/2010@12:10	Aqueous	ug/L	2
00249-009	PTW-2	n/a	1/8/2010@10:56	Aqueous	ug/L	2
00249-010	TB(010810)	n/a	1/8/2010	Aqueous	ug/L	2
00249-011	MW-6S	n/a	1/8/2010@13:47	Aqueous	ug/L	2

Sample #	Tests	Status	QA Method
001	PP VOA + Cis 1,2-DCE	Complete	8260B
002	PP VOA + Cis 1,2-DCE	Complete	8260B
003	PP VOA + Cis 1,2-DCE	Complete	8260B
004	PP VOA + Cis 1,2-DCE	Complete	8260B
005	PP VOA + Cis 1,2-DCE	Complete	8260B
006	PP VOA + Cis 1,2-DCE	Complete	8260B
007	PP VOA + Cis 1,2-DCE	Complete	8260B
008	PP VOA + Cis 1,2-DCE	Complete	8260B
009	PP VOA + Cis 1,2-DCE	Complete	8260B
010	PP VOA + Cis 1,2-DCE	Complete	8260B
011	PP VOA + Cis 1,2-DCE	Complete	8260B

01/12/2010 14:53 by katie - REV 1

As per Eric Rodriguez, change sample ID for sample 4 to read: MW-9S.

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER INFO	
Company:	ARCADIS - US, Inc
Address:	1 International Blvd
	Mahwah, NJ
Telephone #:	201 - 684 - 1410
Fax #:	201 - 684 - 1420
EMAIL Address:	
Project Manager:	Eric Rodriguez
Sampler:	C. Cefalu / D. Kirschner
Project Name:	Kings Electronics
Project Location (State):	New York
Bottle Order #:	
Quote #:	

REPORTING INFO	
REPORT TO:	ARCADIS - US, Inc
Address:	1 International Blvd
	Mahwah NJ 07495
Attn:	Eric Rodriguez
FAX #	201 - 684 - 1420
INVOICE TO:	ARCADIS - US, Inc
Address:	1 International Blvd
	Mahwah, NJ 07495
Attn:	Eric Rodriguez
PO #	NJ000423.0005.00001

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE.

PHC- MUST CHOOSE

DRO (3-5 day TAT) QAM025 (5 day TAT min.)

DRO (8015B) - used for: Fuel Oil #2/Home Heating Oil #1 /#2.
QAM-025 (OQA-QAM025) - used for: all other fuel oil and unknown contaminants.

Verbal/Fax: 24 hr* 48 hr* 72 hr* 1 wk* 2 wk/Std

Hard Copy: Other *call for price 3 wk/Std

Results needed by:

Rush TAT Charge **
24 hr - 100%....
48 hr - 75%....
72 hr - 50%....
96 hr - 35%....
5 day - 25%....
6-9 day 10%

Report Format
Results Only
Reduced
Regulatory - 15% Surcharge applies
Other (describe)

EDD's
SRP. dbf format
lab approved custom EDD
NO EDD/CD REQ'D

Cooler Temp 4 °C

SAMPLE INFORMATION

Sample Matrix

DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	ANALYTICAL PARAMETERS: VOC cis-1,2 DCE	# BOTTLES & PRESERVATIVES: HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
MW-6S		1/8/10	1347	AQ	2	11	2	2							

Known Hazard: Yes or No Describe:

Conc. Expected: Low Med High

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	1/8/10	1721	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 20219

PAGE: 2 of 2

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INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 10** **00249** CLIENT: Arced.5

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓ = YES/NA
✗ = NO

✓	Bottles Intact	
✓	no-Missing Bottles	
✓	no-Extra Bottles	
✓	Sufficient Sample Volume	
✓	no-headspace/bubbles in VOs	
✓	Labels intact/correct	
✓	pH Check (exclude VOs)[1]	
✓	Correct bottles/preservative	
✓	Sufficient Holding/Prep Time[1]	
	Sample to be Subcontracted	
✓	**Chain of Custody is Clear**	

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [ ] DATE 1/8/10

CORRECTIVE ACTION REQUIRED: **YES** [ ] (SEE BELOW) **NO** [X]

If COC is **NOT** clear, ***STOP*** until you get client to authorize/clarify work.

CLIENT NOTIFIED: YES [ ] Date/ Time: _____ NO [ ]

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL KN DATE 1/11/10

Laboratory Custody Chronicle

IAL Case No.

E10-00249

Client Arcadis Geraghty & Miller

Project KINGS ELECTRONICS - VENDOR #1168636

Received On 1/ 8/2009@17:21

Department: Volatiles			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
PP VOA + Cis 1,2-DCE	00249-001	Aqueous	n/a	n/a	1/15/10	Xing
"	-002	"	n/a	n/a	1/15/10	Xing
"	-003	"	n/a	n/a	1/15/10	Xing
"	-004	"	n/a	n/a	1/15/10	Xing
"	-005	"	n/a	n/a	1/15/10	Xing
"	-006	"	n/a	n/a	1/15/10	Xing
"	-007	"	n/a	n/a	1/15/10	Xing
"	-008	"	n/a	n/a	1/15/10	Xing
"	-009	"	n/a	n/a	1/15/10	Xing
"	-010	"	n/a	n/a	1/15/10	Xing
"	-011	"	n/a	n/a	1/15/10	Xing

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Arcadis Geraghty & Miller
1 International Blvd.
Suite 406
Mahwah, NJ 07495

Project Name: **KINGS ELECTRONICS - VENDOR #1168636**
IAL Case Number: **E09-10185**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

IAL Case No.

E09-10185

Client Arcadis Geraghty & Miller

Project KINGS ELECTRONICS - VENDOR #1168636

Received On 10/ 7/2009@15:05

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
10185-001	GP-104R	n/a	10/ 7/2009@10:32	Aqueous	2
10185-002	GP-103R	n/a	10/ 7/2009@09:42	Aqueous	2
10185-003	PTW-2	n/a	10/ 7/2009@12:02	Aqueous	2
10185-004	MW-13R	n/a	10/ 6/2009@12:43	Aqueous	2
10185-005	MW-9D	n/a	10/ 6/2009@10:59	Aqueous	2
10185-006	MW-9S	n/a	10/ 6/2009@12:05	Aqueous	2
10185-007	MW-6S	n/a	10/ 6/2009@11:14	Aqueous	2
10185-008	FB(100609)	n/a	10/ 6/2009@12:00	Aqueous	2
10185-009	FB(100709)	n/a	10/ 7/2009@10:20	Aqueous	2
10185-010	TB(100609)	n/a	10/ 6/2009	Aqueous	1
10185-011	DUP(100709)	n/a	10/ 7/2009	Aqueous	2

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INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

Q - Qualifier

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received eleven (11) aqueous sample(s) from Arcadis Geraghty & Miller (Project: KINGS ELECTRONICS - VENDOR #1168636) on October 7, 2009 for the analysis of:

(11) PP VOA + Cis 1,2-DCE
(1) VO Project Revision

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Jacqueline A Beyer
Reviewed by

10/21/09
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E09-10185

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E09-1085

		No	Yes
1.	Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2.	GC/MS Tuning Specifications: a. BFB Passed		✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4.	GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5.	GC/MS Calibration Requirements: a. Calibration Check Compounds		na
	b. System Performance Check Compounds		na
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7.	Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
	If not met, were the calculations checked and the results qualified as "estimated"?		na
8.	Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		na
9.	Internal Standard Area/Retention Time Shift meet criteria		✓
10.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:		na
11.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12.	Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

6/13/09
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Arcadis Geraghty & Miller
Project: KINGS ELECTRONICS - VENDOR #1168636
Lab Case No.: E09-10185

	Lab ID:	10185-001			10185-002			10185-003			10185-004		
	Client ID:	GP-104R			GP-103R			PTW-2			MW-13R		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	10/7/09			10/7/09			10/7/09			10/6/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		1.48		0.470	5.61		0.470	0.632		0.470	0.673		0.470
trans-1,2-Dichloroethene		0.971		0.340	0.479		0.340	0.384		0.340	ND		0.340
1,1-Dichloroethane		0.931		0.260	0.620		0.260	1.41		0.260	1.20		0.260
cis-1,2-Dichloroethene		1.26		0.270	2.21		0.270	2.19		0.270	0.668		0.270
Trichloroethene		0.591		0.310	0.541		0.310	1.14		0.310	1.08		0.310
TOTAL VO's:		5.23			9.46			5.76			3.62		

	Lab ID:	10185-005			10185-006			10185-007			10185-008		
	Client ID:	MW-9D			MW-9S			MW-6S			FB(100609)		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	10/6/09			10/6/09			10/6/09			10/6/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		ND		0.470	1.15		0.470	ND		0.470	ND		0.470
trans-1,2-Dichloroethene		ND		0.340	0.934		0.340	ND		0.340	ND		0.340
1,1-Dichloroethane		ND		0.260	0.646		0.260	ND		0.260	ND		0.260
cis-1,2-Dichloroethene		ND		0.270	0.687		0.270	ND		0.270	ND		0.270
Trichloroethene		ND		0.310	ND		0.310	18.5		0.310	ND		0.310
Tetrachloroethene		ND		0.300	ND		0.300	2.49		0.300	ND		0.300
TOTAL VO's:		ND			3.42			21.0			ND		

	Lab ID:	10185-009			10185-010			10185-011		
	Client ID:	FB(100709)			TB(100609)			DUP(100709)		
	Matrix:	Aqueous			Aqueous			Aqueous		
	Sampled Date	10/7/09			10/6/09			10/7/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		ND		0.470	ND		0.470	2.29		0.470
trans-1,2-Dichloroethene		ND		0.340	ND		0.340	1.22		0.340
1,1-Dichloroethane		ND		0.260	ND		0.260	1.21		0.260
cis-1,2-Dichloroethene		ND		0.270	ND		0.270	1.53		0.270
Trichloroethene		ND		0.310	ND		0.310	0.731		0.310
TOTAL VO's:		ND			ND			6.98		

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 10185-001
Client ID: GP-104R
Date Received: 10/07/2009
Date Analyzed: 10/09/2009
Data file: L0998.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	1.48		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	0.971		0.340
1,1-Dichloroethane	0.931		0.260
cis-1,2-Dichloroethene	1.26		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	0.591		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	ND		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 5.23

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 10185-002
Client ID: GP-103R
Date Received: 10/07/2009
Date Analyzed: 10/09/2009
Data file: L1000.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	5.61		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	0.479		0.340
1,1-Dichloroethane	0.620		0.260
cis-1,2-Dichloroethene	2.21		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	0.541		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	ND		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 9.46

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 10185-003
Client ID: PTW-2
Date Received: 10/07/2009
Date Analyzed: 10/09/2009
Data file: L1002.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	0.632		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	0.384		0.340
1,1-Dichloroethane	1.41		0.260
cis-1,2-Dichloroethene	2.19		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	1.14		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	ND		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 5.76

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 10185-004
Client ID: MW-13R
Date Received: 10/07/2009
Date Analyzed: 10/09/2009
Data file: L0999.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	0.673		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	ND		0.340
1,1-Dichloroethane	1.20		0.260
cis-1,2-Dichloroethene	0.668		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	1.08		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	ND		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 3.62

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 10185-005
Client ID: MW-9D
Date Received: 10/07/2009
Date Analyzed: 10/13/2009
Data file: L1053.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	ND		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	ND		0.340
1,1-Dichloroethane	ND		0.260
cis-1,2-Dichloroethene	ND		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	ND		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	ND		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 10185-006
Client ID: MW-9S
Date Received: 10/07/2009
Date Analyzed: 10/13/2009
Data file: L1054.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	1.15		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	0.934		0.340
1,1-Dichloroethane	0.646		0.260
cis-1,2-Dichloroethene	0.687		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	ND		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	ND		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 3.42

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 10185-007
Client ID: MW-6S
Date Received: 10/07/2009
Date Analyzed: 10/09/2009
Data file: L0997.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	ND		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	ND		0.340
1,1-Dichloroethane	ND		0.260
cis-1,2-Dichloroethene	ND		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	18.5		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	2.49		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 21.0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 10185-008
Client ID: FB(100609)
Date Received: 10/07/2009
Date Analyzed: 10/09/2009
Data file: L0990.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	ND		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	ND		0.340
1,1-Dichloroethane	ND		0.260
cis-1,2-Dichloroethene	ND		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	ND		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	ND		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 10185-009
Client ID: FB(100709)
Date Received: 10/07/2009
Date Analyzed: 10/09/2009
Data file: L0991.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	ND		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	ND		0.340
1,1-Dichloroethane	ND		0.260
cis-1,2-Dichloroethene	ND		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	ND		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	ND		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 10185-010
Client ID: TB(100609)
Date Received: 10/07/2009
Date Analyzed: 10/09/2009
Data file: L0992.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	ND		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	ND		0.340
1,1-Dichloroethane	ND		0.260
cis-1,2-Dichloroethene	ND		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	ND		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	ND		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 10185-011
Client ID: DUP(100709)
Date Received: 10/07/2009
Date Analyzed: 10/13/2009
Data file: L1055.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	2.29		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	1.22		0.340
1,1-Dichloroethane	1.21		0.260
cis-1,2-Dichloroethene	1.53		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	0.731		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	ND		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 6.98

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: L0892.D

BFB Injection Date: 10/06/2009

Inst ID: MSD_L

BFB Injection Time: 9:38

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	19.1			
75	30.0 - 60.0% of mass 95	55.0			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.7			
173	Less than 2.0% of mass 174	0.4	(	0.7	)1
174	Great than 50.0% of mass 95	62.7			
175	5.0 - 9.0% of mass 174	4.5	(	7.2	)1
176	95.0 - 101.0% of mass 174	63.3	(	100.9	)1
177	5.0 - 9.0% of mass 176	4.3	(	6.8	)2
	1-Value is % mass 174	2-Value is % mass 176			

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
1PPB	STD1PPB	L0893.D	10/06/2009	10:05
5PPB	STD-5PPB	L0895.D	10/06/2009	11:09
20PPB	STD-20PPB	L0897.D	10/06/2009	12:55
100PPB	STD-100PPB	L0899.D	10/06/2009	13:53
150PPB	STD-150PPB	L0900.D	10/06/2009	14:23
200PPB	STD-200PPB	L0901.D	10/06/2009	14:54
N/A	METHOD-BLK	L0905.D	10/06/2009	17:12
NS-MW-7/12.69	09991-001	L0906.D	10/06/2009	17:41
LCS-50PPB	BLK-SPK	L0907.D	10/06/2009	18:09
MS	09991-001MS	L0908.D	10/06/2009	18:37
MSD	09991-001MSD	L0909.D	10/06/2009	19:06
NS-MW-6/12.58	09991-002	L0910.D	10/06/2009	19:33
NS-MW-3/7.79	09991-003	L0911.D	10/06/2009	20:00
NS-MW-4/9.43	09991-004	L0912.D	10/06/2009	20:27
NS-MW-2/8.62	09991-006	L0914.D	10/06/2009	21:21

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: L0983.D

BFB Injection Date: 10/09/2009

Inst ID: MSD_L

BFB Injection Time: 10:14

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	19.1			
75	30.0 - 60.0% of mass 95	53.5			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	5.4			
173	Less than 2.0% of mass 174	0.5	(	0.9	)1
174	Great than 50.0% of mass 95	56.2			
175	5.0 - 9.0% of mass 174	4.2	(	7.5	)1
176	95.0 - 101.0% of mass 174	56.7	(	100.9	)1
177	5.0 - 9.0% of mass 176	5.0	(	8.9	)2
	1-Value is % mass 174	2-Value is % mass 176			

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
100PPB	STD-210PPB	L0984.D	10/09/2009	10:41
N/A	METHOD-BLK	L0987.D	10/09/2009	12:13
FB	10152-006	L0988.D	10/09/2009	12:41
TB	10152-007	L0989.D	10/09/2009	13:10
FB(100609)	10185-008	L0990.D	10/09/2009	13:38
FB(100709)	10185-009	L0991.D	10/09/2009	14:07
TB(100609)	10185-010	L0992.D	10/09/2009	14:36
BLDG_710	10175-001	L0993.D	10/09/2009	15:05
LCS-50PPB	BLK-SPK	L0994.D	10/09/2009	15:36
MS	10152-006MS	L0995.D	10/09/2009	16:06
MSD	10152-006MSD	L0996.D	10/09/2009	16:35
MW-6S	10185-007	L0997.D	10/09/2009	17:03
GP-104R	10185-001	L0998.D	10/09/2009	17:31
MW-13R	10185-004	L0999.D	10/09/2009	18:01
GP-103R	10185-002	L1000.D	10/09/2009	18:30
PTW-2	10185-003	L1002.D	10/09/2009	19:29

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: L1039.D

BFB Injection Date: 10/13/2009

Inst ID: MSD_L

BFB Injection Time: 9:57

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	19.2			
75	30.0 - 60.0% of mass 95	52.5			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	5.9			
173	Less than 2.0% of mass 174	0.6	(	1.2	)1
174	Great than 50.0% of mass 95	51.0			
175	5.0 - 9.0% of mass 174	4.5	(	8.9	)1
176	95.0 - 101.0% of mass 174	50.6	(	99.2	)1
177	5.0 - 9.0% of mass 176	3.2	(	6.3	)2
	1-Value is % mass 174	2-Value is % mass 176			

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
100PPB	STD-100PPB	L1040.D	10/13/2009	10:24
N/A	METHOD-BLK	L1044.D	10/13/2009	12:20
TCLP	TCLP-BLK	L1045.D	10/13/2009	12:48
WASTE_CLASS	10308-001	L1046.D	10/13/2009	13:16
ROLL_OFF_LIME	10340-001	L1047.D	10/13/2009	13:44
FWPH_SOILS	10340-002	L1048.D	10/13/2009	14:12
TCLP	TCLP-SPK	L1049.D	10/13/2009	14:40
LCS-50PPB	BLK-SPK	L1050.D	10/13/2009	15:09
MS	10152-001MS	L1051.D	10/13/2009	15:38
MSD	10152-001MSD	L1052.D	10/13/2009	16:06
MW-9D	10185-005	L1053.D	10/13/2009	16:34
MW-9S	10185-006	L1054.D	10/13/2009	17:02
DUP(100709)	10185-011	L1055.D	10/13/2009	17:30
MW-1	10152-001	L1058.D	10/13/2009	18:55
MW-3	10152-003	L1059.D	10/13/2009	19:23
MW-2R	10152-002	L1060.D	10/13/2009	19:50
MW-5R	10152-005	L1062.D	10/13/2009	20:45
MW-4R	10152-004	L1064.D	10/13/2009	21:38

VOLATILE METHOD BLANK SUMMARY

Lab File ID: L0987.D Instrument ID: MSD_L

Date Analyzed: 10/09/2009 Time Analyzed: 12:13

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FB	10152-006	10/09/2009	12:41
TB	10152-007	10/09/2009	13:10
FB(100609)	10185-008	10/09/2009	13:38
FB(100709)	10185-009	10/09/2009	14:07
TB(100609)	10185-010	10/09/2009	14:36
BLDG_710	10175-001	10/09/2009	15:05
LCS-50PPB	BLK-SPK	10/09/2009	15:36
MS	10152-006MS	10/09/2009	16:06
MSD	10152-006MSD	10/09/2009	16:35
MW-6S	10185-007	10/09/2009	17:03
GP-104R	10185-001	10/09/2009	17:31
MW-13R	10185-004	10/09/2009	18:01
GP-103R	10185-002	10/09/2009	18:30
PTW-2	10185-003	10/09/2009	19:29

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: N/A
Date Received:
Date Analyzed: 10/09/2009
Data file: L0987.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	ND		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	ND		0.340
1,1-Dichloroethane	ND		0.260
cis-1,2-Dichloroethene	ND		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	ND		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	ND		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 0

VOLATILE METHOD BLANK SUMMARY

Lab File ID: L1044.D

Instrument ID: MSD_L

Date Analyzed: 10/13/2009

Time Analyzed: 12:20

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
TCLP	TCLP-BLK	10/13/2009	12:48
WASTE_CLASS	10308-001	10/13/2009	13:16
ROLL_OFF_LIME	10340-001	10/13/2009	13:44
FWPH_SOILS	10340-002	10/13/2009	14:12
TCLP	TCLP-SPK	10/13/2009	14:40
LCS-50PPB	BLK-SPK	10/13/2009	15:09
MS	10152-001MS	10/13/2009	15:38
MSD	10152-001MSD	10/13/2009	16:06
MW-9D	10185-005	10/13/2009	16:34
MW-9S	10185-006	10/13/2009	17:02
DUP(100709)	10185-011	10/13/2009	17:30
MW-1	10152-001	10/13/2009	18:55
MW-3	10152-003	10/13/2009	19:23
MW-2R	10152-002	10/13/2009	19:50
MW-5R	10152-005	10/13/2009	20:45
MW-4R	10152-004	10/13/2009	21:38

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: N/A
Date Received:
Date Analyzed: 10/13/2009
Data file: L1044.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Chloromethane	ND		0.930
Vinyl chloride	ND		0.470
Bromomethane	ND		0.950
Chloroethane	ND		0.170
Trichlorofluoromethane	ND		0.310
Acrolein	ND		1.74
1,1-Dichloroethene	ND		0.360
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.16
trans-1,2-Dichloroethene	ND		0.340
1,1-Dichloroethane	ND		0.260
cis-1,2-Dichloroethene	ND		0.270
Chloroform	ND		0.220
1,1,1-Trichloroethane	ND		0.250
Carbon tetrachloride	ND		0.280
1,2-Dichloroethane (EDC)	ND		0.240
Benzene	ND		0.290
Trichloroethene	ND		0.310
1,2-Dichloropropane	ND		0.280
Bromodichloromethane	ND		0.250
2-Chloroethyl vinyl ether	ND		0.400
cis-1,3-Dichloropropene	ND		0.140
Toluene	ND		0.300
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.240
Tetrachloroethene	ND		0.300
Dibromochloromethane	ND		0.330
Chlorobenzene	ND		0.170
Ethylbenzene	ND		0.240
Total Xylenes	ND		0.740
Bromoform	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.190
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
1,2-Dichlorobenzene	ND		0.110

Total Target Compounds: 0

Response Factor Report MSD_L

Method Path : C:\MSDCHEM\1\METHODS\
Method File : LAW1006.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue Oct 06 17:04:43 2009
Response Via : Initial Calibration

Calibration Files
100 =L0899.D 200 =L0901.D 150 =L0900.D
1 =L0893.D 20 =L0897.D 5 =L0895.D

		Compound	100	200	150	1	20	5	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluorom	0.637	0.497	0.518	0.576	0.632	0.639	0.583	10.90
3)	P	Chloromethane	0.841	0.815	0.795	0.871	0.977	0.988	0.881	9.35
4)	C	Vinyl chloride	0.796	0.695	0.699	0.654	0.867	0.891	0.767	12.89
5)	T	Bromomethane	0.301	0.255	0.301	0.263	0.355	0.353	0.305	13.99
6)	T	Chloroethane	0.343	0.281	0.261	0.282	0.320	0.333	0.303	10.95
7)	T	Trichlorofluorome	0.668	0.524	0.553	0.528	0.719	0.628	0.603	13.39
8)	T	Acrolein	0.082	0.072	0.062	0.054	0.066	0.074	0.068	14.44
9)	MC	1,1-Dichloroethen	0.621	0.557	0.551	0.524	0.671	0.696	0.603	11.67
0)	T	Acetone	0.162	0.151	0.144	0.199	0.190	0.161	0.168	13.04
1)	T	Carbon disulfide	2.059	1.929	1.905	1.411	2.075	1.848	1.871	12.95
2)	T	Vinyl acetate	2.830	2.619	2.546	2.394	3.126	2.992	2.751	10.17
3)	T	Methylene chlorid	0.825	0.777	0.751	0.938	0.971	1.021	0.881	12.63
4)	T	Acrylonitrile	0.307	0.279	0.241	0.212	0.228	0.239	0.251	14.03
5)	T	tert-Butyl alcoho	0.093	0.089	0.084	0.079	0.076	0.061	0.080	14.12
6)	T	trans-1,2-Dichlor	0.847	0.831	0.792	0.645	0.877	0.867	0.810	10.62
7)	T	Methyl tert-butyl	2.863	2.908	2.718	2.390	3.074	3.031	2.831	8.84
8)	P	1,1-Dichloroethan	1.649	1.611	1.523	1.478	1.763	1.770	1.632	7.38
9)	T	Diisopropyl ether	2.865	2.741	2.615	2.733	3.202	3.190	2.891	8.61
0)	T	cis-1,2-Dichloroe	0.941	0.946	0.884	0.790	0.993	1.001	0.926	8.50
1)	T	2,2-Dichloropropa	1.253	1.160	1.142	0.905	1.286	1.183	1.155	11.63
2)	T	2-Butanone (MEK)	0.368	0.352	0.331	0.297	0.406	0.424	0.363	12.96
3)	T	Bromochloromethan	0.385	0.386	0.358	0.308	0.406	0.394	0.373	9.55
5)	C	Chloroform	1.678	1.650	1.562	1.476	1.800	1.812	1.663	7.91
6)	T	1,1,1-Trichloroet	1.183	1.133	1.094	0.805	1.182	1.103	1.083	13.07
7)	T	Carbon tetrachlor	0.701	0.763	0.681	0.503	0.778	0.767	0.699	14.86
8)	T	1,1-Dichloroprope	1.135	1.053	1.025	0.823	1.137	1.152	1.054	11.82
9)	T	1,2-Dichloroethan	1.410	1.332	1.291	1.350	1.597	1.652	1.439	10.43
0)	S	1,2-Dichloroethan	0.773	0.758	0.767	0.806	0.818	0.831	0.792	3.81
1)	I	1,4-Difluorobenzene	----------ISTD----------							
2)	M	Benzene	2.067	2.079	1.952	1.762	2.106	2.092	2.010	6.64
3)	M	Trichloroethene	0.493	0.492	0.467	0.415	0.491	0.493	0.475	6.54
4)	C	1,2-Dichloropropa	0.524	0.521	0.491	0.467	0.545	0.544	0.515	6.01
5)	T	Dibromomethane	0.340	0.339	0.317	0.230	0.350	0.336	0.319	14.03
6)	T	1,4-Dioxane	0.004	0.004	0.004	0.003	0.004	0.003	0.004	14.49
7)	T	Bromodichlorometh	0.712	0.727	0.678	0.507	0.654	0.562	0.640	13.63
8)	T	2-Chloroethyl vin	0.366	0.373	0.344	0.284	0.357	0.319	0.340	9.89
9)	T	cis-1,3-Dichlorop	0.907	0.905	0.808	0.592	0.855	0.743	0.802	14.98
0)	T	4-Methyl-2-pentan	0.467	0.459	0.430	0.387	0.469	0.437	0.441	7.04
1)	S	Toluene-d8	1.192	1.161	1.181	1.196	1.182	1.205	1.186	1.28
2)	MC	Toluene	1.220	1.217	1.144	1.023	1.210	1.185	1.167	6.50
3)	T	trans-1,3-Dichlor	0.868	0.879	0.821	0.606	0.794	0.658	0.771	14.70
4)	T	1,1,2-Trichloroet	0.406	0.409	0.379	0.308	0.411	0.397	0.385	10.29
5)	T	Tetrachloroethene	0.305	0.299	0.285	0.252	0.295	0.294	0.288	6.53
6)	T	1,3-Dichloropropa	0.836	0.834	0.786	0.669	0.866	0.838	0.805	8.88
7)	T	2-Hexanone	0.330	0.329	0.307	0.217	0.326	0.284	0.299	14.61
8)	T	Dibromochlorometh	0.269	0.289	0.284	0.187	0.259	0.276	0.261	14.44
9)	T	1,2-Dibromoethane	0.445	0.448	0.417	0.308	0.446	0.415	0.413	13.02
0)	I	Chlorobenzene-d5	----------ISTD----------							
1)	MP	Chlorobenzene	1.204	1.207	1.143	1.136	1.251	1.270	1.202	4.54
2)	T	1,1,1,2-Tetrachlo	0.351	0.339	0.366	0.241	0.322	0.304	0.320	13.95

3)	C	Ethylbenzene	2.008	1.988	1.886	1.746	2.072	2.067	1.961	6.38
4)	T	m,p-Xylene	0.742	0.711	0.691	0.603	0.741	0.725	0.702	7.44
5)	T	o-Xylene	0.776	0.769	0.741	0.607	0.776	0.755	0.737	8.87
6)	T	Styrene	1.445	1.436	1.383	1.004	1.418	1.332	1.336	12.58
7)	P	Bromoform	0.197	0.172	0.156	0.165	0.174	0.138	0.167	11.93
8)	T	Isopropylbenzene	1.496	1.476	1.412	1.264	1.510	1.458	1.436	6.33
9)	S	Bromofluorobenzen	0.532	0.537	0.536	0.531	0.537	0.547	0.537	1.08
0)	P	1,1,2,2-Tetrachlo	0.642	0.648	0.616	0.424	0.637	0.590	0.593	14.37
1)	T	Bromobenzene	0.430	0.446	0.417	0.354	0.433	0.406	0.414	7.87
2)	T	1,2,3-Trichloropr	0.526	0.530	0.497	0.384	0.556	0.549	0.507	12.56
3)	T	n-Propylbenzene	1.773	1.739	1.665	1.551	1.793	1.773	1.716	5.38
4)	T	2-Chlorotoluene	1.306	1.314	1.236	1.149	1.355	1.349	1.285	6.15
5)	T	1,3,5-Trimethylbe	1.237	1.233	1.179	1.099	1.263	1.226	1.206	4.88
6)	T	4-Chlorotoluene	1.543	1.531	1.461	1.411	1.594	1.586	1.521	4.73
7)	T	tert-Butylbenzene	0.853	0.863	0.805	0.780	0.859	0.829	0.832	4.00
8)	T	1,2,4-Trimethylbe	1.304	1.318	1.252	1.133	1.362	1.300	1.278	6.21
9)	T	sec-Butylbenzene	1.236	1.209	1.162	1.055	1.228	1.172	1.177	5.66
0)	T	1,3-Dichlorobenze	0.686	0.714	0.657	0.611	0.700	0.671	0.673	5.42
1)	T	4-Isopropyltoluen	0.986	0.972	0.925	0.826	0.999	0.939	0.941	6.68
2)	T	1,4-Dichlorobenze	0.717	0.746	0.694	0.644	0.742	0.710	0.709	5.26
3)	T	n-Butylbenzene	0.577	0.577	0.550	0.483	0.554	0.520	0.544	6.68
4)	T	1,2-Dichlorobenze	0.696	0.735	0.674	0.573	0.710	0.691	0.680	8.30
5)	T	1,2-Dibromo-3-chl	0.079	0.077	0.076	0.078	0.093	0.064	0.078	11.93
6)	T	1,2,4-Trichlorobe	0.374	0.411	0.378	0.372	0.367	0.340	0.374	6.11
7)	T	Hexachlorobutadie	0.140	0.149	0.139	0.163	0.135	0.134	0.143	7.65
8)	T	Naphthalene	1.188	1.286	1.173	1.084	1.176	1.026	1.155	7.80
9)	T	1,2,3-Trichlorobe	0.347	0.389	0.351	0.350	0.339	0.324	0.350	6.16
0)	T	1,1,2-Trichloro-1	0.299	0.231	0.248	0.340	0.308	0.314	0.290	14.34
1)	T	Methyl acetate	0.270	0.262	0.249	0.272	0.310	0.329	0.282	10.96
2)	T	Cyclohexane	0.479	0.385	0.396	0.508	0.493	0.430	0.448	11.63
3)	T	Methylcyclohexane	0.291	0.229	0.238	0.204	0.281	0.278	0.253	13.73

#) = Out of Range

W1006.M Tue Oct 06 17:04:49 2009 RPT1

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\10-09-09\
Data File : L0984.D
Acq On : 9 Oct 2009 10:41
Operator : MEI
Sample : 100PPB,STD-210PPB,A,5ml,100
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 12 10:35:23 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 35% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	118	0.00
2	T	Dichlorodifluoromethane	0.583	0.474	18.7	88	0.00
3	P	Chloromethane	0.881	0.878	0.3	123	0.00
4	C	Vinyl chloride	0.767	0.795	-3.7	118	0.00
5	T	Bromomethane	0.305	0.398	-30.5	156	0.00
6	T	Chloroethane	0.303	0.401	-32.3	138	0.00
7	T	Trichlorofluoromethane	0.603	0.522	13.4	92	0.00
8	T	Acrolein	0.068	0.065	4.4	93	0.00
9	MC	1,1-Dichloroethene	0.603	0.658	-9.1	125	-0.01
10	T	Acetone	0.168	0.185	-10.1	135	0.00
11	T	Carbon disulfide	1.871	2.319	-23.9	133	0.00
12	T	Vinyl acetate	2.751	2.515	8.6	105	0.00
13	T	Methylene chloride	0.881	0.942	-6.9	135	0.00
14	T	Acrylonitrile	0.251	0.224	10.8	86	0.00
15	T	tert-Butyl alcohol (TBA)	0.080	0.068	15.0	87	0.00
16	T	trans-1,2-Dichloroethene	0.810	0.786	3.0	109	0.00
17	T	Methyl tert-butyl ether (MT	2.831	2.415	14.7	99	0.00
18	P	1,1-Dichloroethane	1.632	1.489	8.8	106	0.00
19	T	Diisopropyl ether (DIPE)	2.891	2.677	7.4	110	0.00
20	T	cis-1,2-Dichloroethene	0.926	0.877	5.3	110	0.00
21	T	2,2-Dichloropropane	1.155	1.107	4.2	104	0.00
22	T	2-Butanone (MEK)	0.363	0.312	14.0	100	0.00
23	T	Bromochloromethane	0.373	0.351	5.9	107	0.00
25	C	Chloroform	1.663	1.520	8.6	107	0.00
26	T	1,1,1-Trichloroethane	1.083	1.022	5.6	102	0.00
27	T	Carbon tetrachloride	0.699	0.762	-9.0	128	0.00
28	T	1,1-Dichloropropene	1.054	1.001	5.0	104	0.00
29	T	1,2-Dichloroethane (EDC)	1.439	1.264	12.2	106	0.00
30	S	1,2-Dichloroethane-d4	0.792	0.718	9.3	110	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	120	0.00
32	M	Benzene	2.010	1.893	5.8	110	0.00
33	M	Trichloroethene	0.475	0.429	9.7	105	0.00
34	C	1,2-Dichloropropane	0.515	0.484	6.0	111	0.00
35	T	Dibromomethane	0.319	0.295	7.5	104	0.00
36	T	1,4-Dioxane	0.004	0.003	25.0	82	0.00
37	T	Bromodichloromethane	0.640	0.625	2.3	106	0.00
38	T	2-Chloroethyl vinyl ether	0.340	0.269	20.9	89	0.00
39	T	cis-1,3-Dichloropropene	0.802	0.805	-0.4	107	0.00
40	T	4-Methyl-2-pentanone (MIBK)	0.441	0.349	20.9	90	0.00
41	S	Toluene-d8	1.186	1.205	-1.6	121	0.00
42	MC	Toluene	1.167	1.111	4.8	109	0.00
43	T	trans-1,3-Dichloropropene	0.771	0.744	3.5	103	0.00
44	T	1,1,2-Trichloroethane	0.385	0.346	10.1	102	0.00
45	T	Tetrachloroethene	0.288	0.268	6.9	106	0.00
46	T	1,3-Dichloropropane	0.805	0.726	9.8	104	0.00

47	T	2-Hexanone	0.299	0.250	16.4	91	0.00
48	T	Dibromochloromethane	0.261	0.349	-33.7	156	0.00
49	T	1,2-Dibromoethane (EDB)	0.413	0.380	8.0	103	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	124	0.00
51	MP	Chlorobenzene	1.202	1.085	9.7	111	0.00
52	T	1,1,1,2-Tetrachloroethane	0.320	0.347	-8.4	122	0.00
53	C	Ethylbenzene	1.961	1.810	7.7	111	0.00
54	T	m,p-Xylene	0.702	0.686	2.3	114	0.00
55	T	o-Xylene	0.737	0.713	3.3	114	0.00
56	T	Styrene	1.336	1.321	1.1	113	0.00
57	P	Bromoform	0.167	0.196	-17.4	123	0.00
58	T	Isopropylbenzene	1.436	1.329	7.5	110	0.00
59	S	Bromofluorobenzene	0.537	0.525	2.2	122	0.00
60	P	1,1,2,2-Tetrachloroethane	0.593	0.534	9.9	103	0.00
61	T	Bromobenzene	0.414	0.382	7.7	110	0.00
62	T	1,2,3-Trichloropropane	0.507	0.422	16.8	99	0.00
63	T	n-Propylbenzene	1.716	1.577	8.1	110	0.00
64	T	2-Chlorotoluene	1.285	1.157	10.0	110	0.00
65	T	1,3,5-Trimethylbenzene	1.206	1.113	7.7	111	0.00
66	T	4-Chlorotoluene	1.521	1.390	8.6	111	0.00
67	T	tert-Butylbenzene	0.832	0.759	8.8	110	0.00
68	T	1,2,4-Trimethylbenzene	1.278	1.191	6.8	113	0.00
69	T	sec-Butylbenzene	1.177	1.084	7.9	108	0.00
70	T	1,3-Dichlorobenzene	0.673	0.618	8.2	111	0.00
71	T	4-Isopropyltoluene	0.941	0.874	7.1	110	0.00
72	T	1,4-Dichlorobenzene	0.709	0.644	9.2	111	0.00
73	T	n-Butylbenzene	0.544	0.516	5.1	111	0.00
74	T	1,2-Dichlorobenzene	0.680	0.626	7.9	111	0.00
75	T	1,2-Dibromo-3-chloropropane	0.078	0.081	-3.8	127	0.00
76	T	1,2,4-Trichlorobenzene	0.374	0.325	13.1	108	0.00
77	T	Hexachlorobutadiene	0.143	0.119	16.8	105	0.00
78	T	Naphthalene	1.155	0.917	20.6	95	0.00
79	T	1,2,3-Trichlorobenzene	0.350	0.286	18.3	102	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.290	0.288	0.7	119	0.00
81	T	Methyl acetate	0.282	0.269	4.6	123	0.00
82	T	Cyclohexane	0.448	0.368	17.9	95	0.00
83	T	Methylcyclohexane	0.253	0.223	11.9	95	0.00

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

AW1006.M Mon Oct 12 10:35:28 2009 RPT1

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\10-13-09\
Data File : L1040.D
Acq On : 13 Oct 2009 10:24
Operator : MEI
Sample : 100PPB,STD-100PPB,A,5ml,100
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 14:36:23 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 35% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	133	0.00
2	T	Dichlorodifluoromethane	0.583	0.596	-2.2	124	0.00
3	P	Chloromethane	0.881	0.956	-8.5	151	0.00
4	C	Vinyl chloride	0.767	0.876	-14.2	146	0.00
5	T	Bromomethane	0.305	0.409	-34.1	180	0.00
6	T	Chloroethane	0.303	0.404	-33.3	157	0.01
7	T	Trichlorofluoromethane	0.603	0.776	-28.7	154	0.01
8	T	Acrolein	0.068	0.054	20.6	87	0.00
9	MC	1,1-Dichloroethene	0.603	0.691	-14.6	148	0.00
10	T	Acetone	0.168	0.175	-4.2	144	0.00
11	T	Carbon disulfide	1.871	2.452	-31.1	158	0.00
12	T	Vinyl acetate	2.751	2.575	6.4	121	0.00
13	T	Methylene chloride	0.881	0.936	-6.2	151	0.00
14	T	Acrylonitrile	0.251	0.202	19.5	88	0.00
15	T	tert-Butyl alcohol (TBA)	0.080	0.067	16.2	97	0.00
16	T	trans-1,2-Dichloroethene	0.810	0.798	1.5	125	0.00
17	T	Methyl tert-butyl ether (MT	2.831	2.453	13.4	114	0.00
18	P	1,1-Dichloroethane	1.632	1.513	7.3	122	0.00
19	T	Diisopropyl ether (DIPE)	2.891	2.664	7.9	124	0.00
20	T	cis-1,2-Dichloroethene	0.926	0.880	5.0	124	0.00
21	T	2,2-Dichloropropane	1.155	1.164	-0.8	123	0.00
22	T	2-Butanone (MEK)	0.363	0.312	14.0	113	0.00
23	T	Bromochloromethane	0.373	0.347	7.0	120	0.00
25	C	Chloroform	1.663	1.515	8.9	120	0.00
26	T	1,1,1-Trichloroethane	1.083	1.072	1.0	120	0.00
27	T	Carbon tetrachloride	0.699	0.813	-16.3	154	0.00
28	T	1,1-Dichloropropene	1.054	1.055	-0.1	124	0.00
29	T	1,2-Dichloroethane (EDC)	1.439	1.249	13.2	118	0.00
30	S	1,2-Dichloroethane-d4	0.792	0.703	11.2	121	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	132	0.00
32	M	Benzene	2.010	1.946	3.2	124	0.00
33	M	Trichloroethene	0.475	0.453	4.6	121	0.00
34	C	1,2-Dichloropropane	0.515	0.501	2.7	126	0.00
35	T	Dibromomethane	0.319	0.301	5.6	117	0.00
37	T	Bromodichloromethane	0.640	0.641	-0.2	119	0.00
38	T	2-Chloroethyl vinyl ether	0.340	0.284	16.5	102	0.00
39	T	cis-1,3-Dichloropropene	0.802	0.829	-3.4	120	0.00
40	T	4-Methyl-2-pentanone (MIBK)	0.441	0.353	20.0	100	0.00
41	S	Toluene-d8	1.186	1.199	-1.1	132	0.00
42	MC	Toluene	1.167	1.137	2.6	123	0.00
43	T	trans-1,3-Dichloropropene	0.771	0.765	0.8	116	0.00
44	T	1,1,2-Trichloroethane	0.385	0.355	7.8	115	0.00
45	T	Tetrachloroethene	0.288	0.289	-0.3	125	0.00
46	T	1,3-Dichloropropane	0.805	0.750	6.8	118	0.00
47	T	2-Hexanone	0.299	0.254	15.1	101	0.00

48	T	Dibromochloromethane	0.261	0.348	-33.3	170	0.00
49	T	1,2-Dibromoethane (EDB)	0.413	0.389	5.8	115	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	137	0.00
51	MP	Chlorobenzene	1.202	1.097	8.7	125	0.00
52	T	1,1,1,2-Tetrachloroethane	0.320	0.355	-10.9	139	0.00
53	C	Ethylbenzene	1.961	1.852	5.6	126	0.00
54	T	m,p-Xylene	0.702	0.697	0.7	129	0.00
55	T	o-Xylene	0.737	0.726	1.5	128	0.00
56	T	Styrene	1.336	1.334	0.1	126	0.00
57	P	Bromoform	0.167	0.206	-23.4	143	0.00
58	T	Isopropylbenzene	1.436	1.392	3.1	127	0.00
59	S	Bromofluorobenzene	0.537	0.526	2.0	135	0.00
60	P	1,1,2,2-Tetrachloroethane	0.593	0.538	9.3	115	0.00
61	T	Bromobenzene	0.414	0.393	5.1	125	0.00
62	T	1,2,3-Trichloropropane	0.507	0.423	16.6	110	0.00
63	T	n-Propylbenzene	1.716	1.650	3.8	127	0.00
64	T	2-Chlorotoluene	1.285	1.187	7.6	124	0.00
65	T	1,3,5-Trimethylbenzene	1.206	1.152	4.5	127	0.00
66	T	4-Chlorotoluene	1.521	1.402	7.8	124	0.00
67	T	tert-Butylbenzene	0.832	0.799	4.0	128	0.00
68	T	1,2,4-Trimethylbenzene	1.278	1.211	5.2	127	0.00
69	T	sec-Butylbenzene	1.177	1.160	1.4	128	0.00
70	T	1,3-Dichlorobenzene	0.673	0.630	6.4	126	0.00
71	T	4-Isopropyltoluene	0.941	0.930	1.2	129	0.00
72	T	1,4-Dichlorobenzene	0.709	0.660	6.9	126	0.00
73	T	n-Butylbenzene	0.544	0.544	0.0	129	0.00
74	T	1,2-Dichlorobenzene	0.680	0.639	6.0	125	0.00
75	T	1,2-Dibromo-3-chloropropane	0.078	0.083	-6.4	145	0.00
76	T	1,2,4-Trichlorobenzene	0.374	0.348	7.0	128	0.00
77	T	Hexachlorobutadiene	0.143	0.134	6.3	132	0.00
78	T	Naphthalene	1.155	0.955	17.3	110	0.00
79	T	1,2,3-Trichlorobenzene	0.350	0.307	12.3	121	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.290	0.316	-9.0	145	0.01
81	T	Methyl acetate	0.282	0.254	9.9	129	0.00
82	T	Cyclohexane	0.448	0.423	5.6	121	0.00
83	T	Methylcyclohexane	0.253	0.255	-0.8	120	0.00

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

LAW1006.M Tue Oct 13 14:36:28 2009 RPT1

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/09/2009

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	L0987.D	99	100	96
10152-006	AQUEOUS	L0988.D	100	101	95
10152-007	AQUEOUS	L0989.D	100	101	96
10185-008	AQUEOUS	L0990.D	99	101	96
10185-009	AQUEOUS	L0991.D	100	102	96
10185-010	AQUEOUS	L0992.D	100	101	94
10175-001	AQUEOUS	L0993.D	100	101	94
BLK-SPK	AQUEOUS	L0994.D	95	102	99
10152-006MS	AQUEOUS	L0995.D	100	101	95
10152-006MSD	AQUEOUS	L0996.D	100	101	94
10185-007	AQUEOUS	L0997.D	99	102	95
10185-001	AQUEOUS	L0998.D	99	103	95
10185-004	AQUEOUS	L0999.D	100	101	94
10185-002	AQUEOUS	L1000.D	100	101	95
10185-003	AQUEOUS	L1002.D	99	101	95

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	45-154	51-164
SMC2 = Toluene-d8	50 ppb	47-151	52-157
SMC3 = Bromofluorobenzene	50 ppb	48-149	56-154

Column to be used to flag recovery values

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/13/2009

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	L1044.D	97	100	97
TCLP-BLK	AQUEOUS	L1045.D	97	100	95
10308-001	AQUEOUS	L1046.D	98	100	95
10340-001	AQUEOUS	L1047.D	97	101	96
10340-002	AQUEOUS	L1048.D	98	100	94
TCLP-SPK	AQUEOUS	L1049.D	75	102	98
BLK-SPK	AQUEOUS	L1050.D	92	102	98
10152-001MS	AQUEOUS	L1051.D	96	100	95
10152-001MSD	AQUEOUS	L1052.D	97	100	95
10185-005	AQUEOUS	L1053.D	97	100	95
10185-006	AQUEOUS	L1054.D	97	100	95
10185-011	AQUEOUS	L1055.D	97	102	94
10152-001	AQUEOUS	L1058.D	105	100	87
10152-003	AQUEOUS	L1059.D	103	102	90
10152-002	AQUEOUS	L1060.D	103	101	92
10152-005	AQUEOUS	L1062.D	101	101	93
10152-004	AQUEOUS	L1064.D	101	101	92

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	45-154	51-164
SMC2 = Toluene-d8	50 ppb	47-151	52-157
SMC3 = Bromofluorobenzene	50 ppb	48-149	56-154

Column to be used to flag recovery values

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 10152-006

Batch No.: LAW100909A

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	65.2	130	46 - 150
Benzene	50.0	0.0	51.5	103	63 - 146
Trichloroethene	50.0	0.0	50.6	101	60 - 152
Toluene	50.0	0.0	52.9	106	63 - 151
Chlorobenzene	50.0	0.0	51.3	103	75 - 149

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	64.0	128	2	17	46 - 150
Benzene	0.0	49.3	99	4	14	63 - 146
Trichloroethene	0.0	49.3	99	2	15	60 - 152
Toluene	0.0	50.5	101	5	15	63 - 151
Chlorobenzene	0.0	49.4	99	4	12	75 - 149

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 10152-001

Batch No.: LAW101309A

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	72.1	144	46 - 150
Benzene	50.0	0.0	55.0	110	63 - 146
Trichloroethene	50.0	0.0	55.4	111	60 - 152
Toluene	50.0	0.0	56.5	113	63 - 151
Chlorobenzene	50.0	0.0	53.5	107	75 - 149

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	72.8	146	1	17	46 - 150
Benzene	0.0	53.3	107	3	14	63 - 146
Trichloroethene	0.0	53.7	107	4	15	60 - 152
Toluene	0.0	55.1	110	3	15	63 - 151
Chlorobenzene	0.0	52.7	105	2	12	75 - 149

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): L0899.D

Date Analyzed: 10/06/2009

Instrument ID: MSD_L

Time Analyzed: 13:53

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	145068	6.19	253735	7.01	256470	10.33
	UPPER LIMIT	290136	6.69	507470	7.51	512940	10.83
	LOWER LIMIT	72534	5.69	126867.5	6.51	128235	9.83
	LAB SAMPLE ID						
01	STD1PPB	159085	6.19	284536	7.01	278630	10.33
02	STD-5PPB	155865	6.19	281356	7.01	276891	10.33
03	STD-20PPB	138109	6.19	249669	7.01	246126	10.33
04	STD-150PPB	161015	6.19	280992	7.01	281052	10.33
05	STD-200PPB	153006	6.19	266022	7.01	268907	10.34
06	METHOD-BLK	136937	6.19	250645	7.01	243550	10.33
07	09991-001	150953	6.19	272804	7.01	268294	10.33
08	BLK-SPK	151371	6.19	271343	7.01	268867	10.34
09	09991-001MS	142101	6.19	256448	7.01	251283	10.33
10	09991-001MSD	149395	6.19	270511	7.01	268883	10.33
11	09991-002	133856	6.19	242623	7.01	235012	10.33
12	09991-003	130603	6.20	238476	7.01	234448	10.34
13	09991-004	145001	6.19	262536	7.01	257122	10.34
14	09991-006	133577	6.19	243542	7.01	238348	10.33
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): L0984.D

Date Analyzed: 10/09/2009

Instrument ID: MSD_L

Time Analyzed: 10:41

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	171126	6.20	304894	7.01	317098	10.34
	UPPER LIMIT	342252	6.70	609788	7.51	634196	10.84
	LOWER LIMIT	85563	5.70	152447	6.51	158549	9.84
	LAB SAMPLE ID						
01	METHOD-BLK	139376	6.19	259604	7.01	260386	10.33
02	10152-006	136443	6.20	255223	7.01	254672	10.33
03	10152-007	142938	6.20	267218	7.01	265672	10.33
04	10185-008	152739	6.19	280109	7.01	282487	10.33
05	10185-009	138704	6.19	257616	7.01	258787	10.33
06	10185-010	146106	6.19	272409	7.01	276352	10.33
07	10175-001	140558	6.19	263590	7.01	266328	10.33
08	BLK-SPK	151014	6.19	270070	7.01	279866	10.33
09	10152-006MS	137018	6.19	253512	7.01	253848	10.33
10	10152-006MSD	150279	6.20	279426	7.01	284412	10.33
11	10185-007	150871	6.19	280652	7.01	281822	10.33
12	10185-001	163306	6.19	303756	7.01	309542	10.33
13	10185-004	153305	6.19	285395	7.01	288558	10.33
14	10185-002	157479	6.20	294065	7.01	297870	10.34
15	10185-003	150889	6.20	281987	7.01	282324	10.34
16							
17							
18							
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): L1040.D

Date Analyzed: 10/13/2009

Instrument ID: MSD_L

Time Analyzed: 10:24

	50UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	192777		6.19		334310		7.01		350849		10.33	
	UPPER LIMIT	385554		6.69		668620		7.51		701698		10.83	
	LOWER LIMIT	96388.5		5.69		167155		6.51		175424.5		9.83	
	LAB SAMPLE ID												
01	METHOD-BLK	168461		6.20		309613		7.01		310041		10.33	
02	TCLP-BLK	165483		6.19		302286		7.01		303252		10.33	
03	10308-001	146245		6.20		269973		7.01		272070		10.33	
04	10340-001	156988		6.19		289589		7.01		290679		10.33	
05	10340-002	135020		6.19		251156		7.01		253539		10.33	
06	TCLP-SPK	185075		6.19		265851		7.01		277204		10.33	
07	BLK-SPK	168373		6.19		304475		7.01		317767		10.33	
08	10152-001MS	147481		6.19		264789		7.01		272268		10.33	
09	10152-001MSD	145335		6.19		268547		7.01		272905		10.33	
10	10185-005	154774		6.19		287087		7.01		289283		10.33	
11	10185-006	190627		6.19		352905		7.01		358814		10.33	
12	10185-011	160974		6.19		298717		7.01		305198		10.33	
13	10152-001	156851		6.19		294434		7.01		290224		10.33	
14	10152-003	167743		6.19		313223		7.01		319471		10.33	
15	10152-002	177517		6.19		336723		7.01		340129		10.33	
16	10152-005	173675		6.19		328934		7.01		331118		10.33	
17	10152-004	175719		6.20		331090		7.01		337266		10.33	
18													
19													
20													
21													
22													

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0998.D
Acq On : 9 Oct 2009 17:31
Operator : MEI
Sample : GP-104R,10185-001,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/07/09,10/07/09,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 12 10:21:05 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

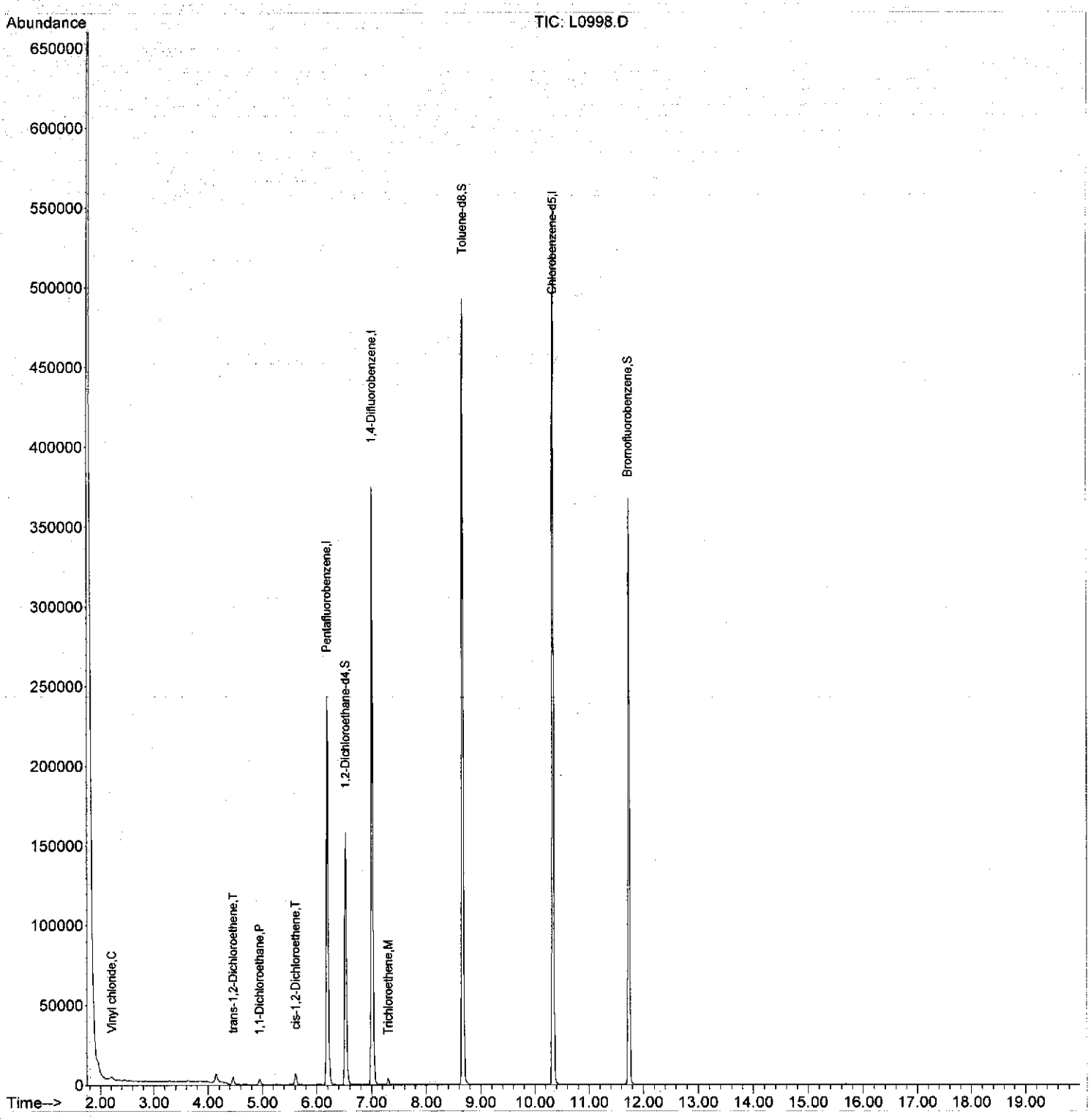
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.19	168	163306	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.01	114	303756	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	309542	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.53	65	128389	49.61	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 99.22%				
41) Toluene-d8	8.66	98	371296	51.52	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 103.04%				
59) Bromofluorobenzene	11.73	95	157346	47.36	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.72%				
Target Compounds							Qvalue
4) Vinyl chloride	2.21	62	3712	1.48	UG		99
16) trans-1,2-Dichloroethene	4.46	96	2569	0.97	UG	#	68
18) 1,1-Dichloroethane	4.95	63	4964	0.93	UG		100
20) cis-1,2-Dichloroethene	5.61	96	3819	1.26	UG	#	99
33) Trichloroethene	7.31	95	1706	0.59	UG		89

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0998.D
Acq On : 9 Oct 2009 17:31
Operator : MEI
Sample : GP-104R,10185-001,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/07/09,10/07/09,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 12 10:21:05 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L1000.D
Acq On : 9 Oct 2009 18:30
Operator : MEI
Sample : GP-103R,10185-002,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/07/09,10/07/09,
ALS Vial : 18 Sample Multiplier: 1

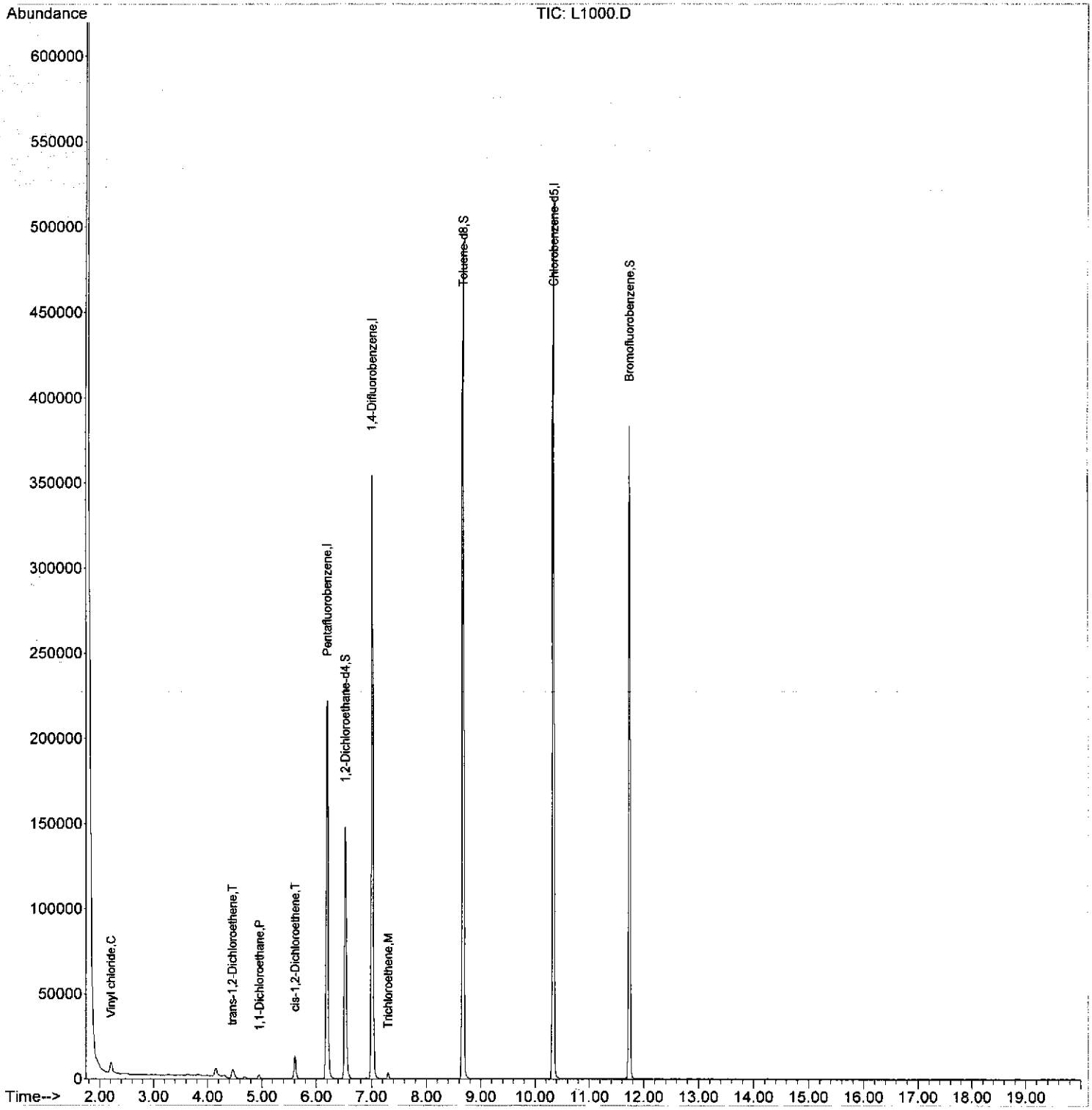
Quant Time: Oct 12 10:24:30 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.20	168	157479	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.01	114	294065	50.00	UG		0.00
50) Chlorobenzene-d5	10.34	117	297870	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.52	65	124363	49.83	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 99.66%				
41) Toluene-d8	8.67	98	353244	50.63	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.26%				
59) Bromofluorobenzene	11.74	95	151307	47.33	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.66%				
Target Compounds							Qvalue
4) Vinyl chloride	2.21	62	13551	5.61	UG		99
16) trans-1,2-Dichloroethene	4.46	96	1222	0.48	UG	#	100
18) 1,1-Dichloroethane	4.95	63	3187	0.62	UG	#	99
20) cis-1,2-Dichloroethene	5.61	96	6432	2.21	UG	#	98
33) Trichloroethene	7.30	95	1511	0.54	UG		88

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

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L1000.D
Acq On : 9 Oct 2009 18:30
Operator : MEI
Sample : GP-103R,10185-002,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/07/09,10/07/09,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 12 10:24:30 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L1002.D
Acq On : 9 Oct 2009 19:29
Operator : MEI
Sample : PTW-2,10185-003,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/07/09,10/07/09,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 10:28:31 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

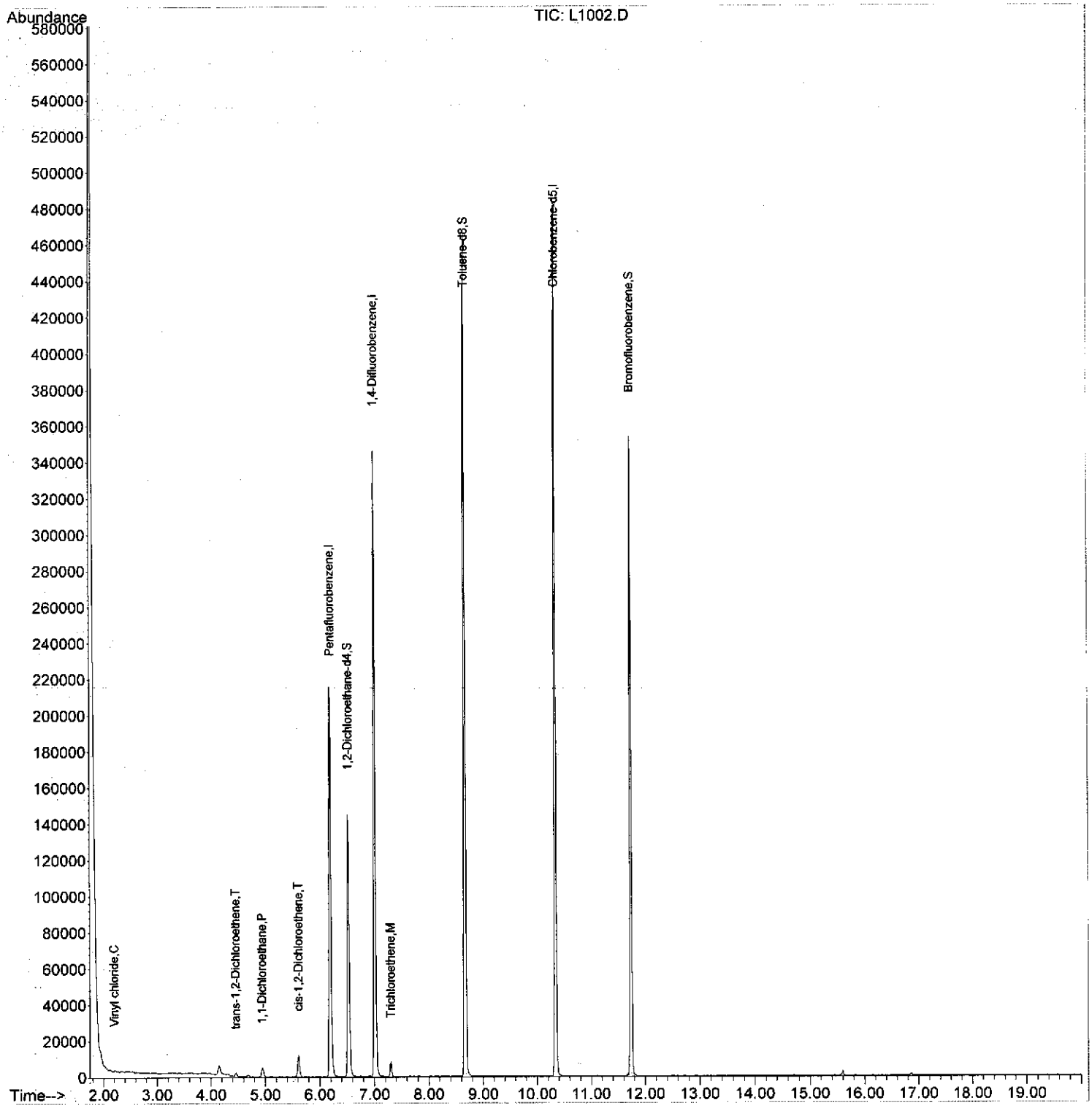
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.20	168	150889	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.01	114	281987	50.00	UG		0.00
50) Chlorobenzene-d5	10.34	117	282324	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.52	65	117785	49.26	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 98.52%				
41) Toluene-d8	8.67	98	338726	50.63	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.26%				
59) Bromofluorobenzene	11.74	95	143717	47.43	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.86%				
Target Compounds							Qvalue
4) Vinyl chloride	2.20	62	1462	0.63	UG		100
16) trans-1,2-Dichloroethene	4.46	96	938	0.38	UG	#	97
18) 1,1-Dichloroethane	4.94	63	6954	1.41	UG		99
20) cis-1,2-Dichloroethene	5.61	96	6123	2.19	UG	#	99
33) Trichloroethene	7.30	95	3057	1.14	UG		90

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L1002.D
Acq On : 9 Oct 2009 19:29
Operator : MEI
Sample : PTW-2,10185-003,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/07/09,10/07/09,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 10:28:31 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



0042

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0999.D
Acq On : 9 Oct 2009 18:01
Operator : MEI
Sample : MW-13R,10185-004,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/06/09,10/07/09,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 12 10:22:58 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

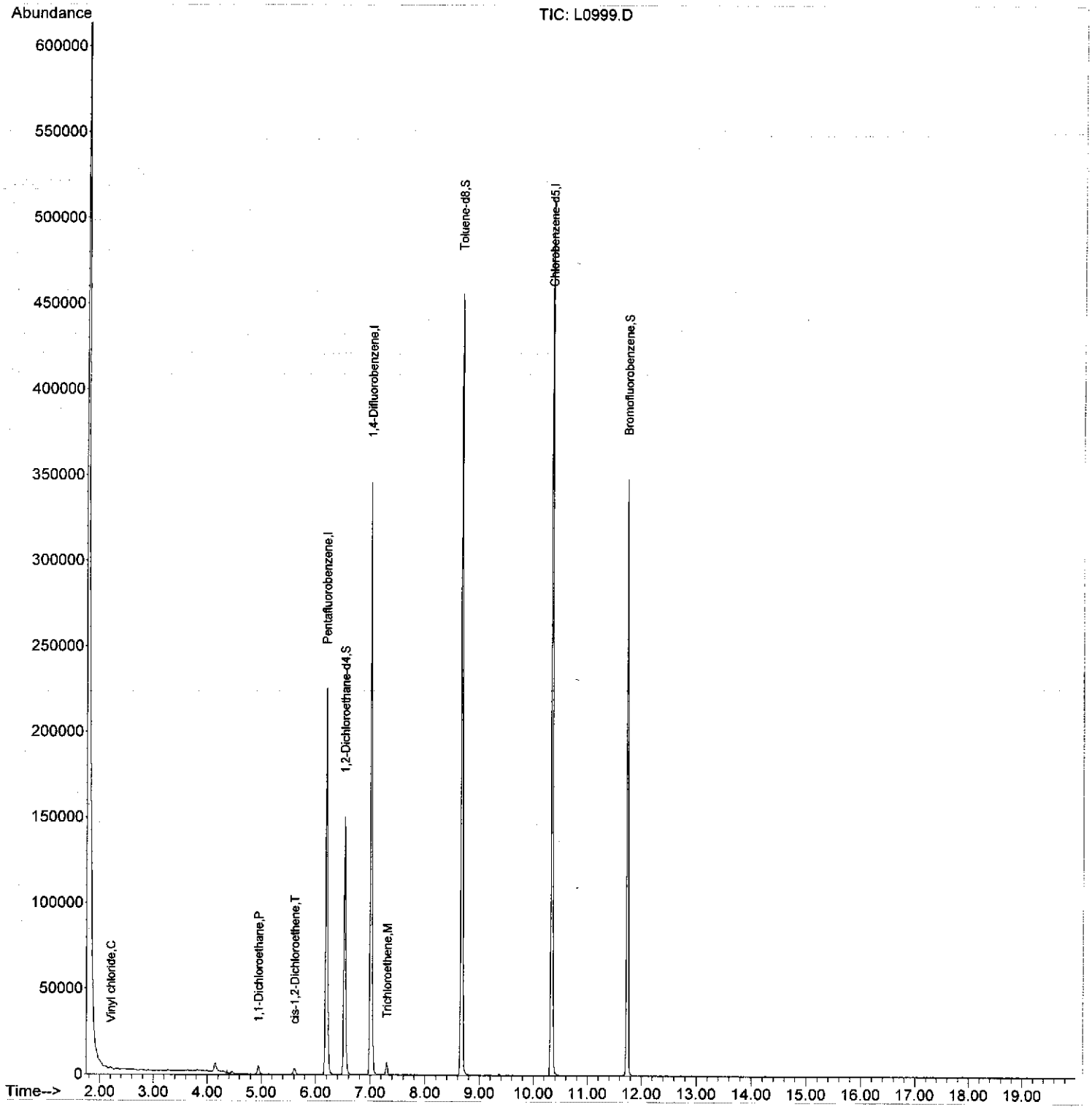
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.19	168	153305	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.01	114	285395	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	288558	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.53	65	121077	49.84	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 99.68%				
41) Toluene-d8	8.66	98	342237	50.55	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.10%				
59) Bromofluorobenzene	11.74	95	146114	47.18	UG		0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.36%				
Target Compounds							Qvalue
4) Vinyl chloride	2.20	62	1582	0.67	UG		98
18) 1,1-Dichloroethane	4.95	63	6026	1.20	UG	#	99
20) cis-1,2-Dichloroethene	5.61	96	1897	0.67	UG	#	99
33) Trichloroethene	7.31	95	2933	1.08	UG	#	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0999.D
Acq On : 9 Oct 2009 18:01
Operator : MEI
Sample : MW-13R,10185-004,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/06/09,10/07/09,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 12 10:22:58 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-13-09\
Data File : L1053.D
Acq On : 13 Oct 2009 16:34
Operator : MEI
Sample : MW-9D,10185-005,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/06/09,10/07/09,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 14 09:59:57 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.19	168	154774	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.01	114	287087	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	289283	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.53	65	119545	48.74	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 97.48%			
41) Toluene-d8	8.66	98	341186	50.09	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.18%			
59) Bromofluorobenzene	11.73	95	147426	47.48	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.96%			

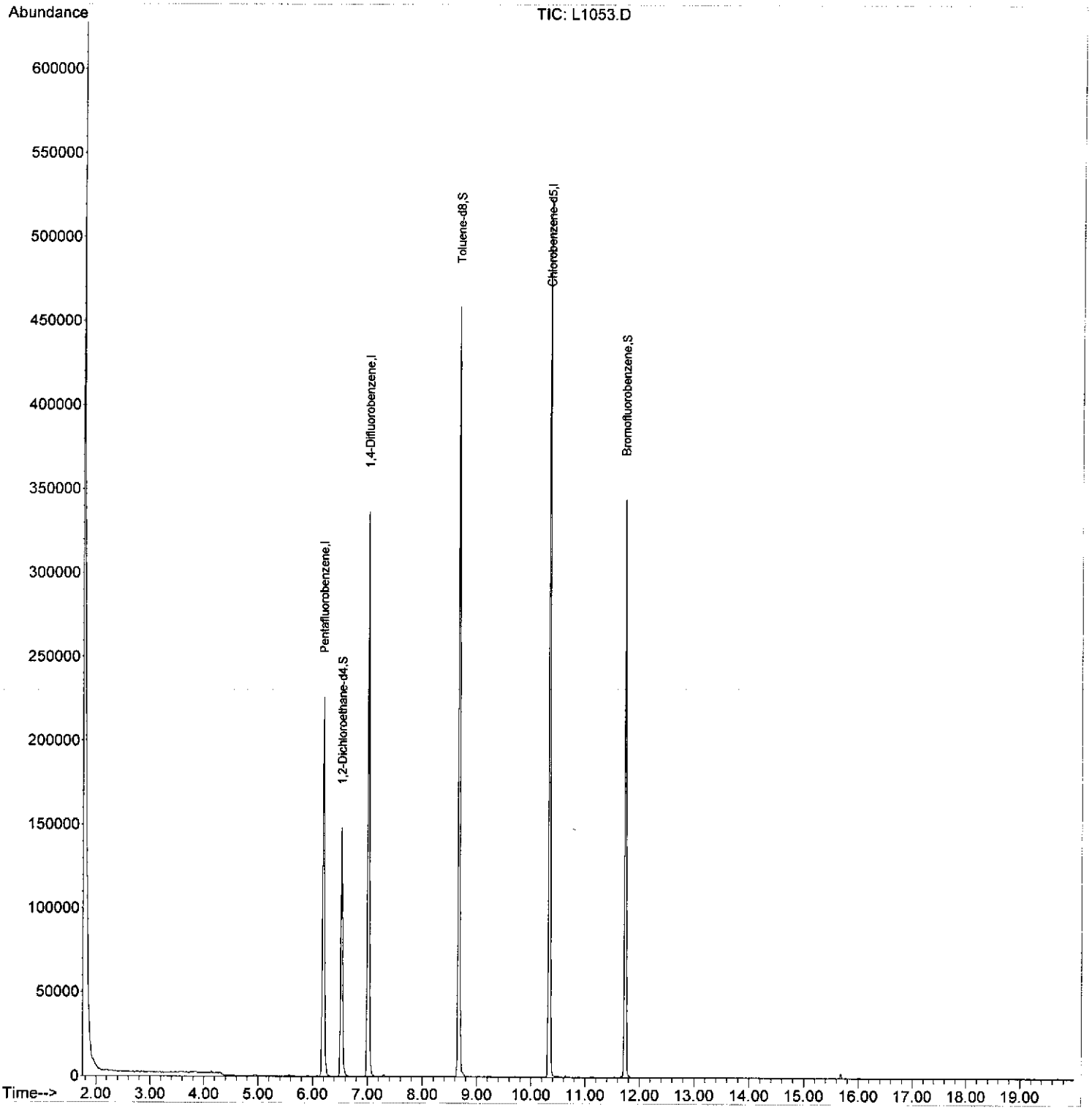
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-13-09\
Data File : L1053.D
Acq On : 13 Oct 2009 16:34
Operator : MEI
Sample : MW-9D,10185-005,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/06/09,10/07/09,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 14 09:59:57 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



0046

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-13-09\
Data File : L1054.D
Acq On : 13 Oct 2009 17:02
Operator : MEI
Sample : MW-9S,10185-006,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/06/09,10/07/09,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 14 10:04:10 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

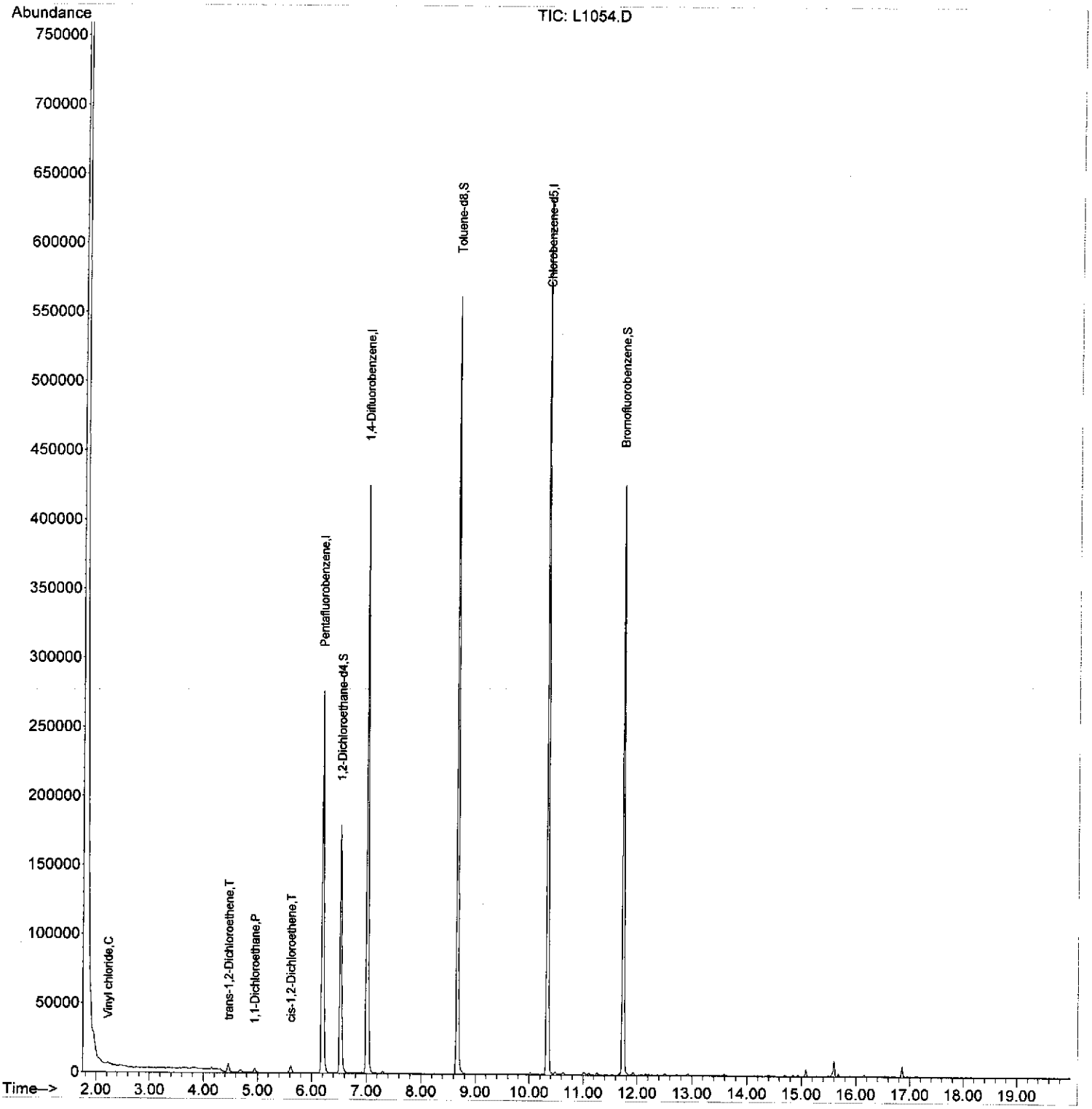
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.19	168	190627	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.01	114	352905	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	358814	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.53	65	146240	48.41	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 96.82%				
41) Toluene-d8	8.66	98	418791	50.02	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.04%				
59) Bromofluorobenzene	11.73	95	182656	47.43	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.86%				
Target Compounds							Qvalue
4) Vinyl chloride	2.22	62	3354	1.15	UG	#	95
16) trans-1,2-Dichloroethene	4.46	96	2885	0.93	UG	#	68
18) 1,1-Dichloroethane	4.95	63	4020	0.65	UG	#	97
20) cis-1,2-Dichloroethene	5.61	96	2424	0.69	UG	#	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-13-09\
Data File : L1054.D
Acq On : 13 Oct 2009 17:02
Operator : MEI
Sample : MW-9S,10185-006,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/06/09,10/07/09,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 14 10:04:10 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0997.D
Acq On : 9 Oct 2009 17:03
Operator : MEI
Sample : MW-6S,10185-007,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/06/09,10/07/09,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 12 10:18:06 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

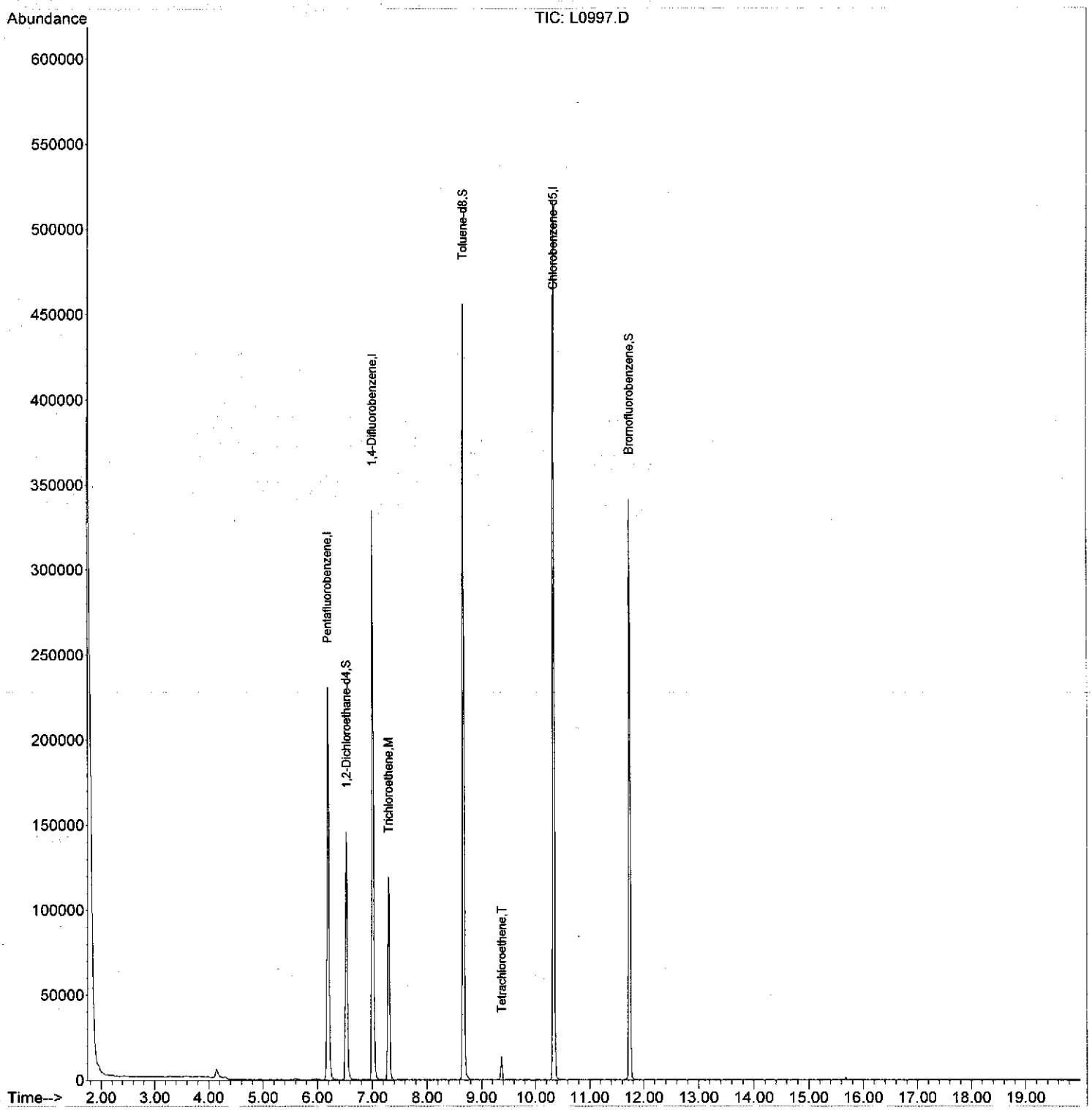
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.19	168	150871	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.01	114	280652	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	281822	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.53	65	118073	49.39	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 98.78%				
41) Toluene-d8	8.66	98	338577	50.85	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.70%				
59) Bromofluorobenzene	11.74	95	143496	47.44	UG		0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.88%				
Target Compounds							Qvalue
33) Trichloroethene	7.30	95	49324	18.50	UG		89
45) Tetrachloroethene	9.37	166	4031	2.49	UG	#	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0997.D
Acq On : 9 Oct 2009 17:03
Operator : MEI
Sample : MW-6S,10185-007,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/06/09,10/07/09,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 12 10:18:06 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0990.D
Acq On : 9 Oct 2009 13:38
Operator : MEI
Sample : FB(100609),10185-008,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/06/09,10/07/09,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 16:28:54 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.19	168	152739	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.01	114	280109	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	282487	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.53	65	119811	49.50	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 99.00%			
41) Toluene-d8	8.66	98	336928	50.70	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.40%			
59) Bromofluorobenzene	11.73	95	144974	47.82	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.64%			

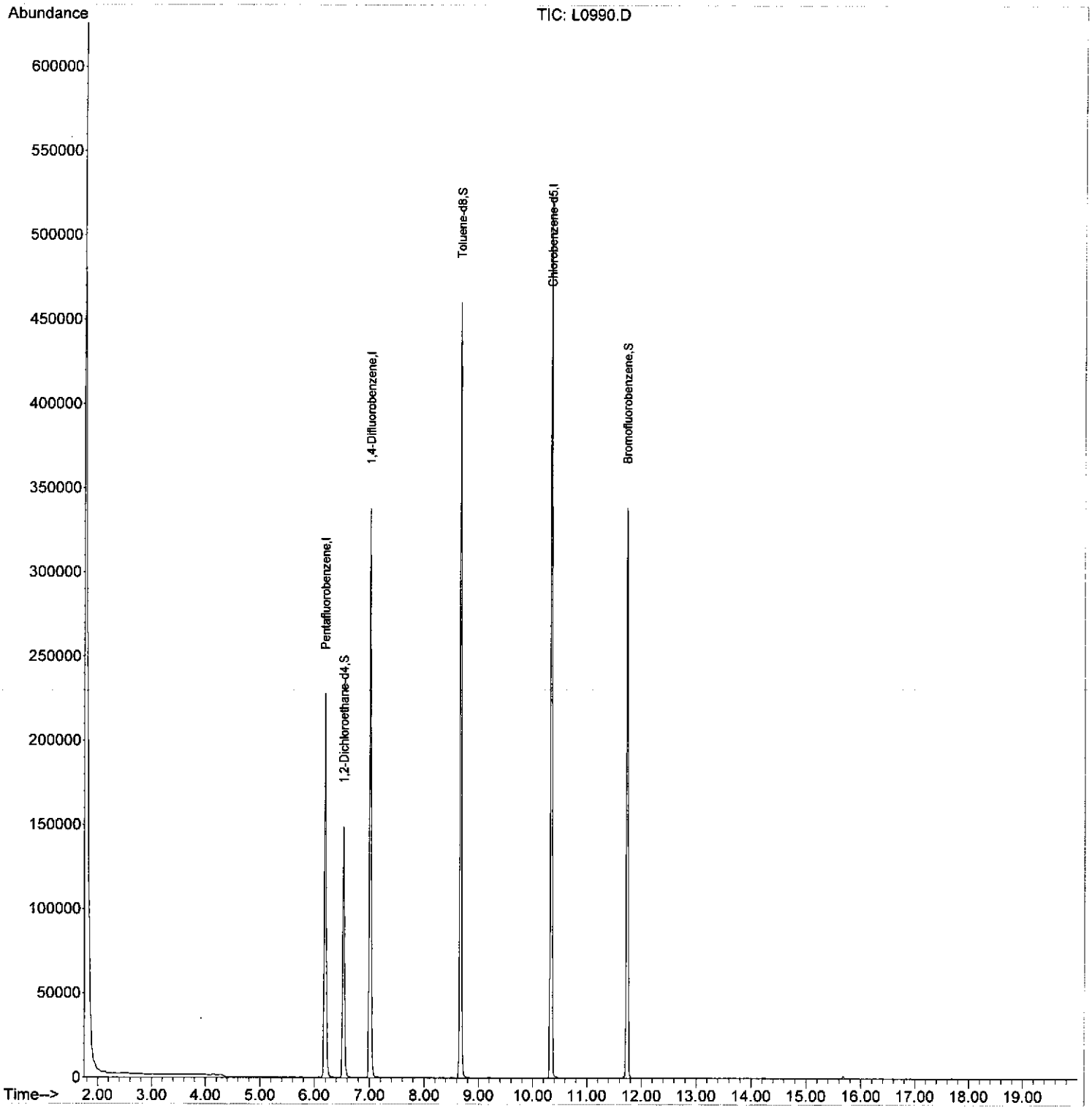
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0990.D
Acq On : 9 Oct 2009 13:38
Operator : MEI
Sample : FB(100609),10185-008,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/06/09,10/07/09,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 16:28:54 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



0052

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0991.D
Acq On : 9 Oct 2009 14:07
Operator : MEI
Sample : FB(100709),10185-009,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/07/09,10/07/09,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 16:29:29 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.19	168	138704	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.01	114	257616	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	258787	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.53	65	109543	49.84	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 99.68%			
41) Toluene-d8	8.66	98	311204	50.92	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.84%			
59) Bromofluorobenzene	11.74	95	133851	48.19	UG	0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.38%			

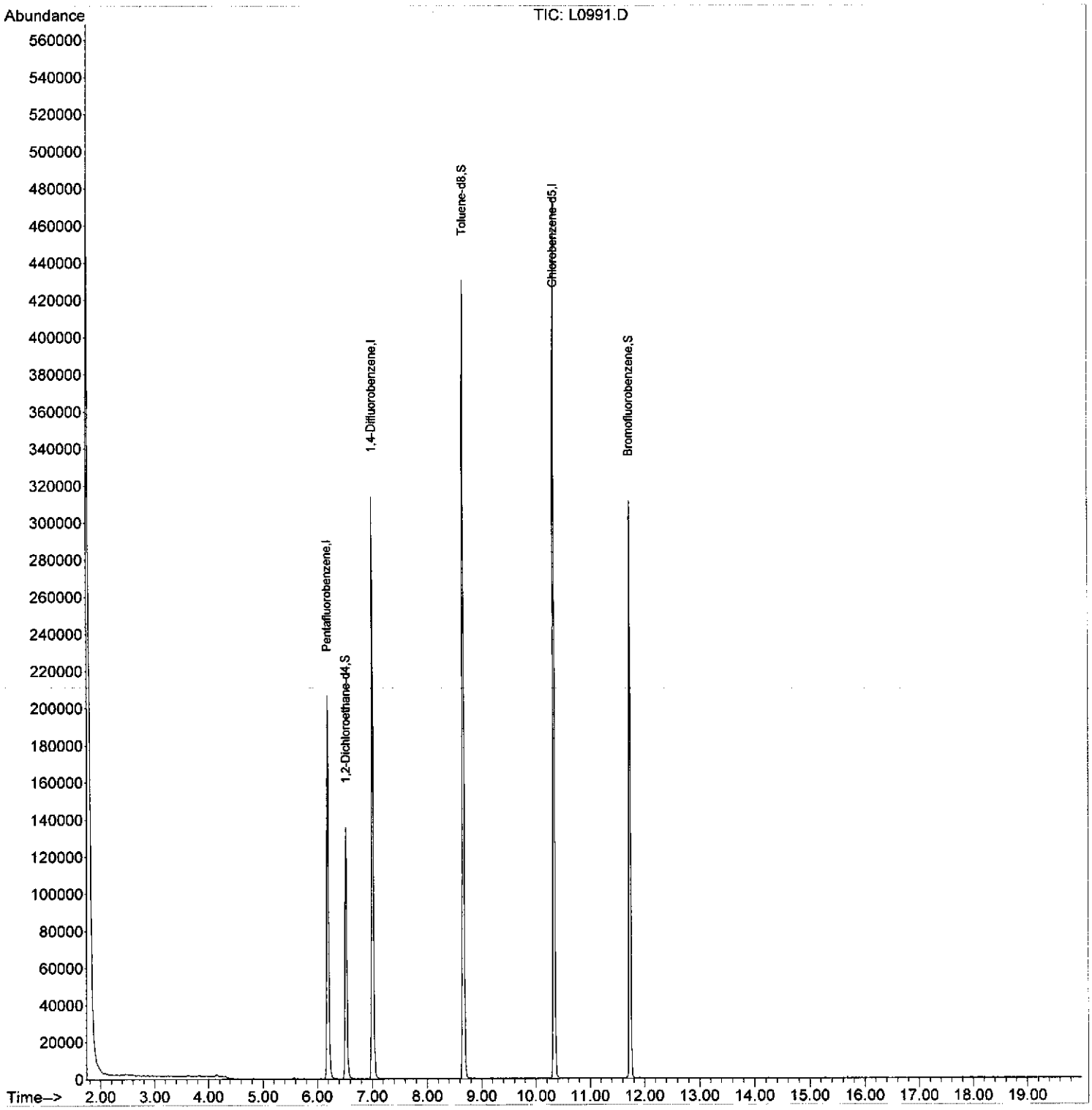
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0991.D
Acq On : 9 Oct 2009 14:07
Operator : MEI
Sample : FB(100709),10185-009,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/07/09,10/07/09,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 16:29:29 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



0054

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0992.D
Acq On : 9 Oct 2009 14:36
Operator : MEI
Sample : TB(100609),10185-010,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/06/09,10/07/09,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 16:30:07 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.19	168	146106	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.01	114	272409	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	276352	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	115302	49.80	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 99.60%			
41) Toluene-d8	8.66	98	326437	50.51	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.02%			
59) Bromofluorobenzene	11.74	95	140107	47.24	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.48%			

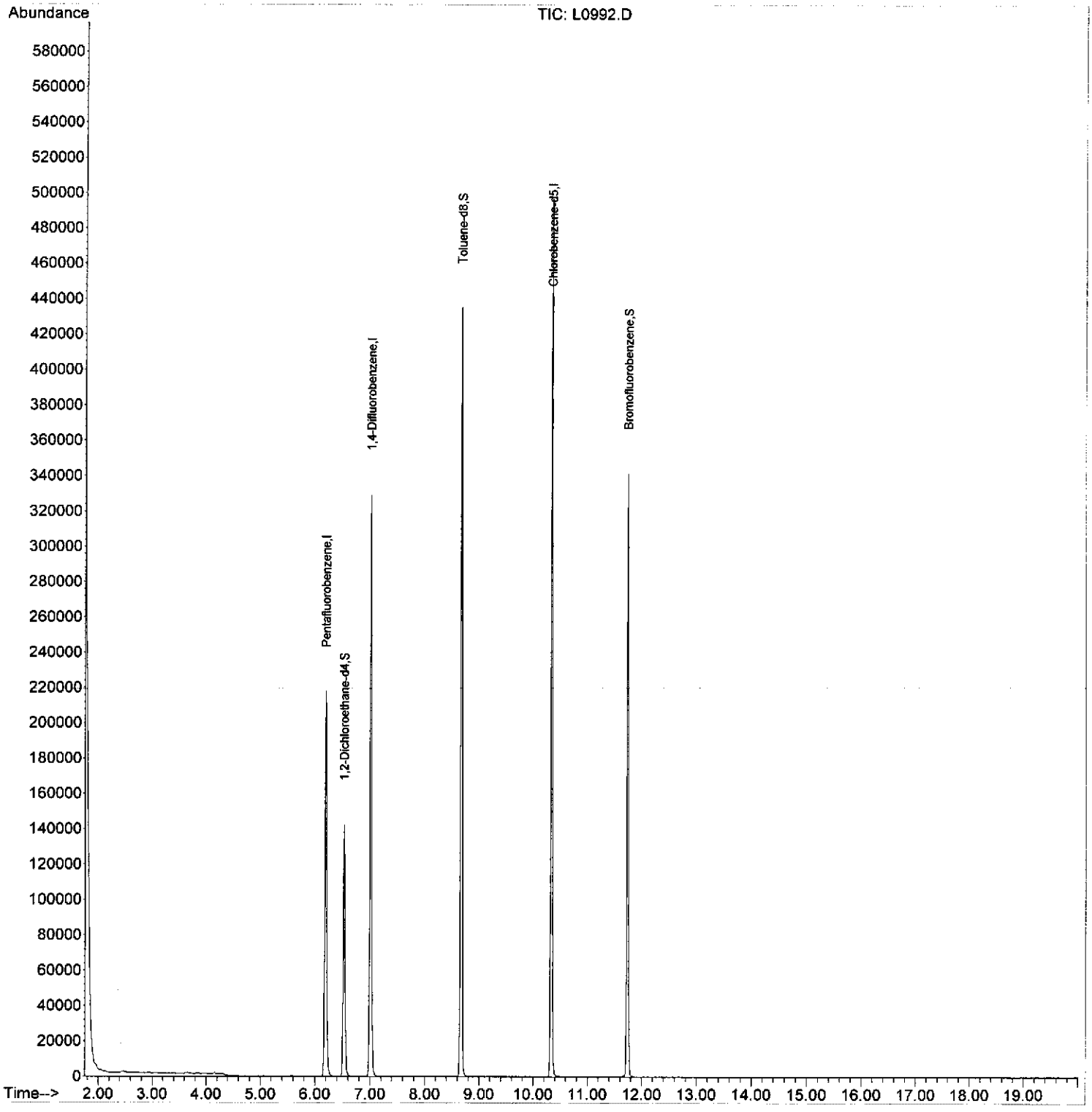
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0992.D
Acq On : 9 Oct 2009 14:36
Operator : MEI
Sample : TB(100609),10185-010,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/06/09,10/07/09,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 16:30:07 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



0056

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-13-09\
Data File : L1055.D
Acq On : 13 Oct 2009 17:30
Operator : MEI
Sample : DUP(100709),10185-011,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/07/09,10/07/09,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 14 10:09:43 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

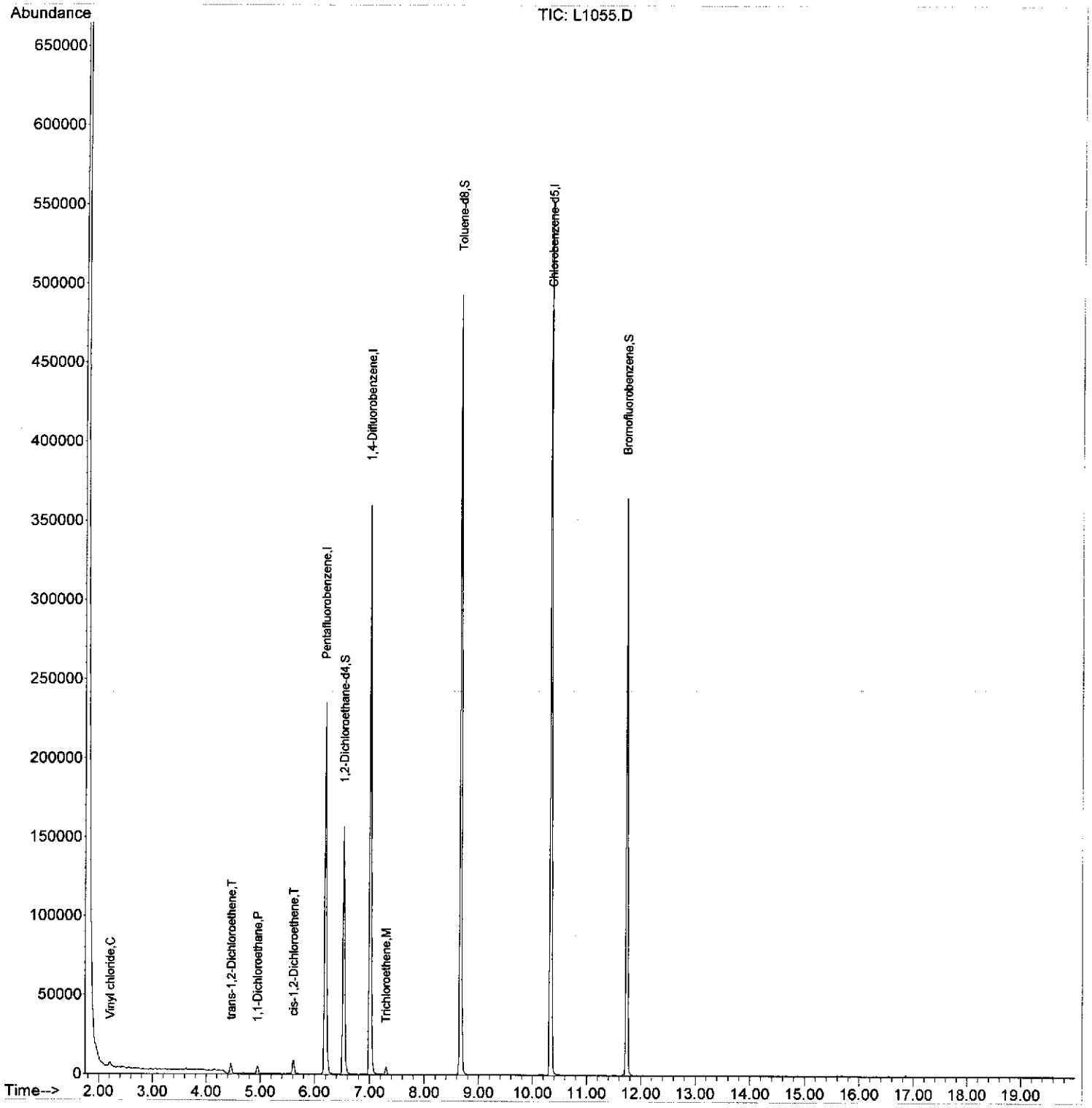
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.19	168	160974	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.01	114	298717	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	305198	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.53	65	123737	48.51	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 97.02%				
41) Toluene-d8	8.66	98	360317	50.84	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.68%				
59) Bromofluorobenzene	11.73	95	153428	46.84	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 93.68%				
Target Compounds							Qvalue
4) Vinyl chloride	2.21	62	5645	2.29	UG		98
16) trans-1,2-Dichloroethene	4.46	96	3174	1.22	UG	#	98
18) 1,1-Dichloroethane	4.95	63	6361	1.21	UG		100
20) cis-1,2-Dichloroethene	5.62	96	4549	1.53	UG	#	99
33) Trichloroethene	7.30	95	2074	0.73	UG		89

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-13-09\
Data File : L1055.D
Acq On : 13 Oct 2009 17:30
Operator : MEI
Sample : DUP(100709),10185-011,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,10/07/09,10/07/09,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 14 10:09:43 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



0058

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0987.D
Acq On : 9 Oct 2009 12:13
Operator : MEI
Sample : N/A,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 16:22:22 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.19	168	139376	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.01	114	259604	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	260386	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.53	65	109585	49.62	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 99.24%			
41) Toluene-d8	8.66	98	308817	50.14	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.28%			
59) Bromofluorobenzene	11.73	95	133969	47.94	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.88%			

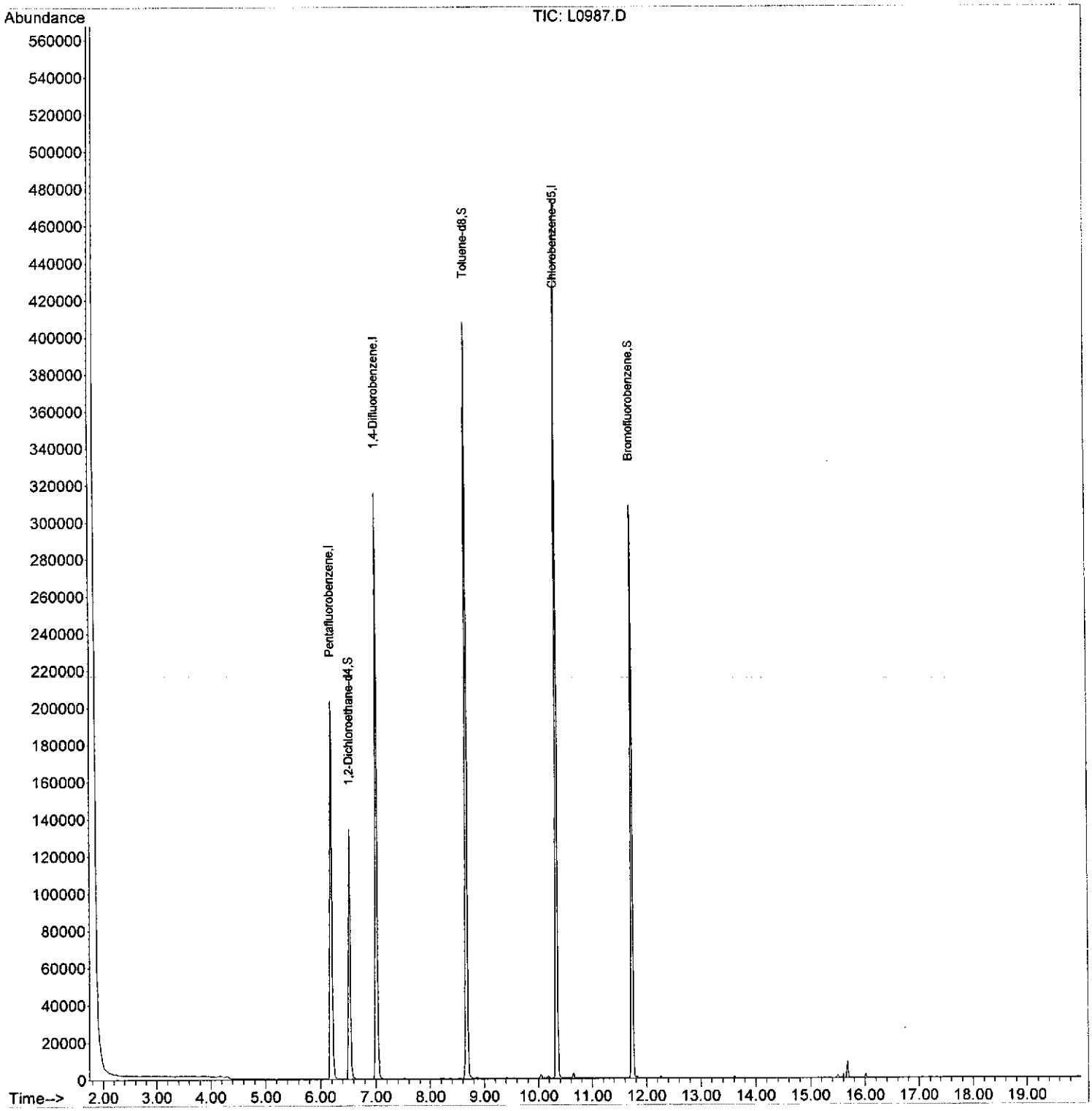
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-09-09\
Data File : L0987.D
Acq On : 9 Oct 2009 12:13
Operator : MEI
Sample : N/A,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 16:22:22 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-13-09\
Data File : L1044.D
Acq On : 13 Oct 2009 12:20
Operator : MEI
Sample : N/A,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 14:37:40 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.20	168	168461	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.01	114	309613	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	310041	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	129441	48.49	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 96.98%			
41) Toluene-d8	8.67	98	368538	50.17	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.34%			
59) Bromofluorobenzene	11.74	95	160835	48.33	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.66%			

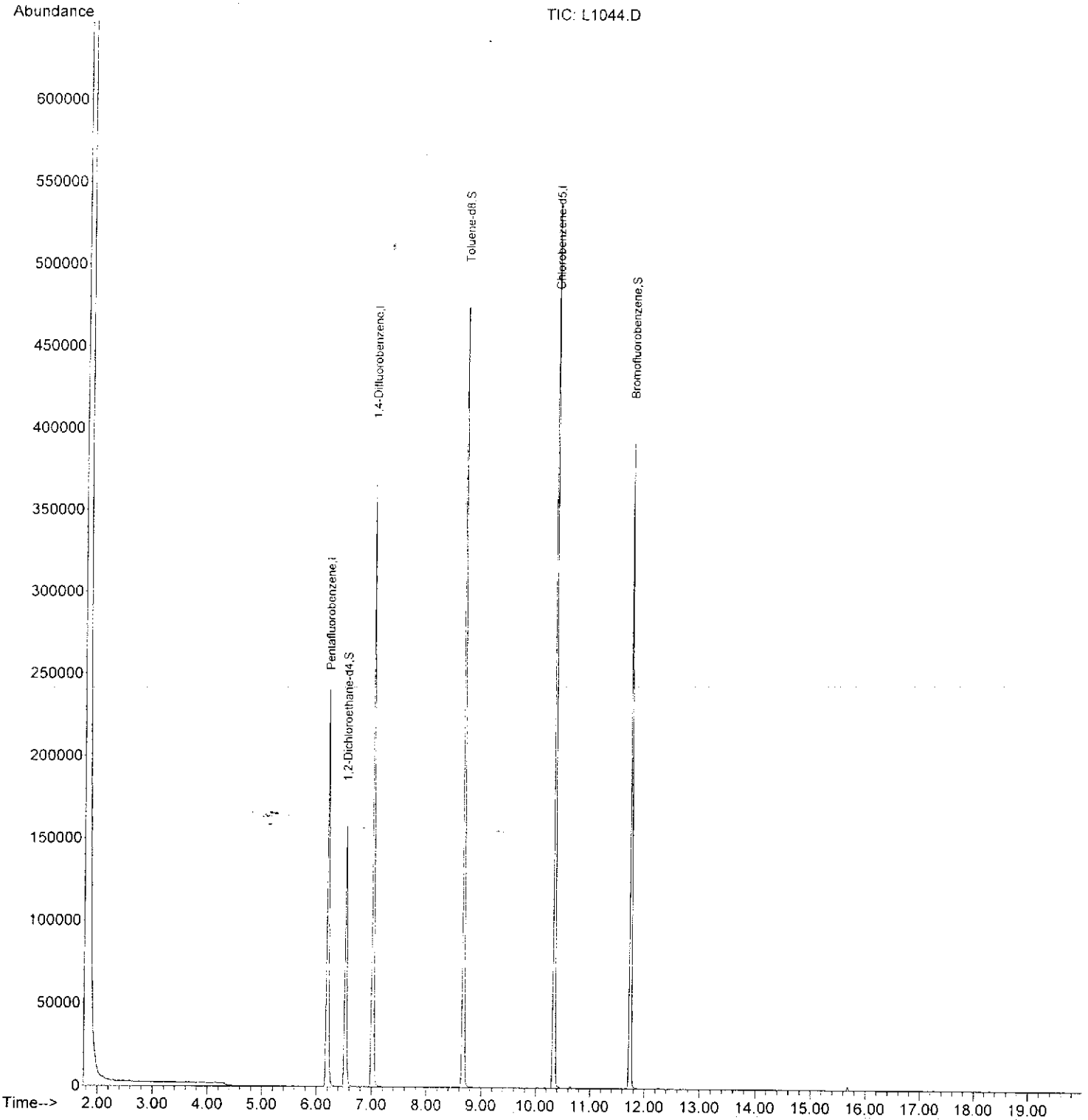
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-13-09\
Data File : L1044.D
Acq On : 13 Oct 2009 12:20
Operator : MEI
Sample : N/A,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 14:37:40 2009
Quant Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Oct 06 17:23:47 2009
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\MSDChem\1\DATA\10-13-09\
Data File : L1044.D
Acq On : 13 Oct 2009 12:20
Operator : MEI
Sample : N/A,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\LAW1006.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.190	434	440	457	rVB	240958	566034	54.10%	12.654%
2	6.524	467	473	487	rBV	157893	349579	33.41%	7.815%
3	7.010	513	521	535	rBV	378886	781578	74.70%	17.473%
4	8.671	677	685	703	rVB	474877	999581	95.54%	22.347%
5	10.332	841	849	863	rBV	539852	1046273	100.00%	23.391%
6	11.739	975	988	1002	rVB	392466	729974	69.77%	16.319%

Sum of corrected areas: 4473019

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER INFO	
Company:	ARCADIS-US, Inc.
Address:	1 International Blvd.
	Mahwah, NJ 07495
Telephone #:	201-684-1410
Fax #:	201-684-1420
Project Manager:	Eric Rodriguez
Sampler:	D. Kirschner / V. Myers
Project Name:	Kings Electronics
Project Location (State):	New York
Bottle Order #:	B03713
Quote # :	

REPORTING INFO	
REPORT TO:	ARCADIS-US, Inc.
Address:	1 International Blvd.
	Mahwah, NJ 07495
Attn:	Eric Rodriguez
FAX #	201-684-1420
INVOICE TO:	ARCADIS-US, Inc.
Address:	1 International Blvd
	Mahwah, NJ 07495
Attn:	Eric Rodriguez
PO #	NJ000423.0005.00001

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE.

PHC- MUST CHOOSE

DRO (3-5 day TAT) QAM025 (5 day TAT min.)

DRO (8015B) - used for: Fuel Oil #2/Home Heating Oil #1 /#2.
QAM-025 (OQA-QAM025) - used for: all other fuel oil and unknown contaminants.

Verbal/Fax
24 hr* 48 hr* 72 hr* 1 wk*

Hard Copy
Other *call for price

2 wk/Std
3 wk/Std

Results needed by:

Rush TAT Charge **
24 hr - 100%...
48 hr - 75%....
72 hr - 50%....
96 hr - 35%....
5 day - 25%....
6-9 day 10%

Report Format
Results Only
Reduced
Regulatory - 15% Surcharge applies
Other (describe)

EDD's
SRP. dbf format
SRP.wk1 format
lab approved custom EDD
NO EDD/CD REQ'D

SAMPLE INFORMATION

Sample Matrix

DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

ANALYTICAL PARAMETERS

Cooler Temp 3 °C

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	VOC CIS 1,2 DCE	# BOTTLES & PRESERVATIVES HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
GP-104R		10/7/09	10:32	AQ	2	1	2	2							
GP-103R		10/7/09	9:42	AQ	2	2	2	2							
PTW-2		10/7/09	12:02	AQ	2	3	2	2							
MW-13R		10/6/09	12:43	AQ	2	4	2	2							
MW-9D		10/6/09	10:59	AQ	2	5	2	2							
MW-9SR		10/6/09	12:05	AQ	2	6	2	2							
MW-6S		10/6/09	11:14	AQ	2	7	2	2							
FB(100609)		10/6/09	1200	AQ	2	8	2	2							
FB(100709)		10/7/09	1020	AQ	2	9	2	2							
TB(100609)		10/6/09	—	AQ	1	10	1	1							

Known Hazard: Yes or (No) Describe:

Conc. Expected: Low Med High

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Signature/Company	Date	Time	Signature/Company
Relinquished by: Dennis Lynn / ARCADIS	10/7/09	15:05	Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case # 10185

PAGE: 1 of 2

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER INFO

Company: Arcadis-US, Inc.
Address: 1 International Blvd, Mahwah, NJ 07495
Telephone #: 201-684-1410
Fax #: 201-684-1420
Project Manager: Eric Rodriguez
Sampler: D. Kirschner / V. Myers
Project Name: Kings Electronics
Project Location (State): New York
Bottle Order #: B03715
Quote # :

REPORTING INFO

REPORT TO: Arcadis-US, Inc.
Address: 1 International Blvd, Mahwah, NJ 07495
Attn: E. Rodriguez
FAX # 201-684-1420
INVOICE TO: Arcadis-US, Inc.
Address: 1 International Blvd, Mahwah, NJ 07495
Attn: E. Rodriguez
PO #

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE.

PHC- MUST CHOOSE
DRO (3-5 day TAT) QAM025 (5 day TAT min.)
DRO (8015B) - used for: Fuel Oil #2/Home Heating Oil #1 /#2.
QAM-025 (OQA-QAM025) - used for: all other fuel oil and unknown contaminants.

Verbal/Fax: 24 hr* 48 hr* — (2 wk/Std) ~~72 hr* 1 wk*~~
Hard Copy: (3 wk/Std)
Other *call for price
Results needed by:

Rush TAT Charge **: 24 hr - 100%; 48 hr - 75%; 72 hr - 50%; 96 hr - 35%; 5 day - 25%; 6-9 day 10%

Report Format: Results Only; Reduced; Regulatory - 15% Surcharge applies; Other (describe)

EDD's: SRP. dbf format; SRP.wk1 format; lab approved custom EDD; NO EDD/CD REQ'D

Cooler Temp 3 °C

SAMPLE INFORMATION

Sample Matrix: DW - Drinking Water, AQ - Aqueous, WW - Waste Water, OI - Oil, LIQ - Liquid (Specify), OT - Other (Specify), S - Soil, SL - Sludge, SOL - Solid, W - Wipe

ANALYTICAL PARAMETERS: VOCs, 1,2 DCE

BOTTLES & PRESERVATIVES

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	VOCs, 1,2 DCE	HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
DUP(100709)		10/7/09	—	AQ	2	11	2	2							

Known Hazard: Yes or (No) Describe:
Conc. Expected: Low Med High

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

	Signature/Company	Date	Time		Signature/Company
Relinquished by:	Veronica Myers / Arcadis	10/7/09	1505	Received by:	[signature]
Relinquished by:				Received by:	
Relinquished by:				Received by:	
Relinquished by:				Received by:	
Relinquished by:				Received by:	

Comments:

Lab Case # 10185

PAGE: 2 of 2

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

00065

03/2009 rev

PROJECT INFORMATION

E09-10185

Case No. E09-10185 **Project** KINGS ELECTRONICS - VENDOR #1168636

Customer	**Arcadis Geraghty & Miller**	**P.O. #**	NJ000423.0005.000(
Contact	Eric Rodriguez	**Received**	10/7/2009 15:05
EMail	eric.rodriguez@arcadis-us.com ☐ EMail EDDs	**Verbal Due**	10/21/2009
Phone	(201) 684-1410 **Fax** 1(201) 684-1420	**Report Due**	10/28/2009

Report To

1 International Blvd.
Suite 406
Mahwah, NJ 07495
Attn: Eric Rodriguez

Bill To

640 Plaza Drive
Suite 130
Highlands Ranch, CO 80129
Attn: Eric Rodriguez

Report Format **Reduced**

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
10185-001	GP-104R	n/a	10/7/2009@10:32	Aqueous	ug/L	2
10185-002	GP-103R	n/a	10/7/2009@09:42	Aqueous	ug/L	2
10185-003	PTW-2	n/a	10/7/2009@12:02	Aqueous	ug/L	2
10185-004	MW-13R	n/a	10/6/2009@12:43	Aqueous	ug/L	2
10185-005	MW-9D	n/a	10/6/2009@10:59	Aqueous	ug/L	2
10185-006	MW-9S	n/a	10/6/2009@12:05	Aqueous	ug/L	2
10185-007	MW-6S	n/a	10/6/2009@11:14	Aqueous	ug/L	2
10185-008	FB(100609)	n/a	10/6/2009@12:00	Aqueous	ug/L	2
10185-009	FB(100709)	n/a	10/7/2009@10:20	Aqueous	ug/L	2
10185-010	TB(100609)	n/a	10/6/2009	Aqueous	ug/L	1
10185-011	DUP(100709)	n/a	10/7/2009	Aqueous	ug/L	2

Sample #	Tests	Status	QA Method
001	PP VOA + Cis 1,2-DCE	Complete	8260B
002	PP VOA + Cis 1,2-DCE	Complete	8260B
003	PP VOA + Cis 1,2-DCE	Complete	8260B
004	PP VOA + Cis 1,2-DCE	Complete	8260B
005	PP VOA + Cis 1,2-DCE	Complete	8260B
006	PP VOA + Cis 1,2-DCE	Complete	8260B
"	VO Project Revision	Run	624
007	PP VOA + Cis 1,2-DCE	Complete	8260B
008	PP VOA + Cis 1,2-DCE	Complete	8260B
009	PP VOA + Cis 1,2-DCE	Complete	8260B
010	PP VOA + Cis 1,2-DCE	Complete	8260B
011	PP VOA + Cis 1,2-DCE	Complete	8260B

10/15/2009 09:58 by kim - REV 1

Per Eric Rodriguez, please change sample ID MW-9SR to MW-9S on sample 006.

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288
October 15, 2009

0066

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 09** **10185** CLIENT: Arcadis

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓ = YES/NA
✗ = NO

✓	Bottles Intact	
✓	no-Missing Bottles	
✓	no-Extra Bottles	
✓	Sufficient Sample Volume	
✓	no-headspace/bubbles in VOs	
✓	Labels intact/correct	
✓	pH Check (exclude VOs)[1]	
✓	Correct bottles/preservative	
✓	Sufficient Holding/Prep Time[1]	
	Sample to be Subcontracted	
✓	**Chain of Custody is Clear**	

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [initials] DATE 10/7/09

CORRECTIVE ACTION REQUIRED: **YES** (SEE BELOW) **NO**

If COC is **NOT** clear, ***STOP*** until you get client to authorize/clarify work.

CLIENT NOTIFIED: YES Date/ Time: NO

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [initials] DATE 10.8.09

Laboratory Custody Chronicle

IAL Case No.

E09-10185

Client Arcadis Geraghty & Miller

Project KINGS ELECTRONICS - VENDOR #1168636

Received On 10/ 7/2009@15:05

Department: Volatiles

			Prep. Date	***Analyst***	***Analysis Date***	***Analyst***
PP VOA + Cis 1,2-DCE	10185-001	Aqueous	n/a	n/a	10/ 9/09	Xing
"	-002	"	n/a	n/a	10/ 9/09	Xing
"	-003	"	n/a	n/a	10/ 9/09	Xing
"	-004	"	n/a	n/a	10/ 9/09	Xing
"	-005	"	n/a	n/a	10/13/09	Xing
"	-006	"	n/a	n/a	10/13/09	Xing
"	-007	"	n/a	n/a	10/ 9/09	Xing
"	-008	"	n/a	n/a	10/ 9/09	Xing
"	-009	"	n/a	n/a	10/ 9/09	Xing
"	-010	"	n/a	n/a	10/ 9/09	Xing
"	-011	"	n/a	n/a	10/13/09	Xing

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Arcadis Geraghty & Miller - Albany
465 New Karner Road
Albany, NY 12205

Project Name: **KINGS ELECTRONICS - VENDOR #1168636**
IAL Case Number: **E10-03186**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program

Sample Summary

IAL Case No.

E10-03186

Client Arcadis Geraghty & Miller - Albany

Project KINGS ELECTRONICS - VENDOR #1168636

Received On 4/ 7/2010@19:00

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
03186-001	FB (040610)	n/a	4/ 6/2010	Aqueous	2
03186-002	TB (040610)	n/a	4/ 6/2010@09:00	Aqueous	1
03186-003	PTW-2	n/a	4/ 6/2010@10:36	Aqueous	2
03186-004	MW-9S	n/a	4/ 6/2010@10:53	Aqueous	2
03186-005	MW-9D	n/a	4/ 6/2010@10:52	Aqueous	2
03186-006	MW-6S	n/a	4/ 6/2010@11:46	Aqueous	2
03186-007	DUP (040610)	n/a	4/ 6/2010	Aqueous	2
03186-008	FB (040710)	n/a	4/ 7/2010@09:00	Aqueous	2
03186-009	GP-104R	n/a	4/ 7/2010@10:57	Aqueous	2
03186-010	GP-103R	n/a	4/ 7/2010@10:10	Aqueous	2
03186-011	MW-13R	n/a	4/ 7/2010@10:12	Aqueous	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates the concentration was reported below the RL but above the MDL. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

RL - Reporting Limit.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

Q - Qualifier

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received eleven (11) aqueous sample(s) from Arcadis Geraghty & Miller - Albany (Project: KINGS ELECTRONICS - VENDOR #1168636) on April 7, 2010 for the analysis of:

(11) PP VOA + Cis 1,2-DCE

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

4/22/10
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E10-03186

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E10 - 03186

		No	Yes
1.	Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2.	GC/MS Tuning Specifications: a. BFB Passed		✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4.	GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5.	GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
	b. System Performance Check Compounds		✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7.	Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
	If not met, were the calculations checked and the results qualified as "estimated"?		na
8.	Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		
9.	Internal Standard Area/Retention Time Shift meet criteria		✓
10.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:		
11.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12.	Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

4/12/10
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Arcadis Geraghty & Miller - Albany
Project: KINGS ELECTRONICS - VENDOR #1168636
Lab Case No.: E10-03186

	Lab ID:	03186-001		03186-002		03186-003		03186-004	
	Client ID:	FB (040610)		TB (040610)		PTW-2		MW-9S	
	Matrix:	Aqueous		Aqueous		Aqueous		Aqueous	
	Sampled Date	4/6/10		4/6/10		4/6/10		4/6/10	
PARAMETER(Units)		Conc	Q RL	Conc	Q RL	Conc	Q RL	Conc	Q RL
Volatiles (Units)		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*	
Vinyl chloride		ND	1.00	ND	1.00	1.38	1.00	7.31	1.00
trans-1,2-Dichloroethene		ND	1.00	ND	1.00	ND	1.00	2.00	1.00
1,1-Dichloroethane		ND	1.00	ND	1.00	1.79	1.00	4.16	1.00
cis-1,2-Dichloroethene		ND	1.00	ND	1.00	ND	1.00	6.59	1.00
Trichloroethene		ND	1.00	ND	1.00	3.48	1.00	1.90	1.00
TOTAL VO's:		ND		ND		6.65		22.0	

	Lab ID:	03186-005		03186-006		03186-007		03186-008	
	Client ID:	MW-9D		MW-6S		DUP (040610)		FB (040710)	
	Matrix:	Aqueous		Aqueous		Aqueous		Aqueous	
	Sampled Date	4/6/10		4/6/10		4/6/10		4/7/10	
PARAMETER(Units)		Conc	Q RL	Conc	Q RL	Conc	Q RL	Conc	Q RL
Volatiles (Units)		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*	
Vinyl chloride		ND	1.00	ND	1.00	1.50	1.00	ND	1.00
1,1-Dichloroethane		ND	1.00	ND	1.00	1.66	1.00	ND	1.00
cis-1,2-Dichloroethene		ND	1.00	ND	1.00	ND	1.00	ND	1.00
1,1,1-Trichloroethane		ND	1.00	4.23	1.00	ND	1.00	ND	1.00
Trichloroethene		ND	1.00	25.1	1.00	3.35	1.00	ND	1.00
Tetrachloroethene		ND	1.00	3.28	1.00	ND	1.00	ND	1.00
TOTAL VO's:		ND		32.6		6.51		ND	

	Lab ID:	03186-009		03186-010		03186-011	
	Client ID:	GP-104R		GP-103R		MW-13R	
	Matrix:	Aqueous		Aqueous		Aqueous	
	Sampled Date	4/7/10		4/7/10		4/7/10	
PARAMETER(Units)		Conc	Q RL	Conc	Q RL	Conc	Q RL
Volatiles (Units)		*(ug/L-ppb)*		*(ug/L-ppb)*		*(ug/L-ppb)*	
Vinyl chloride		ND	1.00	3.02	1.00	ND	1.00
trans-1,2-Dichloroethene		0.686	J 1.00	ND	1.00	ND	1.00
1,1-Dichloroethane		1.30	1.00	ND	1.00	ND	1.00
cis-1,2-Dichloroethene		1.06	1.00	1.91	1.00	ND	1.00
Trichloroethene		1.05	1.00	1.29	1.00	ND	1.00
TOTAL VO's:		4.10	J	6.22		ND	

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 03186-001
Client ID: FB_(040610)
Date Received: 04/07/2010
Date Analyzed: 04/09/2010
Data file: J8212.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.550
Vinyl chloride	ND		1.00	0.460
Bromomethane	ND		1.00	0.870
Chloroethane	ND		1.00	0.720
Trichlorofluoromethane	ND		1.00	0.750
Acrolein	ND		20.0	1.44
1,1-Dichloroethene	ND		1.00	0.590
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.62
trans-1,2-Dichloroethene	ND		1.00	0.480
1,1-Dichloroethane	ND		1.00	0.450
cis-1,2-Dichloroethene	ND		1.00	0.380
Chloroform	ND		1.00	0.250
1,1,1-Trichloroethane	ND		1.00	0.310
Carbon tetrachloride	ND		1.00	0.220
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.200
Trichloroethene	ND		1.00	0.230
1,2-Dichloropropane	ND		1.00	0.240
Bromodichloromethane	ND		1.00	0.230
2-Chloroethyl vinyl ether	ND		1.00	0.630
cis-1,3-Dichloropropene	ND		1.00	0.250
Toluene	ND		1.00	0.190
trans-1,3-Dichloropropene	ND		1.00	0.190
1,1,2-Trichloroethane	ND		1.00	0.300
Tetrachloroethene	ND		1.00	0.220
Dibromochloromethane	ND		1.00	0.210
Chlorobenzene	ND		1.00	0.190
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.230
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.300
1,4-Dichlorobenzene	ND		1.00	0.190
1,2-Dichlorobenzene	ND		1.00	0.230

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 03186-002
Client ID: TB_(040610)
Date Received: 04/07/2010
Date Analyzed: 04/09/2010
Data file: J8213.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.550
Vinyl chloride	ND		1.00	0.460
Bromomethane	ND		1.00	0.870
Chloroethane	ND		1.00	0.720
Trichlorofluoromethane	ND		1.00	0.750
Acrolein	ND		20.0	1.44
1,1-Dichloroethene	ND		1.00	0.590
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.62
trans-1,2-Dichloroethene	ND		1.00	0.480
1,1-Dichloroethane	ND		1.00	0.450
cis-1,2-Dichloroethene	ND		1.00	0.380
Chloroform	ND		1.00	0.250
1,1,1-Trichloroethane	ND		1.00	0.310
Carbon tetrachloride	ND		1.00	0.220
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.200
Trichloroethene	ND		1.00	0.230
1,2-Dichloropropane	ND		1.00	0.240
Bromodichloromethane	ND		1.00	0.230
2-Chloroethyl vinyl ether	ND		1.00	0.630
cis-1,3-Dichloropropene	ND		1.00	0.250
Toluene	ND		1.00	0.190
trans-1,3-Dichloropropene	ND		1.00	0.190
1,1,2-Trichloroethane	ND		1.00	0.300
Tetrachloroethene	ND		1.00	0.220
Dibromochloromethane	ND		1.00	0.210
Chlorobenzene	ND		1.00	0.190
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.230
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.300
1,4-Dichlorobenzene	ND		1.00	0.190
1,2-Dichlorobenzene	ND		1.00	0.230

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 03186-003
Client ID: PTW-2
Date Received: 04/07/2010
Date Analyzed: 04/09/2010
Data file: J8214.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.550
Vinyl chloride	1.38		1.00	0.460
Bromomethane	ND		1.00	0.870
Chloroethane	ND		1.00	0.720
Trichlorofluoromethane	ND		1.00	0.750
Acrolein	ND		20.0	1.44
1,1-Dichloroethene	ND		1.00	0.590
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.62
trans-1,2-Dichloroethene	ND		1.00	0.480
1,1-Dichloroethane	1.79		1.00	0.450
Chloroform	ND		1.00	0.250
1,1,1-Trichloroethane	ND		1.00	0.310
Carbon tetrachloride	ND		1.00	0.220
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.200
Trichloroethene	3.48		1.00	0.230
1,2-Dichloropropane	ND		1.00	0.240
Bromodichloromethane	ND		1.00	0.230
2-Chloroethyl vinyl ether	ND		1.00	0.630
cis-1,3-Dichloropropene	ND		1.00	0.250
Toluene	ND		1.00	0.190
trans-1,3-Dichloropropene	ND		1.00	0.190
1,1,2-Trichloroethane	ND		1.00	0.300
Tetrachloroethene	ND		1.00	0.220
Dibromochloromethane	ND		1.00	0.210
Chlorobenzene	ND		1.00	0.190
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.230
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.300
1,4-Dichlorobenzene	ND		1.00	0.190
1,2-Dichlorobenzene	ND		1.00	0.230

Total Target Compounds: 6.65

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 03186-004
Client ID: MW-9S
Date Received: 04/07/2010
Date Analyzed: 04/09/2010
Data file: J8215.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.550
Vinyl chloride	7.31		1.00	0.460
Bromomethane	ND		1.00	0.870
Chloroethane	ND		1.00	0.720
Trichlorofluoromethane	ND		1.00	0.750
Acrolein	ND		20.0	1.44
1,1-Dichloroethene	ND		1.00	0.590
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.62
trans-1,2-Dichloroethene	2.00		1.00	0.480
1,1-Dichloroethane	4.16		1.00	0.450
cis-1,2-Dichloroethene	6.59		1.00	0.380
Chloroform	ND		1.00	0.250
1,1,1-Trichloroethane	ND		1.00	0.310
Carbon tetrachloride	ND		1.00	0.220
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.200
Trichloroethene	1.90		1.00	0.230
1,2-Dichloropropane	ND		1.00	0.240
Bromodichloromethane	ND		1.00	0.230
2-Chloroethyl vinyl ether	ND		1.00	0.630
cis-1,3-Dichloropropene	ND		1.00	0.250
Toluene	ND		1.00	0.190
trans-1,3-Dichloropropene	ND		1.00	0.190
1,1,2-Trichloroethane	ND		1.00	0.300
Tetrachloroethene	ND		1.00	0.220
Dibromochloromethane	ND		1.00	0.210
Chlorobenzene	ND		1.00	0.190
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.230
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.300
1,4-Dichlorobenzene	ND		1.00	0.190
1,2-Dichlorobenzene	ND		1.00	0.230

Total Target Compounds: 22.0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 03186-005
Client ID: MW-9D
Date Received: 04/07/2010
Date Analyzed: 04/09/2010
Data file: J8216.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.550
Vinyl chloride	ND		1.00	0.460
Bromomethane	ND		1.00	0.870
Chloroethane	ND		1.00	0.720
Trichlorofluoromethane	ND		1.00	0.750
Acrolein	ND		20.0	1.44
1,1-Dichloroethene	ND		1.00	0.590
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.62
trans-1,2-Dichloroethene	ND		1.00	0.480
1,1-Dichloroethane	ND		1.00	0.450
cis-1,2-Dichloroethene	ND		1.00	0.380
Chloroform	ND		1.00	0.250
1,1,1-Trichloroethane	ND		1.00	0.310
Carbon tetrachloride	ND		1.00	0.220
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.200
Trichloroethene	ND		1.00	0.230
1,2-Dichloropropane	ND		1.00	0.240
Bromodichloromethane	ND		1.00	0.230
2-Chloroethyl vinyl ether	ND		1.00	0.630
cis-1,3-Dichloropropene	ND		1.00	0.250
Toluene	ND		1.00	0.190
trans-1,3-Dichloropropene	ND		1.00	0.190
1,1,2-Trichloroethane	ND		1.00	0.300
Tetrachloroethene	ND		1.00	0.220
Dibromochloromethane	ND		1.00	0.210
Chlorobenzene	ND		1.00	0.190
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.230
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.300
1,4-Dichlorobenzene	ND		1.00	0.190
1,2-Dichlorobenzene	ND		1.00	0.230

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 03186-006
Client ID: MW-6S
Date Received: 04/07/2010
Date Analyzed: 04/09/2010
Data file: J8217.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.550
Vinyl chloride	ND		1.00	0.460
Bromomethane	ND		1.00	0.870
Chloroethane	ND		1.00	0.720
Trichlorofluoromethane	ND		1.00	0.750
Acrolein	ND		20.0	1.44
1,1-Dichloroethene	ND		1.00	0.590
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.62
trans-1,2-Dichloroethene	ND		1.00	0.480
1,1-Dichloroethane	ND		1.00	0.450
cis-1,2-Dichloroethene	ND		1.00	0.380
Chloroform	ND		1.00	0.250
1,1,1-Trichloroethane	4.23		1.00	0.310
Carbon tetrachloride	ND		1.00	0.220
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.200
Trichloroethene	25.1		1.00	0.230
1,2-Dichloropropane	ND		1.00	0.240
Bromodichloromethane	ND		1.00	0.230
2-Chloroethyl vinyl ether	ND		1.00	0.630
cis-1,3-Dichloropropene	ND		1.00	0.250
Toluene	ND		1.00	0.190
trans-1,3-Dichloropropene	ND		1.00	0.190
1,1,2-Trichloroethane	ND		1.00	0.300
Tetrachloroethene	3.28		1.00	0.220
Dibromochloromethane	ND		1.00	0.210
Chlorobenzene	ND		1.00	0.190
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.230
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.300
1,4-Dichlorobenzene	ND		1.00	0.190
1,2-Dichlorobenzene	ND		1.00	0.230

Total Target Compounds: 32.6

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 03186-007
Client ID: DUP_(040610)
Date Received: 04/07/2010
Date Analyzed: 04/09/2010
Data file: J8218.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.550
Vinyl chloride	1.50		1.00	0.460
Bromomethane	ND		1.00	0.870
Chloroethane	ND		1.00	0.720
Trichlorofluoromethane	ND		1.00	0.750
Acrolein	ND		20.0	1.44
1,1-Dichloroethene	ND		1.00	0.590
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.62
trans-1,2-Dichloroethene	ND		1.00	0.480
1,1-Dichloroethane	1.66		1.00	0.450
Chloroform	ND		1.00	0.250
1,1,1-Trichloroethane	ND		1.00	0.310
Carbon tetrachloride	ND		1.00	0.220
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.200
Trichloroethene	3.35		1.00	0.230
1,2-Dichloropropane	ND		1.00	0.240
Bromodichloromethane	ND		1.00	0.230
2-Chloroethyl vinyl ether	ND		1.00	0.630
cis-1,3-Dichloropropene	ND		1.00	0.250
Toluene	ND		1.00	0.190
trans-1,3-Dichloropropene	ND		1.00	0.190
1,1,2-Trichloroethane	ND		1.00	0.300
Tetrachloroethene	ND		1.00	0.220
Dibromochloromethane	ND		1.00	0.210
Chlorobenzene	ND		1.00	0.190
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.230
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.300
1,4-Dichlorobenzene	ND		1.00	0.190
1,2-Dichlorobenzene	ND		1.00	0.230

Total Target Compounds: 6.51

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 03186-008
Client ID: FB_(040710)
Date Received: 04/07/2010
Date Analyzed: 04/13/2010
Data file: L4830.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.270
Vinyl chloride	ND		1.00	0.410
Bromomethane	ND		1.00	0.520
Chloroethane	ND		1.00	0.620
Trichlorofluoromethane	ND		1.00	0.460
Acrolein	ND		20.0	1.75
1,1-Dichloroethene	ND		1.00	0.450
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.33
trans-1,2-Dichloroethene	ND		1.00	0.460
1,1-Dichloroethane	ND		1.00	0.390
cis-1,2-Dichloroethene	ND		1.00	0.420
Chloroform	ND		1.00	0.430
1,1,1-Trichloroethane	ND		1.00	0.400
Carbon tetrachloride	ND		1.00	0.380
1,2-Dichloroethane (EDC)	ND		1.00	0.330
Benzene	ND		1.00	0.370
Trichloroethene	ND		1.00	0.380
1,2-Dichloropropane	ND		1.00	0.340
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.320
cis-1,3-Dichloropropene	ND		1.00	0.260
Toluene	ND		1.00	0.280
trans-1,3-Dichloropropene	ND		1.00	0.240
1,1,2-Trichloroethane	ND		1.00	0.400
Tetrachloroethene	ND		1.00	0.330
Dibromochloromethane	ND		1.00	0.220
Chlorobenzene	ND		1.00	0.430
Ethylbenzene	ND		1.00	0.380
Total Xylenes	ND		2.00	0.790
Bromoform	ND		1.00	0.350
1,1,2,2-Tetrachloroethane	ND		1.00	0.220
1,3-Dichlorobenzene	ND		1.00	0.340
1,4-Dichlorobenzene	ND		1.00	0.370
1,2-Dichlorobenzene	ND		1.00	0.340

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 03186-009
Client ID: GP-104R
Date Received: 04/07/2010
Date Analyzed: 04/13/2010
Data file: L4831.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.270
Vinyl chloride	ND		1.00	0.410
Bromomethane	ND		1.00	0.520
Chloroethane	ND		1.00	0.620
Trichlorofluoromethane	ND		1.00	0.460
Acrolein	ND		20.0	1.75
1,1-Dichloroethene	ND		1.00	0.450
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.33
trans-1,2-Dichloroethene	0.686	J	1.00	0.460
1,1-Dichloroethane	1.30		1.00	0.390
cis-1,2-Dichloroethene	1.06		1.00	0.420
Chloroform	ND		1.00	0.430
1,1,1-Trichloroethane	ND		1.00	0.400
Carbon tetrachloride	ND		1.00	0.380
1,2-Dichloroethane (EDC)	ND		1.00	0.330
Benzene	ND		1.00	0.370
Trichloroethene	1.05		1.00	0.380
1,2-Dichloropropane	ND		1.00	0.340
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.320
cis-1,3-Dichloropropene	ND		1.00	0.260
Toluene	ND		1.00	0.280
trans-1,3-Dichloropropene	ND		1.00	0.240
1,1,2-Trichloroethane	ND		1.00	0.400
Tetrachloroethene	ND		1.00	0.330
Dibromochloromethane	ND		1.00	0.220
Chlorobenzene	ND		1.00	0.430
Ethylbenzene	ND		1.00	0.380
Total Xylenes	ND		2.00	0.790
Bromoform	ND		1.00	0.350
1,1,2,2-Tetrachloroethane	ND		1.00	0.220
1,3-Dichlorobenzene	ND		1.00	0.340
1,4-Dichlorobenzene	ND		1.00	0.370
1,2-Dichlorobenzene	ND		1.00	0.340
Total Target Compounds:	4.10	J		

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 03186-010
Client ID: GP-103R
Date Received: 04/07/2010
Date Analyzed: 04/13/2010
Data file: L4832.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.270
Vinyl chloride	3.02		1.00	0.410
Bromomethane	ND		1.00	0.520
Chloroethane	ND		1.00	0.620
Trichlorofluoromethane	ND		1.00	0.460
Acrolein	ND		20.0	1.75
1,1-Dichloroethene	ND		1.00	0.450
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.33
trans-1,2-Dichloroethene	ND		1.00	0.460
1,1-Dichloroethane	ND		1.00	0.390
cis-1,2-Dichloroethene	1.91		1.00	0.420
Chloroform	ND		1.00	0.430
1,1,1-Trichloroethane	ND		1.00	0.400
Carbon tetrachloride	ND		1.00	0.380
1,2-Dichloroethane (EDC)	ND		1.00	0.330
Benzene	ND		1.00	0.370
Trichloroethene	1.29		1.00	0.380
1,2-Dichloropropane	ND		1.00	0.340
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.320
cis-1,3-Dichloropropene	ND		1.00	0.260
Toluene	ND		1.00	0.280
trans-1,3-Dichloropropene	ND		1.00	0.240
1,1,2-Trichloroethane	ND		1.00	0.400
Tetrachloroethene	ND		1.00	0.330
Dibromochloromethane	ND		1.00	0.220
Chlorobenzene	ND		1.00	0.430
Ethylbenzene	ND		1.00	0.380
Total Xylenes	ND		2.00	0.790
Bromoform	ND		1.00	0.350
1,1,2,2-Tetrachloroethane	ND		1.00	0.220
1,3-Dichlorobenzene	ND		1.00	0.340
1,4-Dichlorobenzene	ND		1.00	0.370
1,2-Dichlorobenzene	ND		1.00	0.340

Total Target Compounds: 6.22

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 03186-011
Client ID: MW-13R
Date Received: 04/07/2010
Date Analyzed: 04/13/2010
Data file: L4833.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.270
Vinyl chloride	ND		1.00	0.410
Bromomethane	ND		1.00	0.520
Chloroethane	ND		1.00	0.620
Trichlorofluoromethane	ND		1.00	0.460
Acrolein	ND		20.0	1.75
1,1-Dichloroethene	ND		1.00	0.450
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.33
trans-1,2-Dichloroethene	ND		1.00	0.460
1,1-Dichloroethane	ND		1.00	0.390
cis-1,2-Dichloroethene	ND		1.00	0.420
Chloroform	ND		1.00	0.430
1,1,1-Trichloroethane	ND		1.00	0.400
Carbon tetrachloride	ND		1.00	0.380
1,2-Dichloroethane (EDC)	ND		1.00	0.330
Benzene	ND		1.00	0.370
Trichloroethene	ND		1.00	0.380
1,2-Dichloropropane	ND		1.00	0.340
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.320
cis-1,3-Dichloropropene	ND		1.00	0.260
Toluene	ND		1.00	0.280
trans-1,3-Dichloropropene	ND		1.00	0.240
1,1,2-Trichloroethane	ND		1.00	0.400
Tetrachloroethene	ND		1.00	0.330
Dibromochloromethane	ND		1.00	0.220
Chlorobenzene	ND		1.00	0.430
Ethylbenzene	ND		1.00	0.380
Total Xylenes	ND		2.00	0.790
Bromoform	ND		1.00	0.350
1,1,2,2-Tetrachloroethane	ND		1.00	0.220
1,3-Dichlorobenzene	ND		1.00	0.340
1,4-Dichlorobenzene	ND		1.00	0.370
1,2-Dichlorobenzene	ND		1.00	0.340

Total Target Compounds: 0

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: L4208.D

BFB Injection Date: 03/18/2010

Inst ID: MSD_L

BFB Injection Time: 11:21

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	22.6			
75	30.0 - 60.0% of mass 95	54.7			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.8			
173	Less than 2.0% of mass 174	0.5	(	0.6	)1
174	Great than 50.0% of mass 95	88.1			
175	5.0 - 9.0% of mass 174	6.3	(	7.1	)1
176	95.0 - 101.0% of mass 174	87.0	(	98.8	)1
177	5.0 - 9.0% of mass 176	5.8	(	6.7	)2
	1-Value is % mass 174	2-Value is % mass 176			

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
1PPB	STD-1PPB	L4210.D	03/18/2010	12:37
5PPB	STD-5PPB	L4212.D	03/18/2010	13:31
2PPB	STD-2PPB	L4213.D	03/18/2010	14:13
20PPB	STD-20PPB	L4214.D	03/18/2010	14:41
100PPB	STD-100PPB	L4215.D	03/18/2010	15:09
150PPB	STD-150PPB	L4216.D	03/18/2010	15:38
200PPB	STD-200PPB	L4217.D	03/18/2010	16:07
N/A	METHOD-BLK	L4221.D	03/18/2010	18:21
TB04_(031810)	02456-002	L4222.D	03/18/2010	18:50
171MW11_(60-80	02456-001	L4224.D	03/18/2010	19:45
LCS-50PPB	BLK-SPK	L4225.D	03/18/2010	20:12
MS	02373-013MS	L4226.D	03/18/2010	20:39
MSD	02373-013MSD	L4227.D	03/18/2010	21:06
FIELD_BLANK	02373-013	L4228.D	03/18/2010	21:33
FIELD_BLANK	02375-020	L4229.D	03/18/2010	21:59

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: L4816.D

BFB Injection Date: 04/13/2010

Inst ID: MSD_L

BFB Injection Time: 11:47

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	19.1			
75	30.0 - 60.0% of mass 95	50.7			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.8			
173	Less than 2.0% of mass 174	0.4	(	0.5	)1
174	Great than 50.0% of mass 95	85.7			
175	5.0 - 9.0% of mass 174	6.1	(	7.1	)1
176	95.0 - 101.0% of mass 174	82.4	(	96.1	)1
177	5.0 - 9.0% of mass 176	5.5	(	6.7	)2
	1-Value is % mass 174	2-Value is % mass 176			

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
N/A	METHOD-BLK	L4820.D	04/13/2010	13:39
TCLP	TCLP-BLK	L4821.D	04/13/2010	14:06
FIELD_BLANK	03181-006	L4822.D	04/13/2010	14:33
ST._GEORGE_(OI	03299-001	L4823.D	04/13/2010	14:59
LCS-50PPB	BLK-SPK	L4824.D	04/13/2010	15:26
TCLP	TCLP--SPK	L4825.D	04/13/2010	15:56
MS	03311-018MS	L4826.D	04/13/2010	16:49
MSD	03311-018MSD	L4827.D	04/13/2010	17:15
FB-SOIL	03311-018	L4828.D	04/13/2010	17:42
FIELD	03233-001	L4829.D	04/13/2010	18:09
FB_(040710)	03186-008	L4830.D	04/13/2010	18:36
GP-104R	03186-009	L4831.D	04/13/2010	19:02
GP-103R	03186-010	L4832.D	04/13/2010	19:29
MW-13R	03186-011	L4833.D	04/13/2010	19:55
EFFLUENT	03274-002	L4834.D	04/13/2010	20:22
INFLUENT	03274-001	L4835.D	04/13/2010	20:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J7560.D

BFB Injection Date: 03/22/2010

Inst ID: MSD_J

BFB Injection Time: 8:28

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	21.1			
75	30.0 - 60.0% of mass 95	58.4			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.8			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	72.0			
175	5.0 - 9.0% of mass 174	5.5	(	7.7	)1
176	95.0 - 101.0% of mass 174	69.0	(	95.8	)1
177	5.0 - 9.0% of mass 176	4.5	(	6.5	)2
	1-Value is % mass 174	2-Value is % mass 176			

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
5PPB	STD-5PPB	J7562.D	03/22/2010	9:26
20PPB	STD-20PPB	J7563.D	03/22/2010	9:55
1PPB	STD-1PPB	J7564.D	03/22/2010	10:24
200PPB	STD-200PPB	J7565.D	03/22/2010	10:53
100PPB	STD-100PPB	J7566.D	03/22/2010	11:22
2PPB	STD-2PPB	J7567.D	03/22/2010	11:52
150PPB	STD-150PPB	J7568.D	03/22/2010	12:21
NA	METHOD-BLK	J7570.D	03/22/2010	13:30
TCLP	TCLP-BLK	J7571.D	03/22/2010	13:59
SP-2	02482-001	J7572.D	03/22/2010	14:28
TCLP	TCLP-SPK	J7573.D	03/22/2010	14:57
TB06_(032210)	02562-001	J7574.D	03/22/2010	15:42
171MW10B(80-10	02562-002	J7575.D	03/22/2010	16:11
171MW10B(60-80	02562-003	J7576.D	03/22/2010	16:40
MS	MS	J7577.D	03/22/2010	17:09
MSD	MSD	J7578.D	03/22/2010	17:39
LCS-50PPB	BLK-SPK	J7579.D	03/22/2010	18:08
MW-21I/59	02358-001	J7580.D	03/22/2010	18:37
MW-22I/59	02358-003	J7582.D	03/22/2010	19:35
171MW10B(60-80	02562-003	J7583.D	03/22/2010	20:04

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J8198.D BFB Injection Date: 04/09/2010

Inst ID: MSD_J BFB Injection Time: 9:13

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	23.2			
75	30.0 - 60.0% of mass 95	49.7			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.9			
173	Less than 2.0% of mass 174	0.2	(	0.3	)1
174	Great than 50.0% of mass 95	66.2			
175	5.0 - 9.0% of mass 174	5.0	(	7.6	)1
176	95.0 - 101.0% of mass 174	63.8	(	96.4	)1
177	5.0 - 9.0% of mass 176	3.9	(	6.1	)2
	1-Value is % mass 174	2-Value is % mass 176			

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
100PPB	STD-100PPB	J8199.D	04/09/2010	11:53
NA	METHOD-BLK	J8201.D	04/09/2010	13:00
MW-18	03077-001	J8202.D	04/09/2010	13:29
LCS-50PPB	BLK-SPK	J8203.D	04/09/2010	13:58
MS	03186-005MS	J8204.D	04/09/2010	14:27
MSD	03186-005MSD	J8205.D	04/09/2010	14:56
BLDG_710	03086-001	J8208.D	04/09/2010	16:23
FB040710	03187-004	J8209.D	04/09/2010	16:52
TB040710	03187-005	J8210.D	04/09/2010	17:21
FIELD_BLANK	03181-006	J8211.D	04/09/2010	17:50
FB_(040610)	03186-001	J8212.D	04/09/2010	18:18
TB_(040610)	03186-002	J8213.D	04/09/2010	18:47
PTW-2	03186-003	J8214.D	04/09/2010	19:15
MW-9S	03186-004	J8215.D	04/09/2010	19:44
MW-9D	03186-005	J8216.D	04/09/2010	20:13
MW-6S	03186-006	J8217.D	04/09/2010	20:42
DUP_(040610)	03186-007	J8218.D	04/09/2010	21:10

VOLATILE METHOD BLANK SUMMARY

Lab File ID: ~~L4821.D~~ L4820.D 4/22/10-ADK

Instrument ID: MSD_L

Date Analyzed: 04/13/2010

Time Analyzed: ~~14:06~~ 13:39

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FIELD_BLANK	03181-006	04/13/2010	14:33
ST._GEORGE_(OL	03299-001	04/13/2010	14:59
LCS-50PPB	BLK-SPK	04/13/2010	15:26
TCLP	TCLP--SPK	04/13/2010	15:56
MS	03311-018MS	04/13/2010	16:49
MSD	03311-018MSD	04/13/2010	17:15
FB-SOIL	03311-018	04/13/2010	17:42
FIELD	03233-001	04/13/2010	18:09
FB_(040710)	03186-008	04/13/2010	18:36
GP-104R	03186-009	04/13/2010	19:02
GP-103R	03186-010	04/13/2010	19:29
MW-13R	03186-011	04/13/2010	19:55
EFFLUENT	03274-002	04/13/2010	20:22
INFLUENT	03274-001	04/13/2010	20:49

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: N/A
Date Received:
Date Analyzed: 04/13/2010
Data file: L4820.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.360
Bromomethane	ND		1.00	0.430
Chloroethane	ND		1.00	0.370
Trichlorofluoromethane	ND		1.00	0.340
Acrolein	ND		20.0	1.81
1,1-Dichloroethene	ND		1.00	0.370
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.11
trans-1,2-Dichloroethene	ND		1.00	0.350
1,1-Dichloroethane	ND		1.00	0.340
cis-1,2-Dichloroethene	ND		1.00	0.270
Chloroform	ND		1.00	0.260
1,1,1-Trichloroethane	ND		1.00	0.300
Carbon tetrachloride	ND		1.00	0.270
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.290
Trichloroethene	ND		1.00	0.340
1,2-Dichloropropane	ND		1.00	0.280
Bromodichloromethane	ND		1.00	0.250
2-Chloroethyl vinyl ether	ND		1.00	0.860
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.290
trans-1,3-Dichloropropene	ND		1.00	0.270
1,1,2-Trichloroethane	ND		1.00	0.260
Tetrachloroethene	ND		1.00	0.330
Dibromochloromethane	ND		1.00	0.220
Chlorobenzene	ND		1.00	0.210
Ethylbenzene	ND		1.00	0.310
Total Xylenes	ND		2.00	0.820
Bromoform	ND		1.00	0.170
1,1,2,2-Tetrachloroethane	ND		1.00	0.250
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.250
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project:

Lab ID: METHOD-BLK
Client ID: N/A
Date Received:
Date Analyzed: 04/13/2010
Date File: L4820.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time

No peaks detected

Total TICs = 0

VOLATILE METHOD BLANK SUMMARY

Lab File ID: J8201.D

Instrument ID: MSD_J

Date Analyzed: 04/09/2010

Time Analyzed: 13:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
MW-18	03077-001	04/09/2010	13:29
LCS-50PPB	BLK-SPK	04/09/2010	13:58
MS	03186-005MS	04/09/2010	14:27
MSD	03186-005MSD	04/09/2010	14:56
BLDG_710	03086-001	04/09/2010	16:23
FB040710	03187-004	04/09/2010	16:52
TB040710	03187-005	04/09/2010	17:21
FIELD_BLANK	03181-006	04/09/2010	17:50
FB_(040610)	03186-001	04/09/2010	18:18
TB_(040610)	03186-002	04/09/2010	18:47
PTW-2	03186-003	04/09/2010	19:15
MW-9S	03186-004	04/09/2010	19:44
MW-9D	03186-005	04/09/2010	20:13
MW-6S	03186-006	04/09/2010	20:42
DUP_(040610)	03186-007	04/09/2010	21:10

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: NA
Date Received:
Date Analyzed: 04/09/2010
Data file: J8201.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.550
Vinyl chloride	ND		1.00	0.460
Bromomethane	ND		1.00	0.870
Chloroethane	ND		1.00	0.720
Trichlorofluoromethane	ND		1.00	0.750
Acrolein	ND		20.0	1.44
1,1-Dichloroethene	ND		1.00	0.590
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.62
trans-1,2-Dichloroethene	ND		1.00	0.480
1,1-Dichloroethane	ND		1.00	0.450
cis-1,2-Dichloroethene	ND		1.00	0.380
Chloroform	ND		1.00	0.250
1,1,1-Trichloroethane	ND		1.00	0.310
Carbon tetrachloride	ND		1.00	0.220
1,2-Dichloroethane (EDC)	ND		1.00	0.240
Benzene	ND		1.00	0.200
Trichloroethene	ND		1.00	0.230
1,2-Dichloropropane	ND		1.00	0.240
Bromodichloromethane	ND		1.00	0.230
2-Chloroethyl vinyl ether	ND		1.00	0.630
cis-1,3-Dichloropropene	ND		1.00	0.250
Toluene	ND		1.00	0.190
trans-1,3-Dichloropropene	ND		1.00	0.190
1,1,2-Trichloroethane	ND		1.00	0.300
Tetrachloroethene	ND		1.00	0.220
Dibromochloromethane	ND		1.00	0.210
Chlorobenzene	ND		1.00	0.190
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.230
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.300
1,4-Dichlorobenzene	ND		1.00	0.190
1,2-Dichlorobenzene	ND		1.00	0.230

Total Target Compounds: 0

Response Factor Report MSD_L

Method Path : C:\MSDCHEM\1\METHODS\
Method File : LAM0318.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Mar 19 11:52:06 2010
Response Via : Initial Calibration

Calibration Files
1 =L4210.D 2 =L4213.D 5 =L4212.D
20 =L4214.D 100 =L4215.D 200 =L4217.D 150 =L4216.D

		Compound	1	2	5	20	100	200	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------								
2)	T	Dichlorodifluorom	0.425		0.342	0.479	0.478	0.379	0.409	0.419	13.01
3)	P	Chloromethane	1.048		1.058	1.138	0.994	0.806	0.839	0.981	13.37
4)	C	Vinyl chloride	1.073		0.945	1.077	0.964	0.811	0.837	0.951	11.84
5)	T	Bromomethane	0.613		0.647	0.692	0.515	0.477	0.553	0.583	14.11
6)	T	Chloroethane	0.629		0.547	0.539	0.414	0.473	0.538	0.524	13.97
7)	T	Trichlorofluorome	1.087		0.917	1.226	1.110	0.831	0.926	1.016	14.61
8)	T	Acrolein	0.092		0.106	0.096	0.115	0.082	0.094	0.098	11.85
9)	MC	1,1-Dichloroethen	0.794		0.799	0.893	0.784	0.607	0.649	0.754	14.11
10)	T	Acetone	0.161		0.159	0.191	0.182	0.145	0.149	0.164	11.03
11)	T	Carbon disulfide	2.902		2.512	2.947	2.733	2.193	2.301	2.598	12.08
12)	T	Vinyl acetate	1.925		1.762	2.051	2.035	1.861	1.816	1.908	6.15
13)	T	Methylene chlorid	1.339	1.566	1.155	1.204	1.732	1.539	1.548	1.440	14.73
14)	T	Acrylonitrile	0.127		0.143	0.136	0.181	0.171	0.172	0.155	14.51
15)	T	tert-Butyl alcoho	0.086		0.077	0.077	0.069	0.061	0.060	0.072	14.04
16)	T	trans-1,2-Dichlor	0.545		0.510	0.573	0.605	0.640	0.588	0.577	7.94
17)	T	Methyl tert-butyl	1.531		1.502	1.743	1.785	1.814	1.678	1.675	7.86
18)	P	1,1-Dichloroethan	0.900		0.902	1.009	0.976	0.912	0.878	0.929	5.53
19)	T	Diisopropyl ether	1.963		1.883	2.151	2.099	1.940	1.879	1.986	5.72
20)	T	cis-1,2-Dichloroe	0.579		0.549	0.637	0.661	0.659	0.617	0.617	7.33
21)	T	2,2-Dichloropropa	0.709		0.686	0.811	0.840	0.839	0.795	0.780	8.52
22)	T	2-Butanone (MEK)	0.256		0.237	0.260	0.250	0.239	0.227	0.245	5.15
23)	T	Bromochloromethan	0.264		0.279	0.317	0.324	0.318	0.299	0.300	8.06
25)	C	Chloroform	0.930		0.908	1.038	1.020	0.965	0.923	0.964	5.61
26)	T	1,1,1-Trichloroet	0.656		0.674	0.801	0.816	0.829	0.781	0.759	9.92
27)	T	Carbon tetrachlor	0.493		0.421	0.588	0.587	0.607	0.583	0.547	13.44
28)	T	1,1-Dichloroprope	0.638		0.588	0.680	0.709	0.715	0.678	0.668	7.15
29)	T	1,2-Dichloroethan	0.754		0.788	0.890	0.915	0.871	0.829	0.841	7.41
30)	S	1,2-Dichloroethan	0.459	0.477	0.471	0.480	0.453	0.413	0.426	0.454	5.70
31)	I	1,4-Difluorobenzene	----------ISTD----------								
32)	M	Benzene	1.312		1.273	1.449	1.599	1.719	1.562	1.486	11.66
33)	M	Trichloroethene	0.355		0.331	0.368	0.403	0.442	0.399	0.383	10.31
34)	C	1,2-Dichloropropa	0.326		0.330	0.382	0.397	0.412	0.380	0.371	9.49
35)	T	Dibromomethane	0.268		0.211	0.251	0.281	0.301	0.272	0.264	11.59
36)	T	1,4-Dioxane		0.003	0.003	0.004	0.003	0.004	0.003	0.003	6.61
37)	T	Bromodichlorometh	0.412		0.523	0.431	0.532	0.577	0.519	0.499	12.79
38)	T	2-Chloroethyl vin	0.278		0.373	0.259	0.270	0.292	0.266	0.290	14.59
39)	T	cis-1,3-Dichlorop	0.592		0.460	0.593	0.665	0.711	0.649	0.612	14.24
40)	T	4-Methyl-2-pentan	0.357		0.310	0.382	0.393	0.413	0.380	0.372	9.62
41)	S	Toluene-d8	0.947	0.971	0.951	0.986	0.969	0.978	0.973	0.968	1.47
42)	MC	Toluene	0.933		1.248	0.918	1.027	1.186	1.051	1.060	12.54
43)	T	trans-1,3-Dichlor	0.433		0.570	0.558	0.642	0.655	0.640	0.583	14.43
44)	T	1,1,2-Trichloroet	0.239		0.239	0.290	0.305	0.329	0.300	0.284	13.00
45)	T	Tetrachloroethene	0.336		0.309	0.339	0.374	0.452	0.394	0.368	13.90
46)	T	1,3-Dichloropropa	0.473		0.478	0.578	0.600	0.657	0.590	0.563	12.96
47)	T	2-Hexanone	0.336		0.225	0.280	0.281	0.300	0.273	0.283	12.78
48)	T	Dibromochlorometh	0.279		0.308	0.294	0.361	0.407	0.358	0.335	14.65
49)	T	1,2-Dibromoethane	0.441		0.463	0.349	0.378	0.422	0.376	0.405	10.84
50)	I	Chlorobenzene-d5	----------ISTD----------								
51)	MP	Chlorobenzene	0.996		0.955	1.074	1.199	1.291	1.173	1.115	11.54
52)	T	1,1,1,2-Tetrachlo	0.222		0.252	0.299	0.321	0.259	0.274	0.271	12.89

3)	C	Ethylbenzene	1.459		1.420	1.621	1.825	1.964	1.788	1.680	12.85
4)	T	m,p-Xylene	0.882		0.853	0.677	0.891	0.956	0.902	0.860	11.13
5)	T	o-Xylene	0.843		0.790	0.670	0.887	0.997	0.905	0.849	13.13
6)	T	Styrene	1.331		1.302	1.197	1.569	1.716	1.569	1.447	13.80
7)	P	Bromoform	0.104		0.110	0.140	0.128	0.151	0.135	0.128	14.14
8)	T	Isopropylbenzene	1.283		1.183	1.358	1.592	1.743	1.574	1.455	14.69
9)	S	Bromofluorobenzen	0.409	0.406	0.414	0.402	0.408	0.396	0.395	0.404	1.74
0)	P	1,1,2,2-Tetrachlo	0.361		0.355	0.437	0.487	0.401	0.440	0.413	12.29
1)	T	Bromobenzene	0.415		0.406	0.471	0.596	0.462	0.495	0.474	14.53
2)	T	1,2,3-Trichloropr	0.234		0.255	0.286	0.306	0.314	0.284	0.280	10.85
3)	T	n-Propylbenzene	1.424		1.315	1.510	1.685	1.805	1.637	1.563	11.54
4)	T	2-Chlorotoluene	0.991		1.052	1.037	1.188	1.045	1.339	1.109	11.80
5)	T	1,3,5-Trimethylbe	1.270		1.235	1.132	1.423	1.618	1.446	1.354	12.94
6)	T	4-Chlorotoluene	1.197		1.713	1.245	1.497	1.647	1.474	1.462	14.19
7)	T	tert-Butylbenzene	0.817		0.967	0.848	1.008	1.151	1.014	0.967	12.59
8)	T	1,2,4-Trimethylbe	1.102		1.444	1.198	1.467	1.617	1.453	1.380	13.88
9)	T	sec-Butylbenzene	1.132		0.967	1.112	1.295	1.421	1.292	1.203	13.56
0)	T	1,3-Dichlorobenze	0.729		0.931	0.753	0.929	1.039	0.919	0.883	13.46
1)	T	4-Isopropyltoluen	0.923		1.055	0.994	1.201	1.372	1.210	1.126	14.70
2)	T	1,4-Dichlorobenze	0.778		0.941	0.792	0.979	1.087	0.960	0.923	12.81
3)	T	n-Butylbenzene	0.462		0.487	0.447	0.559	0.625	0.564	0.524	13.27
4)	T	1,2-Dichlorobenze	0.731		0.718	0.767	0.975	0.921	0.978	0.848	14.48
5)	T	1,2-Dibromo-3-chl	0.061		0.039	0.052	0.049	0.054	0.050	0.051	13.68
6)	T	1,2,4-Trichlorobe	0.437		0.341	0.390	0.476	0.521	0.465	0.438	14.73
7)	T	Hexachlorobutadie	0.150		0.116	0.123	0.139	0.113	0.136	0.130	11.18
8)	T	Naphthalene	0.890		0.883	1.090	1.105	1.296	1.069	1.055	14.62
9)	T	1,2,3-Trichlorobe	0.366		0.302	0.343	0.418	0.366	0.418	0.369	12.15
0)	T	1,1,2-Trichloro-1	0.542		0.494	0.488	0.500	0.387	0.413	0.471	12.42
1)	T	Methyl acetate	0.458		0.389	0.433	0.408	0.332	0.337	0.393	12.96
2)	T	Cyclohexane	0.266		0.385	0.383	0.380	0.363	0.349	0.354	12.79
3)	T	Methylcyclohexane	0.257		0.185	0.217	0.238	0.230	0.219	0.224	10.84

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

AM0318.M Fri Mar 19 11:52:12 2010 RPT1

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4817.D
Acq On : 13 Apr 2010 12:14
Operator : MEI
Sample : 100PPB,STD-100PPB,W,5ml,100
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 14 09:58:21 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Mar 25 10:58:10 2010
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	147	0.00
2	T	Dichlorodifluoromethane	0.419	0.423	-1.0	130	0.02
3	P	Chloromethane	0.981	0.800	18.5	119	-0.05
4	C	Vinyl chloride	0.951	0.783	17.7	120	-0.03
5	T	Bromomethane	0.583	0.479	17.8	137	-0.05
6	T	Chloroethane	0.524	0.443	15.5	158	-0.02
7	T	Trichlorofluoromethane	1.016	1.033	-1.7	137	-0.01
8	T	Acrolein	0.098	0.089	9.2	114	0.00
9	MC	1,1-Dichloroethene	0.754	0.767	-1.7	144	-0.01
10	T	Acetone	0.164	0.143	12.8	116	0.00
11	T	Carbon disulfide	2.598	2.523	2.9	136	-0.01
12	T	Vinyl acetate	1.908	1.692	11.3	123	0.00
13	T	Methylene chloride	1.440	1.547	-7.4	132	-0.01
14	T	Acrylonitrile	0.155	0.175	-12.9	142	0.00
15	T	tert-Butyl alcohol (TBA)	0.072	0.073	-1.4	156	-0.01
16	T	trans-1,2-Dichloroethene	0.577	0.652	-13.0	159	0.00
17	T	Methyl tert-butyl ether (MT	1.675	1.532	8.5	127	-0.01
18	P	1,1-Dichloroethane	0.929	0.994	-7.0	150	0.00
19	T	Diisopropyl ether (DIPE)	1.986	1.989	-0.2	140	0.00
20	T	cis-1,2-Dichloroethene	0.617	0.709	-14.9	158	-0.01
21	T	2,2-Dichloropropane	0.780	0.846	-8.5	148	0.00
22	T	2-Butanone (MEK)	0.245	0.263	-7.3	155	0.00
23	T	Bromochloromethane	0.300	0.343	-14.3	156	0.00
25	C	Chloroform	0.964	1.089	-13.0	157	0.00
26	T	1,1,1-Trichloroethane	0.759	0.894	-17.8	161	0.00
27	T	Carbon tetrachloride	0.547	0.638	-16.6	160	0.00
28	T	1,1-Dichloropropene	0.668	0.782	-17.1	163	0.01
29	T	1,2-Dichloroethane (EDC)	0.841	0.838	0.4	135	0.00
30	S	1,2-Dichloroethane-d4	0.454	0.402	11.5	131	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	155	0.00
32	M	Benzene	1.486	1.619	-9.0	157	0.00
33	M	Trichloroethene	0.383	0.429	-12.0	165	0.00
34	C	1,2-Dichloropropane	0.371	0.375	-1.1	146	0.00
35	T	Dibromomethane	0.264	0.240	9.1	133	0.00
37	T	Bromodichloromethane	0.499	0.516	-3.4	150	0.00
38	T	2-Chloroethyl vinyl ether	0.290	0.339	-16.9	194	0.00
39	T	cis-1,3-Dichloropropene	0.612	0.620	-1.3	144	0.00
40	T	4-Methyl-2-pentanone (MIBK)	0.372	0.403	-8.3	159	0.00
41	S	Toluene-d8	0.968	0.982	-1.4	157	0.01
42	MC	Toluene	1.060	1.096	-3.4	165	0.00
43	T	trans-1,3-Dichloropropene	0.583	0.555	4.8	134	0.00
44	T	1,1,2-Trichloroethane	0.284	0.266	6.3	135	0.00
45	T	Tetrachloroethene	0.368	0.426	-15.8	176	0.00
46	T	1,3-Dichloropropane	0.563	0.528	6.2	136	0.00
47	T	2-Hexanone	0.283	0.266	6.0	146	0.00

48	T	Dibromochloromethane	0.335	0.397	-18.5	170	0.00
49	T	1,2-Dibromoethane (EDB)	0.405	0.333	17.8	136	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	173	0.00
51	MP	Chlorobenzene	1.115	1.123	-0.7	162	0.00
52	T	1,1,1,2-Tetrachloroethane	0.271	0.315	-16.2	170	0.00
53	C	Ethylbenzene	1.680	1.700	-1.2	161	0.00
54	T	m,p-Xylene	0.860	0.813	5.5	158	0.00
55	T	o-Xylene	0.849	0.813	4.2	159	0.00
56	T	Styrene	1.447	1.398	3.4	154	0.00
57	P	Bromoform	0.128	0.150	-17.2	203	0.00
58	T	Isopropylbenzene	1.455	1.520	-4.5	165	0.00
59	S	Bromofluorobenzene	0.404	0.389	3.7	165	0.00
60	P	1,1,2,2-Tetrachloroethane	0.413	0.361	12.6	128	-0.01
61	T	Bromobenzene	0.474	0.523	-10.3	152	0.00
62	T	1,2,3-Trichloropropane	0.280	0.269	3.9	153	0.00
63	T	n-Propylbenzene	1.563	1.592	-1.9	164	0.00
64	T	2-Chlorotoluene	1.109	1.104	0.5	161	0.00
65	T	1,3,5-Trimethylbenzene	1.354	1.355	-0.1	165	-0.01
66	T	4-Chlorotoluene	1.462	1.366	6.6	158	0.00
67	T	tert-Butylbenzene	0.967	0.984	-1.8	169	0.00
68	T	1,2,4-Trimethylbenzene	1.380	1.352	2.0	160	0.00
69	T	sec-Butylbenzene	1.203	1.276	-6.1	171	0.00
70	T	1,3-Dichlorobenzene	0.883	0.848	4.0	158	0.00
71	T	4-Isopropyltoluene	1.126	1.165	-3.5	168	0.00
72	T	1,4-Dichlorobenzene	0.923	0.873	5.4	155	0.00
73	T	n-Butylbenzene	0.524	0.547	-4.4	169	0.00
74	T	1,2-Dichlorobenzene	0.848	0.833	1.8	148	0.00
75	T	1,2-Dibromo-3-chloropropane	0.051	0.045	11.8	160	0.00
76	T	1,2,4-Trichlorobenzene	0.438	0.418	4.6	152	0.00
77	T	Hexachlorobutadiene	0.130	0.124	4.6	155	0.00
78	T	Naphthalene	1.055	1.072	-1.6	168	0.00
79	T	1,2,3-Trichlorobenzene	0.369	0.300	18.7	124	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.471	0.383	18.7	133	-0.03
81	T	Methyl acetate	0.393	0.444	-13.0	189	0.00
82	T	Cyclohexane	0.354	0.311	12.1	142	0.00
83	T	Methylcyclohexane	0.224	0.203	9.4	148	0.00

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

LAM0318.M Wed Apr 14 09:58:26 2010 RPT1

Response Factor Report MSD_J

Method Path : C:\MSDCHEM\1\METHODS\
Method File : J0322.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Mar 24 11:27:19 2010
Response Via : Initial Calibration

Calibration Files
1 =J7564.D 2 =J7567.D 5 =J7562.D
20 =J7563.D 100 =J7566.D 200 =J7565.D 150 =J7568.D

		Compound	1	2	5	20	100	200	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------	ISTD	----------						
2)	T	Dichlorodifluorom	0.648	0.787	0.669	0.719	0.621	0.564	0.549	0.651	12.91
3)	P	Chloromethane	0.587	0.649	0.606	0.675	0.424	0.605	0.601	0.592	13.59
4)	C	Vinyl chloride	0.442	0.530	0.509	0.622	0.449	0.529	0.531	0.516	11.66
5)	T	Bromomethane	0.280	0.281	0.315	0.278	0.233	0.222	0.216	0.261	14.23
6)	T	Chloroethane	0.218	0.320	0.259	0.300	0.223	0.268	0.296	0.269	14.39
7)	T	Trichlorofluorome	0.612	0.770	0.856	0.834	0.572	0.708	0.697	0.721	14.78
8)	T	Acrolein	0.074	0.069	0.067	0.062	0.053	0.063	0.057	0.064	11.34
9)	MC	1,1-Dichloroethen	0.347	0.367	0.389	0.384	0.355	0.392	0.391	0.375	5.00
10)	T	Acetone	0.154	0.168	0.156	0.188	0.152	0.151	0.150	0.160	8.58
11)	T	Carbon disulfide	1.391	1.471	1.543	1.552	1.281	1.441	1.454	1.448	6.41
12)	T	Vinyl acetate	1.642	1.295	1.351	1.482	1.447	1.383	1.343	1.421	8.20
13)	T	Methylene chlorid		0.498	0.551	0.552	0.424	0.474	0.475	0.496	10.03
14)	T	Acrylonitrile	0.233	0.259	0.218	0.200	0.240	0.194	0.177	0.217	13.29
15)	T	tert-Butyl alcoho	0.044	0.055	0.054	0.046	0.040	0.047	0.040	0.047	12.82
16)	T	trans-1,2-Dichlor	0.450	0.523	0.573	0.566	0.466	0.459	0.462	0.500	10.65
17)	T	Methyl tert-butyl	1.778	1.678	1.749	1.738	1.656	1.542	1.473	1.659	6.83
18)	P	1,1-Dichloroethan	0.979	1.111	1.057	1.004	0.909	0.875	0.883	0.974	9.25
19)	T	Diisopropyl ether	1.425	1.270	1.440	1.665	1.617	1.562	1.590	1.510	9.14
20)	T	cis-1,2-Dichloroe	0.540	0.429	0.457	0.471	0.486	0.495	0.481	0.480	7.15
21)	T	2,2-Dichloropropa	0.369	0.384	0.385	0.400	0.363	0.352	0.335	0.370	5.93
22)	T	2-Butanone (MEK)	0.201	0.203	0.213	0.232	0.238	0.236	0.212	0.219	7.21
23)	T	Bromochloromethan	0.307	0.253	0.252	0.252	0.229	0.219	0.222	0.248	12.21
25)	C	Chloroform	1.037	1.050	1.010	0.972	0.882	0.871	0.885	0.958	8.11
26)	T	1,1,1-Trichloroet	0.705	0.714	0.658	0.666	0.614	0.603	0.612	0.653	6.96
27)	T	Carbon tetrachlor	0.751	0.545	0.552	0.574	0.535	0.522	0.528	0.573	14.05
28)	T	1,1-Dichloroprope	0.743	0.610	0.589	0.672	0.646	0.640	0.635	0.648	7.63
29)	T	1,2-Dichloroethan	0.865	1.046	0.929	0.889	0.833	0.827	0.826	0.888	8.95
30)	S	1,2-Dichloroethan	0.740	0.721	0.679	0.621	0.586	0.583	0.575	0.644	10.74
31)	I	1,4-Difluorobenzene	----------	ISTD	----------						
32)	M	Benzene	1.534	1.287	1.261	1.308	1.239	1.181	1.228	1.291	8.89
33)	M	Trichloroethene	0.349	0.296	0.289	0.299	0.302	0.297	0.302	0.305	6.48
34)	C	1,2-Dichloropropa	0.351	0.294	0.312	0.333	0.323	0.311	0.321	0.321	5.61
35)	T	Dibromomethane	0.261	0.215	0.212	0.220	0.221	0.212	0.213	0.222	7.84
36)	T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	10.65
37)	T	Bromodichlorometh	0.442	0.364	0.377	0.421	0.438	0.450	0.455	0.421	8.62
38)	T	2-Chloroethyl vin	0.042	0.049	0.046	0.048	0.062	0.049	0.043	0.049	13.37
39)	T	cis-1,3-Dichlorop	0.427	0.408	0.411	0.418	0.515	0.526	0.519	0.460	12.17
40)	T	4-Methyl-2-pentan	0.270	0.258	0.271	0.233	0.309	0.300	0.280	0.275	9.24
41)	S	Toluene-d8	0.966	0.996	1.002	1.045	1.083	1.074	1.083	1.036	4.60
42)	MC	Toluene	0.929	0.785	0.766	0.807	0.802	0.779	0.799	0.809	6.75
43)	T	trans-1,3-Dichlor	0.399	0.331	0.430	0.422	0.485	0.477	0.477	0.432	12.80
44)	T	1,1,2-Trichloroet	0.326	0.250	0.236	0.244	0.253	0.248	0.247	0.258	11.84
45)	T	Tetrachloroethene	0.342	0.269	0.249	0.272	0.276	0.284	0.283	0.282	10.21
46)	T	1,3-Dichloropropa	0.522	0.450	0.470	0.531	0.577	0.571	0.570	0.527	9.65
47)	T	2-Hexanone	0.272	0.265	0.281	0.187	0.288	0.276	0.241	0.258	13.54
48)	T	Dibromochlorometh	0.255	0.312	0.322	0.246	0.314	0.340	0.326	0.302	12.08
49)	T	1,2-Dibromoethane	0.298	0.235	0.252	0.281	0.318	0.324	0.316	0.289	12.04
50)	I	Chlorobenzene-d5	----------	ISTD	----------						
51)	MP	Chlorobenzene	1.016	1.007	0.918	0.908	0.832	0.799	0.825	0.901	9.69
52)	T	1,1,1,2-Tetrachlo	0.338	0.288	0.274	0.296	0.299	0.300	0.306	0.300	6.55

53)	C	Ethylbenzene	1.303	1.100	1.216	1.494	1.498	1.503	1.521	1.376	12.34
54)	T	m,p-Xylene	0.439	0.384	0.495	0.566	0.533	0.507	0.527	0.493	12.57
55)	T	o-Xylene	0.517	0.437	0.588	0.465	0.551	0.527	0.544	0.518	10.00
56)	T	Styrene	0.983	0.825	0.799	1.063	1.032	0.977	1.016	0.956	10.79
57)	P	Bromoform	0.146	0.197	0.184	0.146	0.182	0.208	0.189	0.179	13.50
58)	T	Isopropylbenzene	1.030	1.222	1.577	1.289	1.404	1.422	1.432	1.339	13.21
59)	S	Bromofluorobenzen	0.570	0.579	0.614	0.634	0.616	0.616	0.605	0.605	3.71
60)	P	1,1,2,2-Tetrachlo	0.603	0.511	0.499	0.512	0.469	0.431	0.411	0.491	12.85
61)	T	Bromobenzene	0.454	0.380	0.376	0.407	0.386	0.362	0.372	0.391	7.99
62)	T	1,2,3-Trichloropr	0.411	0.356	0.339	0.366	0.355	0.342	0.320	0.355	8.03
63)	T	n-Propylbenzene	1.376	1.349	1.358	1.750	1.756	1.728	1.726	1.577	12.87
64)	T	2-Chlorotoluene	1.089	0.905	1.089	1.265	1.232	1.190	1.201	1.139	10.80
65)	T	1,3,5-Trimethylbe	1.629	1.560	1.195	1.221	1.292	1.235	1.252	1.341	13.20
66)	T	4-Chlorotoluene	1.299	1.539	1.470	1.585	1.472	1.404	1.418	1.455	6.44
67)	T	tert-Butylbenzene	0.929	0.694	0.900	0.813	0.870	0.825	0.832	0.838	9.07
68)	T	1,2,4-Trimethylbe	0.806	0.860	1.128	1.126	1.147	0.903	1.077	1.007	14.39
69)	T	sec-Butylbenzene	1.519	1.548	1.012	1.384	1.393	1.339	1.345	1.363	12.86
70)	T	1,3-Dichlorobenze	0.731	0.655	0.689	0.759	0.717	0.677	0.691	0.703	5.02
71)	T	4-Isopropyltoluen	1.278	1.192	0.819	0.970	1.116	1.066	1.078	1.074	13.85
72)	T	1,4-Dichlorobenze	0.750	0.667	0.762	0.814	0.765	0.721	0.736	0.745	6.06
73)	T	n-Butylbenzene	0.433	0.391	0.589	0.550	0.571	0.538	0.544	0.517	14.40
74)	T	1,2-Dichlorobenze	0.689	0.660	0.735	0.809	0.712	0.656	0.678	0.706	7.62
75)	T	1,2-Dibromo-3-chl	0.062	0.086	0.062	0.073	0.084	0.086	0.087	0.077	14.82
76)	T	1,2,4-Trichlorobe	0.273	0.280	0.252	0.301	0.365	0.352	0.344	0.310	14.26
77)	T	Hexachlorobutadie	0.173	0.169	0.231	0.198	0.182	0.162	0.160	0.182	13.84
78)	T	Naphthalene	0.871	0.805	0.845	1.063	1.162	1.041	0.994	0.969	13.60
79)	T	1,2,3-Trichlorobe	0.338	0.320	0.314	0.354	0.369	0.349	0.336	0.340	5.67
80)	T	1,1,2-Trichloro-1	0.148	0.170	0.218	0.184	0.177	0.179	0.172	0.178	11.84
81)	T	Methyl acetate	0.156	0.179	0.212	0.194	0.164	0.161	0.159	0.175	12.08
82)	T	Cyclohexane	0.386	0.401	0.356	0.330	0.378	0.308	0.309	0.352	10.67
83)	T	Methylcyclohexane	0.213	0.169	0.159	0.202	0.200	0.185	0.187	0.188	10.16

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

J0322.M Wed Mar 24 11:36:48 2010 RT1

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8199.D
Acq On : 9 Apr 2010 11:53
Operator : DANA
Sample : 100PPB,STD-100PPB,A,5ml,100
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 09 12:52:46 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	69	0.00
2	T	Dichlorodifluoromethane	0.651	0.710	-9.1	79	0.01
3	P	Chloromethane	0.592	0.627	-5.9	102	0.02
4	C	Vinyl chloride	0.516	0.611	-18.4	94	0.01
5	T	Bromomethane	0.261	0.282	-8.0	84	-0.01
6	T	Chloroethane	0.269	0.297	-10.4	92	0.00
7	T	Trichlorofluoromethane	0.721	0.809	-12.2	98	0.00
8	T	Acrolein	0.064	0.048	25.0	63	0.01
9	MC	1,1-Dichloroethene	0.375	0.430	-14.7	84	-0.01
10	T	Acetone	0.160	0.161	-0.6	73	0.01
11	T	Carbon disulfide	1.448	1.716	-18.5	93	0.00
12	T	Vinyl acetate	1.421	1.619	-13.9	77	0.01
13	T	Methylene chloride	0.496	0.578	-16.5	94	0.00
14	T	Acrylonitrile	0.217	0.243	-12.0	70	0.00
15	T	tert-Butyl alcohol (TBA)	0.047	0.050	-6.4	86	0.02
16	T	trans-1,2-Dichloroethene	0.500	0.473	5.4	70	0.00
17	T	Methyl tert-butyl ether (MT	1.659	1.637	1.3	68	0.00
18	P	1,1-Dichloroethane	0.974	0.956	1.8	73	0.00
19	T	Diisopropyl ether (DIPE)	1.510	1.732	-14.7	74	0.00
20	T	cis-1,2-Dichloroethene	0.480	0.476	0.8	68	0.00
21	T	2,2-Dichloropropane	0.370	0.416	-12.4	79	0.01
22	T	2-Butanone (MEK)	0.219	0.224	-2.3	65	0.01
23	T	Bromochloromethane	0.248	0.224	9.7	68	0.00
25	C	Chloroform	0.958	0.980	-2.3	77	0.01
26	T	1,1,1-Trichloroethane	0.653	0.735	-12.6	83	0.01
27	T	Carbon tetrachloride	0.573	0.650	-13.4	84	0.01
28	T	1,1-Dichloropropene	0.648	0.691	-6.6	74	0.00
29	T	1,2-Dichloroethane (EDC)	0.888	1.033	-16.3	86	0.00
30	S	1,2-Dichloroethane-d4	0.644	0.605	6.1	72	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	66	0.00
32	M	Benzene	1.291	1.313	-1.7	70	0.00
33	M	Trichloroethene	0.305	0.321	-5.2	71	0.00
34	C	1,2-Dichloropropane	0.321	0.342	-6.5	71	0.00
35	T	Dibromomethane	0.222	0.241	-8.6	72	0.00
36	T	1,4-Dioxane	0.003	0.003	0.0	84	0.00
37	T	Bromodichloromethane	0.421	0.432	-2.6	66	0.00
38	T	2-Chloroethyl vinyl ether	0.049	0.055	-12.2	59	0.00
39	T	cis-1,3-Dichloropropene	0.460	0.532	-15.7	69	0.00
40	T	4-Methyl-2-pentanone (MIBK)	0.275	0.319	-16.0	69	0.00
41	S	Toluene-d8	1.036	0.928	10.4	57	0.00
42	MC	Toluene	0.809	0.861	-6.4	71	0.00
43	T	trans-1,3-Dichloropropene	0.432	0.513	-18.8	70	0.00
44	T	1,1,2-Trichloroethane	0.258	0.256	0.8	67	-0.01
45	T	Tetrachloroethene	0.282	0.298	-5.7	72	0.00
46	T	1,3-Dichloropropane	0.527	0.604	-14.6	70	-0.01

47	T	2-Hexanone	0.258	0.281	-8.9	65	-0.01
48	T	Dibromochloromethane	0.302	0.343	-13.6	73	0.00
49	T	1,2-Dibromoethane (EDB)	0.289	0.318	-10.0	66	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
51	MP	Chlorobenzene	0.901	0.801	11.1	88	0.00
52	T	1,1,1,2-Tetrachloroethane	0.300	0.292	2.7	89	0.00
53	C	Ethylbenzene	1.376	1.168	15.1	71	0.00
54	T	m,p-Xylene	0.493	0.411	16.6	70	0.00
55	T	o-Xylene	0.518	0.510	1.5	84	0.00
56	T	Styrene	0.956	0.796	16.7	70	0.00
57	P	Bromoform	0.179	0.149	16.8	75	0.00
58	T	Isopropylbenzene	1.339	1.316	1.7	85	0.00
59	S	Bromofluorobenzene	0.605	0.570	5.8	84	0.00
60	P	1,1,2,2-Tetrachloroethane	0.491	0.563	-14.7	109	0.00
62	T	1,2,3-Trichloropropane	0.355	0.294	17.2	75	0.00
63	T	n-Propylbenzene	1.577	1.343	14.8	70	0.00
64	T	2-Chlorotoluene	1.139	0.976	14.3	72	0.00
65	T	1,3,5-Trimethylbenzene	1.341	1.123	16.3	79	0.00
66	T	4-Chlorotoluene	1.455	1.202	17.4	74	0.00
67	T	tert-Butylbenzene	0.838	0.738	11.9	77	0.00
68	T	1,2,4-Trimethylbenzene	1.007	1.053	-4.6	84	0.00
69	T	sec-Butylbenzene	1.363	1.331	2.3	87	0.00
70	T	1,3-Dichlorobenzene	0.703	0.642	8.7	82	0.00
71	T	4-Isopropyltoluene	1.074	0.889	17.2	72	0.00
72	T	1,4-Dichlorobenzene	0.745	0.636	14.6	76	0.00
73	T	n-Butylbenzene	0.517	0.451	12.8	72	0.00
74	T	1,2-Dichlorobenzene	0.706	0.601	14.9	77	0.00
75	T	1,2-Dibromo-3-chloropropane	0.077	0.074	3.9	80	0.00
76	T	1,2,4-Trichlorobenzene	0.310	0.309	0.3	77	0.00
77	T	Hexachlorobutadiene	0.182	0.149	18.1	74	0.00
78	T	Naphthalene	0.969	0.841	13.2	66	0.00
79	T	1,2,3-Trichlorobenzene	0.340	0.270	20.6	67	-0.01
80	T	1,1,2-Trichloro-1,2,2-trifl	0.178	0.168	5.6	87	0.00
81	T	Methyl acetate	0.175	0.184	-5.1	102	0.01
82	T	Cyclohexane	0.352	0.369	-4.8	89	0.01
83	T	Methylcyclohexane	0.188	0.175	6.9	80	0.00
84	T	Acetaldehyde	0.000	0.000	0.0	87	0.06

(#) = Out of Range

J0322.M Mon Apr 12 08:36:37 2010 RT1

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 04/13/2010

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
TCLP-BLK	AQUEOUS	L4821.D	95	99	99
03181-006	AQUEOUS	L4822.D	97	99	99
03299-001	AQUEOUS	L4823.D	96	99	99
BLK-SPK	AQUEOUS	L4824.D	92	101	99
TCLP--SPK	AQUEOUS	L4825.D	93	101	99
03311-018MS	AQUEOUS	L4826.D	98	101	95
03311-018MSD	AQUEOUS	L4827.D	98	101	95
03311-018	AQUEOUS	L4828.D	97	99	98
03233-001	AQUEOUS	L4829.D	96	99	98
03186-008	AQUEOUS	L4830.D	95	100	99
03186-009	AQUEOUS	L4831.D	97	100	99
03186-010	AQUEOUS	L4832.D	96	100	98
03186-011	AQUEOUS	L4833.D	95	100	98
03274-002	AQUEOUS	L4834.D	95	99	98
03274-001	AQUEOUS	L4835.D	94	101	101

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	45-154	51-164
SMC2 = Toluene-d8	50 ppb	47-151	52-157
SMC3 = Bromofluorobenzene	50 ppb	48-149	56-154

Column to be used to flag recovery values

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 04/09/2010

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	J8201.D	144	74	66
03077-001	AQUEOUS	J8202.D	146	75	86
BLK-SPK	AQUEOUS	J8203.D	105	94	72
03186-005MS	AQUEOUS	J8204.D	130	72	71
03186-005MSD	AQUEOUS	J8205.D	137	74	71
03086-001	AQUEOUS	J8208.D	146	75	70
03187-004	AQUEOUS	J8209.D	149	77	70
03187-005	AQUEOUS	J8210.D	148	76	70
03181-006	AQUEOUS	J8211.D	141	76	71
03186-001	AQUEOUS	J8212.D	146	76	71
03186-002	AQUEOUS	J8213.D	145	75	71
03186-003	AQUEOUS	J8214.D	148	76	69
03186-004	AQUEOUS	J8215.D	142	76	71
03186-005	AQUEOUS	J8216.D	144	76	70
03186-006	AQUEOUS	J8217.D	140	78	70
03186-007	AQUEOUS	J8218.D	143	78	70

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	39-183	39-183
SMC2 = Toluene-d8	50 ppb	58-143	58-143
SMC3 = Bromofluorobenzene	50 ppb	50-152	50-152

Column to be used to flag recovery values

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 03311-018

Batch No.: LAM041310A

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	66.6	133	46 - 150
Benzene	50.0	0.0	54.5	109	63 - 146
Trichloroethene	50.0	0.0	57.8	116	60 - 152
Toluene	50.0	0.0	51.8	104	63 - 151
Chlorobenzene	50.0	0.0	53.9	108	75 - 149

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	57.8	116	14	17	46 - 150
Benzene	0.0	49.5	99	10	14	63 - 146
Trichloroethene	0.0	51.9	104	11	15	60 - 152
Toluene	0.0	46.7	93	11	15	63 - 151
Chlorobenzene	0.0	49.6	99	9	12	75 - 149

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 03186-005

Batch No.: J040910

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	62.4	125	34 - 149
Benzene	50.0	0.0	49.7	99	45 - 136
Trichloroethene	50.0	0.0	51.2	102	40 - 147
Toluene	50.0	0.0	53.0	106	43 - 137
Chlorobenzene	50.0	0.0	53.2	106	45 - 144

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD #	% REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	56.6		113	10	19	34 - 149
Benzene	0.0	54.0		108	9	15	45 - 136
Trichloroethene	0.0	56.2		112	9	18	40 - 147
Toluene	0.0	58.5		117	10	16	43 - 137
Chlorobenzene	0.0	58.7		117	10	16	45 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): L4215.D

Date Analyzed: 03/18/2010

Instrument ID: MSD_L

Time Analyzed: 15:09

	50UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	294042		6.18		424261		6.99		439651		10.32	
	UPPER LIMIT	588084		6.68		848522		7.49		879302		10.82	
	LOWER LIMIT	147021		5.68		212130.5		6.49		219825.5		9.82	
	LAB SAMPLE ID												
01	STD-1PPB	328019		6.18		505415		6.99		475839		10.32	
02	STD-5PPB	317421		6.18		490043		6.99		481041		10.32	
03	STD-2PPB	250239		6.18		391405		6.99		389808		10.32	
04	STD-20PPB	282573		6.18		435452		6.99		450261		10.32	
05	STD-150PPB	345686		6.18		471768		6.99		514420		10.32	
06	STD-200PPB	348200		6.18		459105		6.99		514270		10.32	
07	METHOD-BLK	261206		6.18		412925		6.99		415458		10.32	
08	02456-002	217552		6.18		346814		6.99		330474		10.32	
09	02456-001	224516		6.18		359226		6.99		350968		10.32	
10	BLK-SPK	247548		6.18		373751		6.99		387129		10.32	
11	02373-013MS	247491		6.18		391018		6.99		395505		10.32	
12	02373-013MSD	242661		6.18		386217		6.99		387515		10.32	
13	02373-013	196483		6.18		304900		6.99		289324		10.32	
14	02375-020	208128		6.18		304784		6.99		278737		10.32	
15													
16													
17													
18													
19													
20													
21													
22													

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): L4820.D

Date Analyzed: 04/13/2010

Instrument ID: MSD_L

Time Analyzed: 13:39

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	380418	6.18	625690	7.00	650410	10.32
	UPPER LIMIT	760836	6.68	1251380	7.50	1300820	10.82
	LOWER LIMIT	190209	5.68	312845	6.50	325205	9.82
	LAB SAMPLE ID						
01	TCLP-BLK	341422	6.18	559082	6.99	583207	10.32
02	03181-006	321170	6.18	529168	6.99	553029	10.32
03	03299-001	375974	6.18	617195	7.00	648473	10.32
04	BLK-SPK	346358	6.18	547878	7.00	603918	10.32
05	TCLP--SPK	354823	6.18	566730	7.00	625631	10.32
06	03311-018MS	324790	6.18	530644	6.99	589684	10.32
07	03311-018MSD	330169	6.18	543540	6.99	600112	10.32
08	03311-018	339762	6.18	557677	7.00	587840	10.32
09	03233-001	349539	6.18	574008	6.99	603014	10.32
10	03186-008	357574	6.18	586965	7.00	612469	10.32
11	03186-009	352343	6.18	584286	7.00	614628	10.32
12	03186-010	345928	6.18	572486	7.00	597293	10.32
13	03186-011	345505	6.18	572428	7.00	597324	10.32
14	03274-002	305236	6.18	504469	7.00	526087	10.32
15	03274-001	310681	6.18	507504	7.00	533193	10.32
16							
17							
18							
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): J7566.D

Date Analyzed: 03/22/2010

Instrument ID: MSD_J

Time Analyzed: 11:22

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	487993	5.95	732017	6.76	809770	10.10
	UPPER LIMIT	975986	6.45	1464034	7.26	1619540	10.60
	LOWER LIMIT	243996.5	5.45	366008.5	6.26	404885	9.60
	LAB SAMPLE ID						
01	STD-5PPB	410857	5.95	675442	6.76	687001	10.10
02	STD-20PPB	432122	5.95	682505	6.76	709655	10.10
03	STD-1PPB	359127	5.95	617008	6.76	625335	10.10
04	STD-200PPB	475175	5.95	730848	6.76	849213	10.10
05	STD-2PPB	388414	5.95	654920	6.76	676119	10.10
06	STD-150PPB	481829	5.95	732889	6.76	843471	10.10
07	METHOD-BLK	365335	5.95	649438	6.76	662655	10.10
08	TCLP-BLK	314720	5.95	569296	6.77	598565	10.10
09	02482-001	316750	5.95	565328	6.77	588841	10.10
10	TCLP-SPK	413936	5.95	641196	6.77	689448	10.10
11	02562-001	346613	5.95	611611	6.76	632004	10.10
12	02562-002	318127	5.95	579550	6.77	604440	10.10
13	02562-003	290791	5.95	540786	6.77	569360	10.10
14	MS	306480	5.95	576366	6.77	594043	10.10
15	MSD	314599	5.95	594984	6.76	616325	10.10
16	BLK-SPK	396722	5.95	606791	6.76	663038	10.10
17	02358-001	335649	5.95	567485	6.77	592842	10.10
18	02358-003	302032	5.95	554313	6.77	594978	10.10
19	02562-003	273865	5.95	517128	6.77	551862	10.10
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): J8199.D

Date Analyzed: 04/09/2010

Instrument ID: MSD_J

Time Analyzed: 11:53

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	337930	5.95	486433	6.76	644599	10.10
	UPPER LIMIT	675860	6.45	972866	7.26	1289198	10.60
	LOWER LIMIT	168965	5.45	243216.5	6.26	322299.5	9.60
	LAB SAMPLE ID						
01	METHOD-BLK	183038	5.95	340748	6.77	357331	10.10
02	03077-001	232412	5.95	450261	6.77	495832	10.10
03	BLK-SPK	382964	5.95	568074	6.77	845855	10.10
04	03186-005MS	295998	5.95	552133	6.77	558988	10.10
05	03186-005MSD	263562	5.95	509640	6.77	527181	10.10
06	03086-001	229861	5.95	441262	6.77	475580	10.10
07	03187-004	225227	5.95	435576	6.77	481497	10.10
08	03187-005	228193	5.95	440656	6.77	484596	10.10
09	03181-006	238988	5.95	450646	6.77	497143	10.10
10	03186-001	233412	5.95	443337	6.77	482862	10.10
11	03186-002	233724	5.95	451537	6.77	479989	10.10
12	03186-003	214543	5.95	412495	6.77	451398	10.10
13	03186-004	242889	5.95	451685	6.77	486119	10.10
14	03186-005	237039	5.95	450783	6.77	497964	10.10
15	03186-006	236921	5.95	444762	6.77	494048	10.10
16	03186-007	237825	5.95	443111	6.77	492915	10.10
17							
18							
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8212.D
Acq On : 9 Apr 2010 18:18
Operator : DANA
Sample : FB_(040610),03186-001,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/06/10,04/07/10,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 12 08:53:19 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.95	168	233412	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.77	114	443337	50.00	UG	0.00
50) Chlorobenzene-d5	10.10	117	482862	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.27	65	218679	72.79	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 145.58%#			
41) Toluene-d8	8.43	98	349234	38.03	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 76.06%			
59) Bromofluorobenzene	11.51	95	206178	35.29	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 70.58%			

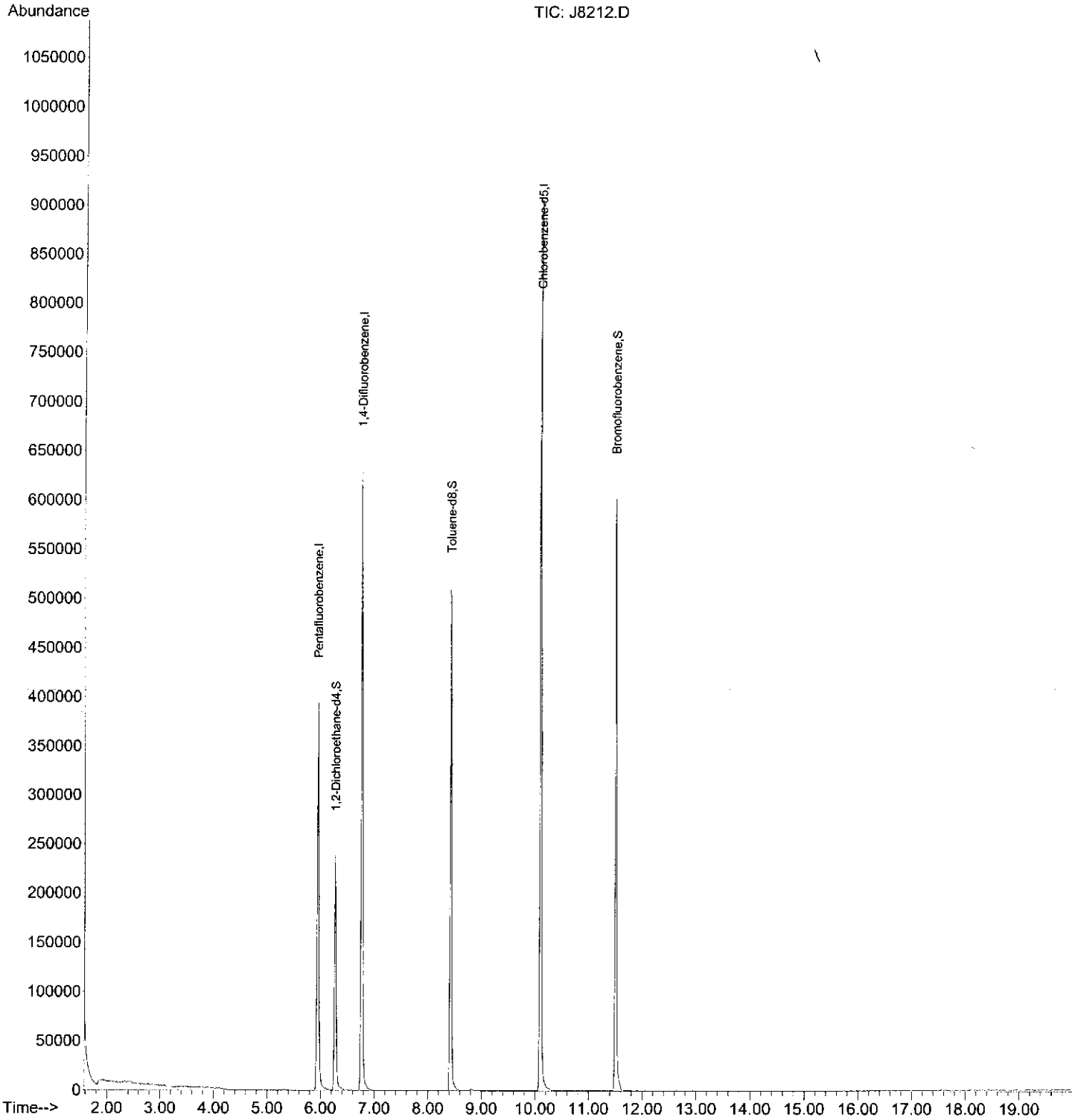
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8212.D
Acq On : 9 Apr 2010 18:18
Operator : DANA
Sample : FB_(040610),03186-001,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/06/10,04/07/10,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 12 08:53:19 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8213.D
Acq On : 9 Apr 2010 18:47
Operator : DANA
Sample : TB_(040610),03186-002,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/06/10,04/07/10,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 12 08:54:01 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.95	168	233724	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.77	114	451537	50.00	UG	0.01
50) Chlorobenzene-d5	10.10	117	479989	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.27	65	218036	72.48	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 144.96%#			
41) Toluene-d8	8.42	98	352771	37.72	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 75.44%			
59) Bromofluorobenzene	11.51	95	205037	35.30	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 70.60%			

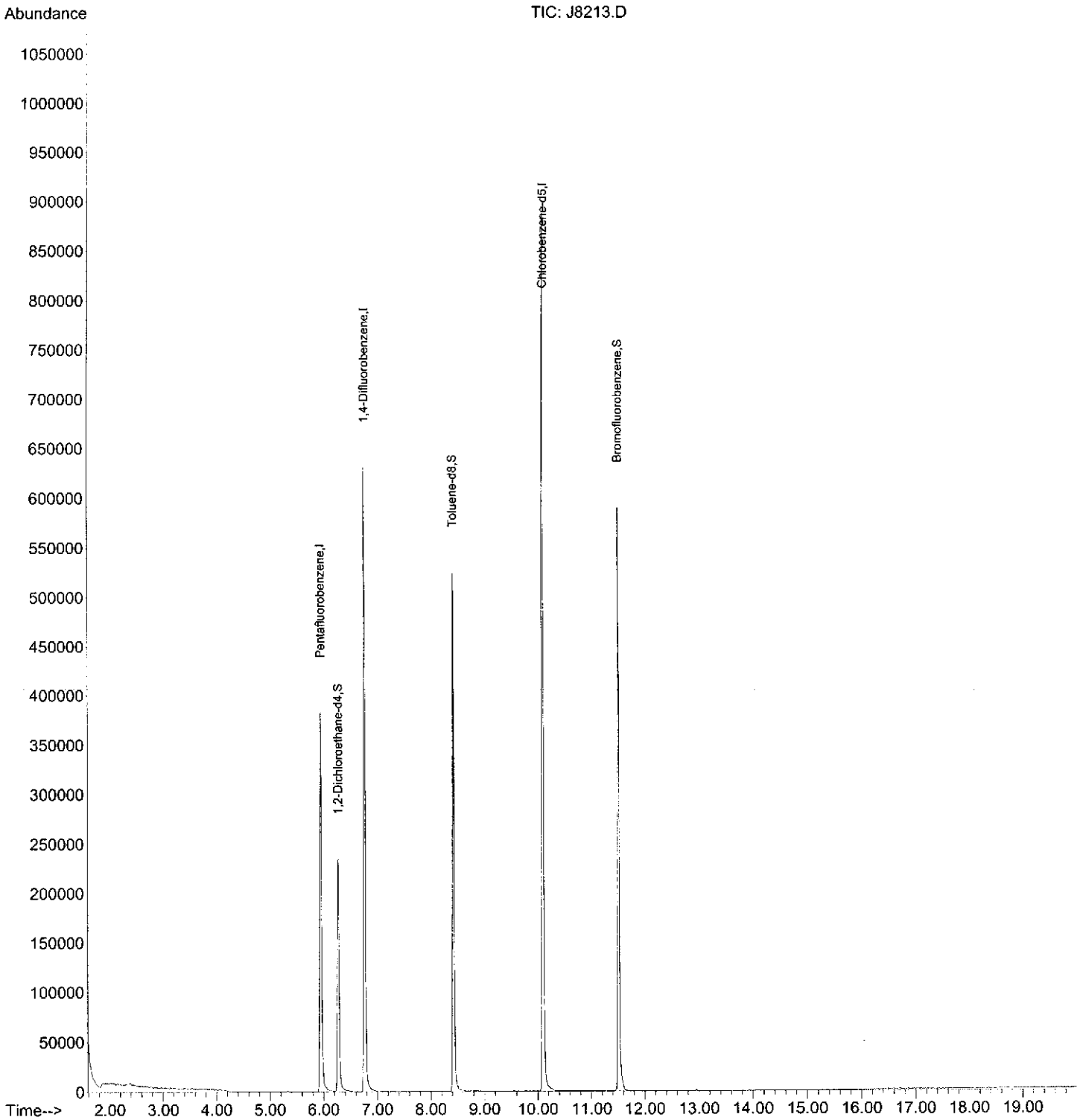
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8213.D
Acq On : 9 Apr 2010 18:47
Operator : DANA
Sample : TB_(040610),03186-002,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/06/10,04/07/10,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 12 08:54:01 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8214.D
Acq On : 9 Apr 2010 19:15
Operator : DANA
Sample : PTW-2,03186-003,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/07/10,04/07/10,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 12 09:04:52 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration

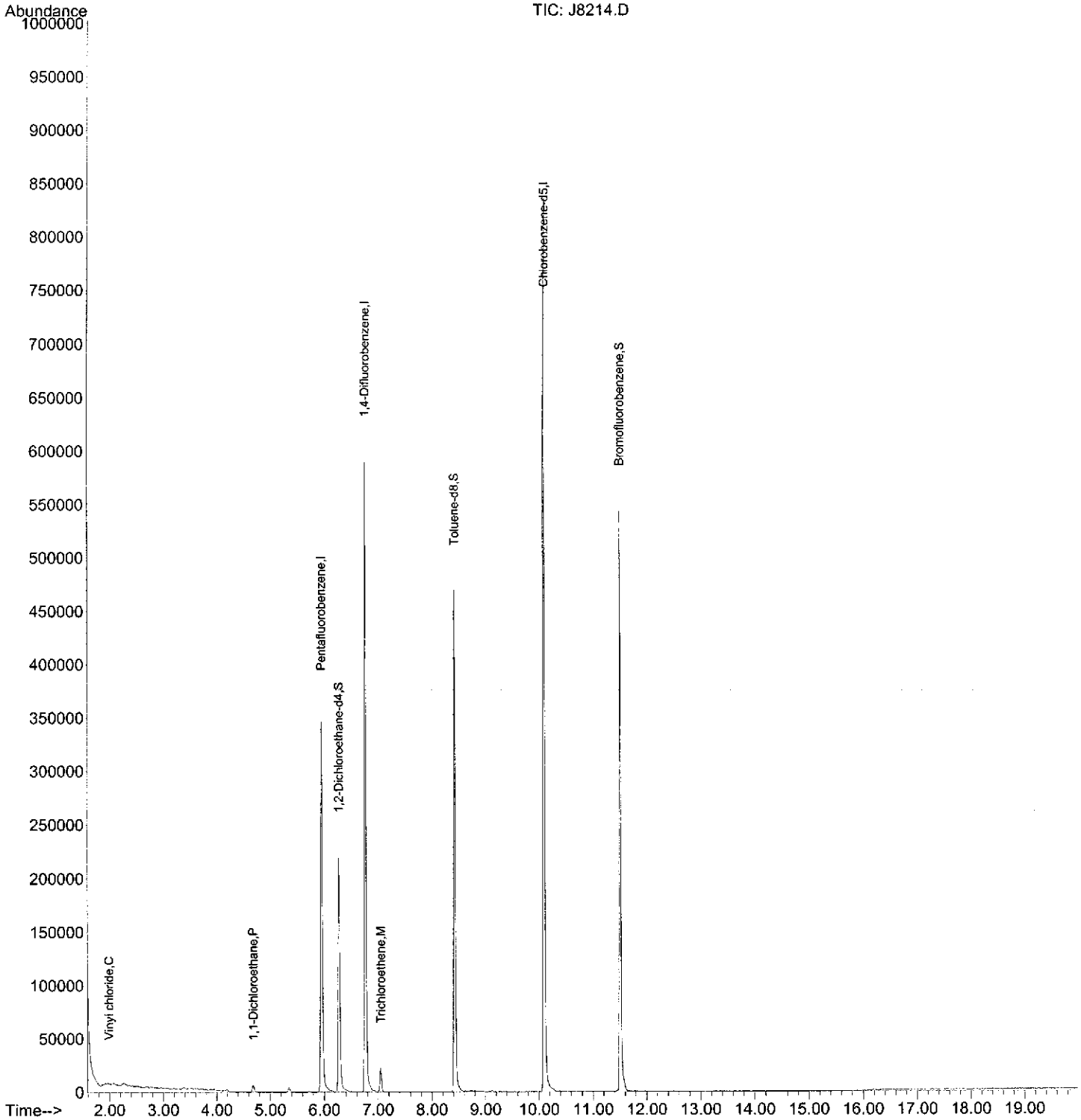
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.95	168	214543	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.77	114	412495	50.00	UG		0.00
50) Chlorobenzene-d5	10.10	117	451398	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.27	65	204535	74.07	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 148.14%#				
41) Toluene-d8	8.43	98	323549	37.87	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 75.74%				
59) Bromofluorobenzene	11.51	95	189765	34.74	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 69.48%				
Target Compounds							Qvalue
4) Vinyl chloride	1.99	62	3063m	1.38	UG		
18) 1,1-Dichloroethane	4.68	63	7472	1.79	UG		99
33) Trichloroethene	7.05	95	8744	3.48	UG	#	81

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8214.D
Acq On : 9 Apr 2010 19:15
Operator : DANA
Sample : PTW-2,03186-003,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/07/10,04/07/10,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 12 09:04:52 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8215.D
Acq On : 9 Apr 2010 19:44
Operator : DANA
Sample : MW-9S,03186-004,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/06/10,04/07/10,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 12 08:56:38 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration

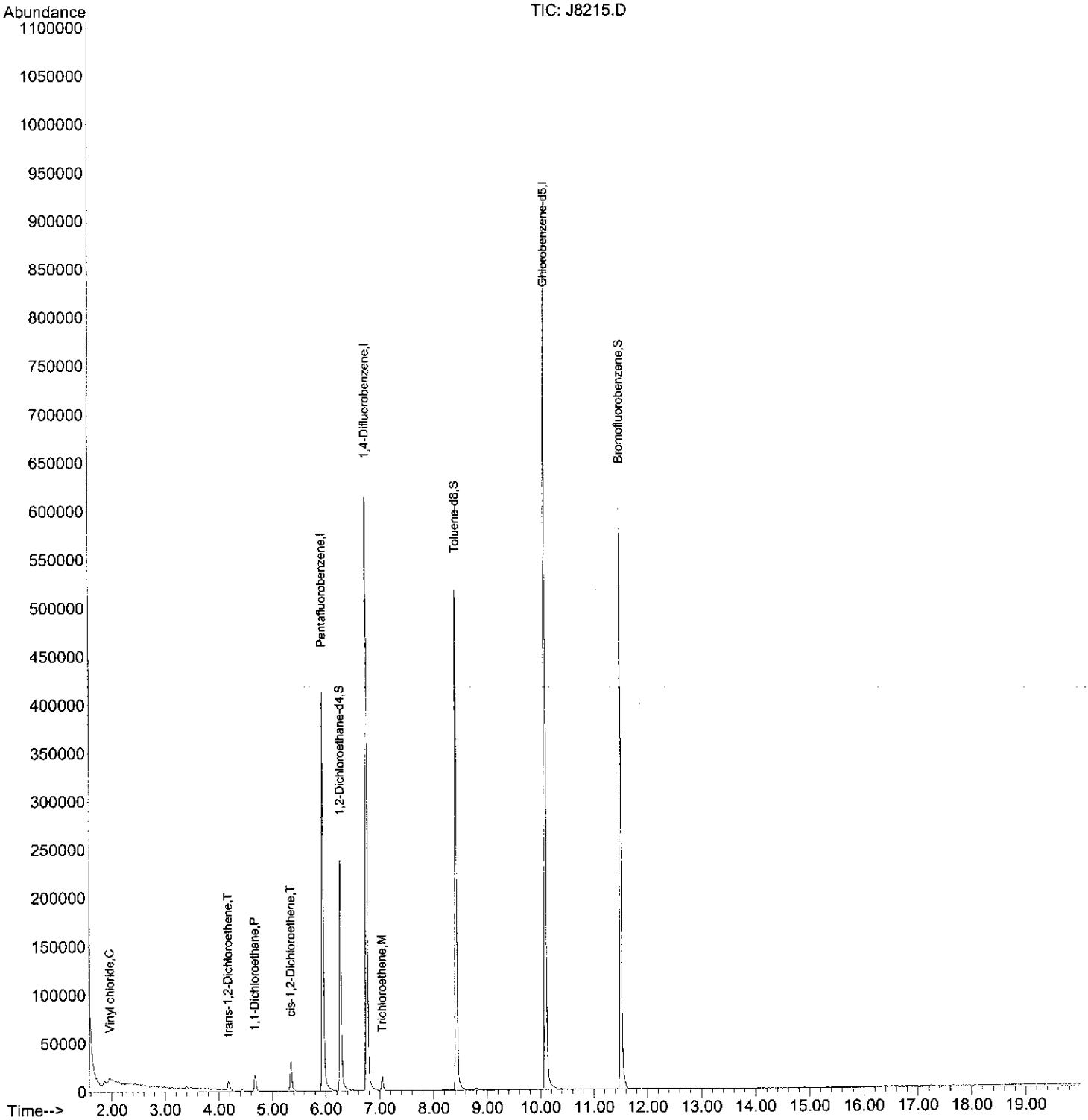
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.95	168	242889	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.77	114	451685	50.00	UG		0.01
50) Chlorobenzene-d5	10.10	117	486119	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.27	65	221817	70.95	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 141.90%#				
41) Toluene-d8	8.43	98	354849	37.93	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 75.86%				
59) Bromofluorobenzene	11.51	95	208291	35.41	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 70.82%				
Target Compounds							Qvalue
4) Vinyl chloride	1.97	62	18320m	7.31	UG		
16) trans-1,2-Dichloroethene	4.18	96	4863	2.00	UG	#	100
18) 1,1-Dichloroethane	4.67	63	19702	4.16	UG		98
20) cis-1,2-Dichloroethene	5.35	96	15354	6.59	UG	#	100
33) Trichloroethene	7.04	95	5228	1.90	UG		87

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8215.D
Acq On : 9 Apr 2010 19:44
Operator : DANA
Sample : MW-9S,03186-004,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/06/10,04/07/10,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 12 08:56:38 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8216.D
Acq On : 9 Apr 2010 20:13
Operator : DANA
Sample : MW-9D,03186-005,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/06/10,04/07/10,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 12 08:57:23 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.95	168	237039	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.77	114	450783	50.00	UG	0.00
50) Chlorobenzene-d5	10.10	117	497964	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.27	65	219271	71.87	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 143.74%#			
41) Toluene-d8	8.43	98	355989	38.13	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 76.26%			
59) Bromofluorobenzene	11.51	95	211574	35.11	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 70.22%			

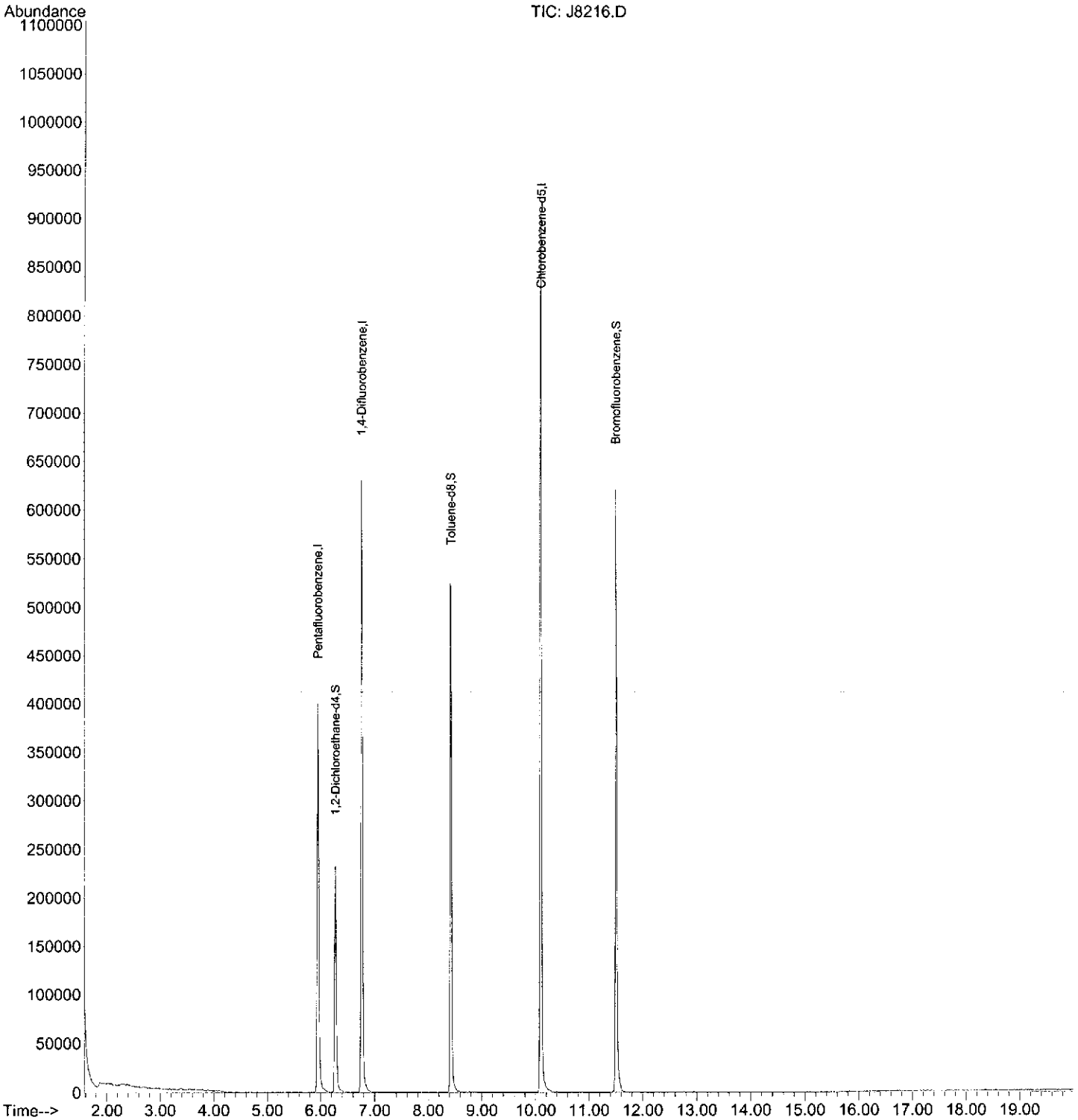
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8216.D
Acq On : 9 Apr 2010 20:13
Operator : DANA
Sample : MW-9D,03186-005,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/06/10,04/07/10,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 12 08:57:23 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8217.D
Acq On : 9 Apr 2010 20:42
Operator : DANA
Sample : MW-6S,03186-006,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/06/10,04/07/10,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 12 08:58:25 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration

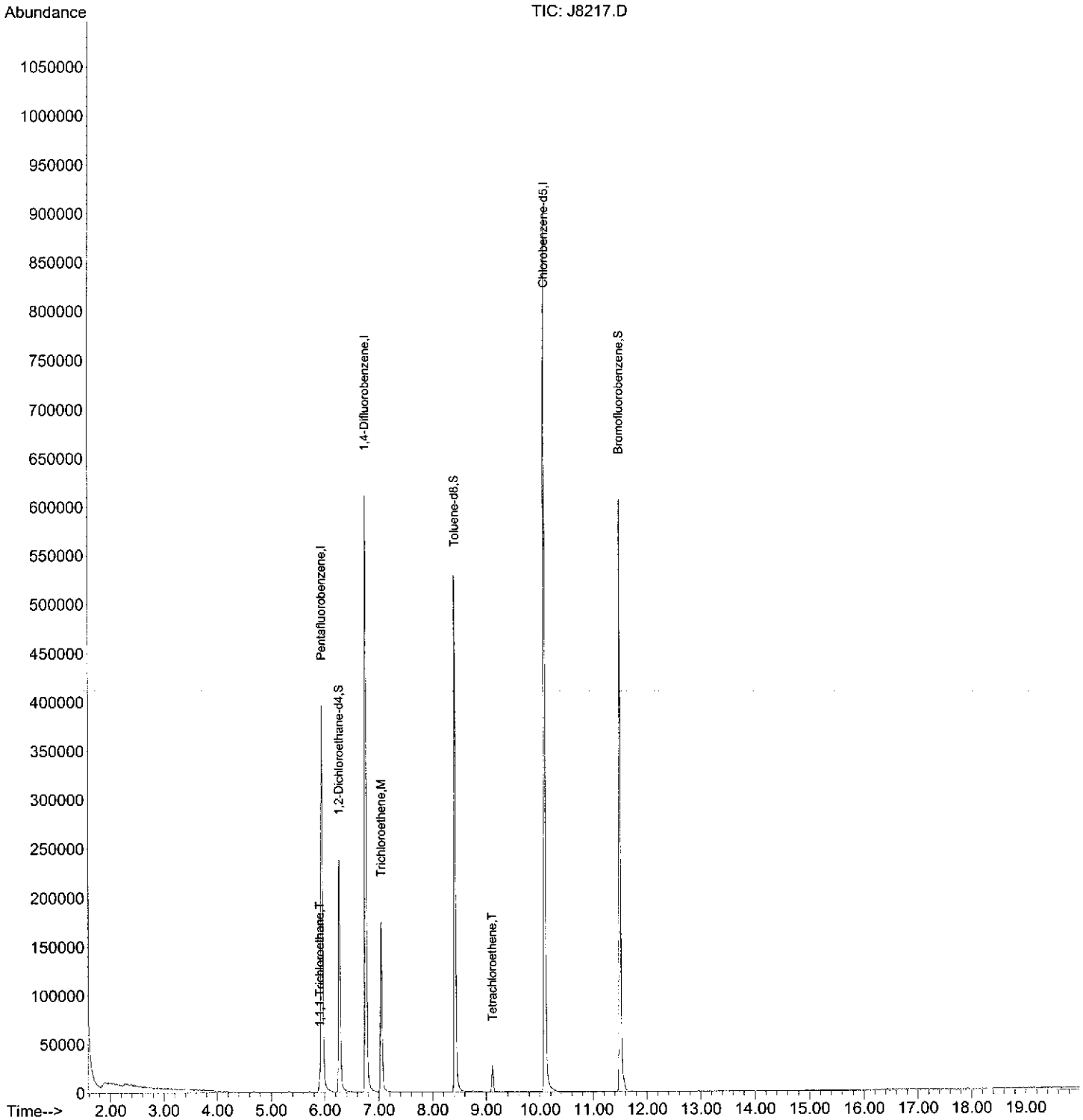
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.95	168	236921	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.77	114	444762	50.00	UG	0.00
50) Chlorobenzene-d5	10.10	117	494048	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.27	65	212932	69.83	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 139.66%#			
41) Toluene-d8	8.43	98	359820	39.06	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 78.12%			
59) Bromofluorobenzene	11.51	95	208206	34.83	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 69.66%			
Target Compounds						Qvalue
26) 1,1,1-Trichloroethane	5.91	97	13094	4.23	UG	# 100
33) Trichloroethene	7.05	95	67996	25.08	UG	# 83
45) Tetrachloroethene	9.12	166	8223	3.28	UG	# 99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8217.D
Acq On : 9 Apr 2010 20:42
Operator : DANA
Sample : MW-6S,03186-006,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/06/10,04/07/10,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 12 08:58:25 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8218.D
Acq On : 9 Apr 2010 21:10
Operator : DANA
Sample : DUP_(040610),03186-007,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/06/10,04/07/10,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 12 09:05:33 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration

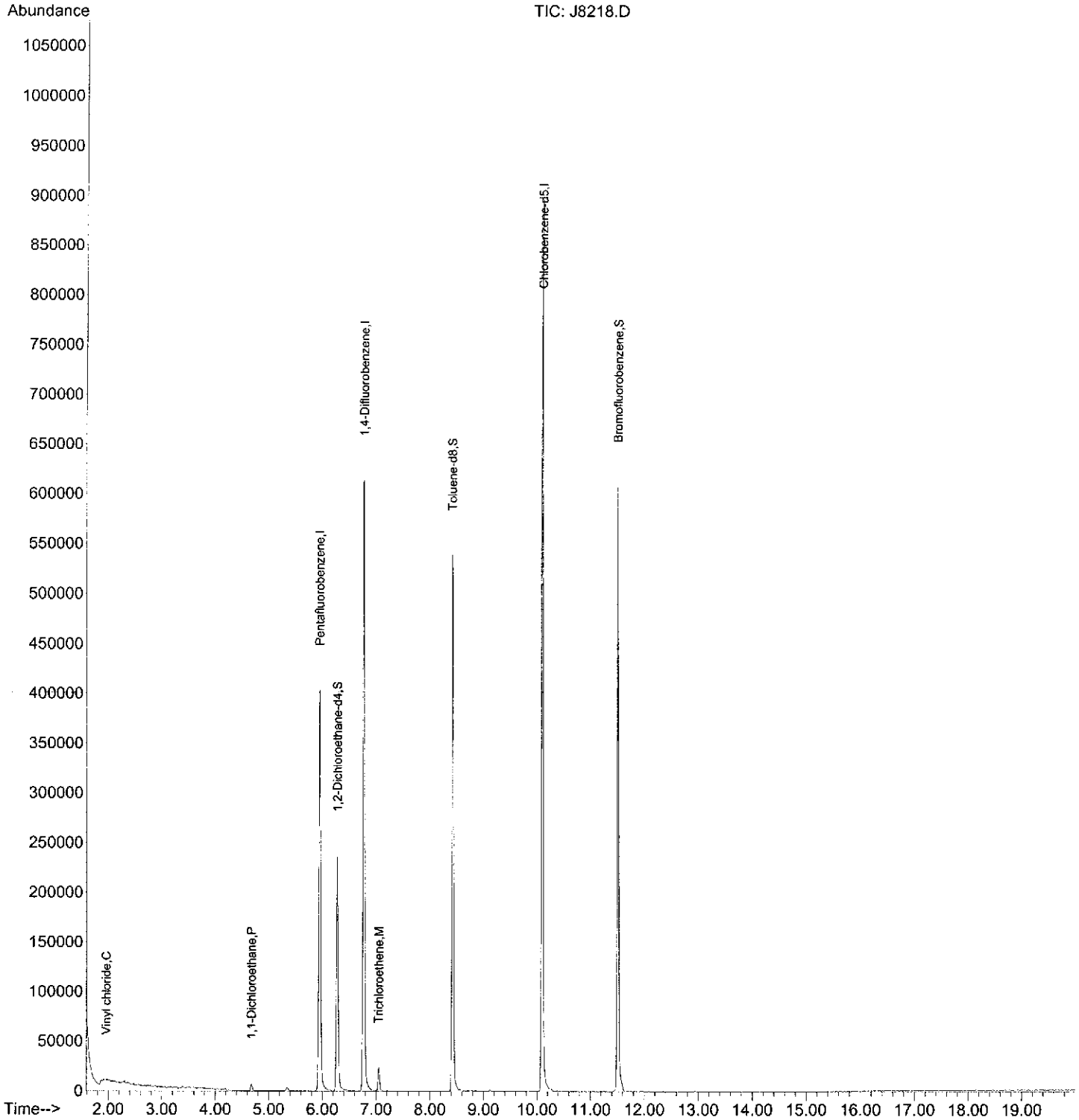
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.95	168	237825	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.77	114	443111	50.00	UG	0.00
50) Chlorobenzene-d5	10.10	117	492915	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.27	65	218149	71.27	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 142.54%#			
41) Toluene-d8	8.42	98	356410	38.83	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 77.66%			
59) Bromofluorobenzene	11.51	95	208575	34.97	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 69.94%			
Target Compounds						Qvalue
4) Vinyl chloride	1.96	62	3689m	1.50	UG	
18) 1,1-Dichloroethane	4.67	63	7672	1.66	UG	# 97
33) Trichloroethene	7.04	95	9036	3.35	UG	# 28

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-09-10\
Data File : J8218.D
Acq On : 9 Apr 2010 21:10
Operator : DANA
Sample : DUP_(040610),03186-007,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,04/06/10,04/07/10,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 12 09:05:33 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4830.D
Acq On : 13 Apr 2010 18:36
Operator : MEI
Sample : FB_(040710),03186-008,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,04/07/10,04/07/10,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 14 10:17:44 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Mar 25 10:58:10 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	357574	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	586965	50.00	UG	0.01
50) Chlorobenzene-d5	10.32	117	612469	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	154617	47.62	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 95.24%			
41) Toluene-d8	8.66	98	568089	49.99	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.98%			
59) Bromofluorobenzene	11.72	95	244542	49.35	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 98.70%			

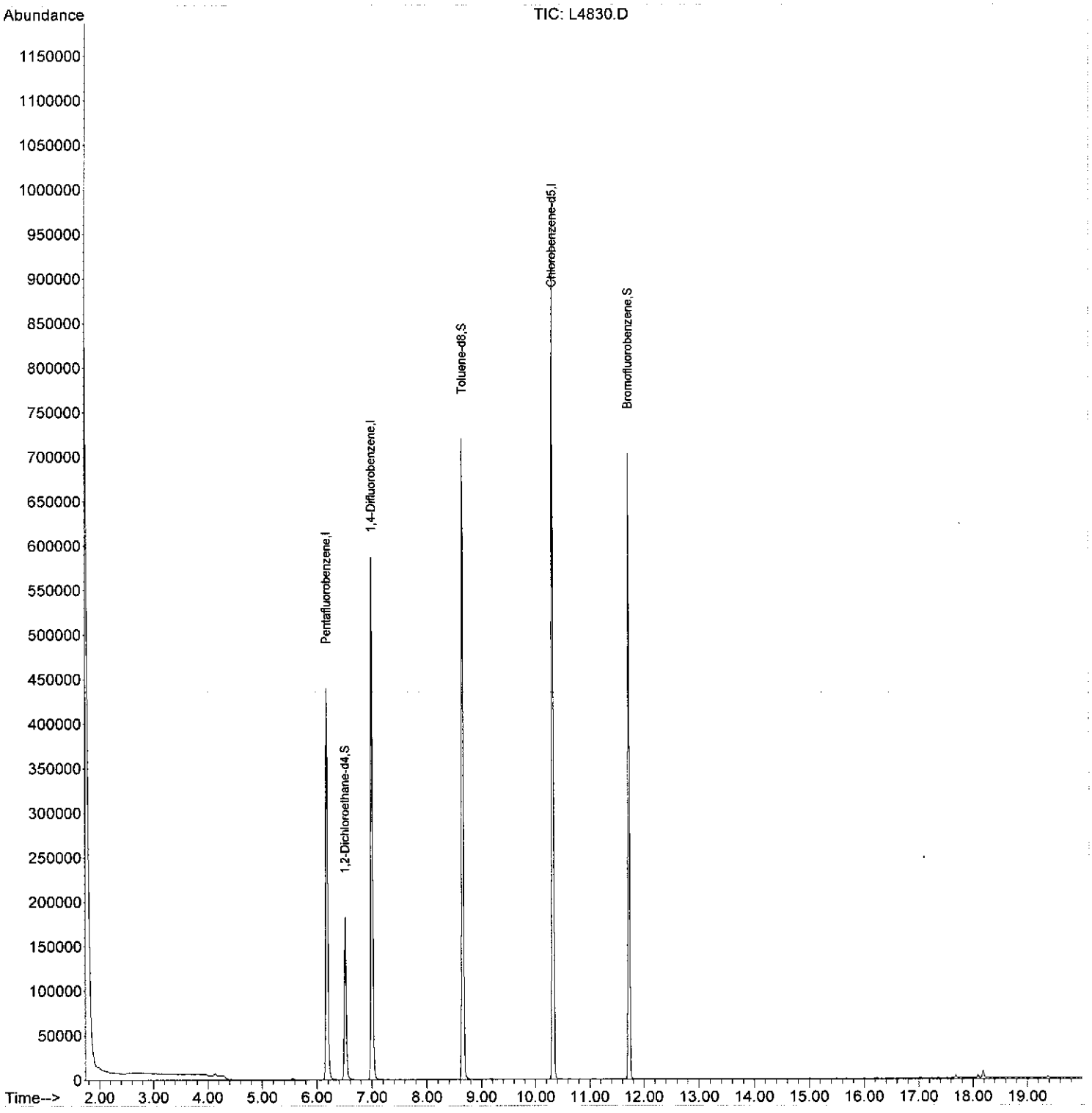
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4830.D
Acq On : 13 Apr 2010 18:36
Operator : MEI
Sample : FB_(040710),03186-008,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,04/07/10,04/07/10,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 14 10:17:44 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Mar 25 10:58:10 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4831.D
Acq On : 13 Apr 2010 19:02
Operator : MEI
Sample : GP-104R,03186-009,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,04/07/10,04/07/10,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 14 13:27:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Mar 25 10:58:10 2010
Response via : Initial Calibration

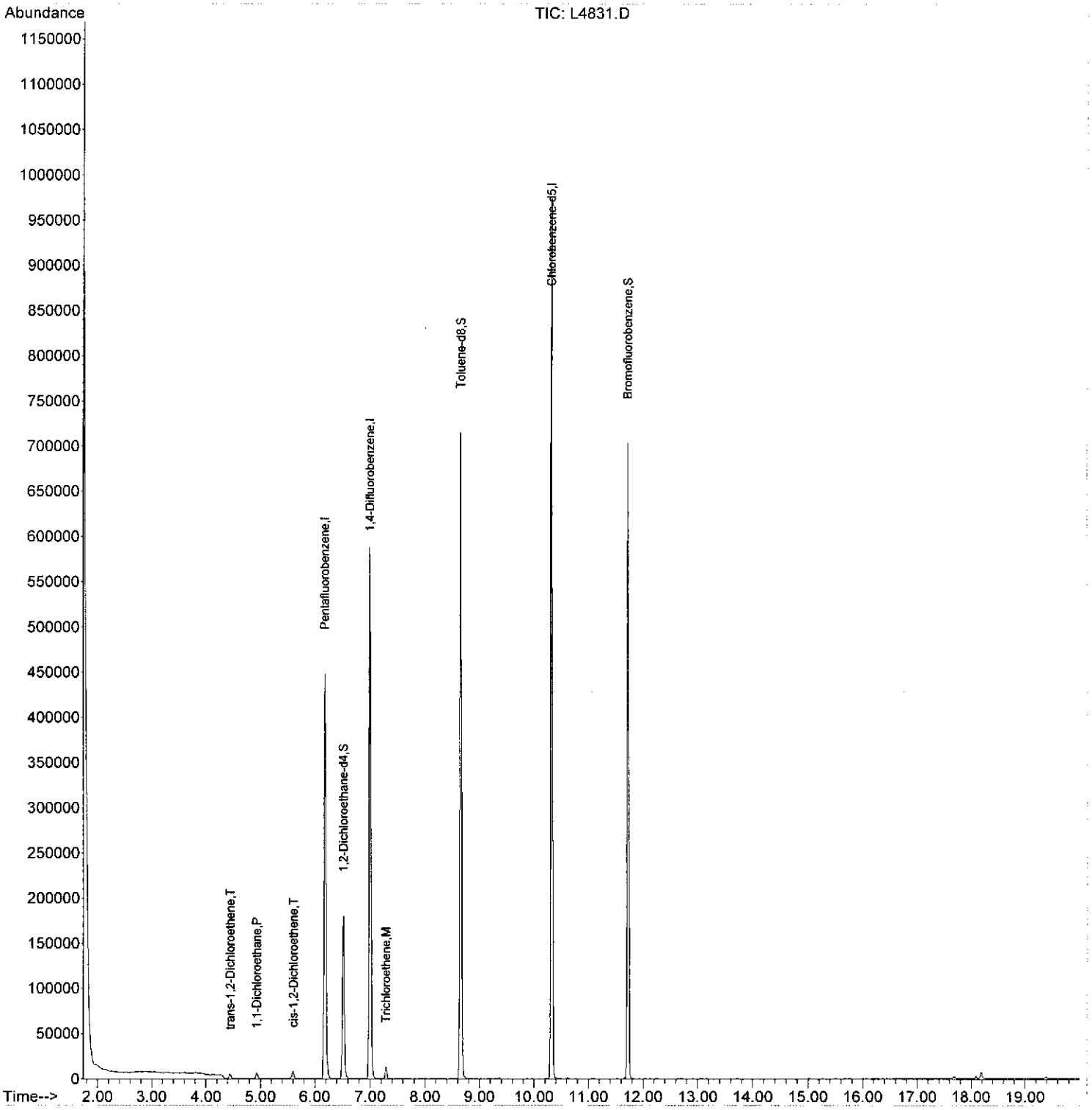
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.18	168	352343	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.00	114	584286	50.00	UG		0.01
50) Chlorobenzene-d5	10.32	117	614628	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.52	65	155166	48.50	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 97.00%				
41) Toluene-d8	8.66	98	566902	50.11	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.22%				
59) Bromofluorobenzene	11.72	95	246426	49.56	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 99.12%				
Target Compounds							Qvalue
16) trans-1,2-Dichloroethene	4.45	96	2789	0.69	UG	#	96
18) 1,1-Dichloroethane	4.93	63	8508	1.30	UG		99
20) cis-1,2-Dichloroethene	5.60	96	4596	1.06	UG	#	68
33) Trichloroethene	7.29	95	4679	1.05	UG		91

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4831.D
Acq On : 13 Apr 2010 19:02
Operator : MEI
Sample : GP-104R,03186-009,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,04/07/10,04/07/10,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 14 13:27:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Mar 25 10:58:10 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4832.D
Acq On : 13 Apr 2010 19:29
Operator : MEI
Sample : GP-103R,03186-010,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,04/07/10,04/07/10,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 14 13:26:37 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Mar 25 10:58:10 2010
Response via : Initial Calibration

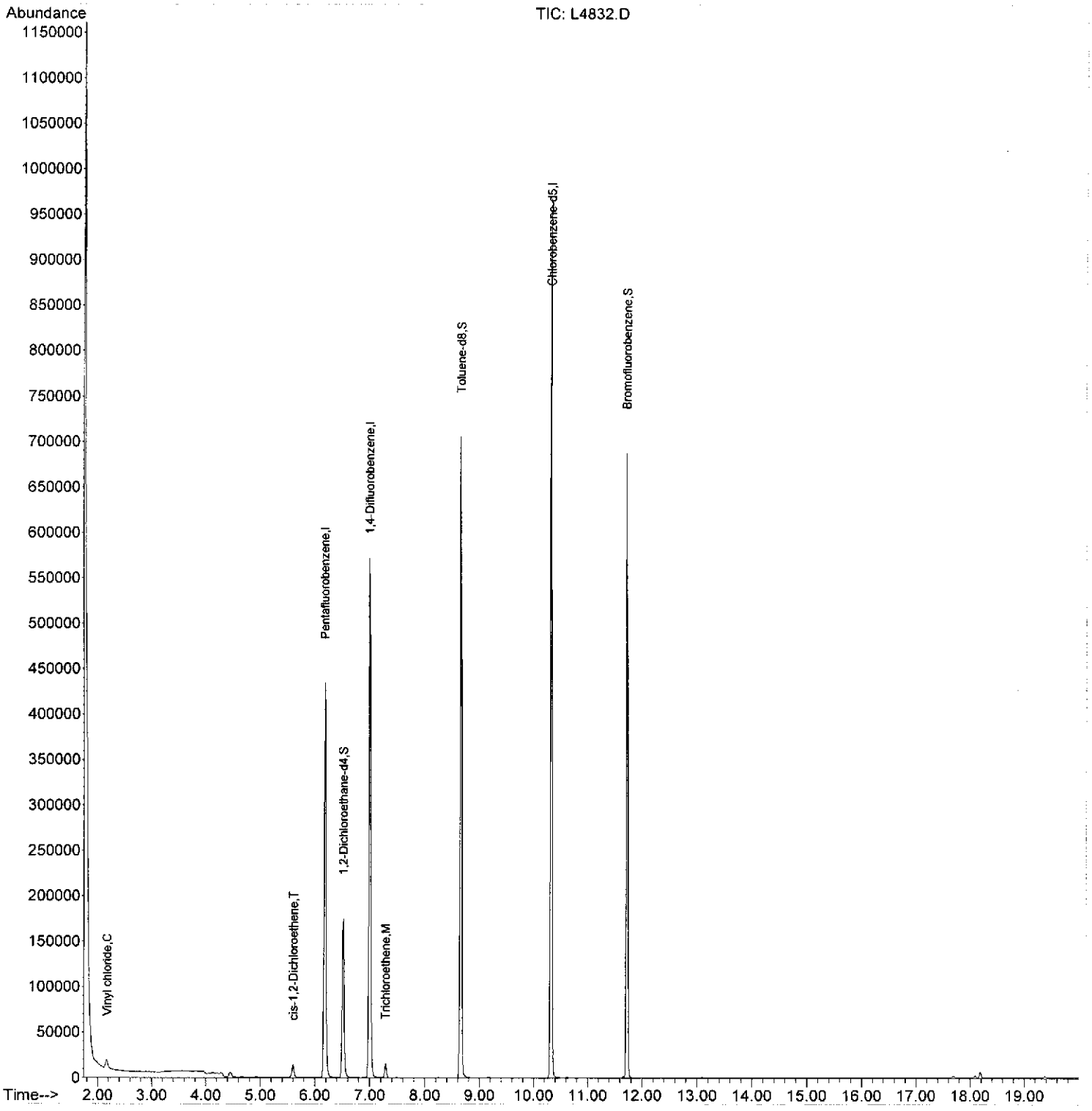
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.18	168	345928	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.00	114	572486	50.00	UG		0.01
50) Chlorobenzene-d5	10.32	117	597293	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.52	65	150515	47.91	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 95.82%				
41) Toluene-d8	8.66	98	553426	49.93	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.86%				
59) Bromofluorobenzene	11.72	95	237146	49.08	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 98.16%				
Target Compounds							Qvalue
4) Vinyl chloride	2.17	62	19870	3.02	UG		99
20) cis-1,2-Dichloroethene	5.60	96	8162	1.91	UG	#	99
33) Trichloroethene	7.29	95	5665	1.29	UG		92

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4832.D
Acq On : 13 Apr 2010 19:29
Operator : MEI
Sample : GP-103R,03186-010,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,04/07/10,04/07/10,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 14 13:26:37 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Mar 25 10:58:10 2010
Response via : Initial Calibration



0061

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4833.D
Acq On : 13 Apr 2010 19:55
Operator : MEI
Sample : MW-13R,03186-011,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,04/07/10,04/07/10,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 14 13:26:11 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Mar 25 10:58:10 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	345505	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	572428	50.00	UG	0.01
50) Chlorobenzene-d5	10.32	117	597324	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	149374	47.61	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 95.22%			
41) Toluene-d8	8.66	98	553497	49.94	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.88%			
59) Bromofluorobenzene	11.72	95	236537	48.95	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 97.90%			
Target Compounds						Qvalue
~~18) 1,1-Dichloroethane~~	~~4.93~~	~~63~~	~~2491~~	~~0.39~~	~~UG~~	~~# 98~~

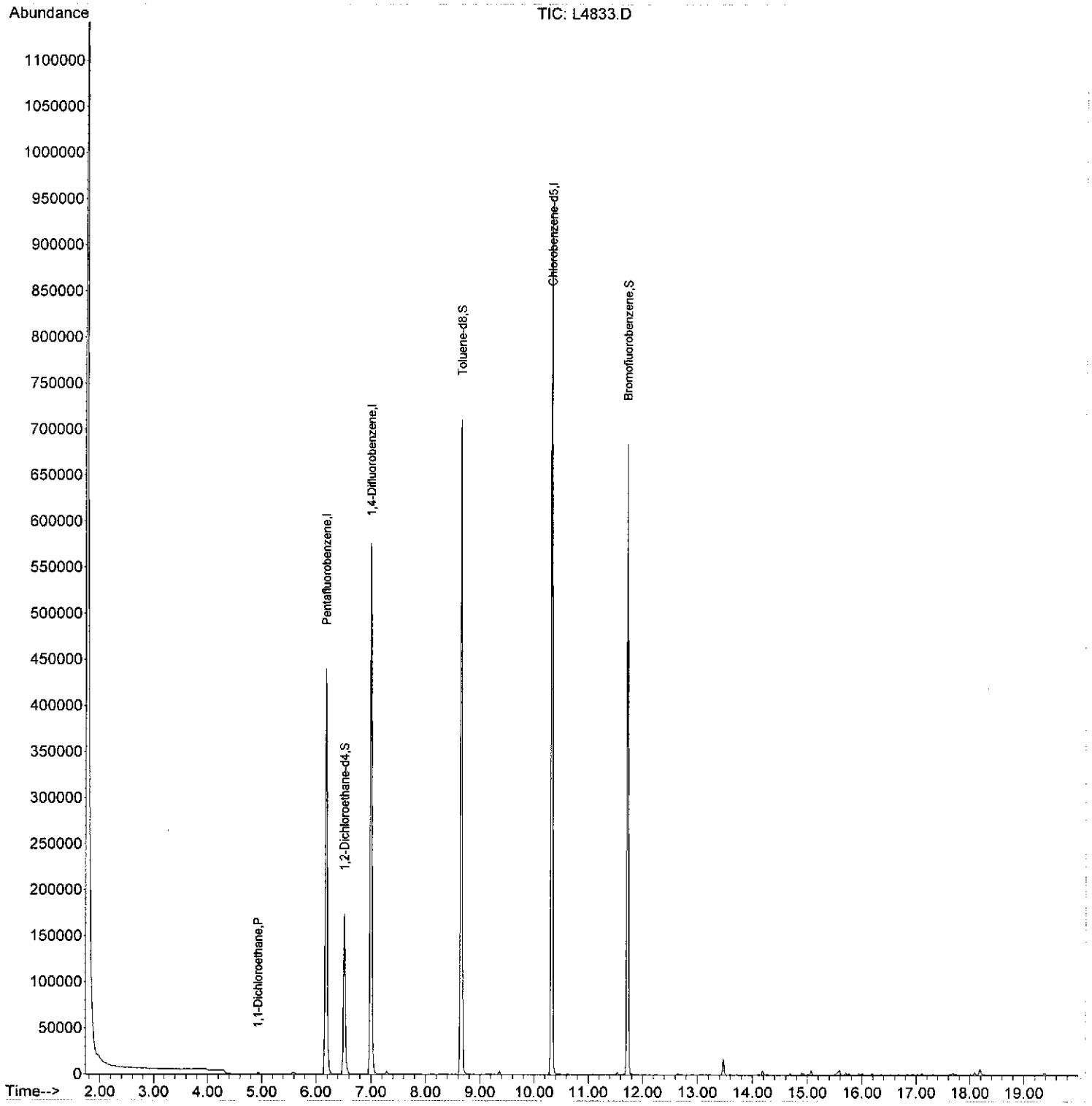
4/22/10 - AJ

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4833.D
Acq On : 13 Apr 2010 19:55
Operator : MEI
Sample : MW-13R,03186-011,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,04/07/10,04/07/10,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 14 13:26:11 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Mar 25 10:58:10 2010
Response via : Initial Calibration



0063

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-09-10\
Data File : J8201.D
Acq On : 9 Apr 2010 13:00
Operator : DANA
Sample : NA,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 12 09:16:50 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.95	168	183038	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.77	114	340748	50.00	UG	0.00
50) Chlorobenzene-d5	10.10	117	357331	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.27	65	170034	72.17	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 144.34%#			
41) Toluene-d8	8.42	98	259524	36.77	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 73.54%			
59) Bromofluorobenzene	11.51	95	143255	33.13	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 66.26%			

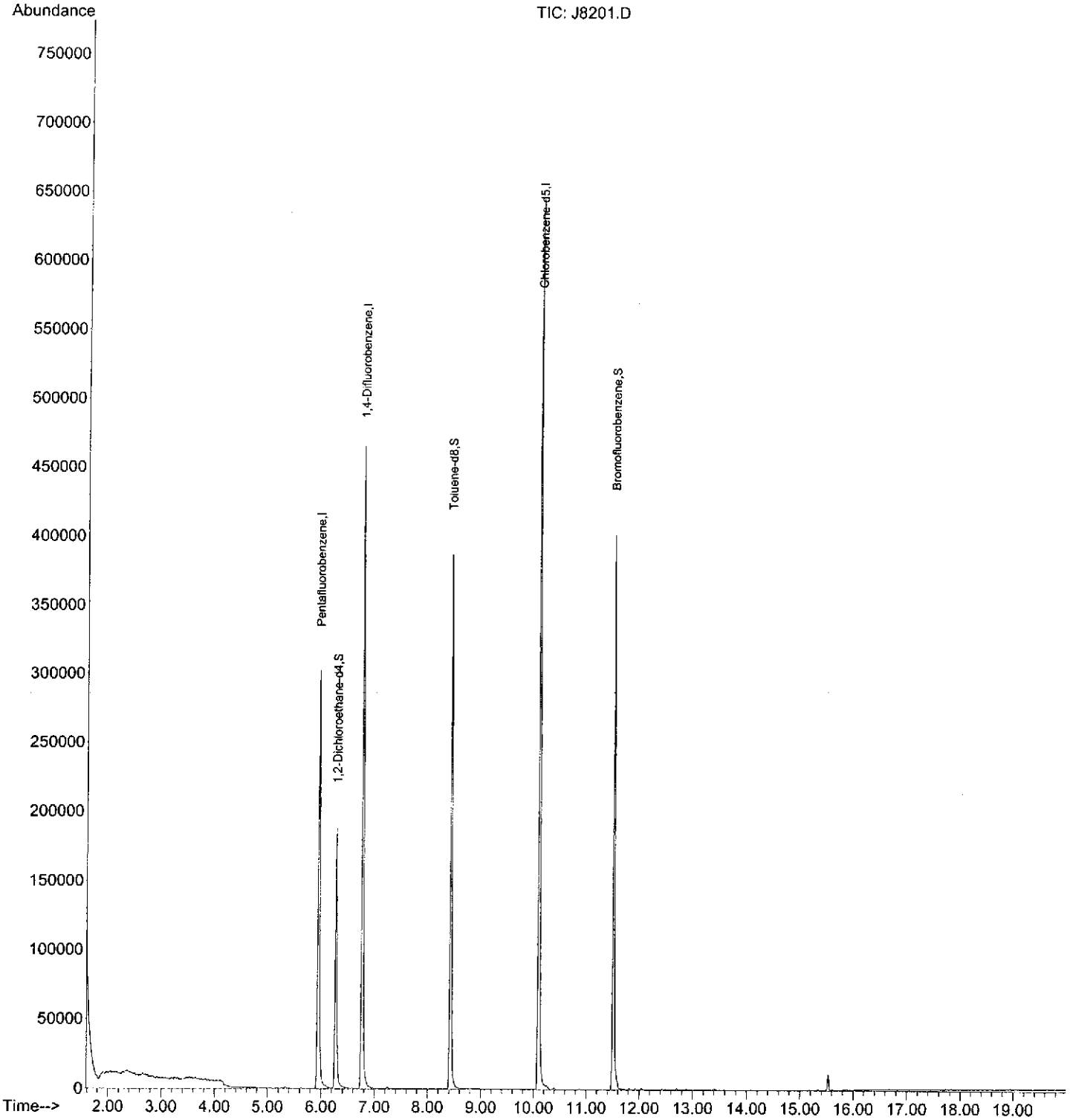
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-09-10\
Data File : J8201.D
Acq On : 9 Apr 2010 13:00
Operator : DANA
Sample : NA,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 12 09:16:50 2010
Quant Method : C:\MSDCHEM\1\METHODS\J0322.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Wed Mar 24 16:16:43 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4820.D
Acq On : 13 Apr 2010 13:39
Operator : MEI
Sample : N/A,METHOD-BLK,W,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 14 10:00:03 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Fri Mar 19 11:54:20 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	380418	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	625690	50.00	UG	0.01
50) Chlorobenzene-d5	10.32	117	650410	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	163855	47.43	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 94.86%			
41) Toluene-d8	8.66	98	600464	49.57	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.14%			
59) Bromofluorobenzene	11.72	95	262476	49.88	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 99.76%			

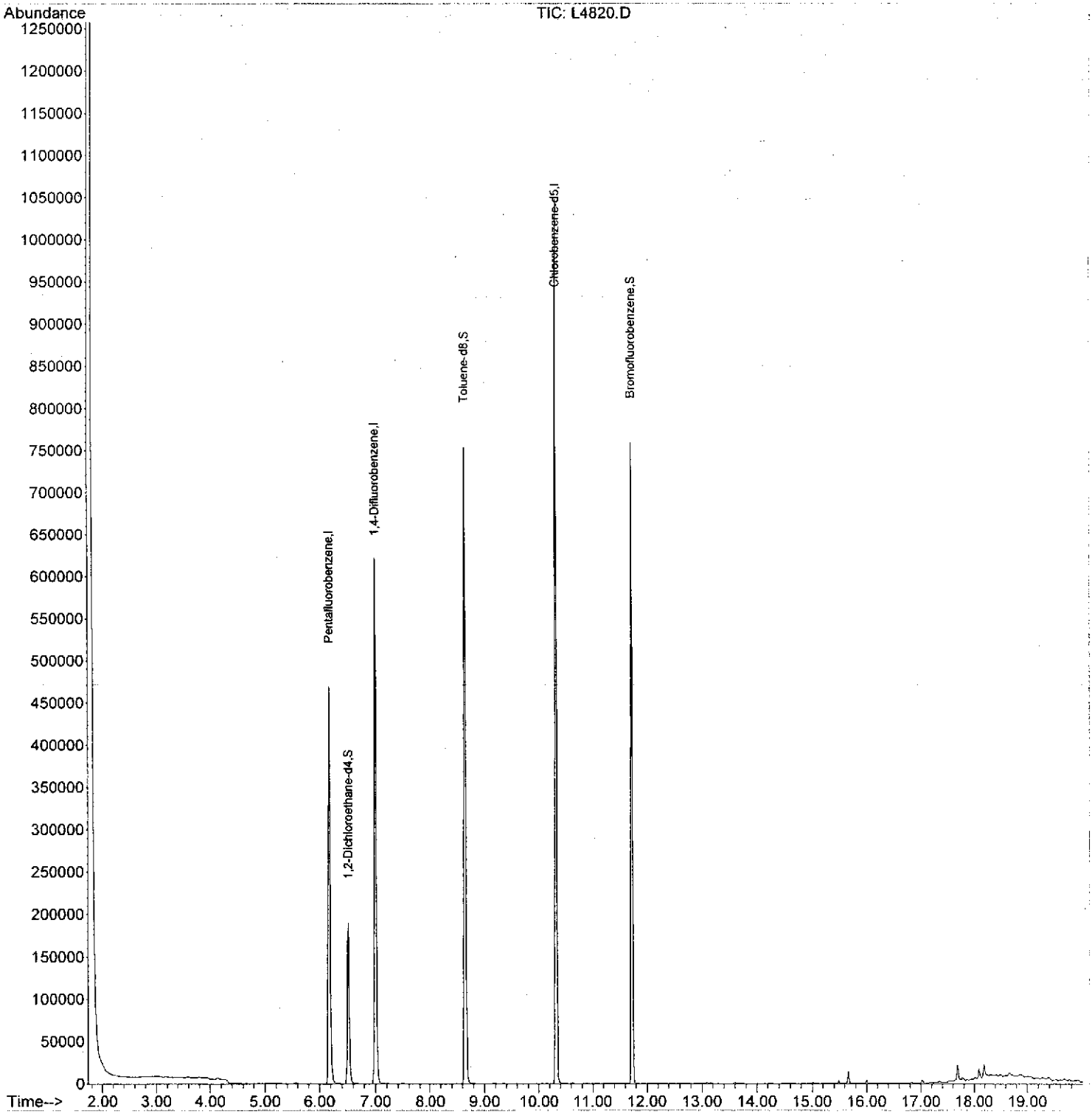
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4820.D
Acq On : 13 Apr 2010 13:39
Operator : MEI
Sample : N/A,METHOD-BLK,W,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 14 10:00:03 2010
Quant Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Fri Mar 19 11:54:20 2010
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4820.D
Acq On : 13 Apr 2010 13:39
Operator : MEI
Sample : N/A,METHOD-BLK,W,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.181	431	439	452	rBV	468556	1097632	57.06%	13.798%
2	6.516	464	472	486	rBV	189189	446951	23.23%	5.618%
3	6.993	513	519	533	rBV	621463	1389902	72.25%	17.472%
4	8.658	676	683	704	rBV	754256	1601761	83.27%	20.135%
5	10.323	837	847	860	rBV	1048287	1923640	100.00%	24.181%
6	11.724	974	985	999	rBV	759349	1344499	69.89%	16.901%
7	15.663	1366	1373	1379	rBV2	14227	23960	1.25%	0.301%
8	17.683	1564	1572	1579	rBV	19223	49467	2.57%	0.622%
9	18.089	1608	1612	1618	rBV2	12328	29942	1.56%	0.376%
10	18.191	1618	1622	1631	rBV2	15823	47273	2.46%	0.594%

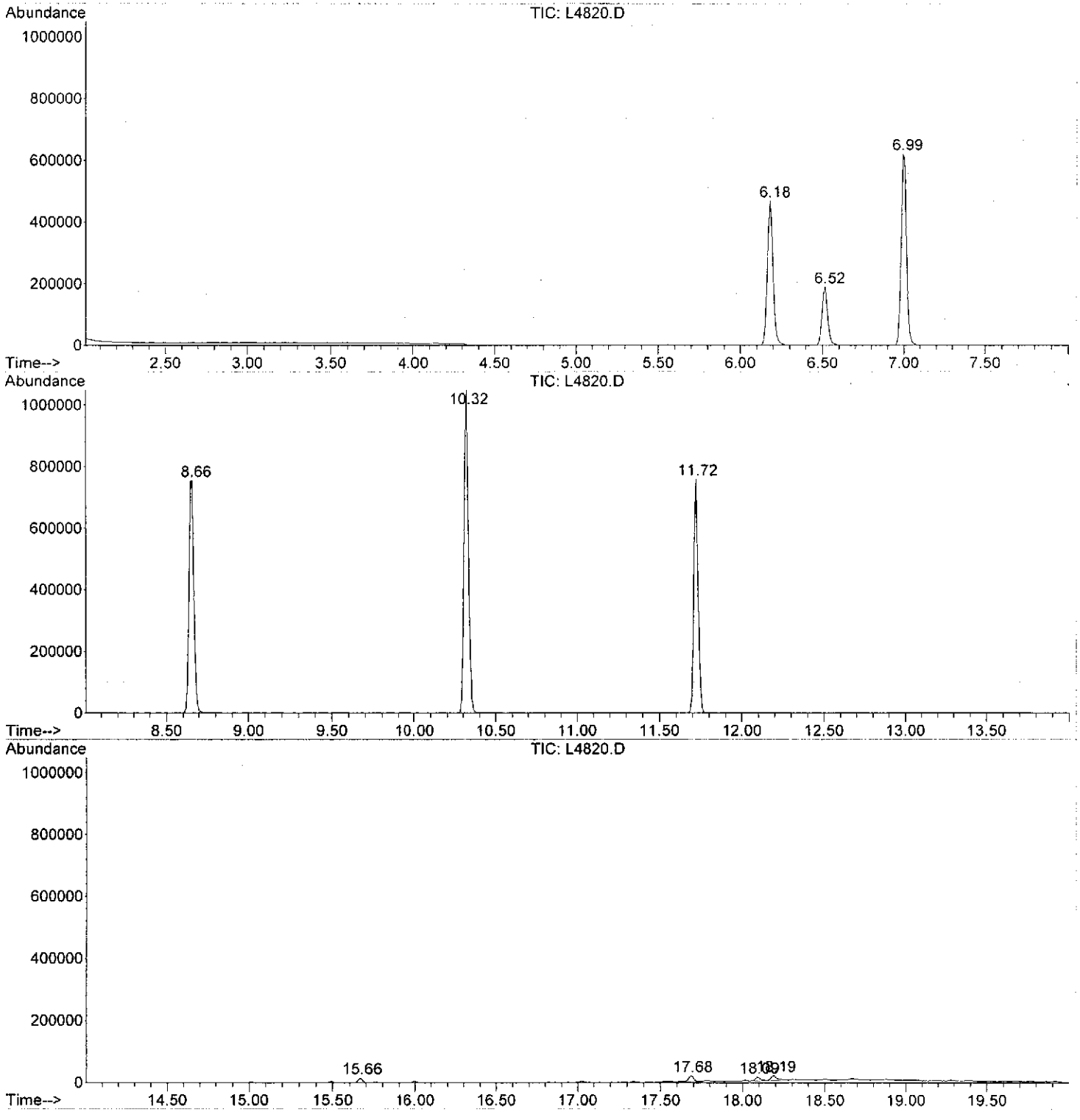
Sum of corrected areas: 7955027

LSC Report - Integrated Chromatogram

Data Path : C:\MSDChem\1\DATA\04-13-10\
Data File : L4820.D
Acq On : 13 Apr 2010 13:39
Operator : MEI
Sample : N/A,METHOD-BLK,W,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\LAM0318.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B

TIC Library : C:\DATABASE\NIST05A.L
TIC Integration Parameters: LSCINT.P



Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER INFO

Company: ARCADIS - U.S., Inc.
Address: 1 International Blvd.
Mahwah, NJ 07495
Telephone #: 201.684.1440 / 201.684.1420
Fax #: 201.684.1420
EMAIL Address:
Project Manager: E. Rodriguez
Sampler: C. Lagros, V. Myers
Project Name: Kings Electronics
Project Location (State): Tuckahoe, NJ
Bottle Order #:
Quote #:

REPORTING INFO

REPORT TO: E. Rodriguez
Address: 1 International Blvd
Mahwah, NJ 07495
Attn: E. Rodriguez
FAX # 201.684.1420
INVOICE TO: ARCADIS - U.S., Inc.
Address: 1 International Blvd
Mahwah, NJ 07495
Attn: E. Rodriguez
PO # NJ000993.0003.00001

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE.

PHC- MUST CHOOSE
DRO (3-5 day TAT) QAM025 (5 day TAT min.)
DRO (8015B) - used for: Fuel Oil #2/Home Heating Oil #1 /#2.
QAM-025 (OQA-QAM025) - used for: all other fuel oil and unknown contaminants.

Verbal/Fax
24 hr* 48 hr* 72 hr* 1 wk* (2 wk/Std)
Hard Copy
Other *call for price (3 wk/Std)
Results needed by:

Rush TAT Charge **
24 hr - 100%....
48 hr - 75%....
72 hr - 50%....
96 hr - 35%....
5 day - 25%....
6-9 day 10%

Report Format: Results Only; Reduced; Regulatory - 15% Surcharge applies; Other (describe)

EDD's: SRP. dbf format; lab approved custom EDD; NO EDD/CD REQ'D

SAMPLE INFORMATION

Sample Matrix
DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

ANALYTICAL PARAMETERS

Cooler Temp 4 °C

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	VOC 8151, 2 Dcl	# BOTTLES & PRESERVATIVES: HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
FB (040610)		4/6/10	9:00	FB	2	1	2	2							
TB (040610)		4/6/10	9:00	TB	1	2	1	1							
PTW-2		4/6/10	10:36	AQ	2	3	2	2							
MW-9S		4/6/10	10:53	AQ	2	4	2	2							
MW-9D		4/6/10	10:52	AQ	2	5	2	2							
MW-6S		4/6/10	11:46	AQ	2	6	2	2							
DUP (040610)		4/6/10	—	AQ	2	7	2	2							
FB (040710)		4/7/10	9:00	FB	2	8	2	2							
GP-104R		4/7/10	10:57	AQ	2	9	2	2							
GP-103R		4/7/10	10:10	AQ	2	10	2	2							

Known Hazard: Yes or (No) Describe:
Conc. Expected: Low Med High

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

	Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:		4/7/10	[illegible]	Received by:	4/7/10	13:35
Relinquished by:		4/7/10	1400	Received by:	4/7/10	1900
Relinquished by:				Received by:		
Relinquished by:				Received by:		
Relinquished by:				Received by:		

Comments:

Lab Case # 03186

PAGE: 1 of 2

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER INFO

Company: Arcadis - U.S., Inc.
Address: 1 International Blvd.
Mahwah, NJ 07495
Telephone #: 201.684.1410
Fax #: 201.684.1420
EMAIL Address:
Project Manager: E. Rodriguez
Sampler: C. Caprus, D. Myers
Project Name: Kings Electronics
Project Location (State): Tuckahoe, NY
Bottle Order #:
Quote #:

REPORTING INFO

REPORT TO: Arcadis
Address: 1 International Blvd.
Mahwah, NJ 07495
Attn: E. Rodriguez
FAX # 201.684.1420
INVOICE TO: Arcadis
Address: 1 International Blvd
Mahwah, NJ 07495
Attn: E. Rodriguez
PO # NJ000423.0005.00001

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE.

PHC- MUST CHOOSE
DRO (3-5 day TAT) QAM025 (5 day TAT min.)
DRO (8015B) - used for: Fuel Oil #2/Home Heating Oil #1 /#2.
QAM-025 (OQA-QAM025) - used for: all other fuel oil and unknown contaminants.

Verbal/Fax: 24 hr* 48 hr* 72 hr* 1 wk* 2 wk/Std
Hard Copy: Other *call for price 3 wk/Std
Results needed by:

Rush TAT Charge **: 24 hr - 100%.... 48 hr - 75%.... 72 hr - 50%.... 96 hr - 35%.... 5 day - 25%.... 6-9 day 10%

Report Format: Results Only; Reduced; Regulatory - 15% Surcharge applies; Other (describe)

EDD's: SRP. dbf format; lab approved custom EDD; NO EDD/CD REQ'D

Cooler Temp 4 °C

SAMPLE INFORMATION

Sample Matrix
DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	ANALYTICAL PARAMETERS: Voc Cas 1,2 dcb	# BOTTLES & PRESERVATIVES: HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
MW-13R		4/7/10	10:12	AQ	2	11	2								

Known Hazard: Yes or No Describe:
Conc. Expected: Low Med High

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	4/7/10	14:00	Received by:	4/7/10	13:35
Relinquished by:	4/7/10	19:00	Received by:	4/7/10	1900
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 03186

PAGE 2 of 2

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

PROJECT INFORMATION

Case No. E10-03186 **Project** KINGS ELECTRONICS - VENDOR #1168636

Customer	**Arcadis Geraghty & Miller - Albany**	**P.O. #**	NJ000423.0005.000(
Contact	Eric Rodriguez	**Received**	4/7/2010 19:00
EMail	eric.rodriguez@arcadis-us.com ☐ EMail EDDs	**Verbal Due**	4/22/2010
Phone	(518) 452-7826 **Fax** 1(518) 452-7086	**Report Due**	4/29/2010

Report To

465 New Karner Road
Albany, NY 12205

Attn: Eric Rodriguez

Bill To

640 Plaza Drive
Suite 130
Highlands Ranch, CO 80129

Attn: Eric Rodriguez

Report Format **Reduced**

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
03186-001	FB (040610)	n/a	4/6/2010	Aqueous	ug/L	2
03186-002	TB (040610)	n/a	4/6/2010@09:00	Aqueous	ug/L	1
03186-003	PTW-2	n/a	4/6/2010@10:36	Aqueous	ug/L	2
03186-004	MW-9S	n/a	4/6/2010@10:53	Aqueous	ug/L	2
03186-005	MW-9D	n/a	4/6/2010@10:52	Aqueous	ug/L	2
03186-006	MW-6S	n/a	4/6/2010@11:46	Aqueous	ug/L	2
03186-007	DUP (040610)	n/a	4/6/2010	Aqueous	ug/L	2
03186-008	FB (040710)	n/a	4/7/2010@09:00	Aqueous	ug/L	2
03186-009	GP-104R	n/a	4/7/2010@10:57	Aqueous	ug/L	2
03186-010	GP-103R	n/a	4/7/2010@10:10	Aqueous	ug/L	2
03186-011	MW-13R	n/a	4/7/2010@10:12	Aqueous	ug/L	2

Sample #	Tests	Status	QA Method
001	PP VOA + Cis 1,2-DCE	**In Process**	8260B
002	PP VOA + Cis 1,2-DCE	**In Process**	8260B
003	PP VOA + Cis 1,2-DCE	**In Process**	8260B
004	PP VOA + Cis 1,2-DCE	**In Process**	8260B
005	PP VOA + Cis 1,2-DCE	**In Process**	8260B
006	PP VOA + Cis 1,2-DCE	**In Process**	8260B
007	PP VOA + Cis 1,2-DCE	**In Process**	8260B
008	PP VOA + Cis 1,2-DCE	**In Process**	8260B
009	PP VOA + Cis 1,2-DCE	**In Process**	8260B
010	PP VOA + Cis 1,2-DCE	**In Process**	8260B
011	PP VOA + Cis 1,2-DCE	**In Process**	8260B

04/12/2010 09:21 by kim - REV 1

CHANGE REPORT MAILING ADDRESS TO THE ALBANY OFFICE, PER ERIC RODRIGUEZ.

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 10** **03186** CLIENT: Arcadis

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

COC: (COMPLETE) / INCOMPLETE **Comments**

KEY
✓ = YES/NA
✗ = NO

- ✓ Bottles Intact
- ✓ no-Missing Bottles
- ✓ no-Extra Bottles
- ✓ Sufficient Sample Volume
- ✓ no-headspace/bubbles in VOs
- ✓ Labels intact/correct
- ✓ pH Check (exclude VOs)[1]
- ✓ Correct bottles/preservative
- ✓ Sufficient Holding/Prep Time[1]
- [ ] Sample to be Subcontracted
- ✓ **Chain of Custody is Clear**

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [ ] DATE 4/7/10

CORRECTIVE ACTION REQUIRED: **YES** [ ] (SEE BELOW) **NO** [ ]

If COC is **NOT** clear, ***STOP*** until you get client to authorize/clarify work.

CLIENT NOTIFIED: YES [ ] Date/ Time: _____ NO [ ]

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [ ] DATE 4.9.10

Laboratory Custody Chronicle

IAL Case No.

E10-03186

Client Arcadis Geraghty & Miller - Albany

Project KINGS ELECTRONICS - VENDOR #1168636

Received On 4/ 7/2010@19:00

Department: Volatiles			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
PP VOA + Cis 1,2-DCE	03186-001	Aqueous	n/a	n/a	4/ 9/10	Xing
"	-002	"	n/a	n/a	4/ 9/10	Xing
"	-003	"	n/a	n/a	4/ 9/10	Xing
"	-004	"	n/a	n/a	4/ 9/10	Xing
"	-005	"	n/a	n/a	4/ 9/10	Xing
"	-006	"	n/a	n/a	4/ 9/10	Xing
"	-007	"	n/a	n/a	4/ 9/10	Xing
"	-008	"	n/a	n/a	4/13/10	Xing
"	-009	"	n/a	n/a	4/13/10	Xing
"	-010	"	n/a	n/a	4/13/10	Xing
"	-011	"	n/a	n/a	4/13/10	Xing

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Arcadis Geraghty & Miller
465 New Karner Rd
Albany, NY 12205

Project Name: **KINGS ELECTRONICS - VENDOR #1168636**
IAL Case Number: **E10-06728**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

IAL Case No.

E10-06728

Client Arcadis Geraghty & Miller

Project KINGS ELECTRONICS - VENDOR #1168636

Received On 7/ 9/2010@17:20

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
06728-001	FB(070810)	n/a	7/ 8/2010@09:00	Aqueous	2
06728-002	TB(070810)	n/a	7/ 8/2010	Aqueous	1
06728-003	PTW-2	n/a	7/ 8/2010@14:12	Aqueous	2
06728-004	MW-9S	n/a	7/ 8/2010@14:11	Aqueous	2
06728-005	MW-9D	n/a	7/ 8/2010@12:07	Aqueous	2
06728-006	MW-6S	n/a	7/ 8/2010@11:57	Aqueous	2
06728-007	MW-13R	n/a	7/ 8/2010@10:32	Aqueous	2
06728-008	DUP(070810)	n/a	7/ 8/2010	Aqueous	2
06728-009	GP-104R	n/a	7/ 9/2010@09:18	Aqueous	2
06728-010	GP-103R	n/a	7/ 9/2010@09:17	Aqueous	2
06728-011	FB(070910)	n/a	7/ 9/2010@08:30	Aqueous	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates the concentration was reported below the RL but above the MDL. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

RL - Reporting Limit.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

Q - Qualifier

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received eleven (11) aqueous sample(s) from Arcadis Geraghty & Miller (Project: KINGS ELECTRONICS - VENDOR #1168636) on July 9, 2010 for the analysis of:

(11) PP VOA + Cis 1,2-DCE

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

7/26/10
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E10-06728

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E10 - 06728

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

7/14/10
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Arcadis Geraghty & Miller
Project: KINGS ELECTRONICS - VENDOR #1168636
Lab Case No.: E10-06728

	Lab ID:	06728-001			06728-002			06728-003			06728-004		
	Client ID:	FB(070810)			TB(070810)			PTW-2			MW-9S		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	7/8/10			7/8/10			7/8/10			7/8/10		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		ND		0.420	ND		0.420	0.846	J	0.420	1.17		0.420
trans-1,2-Dichloroethene		ND		0.330	ND		0.330	ND		0.330	0.626	J	0.330
1,1-Dichloroethane		ND		0.350	ND		0.350	1.39		0.350	1.11		0.350
cis-1,2-Dichloroethene		ND		0.220	ND		0.220	2.67		0.220	0.360	J	0.220
1,1,1-Trichloroethane		ND		0.360	ND		0.360	0.691	J	0.360	ND		0.360
Trichloroethene		ND		0.320	ND		0.320	6.22		0.320	ND		0.320
Tetrachloroethene		ND		0.280	ND		0.280	0.290	J	0.280	ND		0.280
TOTAL VO's:		ND			ND			12.1	J		3.27	J	

	Lab ID:	06728-005			06728-006			06728-007			06728-008		
	Client ID:	MW-9D			MW-6S			MW-13R			DUP(070810)		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	7/8/10			7/8/10			7/8/10			7/8/10		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
1,1-Dichloroethane		ND		0.350	ND		0.350	0.636	J	0.350	ND		0.350
cis-1,2-Dichloroethene		ND		0.220	ND		0.220	0.433	J	0.220	ND		0.220
1,1,1-Trichloroethane		ND		0.360	2.51		0.360	ND		0.360	2.93		0.360
Trichloroethene		ND		0.320	16.3		0.320	0.969	J	0.320	19.0		0.320
Tetrachloroethene		ND		0.280	2.46		0.280	ND		0.280	2.91		0.280
TOTAL VO's:		ND			21.3			2.04	J		24.8		

	Lab ID:	06728-009			06728-010			06728-011		
	Client ID:	GP-104R			GP-103R			FB(070910)		
	Matrix:	Aqueous			Aqueous			Aqueous		
	Sampled Date	7/9/10			7/9/10			7/9/10		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		2.41		0.420	10.9		0.420	ND		0.420
1,1-Dichloroethane		1.84		0.350	ND		0.350	ND		0.350
cis-1,2-Dichloroethene		2.75		0.220	1.74		0.220	ND		0.220
Trichloroethene		0.533	J	0.320	ND		0.320	ND		0.320
TOTAL VO's:		7.53	J		12.6			ND		

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-001
Client ID: FB(070810)
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0613.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-002
Client ID: TB(070810)
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0614.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-003
Client ID: PTW-2
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0615.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	0.846	J	1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	1.39		1.00	0.350
cis-1,2-Dichloroethene	2.67		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	0.691	J	1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	6.22		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	0.290	J	1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210
Total Target Compounds:	12.1	J		

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-004
Client ID: MW-9S
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0616.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	1.17		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	0.626	J	1.00	0.330
1,1-Dichloroethane	1.11		1.00	0.350
cis-1,2-Dichloroethene	0.360	J	1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210
Total Target Compounds:	3.27	J		

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-005
Client ID: MW-9D
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0617.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-006
Client ID: MW-6S
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0618.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	2.51		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	16.3		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	2.46		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 21.3

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-007
Client ID: MW-13R
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0619.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	0.636	J	1.00	0.350
cis-1,2-Dichloroethene	0.433	J	1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	0.969	J	1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210
Total Target Compounds:	2.04	J		

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-008
Client ID: DUP(070810)
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0620.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	2.93		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	19.0		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	2.91		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 24.8

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-009
Client ID: GP-104R
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0621.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	2.41		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	1.84		1.00	0.350
cis-1,2-Dichloroethene	2.75		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	0.533	J	1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210
Total Target Compounds:	7.53	J		

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-010
Client ID: GP-103R
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0622.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	10.9		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	1.74		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 12.6

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-011
Client ID: FB(070910)
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0623.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 0

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: F0406.D

Inst ID: MSD_F

BFB Injection Date: 07/02/2010

BFB Injection Time: 12:39

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	16.4			
75	30.0 - 60.0% of mass 95	48.4			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.7			
173	Less than 2.0% of mass 174	0.8	(	1.0	)1
174	Great than 50.0% of mass 95	79.5			
175	5.0 - 9.0% of mass 174	5.9	(	7.4	)1
176	95.0 - 101.0% of mass 174	76.6	(	96.3	)1
177	5.0 - 9.0% of mass 176	5.1	(	6.6	)2
	1-Value is % mass 174	2-Value is % mass 176			

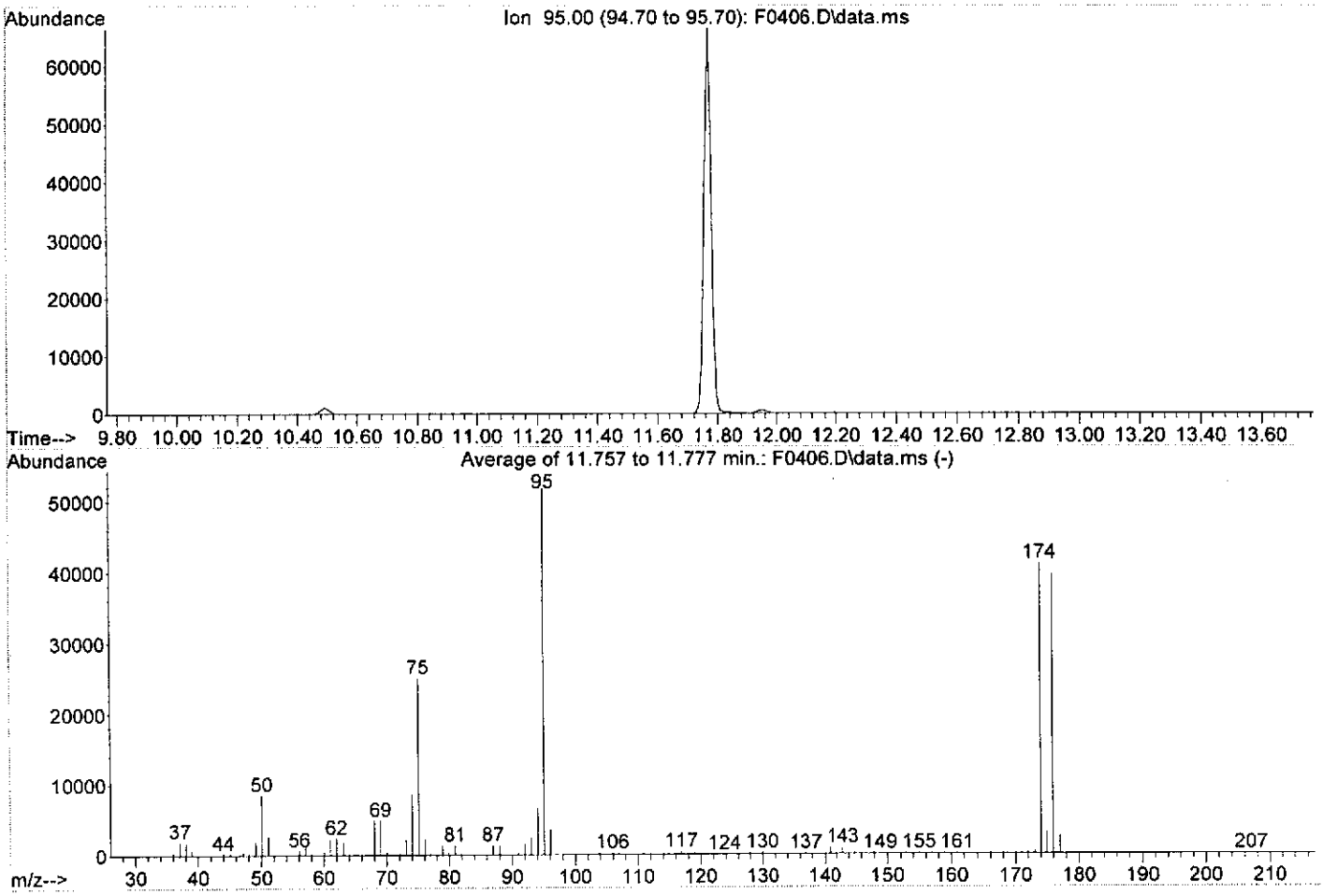
This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
5PPB	STD-5PPB	F0409.D	07/02/2010	14:29
20PPB	STD-20PPB	F0410.D	07/02/2010	14:55
100PPB	STD-100PPB	F0411.D	07/02/2010	15:21
200PPB	STD-200PPB	F0413.D	07/02/2010	16:14
150PPB	STD-150PPB	F0414.D	07/02/2010	16:41
1PPB	STD-1PPB	F0417.D	07/02/2010	18:05
2PPB	STD-2PPB	F0418.D	07/02/2010	18:31
N/A	METHOD-BLK	F0420.D	07/02/2010	19:24
TCLP	TCLP-BLK	F0421.D	07/02/2010	19:50
001	06383-001	F0422.D	07/02/2010	20:16
TCLP	TCLP-SPK	F0423.D	07/02/2010	20:42
LCS-50PPB	BLK-SPK	F0424.D	07/02/2010	21:09
MS	WATER-MS	F0425.D	07/02/2010	21:35
MSD	WATER-MSD	F0426.D	07/02/2010	22:02
TB	06220-026	F0427.D	07/02/2010	22:28
TB	06323-008	F0428.D	07/02/2010	22:55
FB-S	06329-019	F0429.D	07/02/2010	23:21

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0406.D
Acq On : 2 Jul 2010 12:39
Operator : XING
Sample : BFB TUNING
Misc : 50NG
ALS Vial : 5 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Jul 02 16:55:38 2010



AutoFind: Scans 988, 989, 990; Background Corrected with Scan 982

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	8519	PASS
75	95	30	60	48.4	25080	PASS
95	95	100	100	100.0	51853	PASS
96	95	5	9	6.7	3456	PASS
173	174	0.00	2	1.0	421	PASS
174	95	50	100	79.5	41208	PASS
175	174	5	9	7.4	3039	PASS
176	174	95	101	96.3	39698	PASS
177	176	5	9	6.6	2627	PASS

BFB TUNING
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	344	48.05	241	60.05	449	72.05	227
37.10	1896	49.10	1832	61.05	2185	73.05	2124
38.10	1643	50.10	8519	62.00	2376	74.05	8549
39.05	682	51.10	2583	63.10	1760	75.10	25080
40.10	27	52.10	118	64.05	185	76.10	2252
41.30	7	53.00	18	65.05	161	77.00	222
43.10	27	55.00	121	66.05	20	77.95	133
44.00	238	56.10	653	66.95	110	78.90	1332
45.05	322	57.05	1250	68.00	4844	79.95	374
46.05	29	58.05	62	69.05	4870	80.95	1321
47.10	378	59.00	7	70.05	364	81.95	239

Average of 11.757 to 11.777 min.: F0406.D\data.ms
BFB TUNING
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.05	42	102.95	30	114.90	72	126.85	18
86.05	48	103.90	232	115.95	209	127.95	230
87.00	1344	104.95	77	116.90	408	128.95	122
88.00	1301	105.95	239	117.90	273	129.95	241
90.95	204	106.90	56	119.00	337	130.95	94
92.00	1573	109.95	29	122.00	11	134.95	96
93.00	2425	110.90	49	122.90	16	136.95	123
94.05	6525	111.85	28	123.80	20	139.00	9
95.10	51853	112.10	8	124.00	14	139.90	33
96.10	3456	112.90	12	124.80	7	140.90	814
97.00	76	113.05	24	125.70	7	141.95	88

Average of 11.757 to 11.777 min.: F0406.D\data.ms
BFB TUNING
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.95	898	152.90	45	170.95	46		
143.85	41	153.80	35	172.00	257		
144.95	128	154.10	14	173.05	421		
145.85	97	154.95	166	174.00	41208		
146.70	9	155.90	10	175.00	3039		
146.95	40	156.10	15	176.00	39698		
147.90	190	156.90	115	177.00	2627		
148.90	56	158.10	8	177.95	67		
149.95	93	158.90	94	207.05	17		
151.80	11	160.90	99				
152.20	11	170.40	7				

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: F0603.D

BFB Injection Date: 07/13/2010

Inst ID: MSD_F

BFB Injection Time: 9:59

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	16.7			
75	30.0 - 60.0% of mass 95	49.1			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.5			
173	Less than 2.0% of mass 174	0.9	(	1.2	)1
174	Great than 50.0% of mass 95	75.9			
175	5.0 - 9.0% of mass 174	5.8	(	7.7	)1
176	95.0 - 101.0% of mass 174	73.3	(	96.6	)1
177	5.0 - 9.0% of mass 176	4.8	(	6.6	)2
	1-Value is % mass 174	2-Value is % mass 176			

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
100PPB	STD-100PPB	F0604.D	07/13/2010	10:25
N/A	METHOD-BLK	F0607.D	07/13/2010	11:55
FB	06674-004	F0608.D	07/13/2010	12:58
TB	06674-005	F0609.D	07/13/2010	13:24
LCS-50PPB	BLK-SPK	F0610.D	07/13/2010	13:50
MS	06728-005MS	F0611.D	07/13/2010	14:17
MSD	06728-005MSD	F0612.D	07/13/2010	14:43
FB(070810)	06728-001	F0613.D	07/13/2010	15:10
TB(070810)	06728-002	F0614.D	07/13/2010	15:36
PTW-2	06728-003	F0615.D	07/13/2010	16:03
MW-9S	06728-004	F0616.D	07/13/2010	16:29
MW-9D	06728-005	F0617.D	07/13/2010	16:55
MW-6S	06728-006	F0618.D	07/13/2010	17:22
MW-13R	06728-007	F0619.D	07/13/2010	17:48
DUP(070810)	06728-008	F0620.D	07/13/2010	18:14
GP-104R	06728-009	F0621.D	07/13/2010	18:41
GP-103R	06728-010	F0622.D	07/13/2010	19:07
FB(070910)	06728-011	F0623.D	07/13/2010	19:34
FB	06462-003	F0624.D	07/13/2010	20:00
TB	06462-004	F0625.D	07/13/2010	20:27

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: F0603.D BFB Injection Date : 07/13/201

Inst ID: MSD_F BFB Injection Time: 9:59

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	16.7			
75	30.0 - 60.0% of mass 95	49.1			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.5			
173	Less than 2.0% of mass 174	0.9	(	1.2	)1
174	Great than 50.0% of mass 95	75.9			
175	5.0 - 9.0% of mass 174	5.8	(	7.7	)1
176	95.0 - 101.0% of mass 174	73.3	(	96.6	)1
177	5.0 - 9.0% of mass 176	4.8	(	6.6	)2
	1-Value is % mass 174	2-Value is % mass 176			

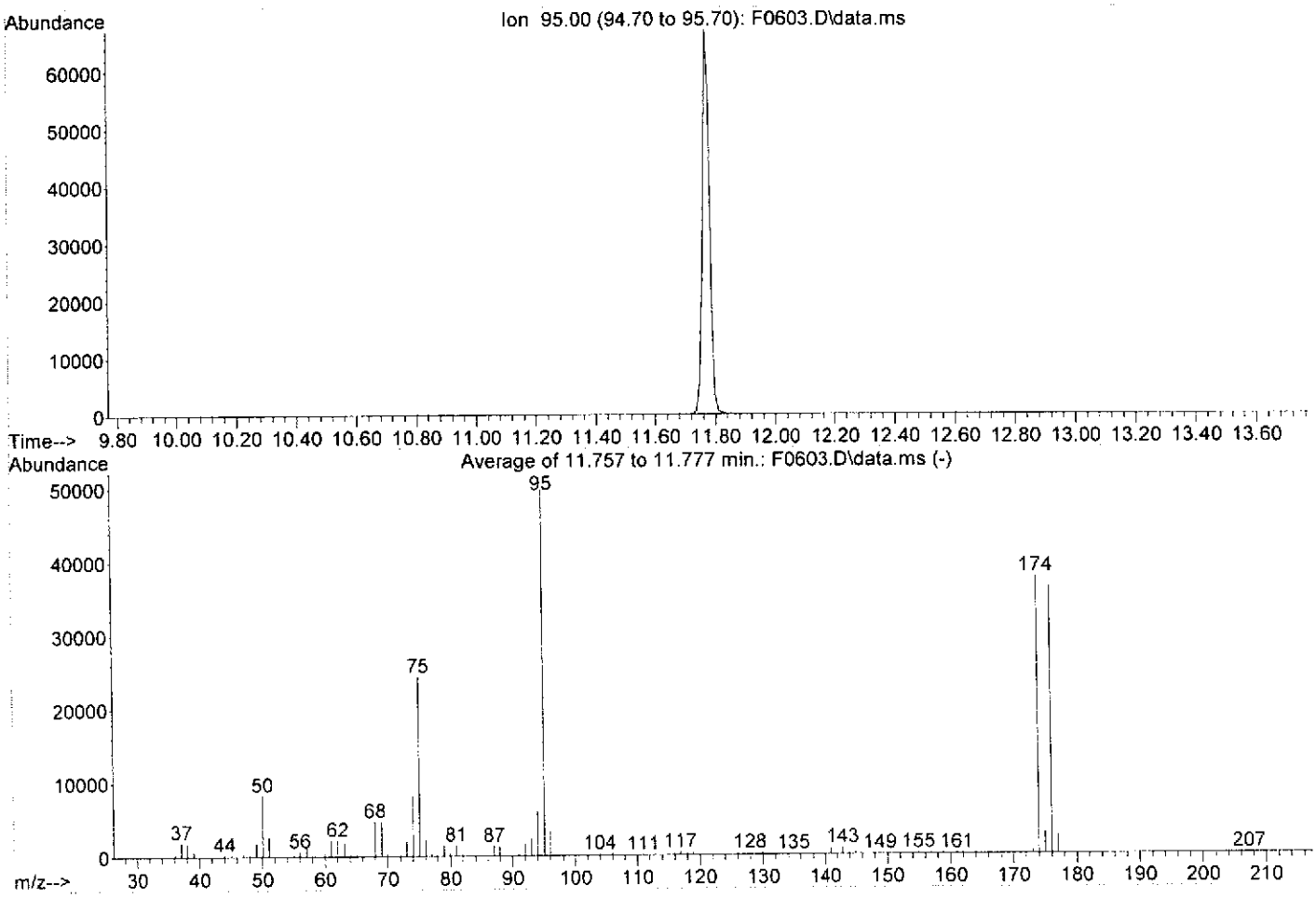
This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
GW-1	06662-001	F0627.D	07/13/2010	21:19

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0603.D
Acq On : 13 Jul 2010 9:59
Operator : XING
Sample : BFB TUNING
Misc : 50NG
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue Jul 06 13:53:33 2010



AutoFind: Scans 988, 989, 990; Background Corrected with Scan 982

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	8281	PASS
75	95	30	60	49.1	24411	PASS
95	95	100	100	100.0	49706	PASS
96	95	5	9	6.5	3220	PASS
173	174	0.00	2	1.2	435	PASS
174	95	50	100	75.9	37736	PASS
175	174	5	9	7.7	2907	PASS
176	174	95	101	96.6	36460	PASS
177	176	5	9	6.6	2393	PASS

Average of 11.757 to 11.777 min.: F0603.D\data.ms
BFB TUNING
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	351	49.05	1821	62.05	2154	74.05	8141
37.10	1870	50.10	8281	63.10	1788	75.10	24411
38.10	1703	51.10	2534	64.05	212	76.10	2124
39.10	675	52.05	101	65.05	213	77.05	209
40.00	32	53.00	27	66.05	22	78.00	118
42.80	6	55.10	114	67.05	113	79.00	1339
44.00	232	56.00	670	68.00	4712	79.95	385
45.10	313	57.05	1207	69.05	4700	80.95	1435
46.25	41	58.05	38	70.05	352	81.95	270
47.05	347	60.00	429	72.05	226	82.95	22
48.00	228	61.00	2140	73.00	2063	83.20	20

Average of 11.757 to 11.777 min.: F0603.D\data.ms
BFB TUNING
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.95	33	103.95	226	115.95	206	126.90	8
87.00	1319	104.80	14	116.90	425	127.95	232
87.95	1253	105.05	47	117.95	224	128.90	109
90.95	198	105.95	216	118.95	319	129.90	206
92.00	1641	106.70	6	120.10	6	130.95	97
93.00	2362	106.90	50	121.70	12	132.80	7
94.00	6016	109.85	29	122.90	11	134.00	17
95.05	49706	110.95	62	123.90	38	134.90	121
96.05	3220	112.00	30	124.90	10	135.85	15
97.05	103	112.95	42	125.70	10	136.95	114
102.95	28	114.95	55	126.10	11	139.00	17

Average of 11.757 to 11.777 min.: F0603.D\data.ms
BFB TUNING
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
139.90	34	147.90	189	158.05	19	178.00	62
140.20	8	148.80	42	158.85	79	206.80	8
140.95	744	149.20	13	160.95	89	207.30	18
141.80	34	149.95	71	171.00	52		
142.10	29	151.95	31	172.00	354		
142.90	852	153.00	38	173.05	435		
143.95	68	153.85	38	174.00	37736		
144.95	209	154.95	168	175.00	2907		
145.90	94	155.70	7	176.00	36460		
146.80	12	156.10	19	177.00	2393		
147.00	32	156.95	114	177.80	7		

VOLATILE METHOD BLANK SUMMARY

Lab File ID: F0607.D Instrument ID: MSD_F

Date Analyzed: 07/13/2010 Time Analyzed: 11:55

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FB	06674-004	07/13/2010	12:58
TB	06674-005	07/13/2010	13:24
LCS-50PPB	BLK-SPK	07/13/2010	13:50
MS	06728-005MS	07/13/2010	14:17
MSD	06728-005MSD	07/13/2010	14:43
FB(070810)	06728-001	07/13/2010	15:10
TB(070810)	06728-002	07/13/2010	15:36
PTW-2	06728-003	07/13/2010	16:03
MW-9S	06728-004	07/13/2010	16:29
MW-9D	06728-005	07/13/2010	16:55
MW-6S	06728-006	07/13/2010	17:22
MW-13R	06728-007	07/13/2010	17:48
DUP(070810)	06728-008	07/13/2010	18:14
GP-104R	06728-009	07/13/2010	18:41
GP-103R	06728-010	07/13/2010	19:07
FB(070910)	06728-011	07/13/2010	19:34
FB	06462-003	07/13/2010	20:00
TB	06462-004	07/13/2010	20:27
GW-1	06662-001	07/13/2010	21:19

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: N/A
Date Received:
Date Analyzed: 07/13/2010
Data file: F0607.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 0

Method Path : C:\MSDCHEM\1\METHODS\
Method File : FAM0702.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Tue Jul 06 13:53:33 2010
Response Via : Initial Calibration

Calibration Files
1 =F0417.D 2 =F0418.D 5 =F0409.D
20 =F0410.D 100 =F0411.D 200 =F0413.D 150 =F0414.D

		Compound	1	2	5	20	100	200	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------								
2)	T	Dichlorodifluorom	0.406	0.439	0.380	0.316	0.367	0.341	0.330	0.369	11.82
3)	P	Chloromethane	0.266	0.271	0.233	0.228	0.210	0.203	0.212	0.232	11.77
4)	C	Vinyl chloride	0.315	0.335	0.308	0.268	0.272	0.258	0.254	0.287	11.04
5)	T	Bromomethane	0.289	0.286	0.228	0.243	0.228	0.210	0.223	0.244	12.79
6)	T	Chloroethane	0.182	0.192	0.164	0.168	0.156	0.152	0.153	0.167	9.12
7)	T	Trichlorofluorome	0.750	0.799	0.659	0.581	0.640	0.614	0.573	0.659	12.96
8)	T	Acrolein	0.012	0.014	0.013	0.015	0.013	0.013	0.013	0.013	6.23
9)	MC	1,1-Dichloroethen	0.372	0.377	0.356	0.304	0.309	0.307	0.295	0.331	10.65
10)	T	Acetone		0.112	0.105	0.088	0.081	0.082	0.085	0.092	14.32
11)	T	Carbon disulfide	1.210	1.150	1.021	0.915	0.959	0.954	0.930	1.020	11.33
12)	T	Vinyl acetate	0.997	0.910	0.952	0.893	0.894	0.867	0.870	0.912	5.16
13)	T	Methylene chlorid		0.479	0.451	0.389	0.343	0.372	0.371	0.401	13.14
14)	T	Acrylonitrile	0.107	0.116	0.106	0.118	0.103	0.098	0.101	0.107	6.94
15)	T	tert-Butyl alcoho	0.036	0.035	0.035	0.031	0.028	0.030	0.031	0.032	9.54
16)	T	trans-1,2-Dichlor	0.531	0.515	0.515	0.456	0.416	0.401	0.396	0.461	12.75
17)	T	Methyl tert-butyl	1.401	1.313	1.278	1.155	1.089	1.061	1.105	1.200	10.84
18)	P	1,1-Dichloroethan	0.756	0.806	0.757	0.662	0.615	0.616	0.621	0.691	11.66
19)	T	Diisopropyl ether	0.917	0.861	0.953	1.041	1.029	1.001	1.027	0.976	6.94
20)	T	cis-1,2-Dichloroe	0.473	0.434	0.440	0.437	0.439	0.437	0.441	0.443	3.00
21)	T	2,2-Dichloropropa	0.558	0.540	0.539	0.499	0.494	0.474	0.462	0.509	7.16
22)	T	2-Butanone (MEK)	0.126	0.139	0.142	0.131	0.132	0.132	0.131	0.133	4.07
23)	T	Bromochloromethan	0.381	0.354	0.346	0.309	0.286	0.288	0.285	0.321	12.14
25)	C	Chloroform	1.023	0.996	0.996	0.853	0.801	0.799	0.779	0.892	12.09
26)	T	1,1,1-Trichloroet	0.913	0.862	0.811	0.719	0.742	0.736	0.704	0.784	10.19
27)	T	Carbon tetrachlor	0.842	0.864	0.734	0.657	0.731	0.732	0.680	0.749	10.33
28)	T	1,1-Dichloroprope	0.570	0.516	0.457	0.430	0.473	0.468	0.456	0.481	9.69
29)	T	1,2-Dichloroethan	0.813	0.812	0.825	0.693	0.649	0.639	0.617	0.721	12.78
30)	S	1,2-Dichloroethan	0.513	0.507	0.493	0.484	0.450	0.445	0.433	0.475	6.75
31)	I	1,4-Difluorobenzene	----------ISTD----------								
32)	M	Benzene	1.155	1.096	1.029	0.935	0.923	0.897	0.904	0.991	10.41
33)	M	Trichloroethene	0.354	0.297	0.286	0.258	0.283	0.287	0.278	0.292	10.29
34)	C	1,2-Dichloropropa	0.240	0.223	0.221	0.200	0.202	0.199	0.200	0.212	7.54
35)	T	Dibromomethane	0.217	0.207	0.199	0.175	0.176	0.174	0.169	0.188	10.16
36)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	11.79
37)	T	Bromodichlorometh	0.450	0.411	0.424	0.376	0.399	0.403	0.385	0.407	6.09
38)	T	2-Chloroethyl vin	0.112	0.098	0.102	0.099	0.132	0.130	0.132	0.115	13.89
39)	T	cis-1,3-Dichlorop	0.292	0.303	0.304	0.324	0.380	0.381	0.373	0.337	11.87
40)	T	4-Methyl-2-pentan	0.153	0.159	0.128	0.139	0.175	0.176	0.176	0.158	12.12
41)	S	Toluene-d8	0.822	0.850	0.863	0.887	0.906	0.899	0.882	0.873	3.38
42)	MC	Toluene	0.788	0.727	0.706	0.655	0.680	0.658	0.644	0.694	7.35
43)	T	trans-1,3-Dichlor	0.304	0.325	0.329	0.317	0.392	0.390	0.378	0.348	10.74
44)	T	1,1,2-Trichloroet	0.222	0.192	0.191	0.167	0.179	0.173	0.171	0.185	10.27
45)	T	Tetrachloroethene	0.326	0.290	0.266	0.248	0.286	0.280	0.271	0.281	8.62
46)	T	1,3-Dichloropropa	0.362	0.330	0.349	0.328	0.363	0.352	0.349	0.348	3.97
47)	T	2-Hexanone	0.102	0.094	0.095	0.096	0.126	0.125	0.126	0.109	14.34
48)	T	Dibromochlorometh	0.394	0.348	0.355	0.344	0.400	0.400	0.383	0.375	6.72
49)	T	1,2-Dibromoethane	0.277	0.248	0.254	0.237	0.274	0.270	0.262	0.260	5.63
50)	I	Chlorobenzene-d5	----------ISTD----------								
51)	MP	Chlorobenzene	1.164	1.092	1.074	0.923	0.904	0.876	0.870	0.986	12.19
52)	T	1,1,1,2-Tetrachlo	0.522	0.432	0.437	0.397	0.397	0.393	0.387	0.424	11.22

54)	T	m,p-Xylene	0.520	0.456	0.533	0.513	0.520	0.493	0.489	0.503	5.16
55)	T	o-Xylene	0.408	0.406	0.418	0.487	0.523	0.506	0.501	0.464	11.03
56)	T	Styrene	0.714	0.745	0.895	0.923	0.957	0.920	0.911	0.867	11.04
57)	P	Bromoform	0.218	0.186	0.193	0.183	0.219	0.226	0.214	0.206	8.52
58)	T	Isopropylbenzene	1.065	0.905	1.089	1.049	1.228	1.204	1.177	1.102	10.14
59)	S	Bromofluorobenzen	0.395	0.403	0.414	0.415	0.413	0.407	0.403	0.407	1.80
60)	P	1,1,2,2-Tetrachlo	0.365	0.342	0.324	0.293	0.286	0.276	0.290	0.311	10.70
61)	T	Bromobenzene	0.497	0.420	0.413	0.388	0.401	0.392	0.384	0.413	9.46
62)	T	1,2,3-Trichloropr	0.264	0.251	0.229	0.205	0.202	0.197	0.195	0.220	12.57
63)	T	n-Propylbenzene	1.168	0.957	1.036	1.130	1.213	1.180	1.152	1.119	8.11
64)	T	2-Chlorotoluene	0.956	0.763	0.840	0.855	0.877	0.850	0.837	0.854	6.72
65)	T	1,3,5-Trimethylbe	0.896	0.769	0.899	1.029	1.061	1.029	1.009	0.956	10.99
66)	T	4-Chlorotoluene	1.186	0.968	1.106	1.051	1.046	1.008	0.987	1.050	7.19
67)	T	tert-Butylbenzene	0.639	0.697	0.719	0.786	0.920	0.894	0.878	0.790	13.85
68)	T	1,2,4-Trimethylbe	0.898	0.872	0.985	1.126	1.126	1.093	1.072	1.024	10.41
69)	T	sec-Butylbenzene	0.876	0.801	0.838	0.966	1.102	1.062	1.056	0.957	12.58
70)	T	1,3-Dichlorobenze	0.900	0.734	0.750	0.711	0.713	0.688	0.671	0.738	10.30
71)	T	4-Isopropyltoluen	0.805	0.787	0.838	1.018	1.094	1.053	1.046	0.949	13.93
72)	T	1,4-Dichlorobenze	0.952	0.754	0.822	0.774	0.759	0.729	0.711	0.786	10.36
73)	T	n-Butylbenzene	0.321	0.345	0.275	0.334	0.405	0.394	0.397	0.353	13.63
74)	T	1,2-Dichlorobenze	0.847	0.742	0.793	0.769	0.723	0.691	0.679	0.749	7.89
75)	T	1,2-Dibromo-3-chl	0.060	0.047	0.047	0.048	0.056	0.059	0.056	0.053	10.88
76)	T	1,2,4-Trichlorobe	0.316	0.235	0.264	0.242	0.321	0.332	0.323	0.290	14.42
77)	T	Hexachlorobutadie		0.148	0.128	0.124	0.128	0.128	0.126	0.130	6.85
78)	T	Naphthalene	0.879		0.947	0.974	1.215	1.224	1.179	1.070	14.33
79)	T	1,2,3-Trichlorobe	0.320	0.245	0.243	0.282	0.310	0.314	0.313	0.290	11.53
80)	T	1,1,2-Trichloro-1	0.271	0.286	0.239	0.196	0.230	0.220	0.214	0.236	13.48
81)	T	Methyl acetate	0.185	0.165	0.172	0.147	0.136	0.135	0.134	0.154	13.35
82)	T	Cyclohexane		0.309	0.292	0.222	0.242	0.233	0.236	0.256	13.98
83)	T	Methylcyclohexane	0.135	0.135	0.131	0.128	0.170	0.166	0.166	0.147	12.77

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

FAM0702.M Tue Jul 06 13:53:40 2010 RP1

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0409.D
Acq On : 2 Jul 2010 14:29
Operator : XING
Sample : 5PPB,STD-5PPB,A,5mL,100
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 13 16:25:12 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.193	168	205401	50.00	UG		-0.01
31) 1,4-Difluorobenzene	7.016	114	329128	50.00	UG		-0.01
50) Chlorobenzene-d5	10.366	117	299217	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.528	65	101291	51.94	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 103.88%				
41) Toluene-d8	8.681	98	284200	49.47	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 98.94%				
59) Bromofluorobenzene	11.767	95	123787	50.79	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 101.58%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.788	85	7807	5.16	UG		100
3) Chloromethane	1.960	50	4780	5.02	UG		100
4) Vinyl chloride	2.092	62	6324	5.36	UG		99
5) Bromomethane	2.468	94	4688	4.68	UG	#	39
6) Chloroethane	2.590	64	3377	4.93	UG		99
7) Trichlorofluoromethane	2.864	101	13533	5.00	UG	#	37
8) Acrolein	3.392	56	5218	97.55	UG	#	96
9) 1,1-Dichloroethene	3.493	96	7306	5.37	UG	#	100
10) Acetone	3.584	43	2008m	5.31	UG		
11) Carbon disulfide	3.747	76	20962	5.00	UG		100
12) Vinyl acetate	5.006	43	19559	5.22	UG		100
13) Methylene chloride	4.102	84	9761	5.93	UG	#	100
14) Acrylonitrile	4.417	53	43539	99.09	UG	#	100
15) tert-Butyl alcohol (TBA)	4.285	59	1447	10.90	UG	#	100
16) trans-1,2-Dichloroethene	4.417	96	10588	5.59	UG	#	98
17) Methyl tert-butyl ethe...	4.437	73	26245	5.32	UG		100
18) 1,1-Dichloroethane	4.924	63	15550	5.48	UG		99
19) Diisopropyl ether (DIPE)	5.006	45	19578	4.89	UG	#	100
20) cis-1,2-Dichloroethene	5.605	96	9031	4.96	UG	#	100
21) 2,2-Dichloropropane	5.594	77	11069	5.29	UG		97
22) 2-Butanone (MEK)	5.635	43	2918	5.33	UG	#	98
23) Bromochloromethane	5.879	128	7114	5.39	UG	#	100
25) Chloroform	5.970	83	20452	5.58	UG		100
26) 1,1,1-Trichloroethane	6.163	97	16660	5.17	UG	#	58
27) Carbon tetrachloride	6.346	117	15075	4.90	UG		99
28) 1,1-Dichloropropene	6.346	75	9389	4.75	UG	#	95
29) 1,2-Dichloroethane (EDC)	6.620	62	16952	5.72	UG		100
32) Benzene	6.589	78	33874	5.19	UG		100
33) Trichloroethene	7.310	95	9408	4.90	UG	#	81
34) 1,2-Dichloropropane	7.564	63	7278	5.21	UG	#	100
35) Dibromomethane	7.706	93	6566	5.30	UG		98
36) 1,4-Dioxane	7.736	88	10797	864.78	UG	#	100
37) Bromodichloromethane	7.879	83	13943	5.20	UG	#	99
38) 2-Chloroethyl vinyl ether	8.224	63	2872m	3.79	UG		
39) cis-1,3-Dichloropropene	8.386	75	9997	4.51	UG	#	97
40) 4-Methyl-2-pentanone (...	8.569	43	4042	3.89	UG		99
42) Toluene	8.762	92	23249	5.09	UG		99
43) trans-1,3-Dichloropropene	9.016	75	9929	4.34	UG	#	91
44) 1,1,2-Trichloroethane	9.239	83	6283	5.16	UG		93

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0409.D
Acq On : 2 Jul 2010 14:29
Operator : XING
Sample : 5PPB,STD-5PPB,A,5mL,100
Misc :
ALS Vial : 8 Sample Multiplier: 1

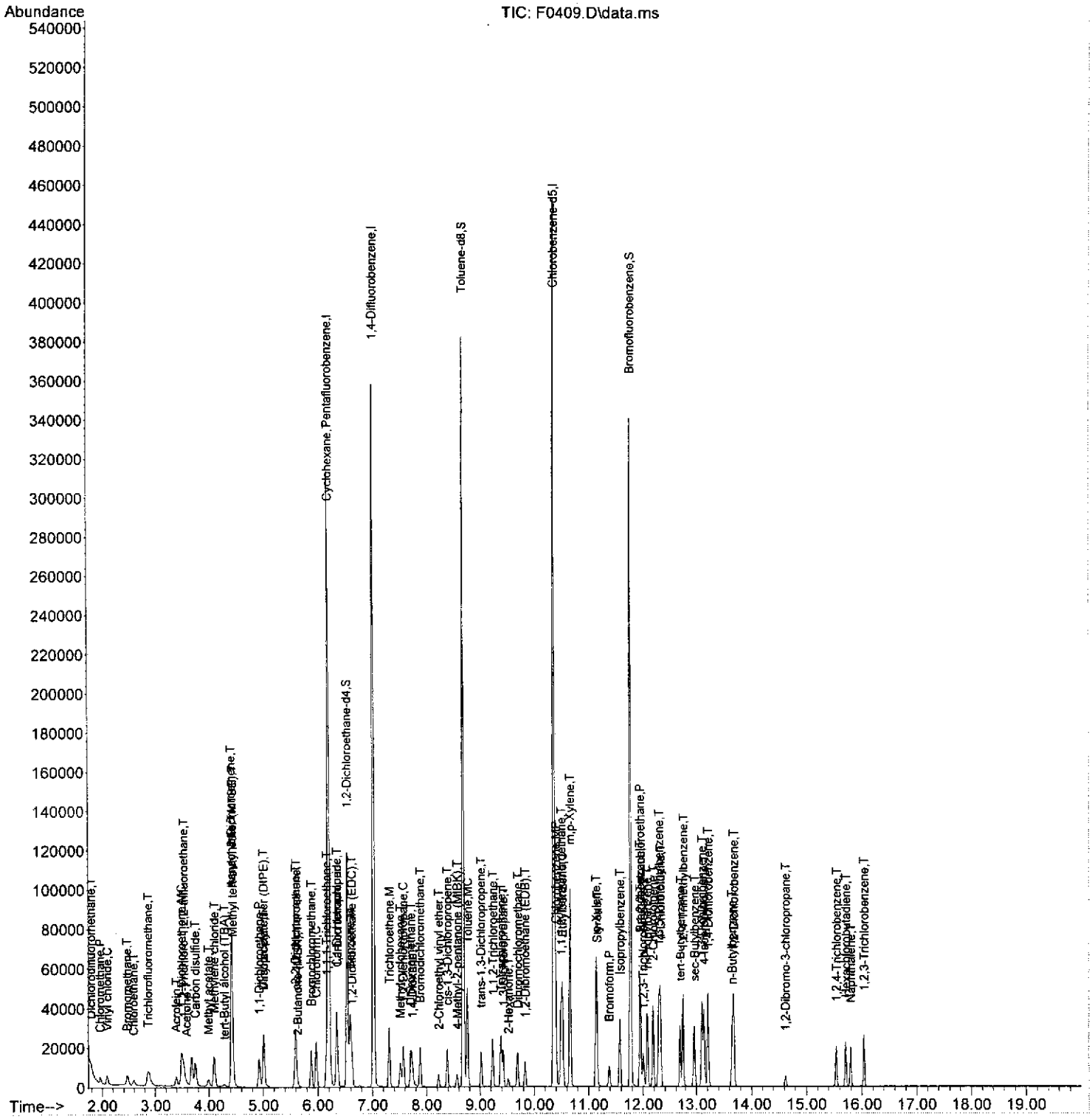
Quant Time: Jul 13 16:25:12 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Tetrachloroethene	9.391	166	8767	4.74	UG	#	100
46) 1,3-Dichloropropane	9.432	76	11472	5.01	UG		100
47) 2-Hexanone	9.523	43	2644	3.68	UG		98
48) Dibromochloromethane	9.696	129	11680	4.73	UG		99
49) 1,2-Dibromoethane (EDB)	9.828	107	8365	4.88	UG		99
51) Chlorobenzene	10.396	112	32123	5.44	UG	#	100
52) 1,1,1,2-Tetrachloroethane	10.498	131	13084	5.16	UG	#	98
53) Ethylbenzene	10.518	91	35812	4.93	UG		99
54) m,p-Xylene	10.660	106	31918	10.60	UG		90
55) o-Xylene	11.137	106	12501	4.50	UG		92
56) Styrene	11.158	104	26778	5.16	UG	#	72
57) Bromoform	11.381	173	5777	4.70	UG	#	99
58) Isopropylbenzene	11.574	105	24680	3.74	UG		99
60) 1,1,2,2-Tetrachloroethane	11.949	83	9698	5.21	UG		99
61) Bromobenzene	11.949	156	12358	4.99	UG	#	34
62) 1,2,3-Trichloropropane	12.000	75	6839	5.18	UG	#	100
63) n-Propylbenzene	12.071	91	30989	4.63	UG	#	91
64) 2-Chlorotoluene	12.183	91	25092m	4.91	UG		
65) 1,3,5-Trimethylbenzene	12.295	105	26895	4.70	UG		98
66) 4-Chlorotoluene	12.315	91	33106	5.27	UG	#	96
67) tert-Butylbenzene	12.691	119	17436	3.69	UG	#	100
68) 1,2,4-Trimethylbenzene	12.751	105	29468	4.81	UG		99
69) sec-Butylbenzene	12.965	105	23969	4.18	UG		99
70) 1,3-Dichlorobenzene	13.097	146	22442	5.08	UG	#	100
71) 4-Isopropyltoluene	13.137	119	25088	4.42	UG	#	99
72) 1,4-Dichlorobenzene	13.208	146	24587	5.23	UG		100
73) n-Butylbenzene	13.645	92	8219m	3.89	UG		
74) 1,2-Dichlorobenzene	13.675	146	23741	5.30	UG	#	99
75) 1,2-Dibromo-3-chloropr...	14.619	75	1400	4.39	UG	#	91
76) 1,2,4-Trichlorobenzene	15.533	180	6158	3.54	UG		98
77) Hexachlorobutadiene	15.706	225	3833	4.91	UG		99
78) Naphthalene	15.797	128	25627m	4.00	UG		
79) 1,2,3-Trichlorobenzene	16.041	180	7282	4.20	UG		99
80) 1,1,2-Trichloro-1,2,2-...	3.534	101	7137	5.04	UG	#	85
81) Methyl acetate	3.990	43	5645	6.14	UG	#	97
82) Cyclohexane	6.204	56	8922m	5.83	UG		
83) Methylcyclohexane	7.513	55	3450	3.92	UG	#	81

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

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0409.D
Acq On : 2 Jul 2010 14:29
Operator : XING
Sample : 5PPB,STD-5PPB,A,5mL,100
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 13 16:25:12 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0410.D
Acq On : 2 Jul 2010 14:55
Operator : XING
Sample : 20PPB,STD-20PPB,A,5mL,100
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 13 16:26:36 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.204	168	204581	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.026	114	318960	50.00	UG		0.00
50) Chlorobenzene-d5	10.366	117	300059	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.529	65	98948	50.94	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 101.88%				
41) Toluene-d8	8.681	98	282918	50.82	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.64%				
59) Bromofluorobenzene	11.767	95	124520	50.95	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 101.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.788	85	25893	17.17	UG		100
3) Chloromethane	1.960	50	18618	19.65	UG		98
4) Vinyl chloride	2.092	62	21950	18.68	UG		99
5) Bromomethane	2.468	94	19911	19.95	UG	#	54
6) Chloroethane	2.590	64	13742	20.13	UG		99
7) Trichlorofluoromethane	2.874	101	47560	17.63	UG	#	37
8) Acrolein	3.402	56	11880	222.99	UG		99
9) 1,1-Dichloroethene	3.503	96	24889	18.35	UG	#	100
10) Acetone	3.595	43	7167	19.03	UG		99
11) Carbon disulfide	3.757	76	74846	17.94	UG		100
12) Vinyl acetate	5.006	43	73064	19.58	UG		100
13) Methylene chloride	4.102	84	31795	19.39	UG	#	99
14) Acrylonitrile	4.417	53	96611	220.75	UG	#	100
15) tert-Butyl alcohol (TBA)	4.295	59	5011	37.90	UG	#	100
16) trans-1,2-Dichloroethene	4.427	96	37284	19.75	UG	#	98
17) Methyl tert-butyl ethe...	4.437	73	94556	19.25	UG		100
18) 1,1-Dichloroethane	4.925	63	54184	19.18	UG	#	85
19) Diisopropyl ether (DIPE)	5.016	45	85156	21.33	UG	#	100
20) cis-1,2-Dichloroethene	5.605	96	35722	19.71	UG	#	99
21) 2,2-Dichloropropane	5.595	77	40867	19.61	UG		94
22) 2-Butanone (MEK)	5.645	43	10741	19.70	UG	#	98
23) Bromochloromethane	5.879	128	25257	19.21	UG	#	100
25) Chloroform	5.970	83	69783	19.11	UG		100
26) 1,1,1-Trichloroethane	6.163	97	58802	18.34	UG	#	58
27) Carbon tetrachloride	6.346	117	53778	17.56	UG		99
28) 1,1-Dichloropropene	6.346	75	35196	17.87	UG	#	85
29) 1,2-Dichloroethane (EDC)	6.620	62	56727	19.22	UG		100
32) Benzene	6.589	78	119350	18.87	UG		100
33) Trichloroethene	7.310	95	32906	17.69	UG	#	79
34) 1,2-Dichloropropane	7.574	63	25561	18.86	UG	#	100
35) Dibromomethane	7.706	93	22362	18.62	UG		96
36) 1,4-Dioxane	7.726	88	25117	2075.86	UG	#	100
37) Bromodichloromethane	7.879	83	47953	18.47	UG	#	99
38) 2-Chloroethyl vinyl ether	8.224	63	12687	17.30	UG	#	94
39) cis-1,3-Dichloropropene	8.386	75	41309	19.23	UG	#	97
40) 4-Methyl-2-pentanone (...	8.569	43	17756	17.62	UG		97
42) Toluene	8.762	92	83506	18.86	UG		99
43) trans-1,3-Dichloropropene	9.016	75	40390	18.21	UG	#	91
44) 1,1,2-Trichloroethane	9.239	83	21350	18.08	UG		93

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0410.D
Acq On : 2 Jul 2010 14:55
Operator : XING
Sample : 20PPB,STD-20PPB,A,5mL,100
Misc :
ALS Vial : 9 Sample Multiplier: 1

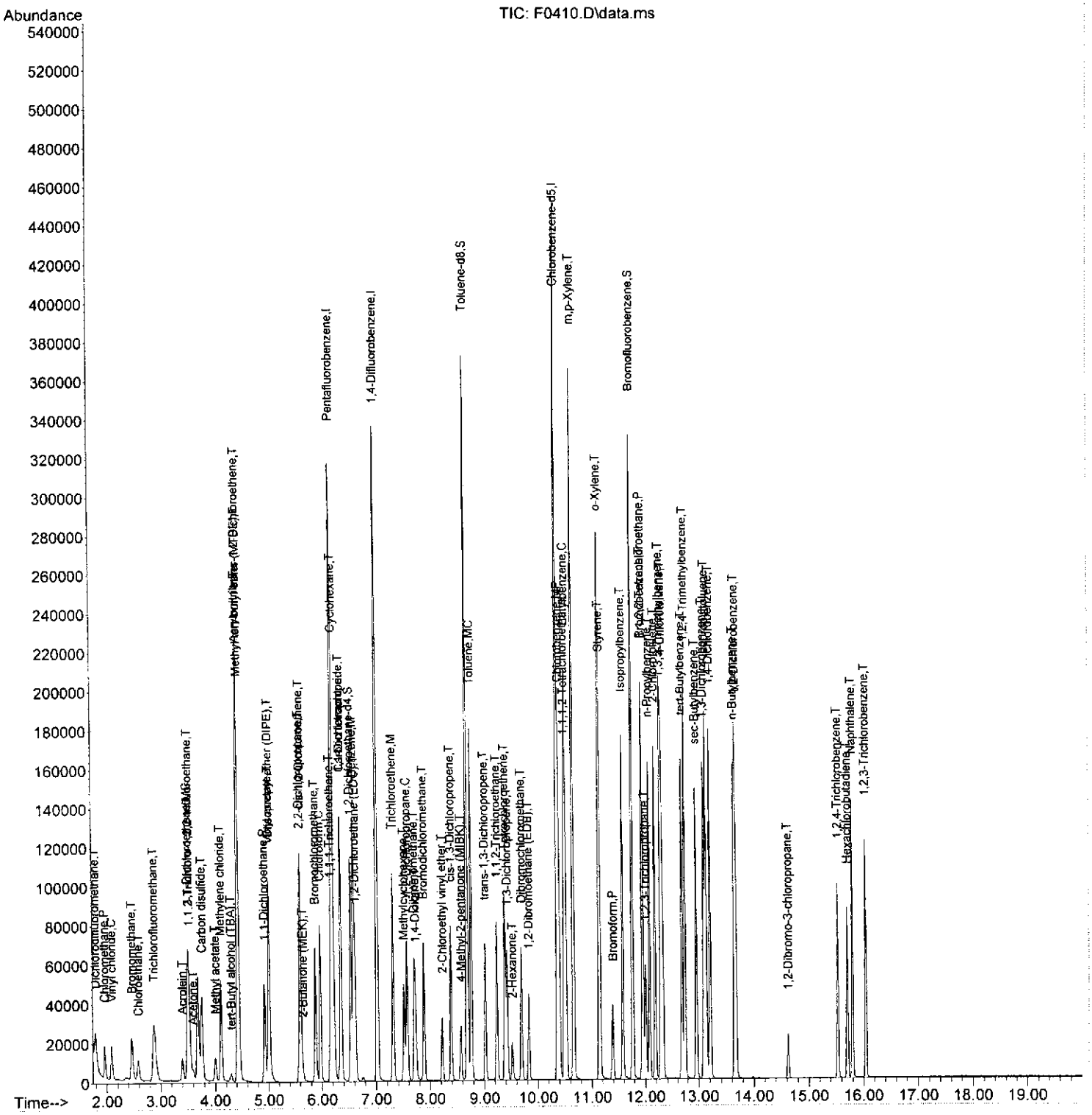
Quant Time: Jul 13 16:26:36 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Tetrachloroethene	9.391	166	31685	17.67	UG	#	99
46) 1,3-Dichloropropane	9.432	76	41879	18.89	UG		100
47) 2-Hexanone	9.523	43	12191	17.51	UG		99
48) Dibromochloromethane	9.696	129	43891	18.36	UG		100
49) 1,2-Dibromoethane (EDB)	9.828	107	30275	18.23	UG		100
51) Chlorobenzene	10.396	112	110781	18.72	UG	#	100
52) 1,1,1,2-Tetrachloroethane	10.498	131	47631	18.74	UG	#	99
53) Ethylbenzene	10.518	91	143663	19.74	UG		99
54) m,p-Xylene	10.660	106	123095	40.75	UG		92
55) o-Xylene	11.137	106	58442	20.98	UG		91
56) Styrene	11.158	104	110797	21.31	UG		95
57) Bromoform	11.391	173	21989	17.82	UG	#	77
58) Isopropylbenzene	11.574	105	125951	19.04	UG		99
60) 1,1,2,2-Tetrachloroethane	11.950	83	35205	18.87	UG		100
61) Bromobenzene	11.950	156	46539	18.75	UG	#	35
62) 1,2,3-Trichloropropane	12.000	75	24636	18.62	UG	#	100
63) n-Propylbenzene	12.071	91	135659	20.19	UG	#	98
64) 2-Chlorotoluene	12.183	91	102310m	19.97	UG		
65) 1,3,5-Trimethylbenzene	12.285	105	123546	21.53	UG		99
66) 4-Chlorotoluene	12.315	91	126144	20.01	UG	#	96
67) tert-Butylbenzene	12.691	119	94325	19.88	UG	#	100
68) 1,2,4-Trimethylbenzene	12.752	105	135098	21.97	UG		99
69) sec-Butylbenzene	12.955	105	115908	20.18	UG		99
70) 1,3-Dichlorobenzene	13.097	146	85309	19.26	UG	#	99
71) 4-Isopropyltoluene	13.137	119	122160	21.46	UG	#	99
72) 1,4-Dichlorobenzene	13.208	146	92892	19.70	UG		100
73) n-Butylbenzene	13.645	92	40072	18.91	UG	#	91
74) 1,2-Dichlorobenzene	13.675	146	92250	20.52	UG	#	100
75) 1,2-Dibromo-3-chloropr...	14.620	75	5808	18.16	UG		89
76) 1,2,4-Trichlorobenzene	15.533	180	29021	16.65	UG		99
77) Hexachlorobutadiene	15.706	225	14930	19.08	UG		100
78) Naphthalene	15.797	128	116915	18.21	UG		100
79) 1,2,3-Trichlorobenzene	16.041	180	33863	19.49	UG		99
80) 1,1,2-Trichloro-1,2,2-...	3.524	101	23505	16.57	UG	#	85
81) Methyl acetate	4.001	43	17650	19.15	UG	#	97
82) Cyclohexane	6.214	56	26633	17.35	UG	#	83
83) Methylcyclohexane	7.513	55	15341	17.37	UG	#	82

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

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0410.D
Acq On : 2 Jul 2010 14:55
Operator : XING
Sample : 20PPB,STD-20PPB,A,5mL,100
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 13 16:26:36 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0411.D
Acq On : 2 Jul 2010 15:21
Operator : XING
Sample : 100PPB,STD-100PPB,A,5mL,100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 16:27:25 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.203	168	234310	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.026	114	355151	50.00	UG		0.00
50) Chlorobenzene-d5	10.366	117	345830	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.528	65	105356	47.36	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 94.72%				
41) Toluene-d8	8.680	98	321787	51.91	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 103.82%				
59) Bromofluorobenzene	11.767	95	142998	50.76	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 101.52%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.787	85	172033	99.62	UG		100
3) Chloromethane	1.960	50	98186	90.47	UG		99
4) Vinyl chloride	2.092	62	127614	94.82	UG		99
5) Bromomethane	2.457	94	106735	93.36	UG	#	56
6) Chloroethane	2.579	64	73286	93.72	UG		99
7) Trichlorofluoromethane	2.874	101	299725	96.98	UG	#	37
8) Acrolein	3.402	56	17615	288.69	UG		98
9) 1,1-Dichloroethene	3.503	96	144586	93.10	UG	#	100
10) Acetone	3.594	43	37915	87.88	UG		99
11) Carbon disulfide	3.757	76	449501	94.06	UG		100
12) Vinyl acetate	5.005	43	419102	98.08	UG		100
13) Methylene chloride	4.102	84	160703	85.55	UG	#	100
14) Acrylonitrile	4.417	53	145158	289.59	UG	#	100
15) tert-Butyl alcohol (TBA)	4.295	59	26710	176.40	UG	#	100
16) trans-1,2-Dichloroethene	4.427	96	194717	90.07	UG	#	99
17) Methyl tert-butyl ethe...	4.437	73	510487	90.74	UG		100
18) 1,1-Dichloroethane	4.924	63	288151	89.05	UG	#	99
19) Diisopropyl ether (DIPE)	5.016	45	482362	105.52	UG	#	100
20) cis-1,2-Dichloroethene	5.604	96	205941	99.23	UG	#	99
21) 2,2-Dichloropropane	5.594	77	231477	96.96	UG		93
22) 2-Butanone (MEK)	5.635	43	61822	99.02	UG	#	93
23) Bromochloromethane	5.879	128	133985	88.98	UG	#	99
25) Chloroform	5.970	83	375534	89.81	UG		100
26) 1,1,1-Trichloroethane	6.163	97	347533	94.62	UG	#	58
27) Carbon tetrachloride	6.346	117	342586	97.66	UG		99
28) 1,1-Dichloropropene	6.346	75	221651	98.25	UG	#	85
29) 1,2-Dichloroethane (EDC)	6.620	62	304208	90.00	UG		100
32) Benzene	6.589	78	655478	93.09	UG		100
33) Trichloroethene	7.310	95	200706	96.90	UG	#	80
34) 1,2-Dichloropropane	7.574	63	143569	95.16	UG	#	100
35) Dibromomethane	7.706	93	125102	93.53	UG		97
36) 1,4-Dioxane	7.726	88	45365	3367.25	UG	#	100
37) Bromodichloromethane	7.878	83	283411	98.05	UG	#	99
38) 2-Chloroethyl vinyl ether	8.224	63	93410	114.38	UG	#	94
39) cis-1,3-Dichloropropene	8.386	75	270062	112.94	UG	#	97
40) 4-Methyl-2-pentanone (...	8.569	43	124021	110.55	UG		97
42) Toluene	8.762	92	483303	98.01	UG		99
43) trans-1,3-Dichloropropene	9.015	75	278204	112.64	UG	#	91
44) 1,1,2-Trichloroethane	9.239	83	126936	96.52	UG		94

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0411.D
Acq On : 2 Jul 2010 15:21
Operator : XING
Sample : 100PPB,STD-100PPB,A,5mL,100
Misc :
ALS Vial : 10 Sample Multiplier: 1

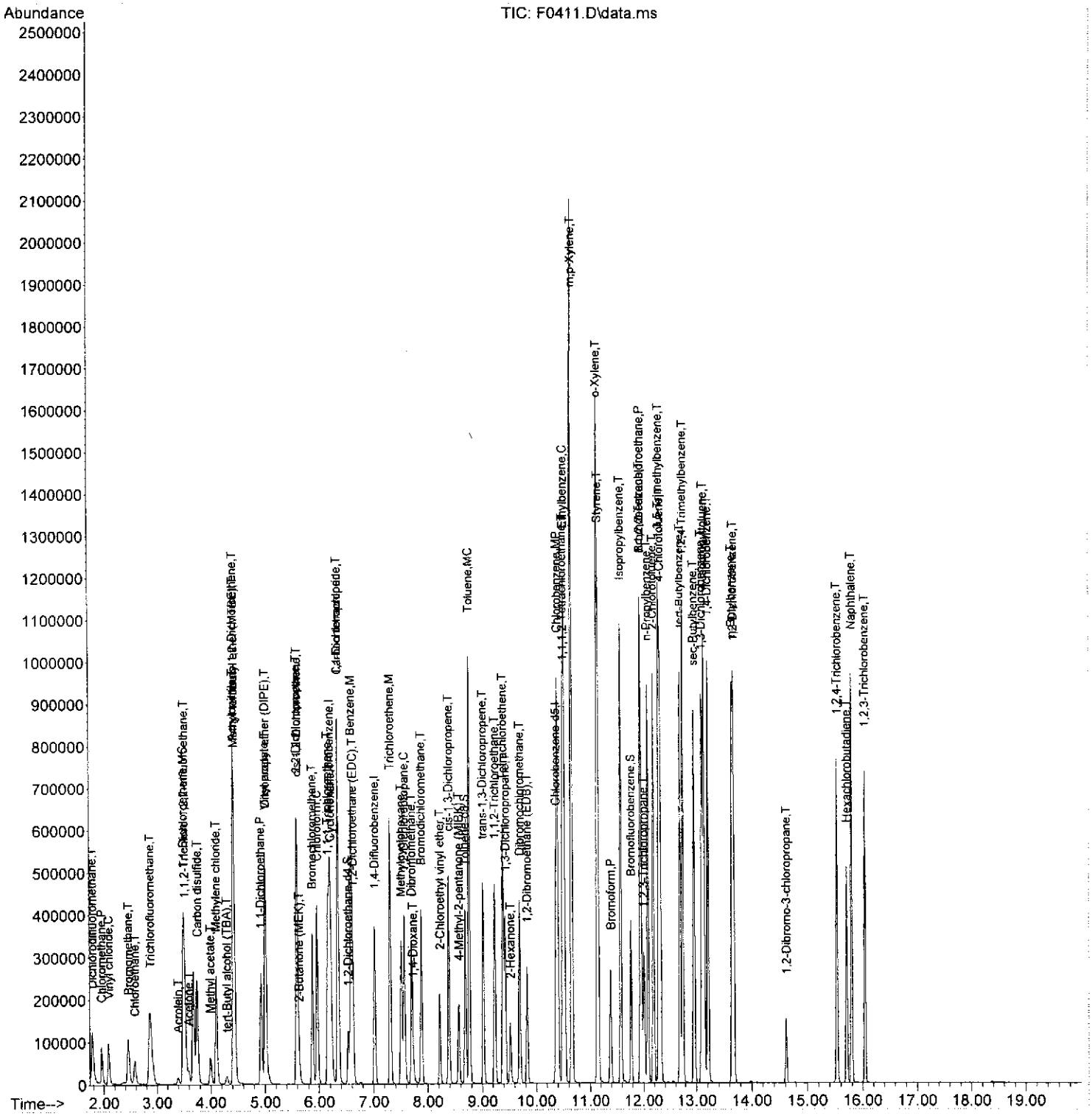
Quant Time: Jul 13 16:27:25 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Tetrachloroethene	9.391	166	202980	101.65	UG	#	99
46) 1,3-Dichloropropane	9.432	76	257636	104.36	UG		100
47) 2-Hexanone	9.523	43	89465	115.41	UG		97
48) Dibromochloromethane	9.696	129	284049	106.68	UG		100
49) 1,2-Dibromoethane (EDB)	9.828	107	194634	105.28	UG		100
51) Chlorobenzene	10.396	112	625277	91.69	UG	#	100
52) 1,1,1,2-Tetrachloroethane	10.498	131	274622	93.75	UG	#	98
53) Ethylbenzene	10.518	91	877053	104.54	UG		99
54) m,p-Xylene	10.660	106	718645	206.41	UG		92
55) o-Xylene	11.137	106	361822	112.71	UG		92
56) Styrene	11.158	104	662096	110.47	UG		95
57) Bromoform	11.391	173	151360	106.46	UG	#	100
58) Isopropylbenzene	11.574	105	849658	111.42	UG		100
60) 1,1,2,2-Tetrachloroethane	11.949	83	197503	91.87	UG		100
61) Bromobenzene	11.949	156	277147	96.91	UG	#	35
62) 1,2,3-Trichloropropane	12.000	75	139970	91.79	UG	#	100
63) n-Propylbenzene	12.071	91	839220	108.40	UG	#	98
64) 2-Chlorotoluene	12.183	91	608198m	102.99	UG		
65) 1,3,5-Trimethylbenzene	12.295	105	733661	110.94	UG		99
66) 4-Chlorotoluene	12.315	91	723615	99.60	UG	#	97
67) tert-Butylbenzene	12.690	119	636369	116.39	UG	#	100
68) 1,2,4-Trimethylbenzene	12.751	105	778758	109.90	UG		99
69) sec-Butylbenzene	12.954	105	762476	115.16	UG		99
70) 1,3-Dichlorobenzene	13.097	146	492826	96.54	UG	#	100
71) 4-Isopropyltoluene	13.137	119	756486	115.28	UG	#	99
72) 1,4-Dichlorobenzene	13.208	146	525099	96.60	UG		100
73) n-Butylbenzene	13.645	92	280393	114.81	UG	#	91
74) 1,2-Dichlorobenzene	13.675	146	499803	96.48	UG	#	100
75) 1,2-Dibromo-3-chloropr...	14.619	75	38561	104.59	UG	#	85
76) 1,2,4-Trichlorobenzene	15.533	180	222125	110.57	UG		100
77) Hexachlorobutadiene	15.706	225	88460	98.07	UG		100
78) Naphthalene	15.797	128	840522	113.59	UG		100
79) 1,2,3-Trichlorobenzene	16.041	180	214388	107.06	UG		100
80) 1,1,2-Trichloro-1,2,2-...	3.523	101	158910	97.18	UG	#	85
81) Methyl acetate	3.990	43	94285	88.75	UG	#	93
82) Cyclohexane	6.214	56	167712	94.78	UG	#	83
83) Methylcyclohexane	7.513	55	117383	115.35	UG	#	78

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

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0411.D
Acq On : 2 Jul 2010 15:21
Operator : XING
Sample : 100PPB,STD-100PPB,A,5mL,100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 16:27:25 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0413.D
Acq On : 2 Jul 2010 16:14
Operator : XING
Sample : 200PPB,STD-200PPB,A,5mL,100
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 13 16:29:20 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.193	168	243375	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.016	114	372783	50.00	UG		0.00
50) Chlorobenzene-d5	10.366	117	361305	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.528	65	108193	46.83	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 93.66%				
41) Toluene-d8	8.681	98	335034	51.49	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 102.98%				
59) Bromofluorobenzene	11.767	95	147231	50.03	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 100.06%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.777	85	332117	185.15	UG		100
3) Chloromethane	1.960	50	197491	175.19	UG		99
4) Vinyl chloride	2.092	62	250920	179.50	UG		100
5) Bromomethane	2.437	94	204909	172.56	UG	#	55
6) Chloroethane	2.569	64	148214	182.49	UG		99
7) Trichlorofluoromethane	2.864	101	597622	186.17	UG	#	37
8) Acrolein	3.392	56	30749	485.17	UG		99
9) 1,1-Dichloroethene	3.493	96	299025	185.37	UG	#	100
10) Acetone	3.595	43	79528	177.47	UG		99
11) Carbon disulfide	3.747	76	928961	187.14	UG		100
12) Vinyl acetate	5.006	43	843937	190.14	UG		100
13) Methylene chloride	4.092	84	330853	169.58	UG	#	99
14) Acrylonitrile	4.417	53	239418	459.85	UG	#	100
15) tert-Butyl alcohol (TBA)	4.295	59	58552	372.30	UG	#	100
16) trans-1,2-Dichloroethene	4.417	96	390313	173.82	UG	#	99
17) Methyl tert-butyl ethe...	4.437	73	1033306	176.84	UG		100
18) 1,1-Dichloroethane	4.924	63	599868	178.48	UG	#	99
19) Diisopropyl ether (DIPE)	5.016	45	974730	205.28	UG	#	100
20) cis-1,2-Dichloroethene	5.605	96	425659	197.46	UG	#	99
21) 2,2-Dichloropropane	5.594	77	461280	186.03	UG	#	62
22) 2-Butanone (MEK)	5.635	43	128356	197.93	UG	#	96
23) Bromochloromethane	5.879	128	280115	179.09	UG	#	100
25) Chloroform	5.970	83	777796	179.08	UG		100
26) 1,1,1-Trichloroethane	6.163	97	716886	187.91	UG	#	99
27) Carbon tetrachloride	6.346	117	712446	195.53	UG		99
28) 1,1-Dichloropropene	6.346	75	455459	194.37	UG	#	96
29) 1,2-Dichloroethane (EDC)	6.620	62	622545	177.32	UG		100
32) Benzene	6.589	78	1336934	180.89	UG		100
33) Trichloroethene	7.310	95	427486	196.62	UG	#	82
34) 1,2-Dichloropropane	7.574	63	297226	187.68	UG	#	100
35) Dibromomethane	7.706	93	259099	184.55	UG		96
36) 1,4-Dioxane	7.737	88	82578	5839.50	UG	#	100
37) Bromodichloromethane	7.879	83	601082	198.11	UG	#	100
38) 2-Chloroethyl vinyl ether	8.214	63	194482	226.88	UG	#	94
39) cis-1,3-Dichloropropene	8.386	75	568341	226.43	UG	#	97
40) 4-Methyl-2-pentanone (...	8.569	43	262391	222.83	UG		97
42) Toluene	8.762	92	981881	189.70	UG		99
43) trans-1,3-Dichloropropene	9.016	75	581485	224.29	UG	#	91
44) 1,1,2-Trichloroethane	9.239	83	258354	187.15	UG		94

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0413.D
Acq On : 2 Jul 2010 16:14
Operator : XING
Sample : 200PPB,STD-200PPB,A,5mL,100
Misc :
ALS Vial : 12 Sample Multiplier: 1

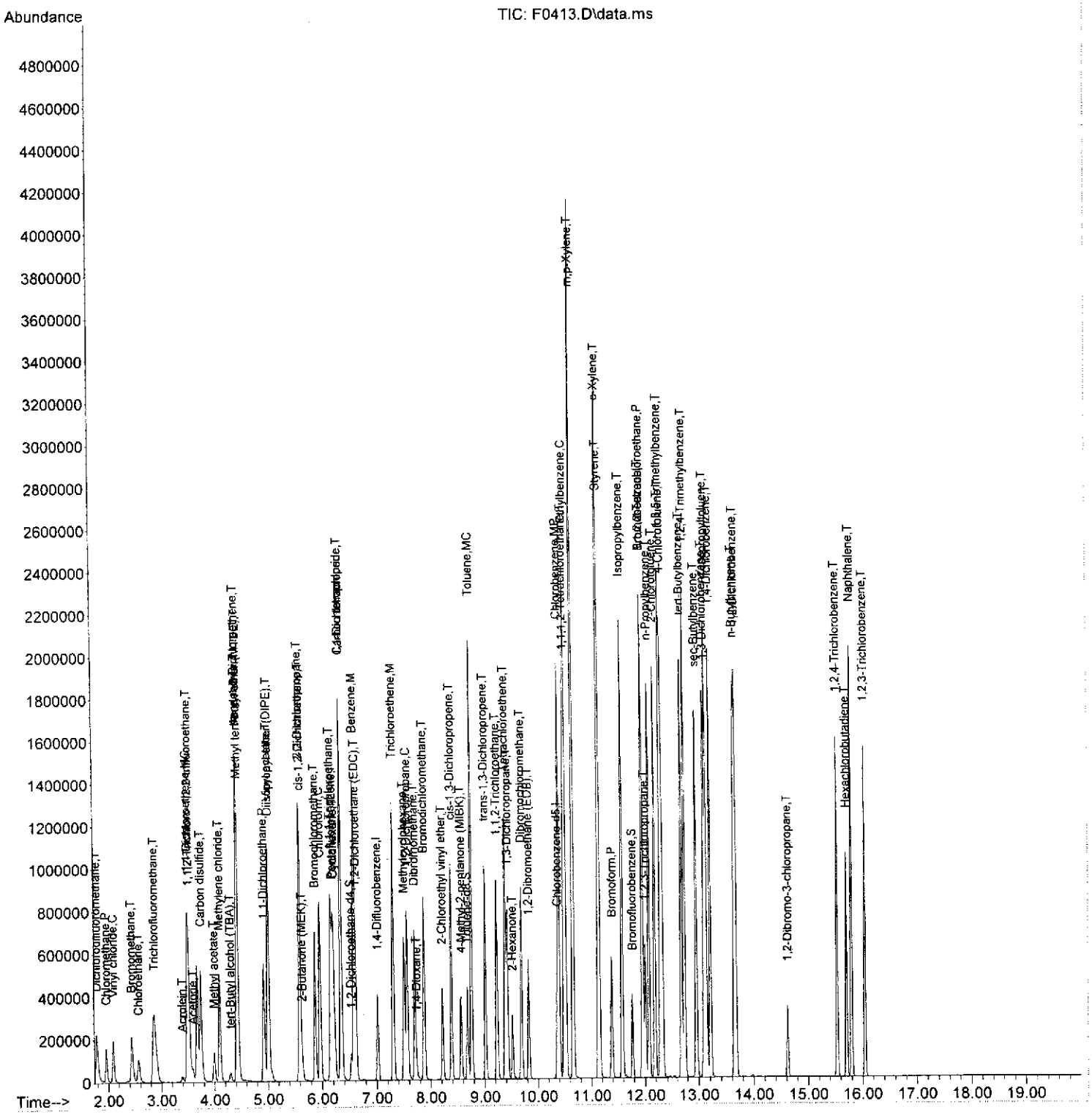
Quant Time: Jul 13 16:29:20 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Tetrachloroethene	9.391	166	417577	199.22	UG	#	99
46) 1,3-Dichloropropane	9.432	76	525174	202.66	UG		100
47) 2-Hexanone	9.523	43	186991	229.81	UG		96
48) Dibromochloromethane	9.696	129	596926	213.59	UG		100
49) 1,2-Dibromoethane (EDB)	9.828	107	402352	207.34	UG		100
51) Chlorobenzene	10.396	112	1265366	177.60	UG	#	100
52) 1,1,1,2-Tetrachloroethane	10.498	131	567914	185.56	UG	#	98
53) Ethylbenzene	10.518	91	1775585	202.57	UG		99
54) m,p-Xylene	10.660	106	1423912	391.45	UG		93
55) o-Xylene	11.137	106	730706	217.87	UG		93
56) Styrene	11.158	104	1329001	212.24	UG		96
57) Bromoform	11.391	173	325964	219.44	UG	#	100
58) Isopropylbenzene	11.574	105	1739878	218.40	UG		100
60) 1,1,2,2-Tetrachloroethane	11.950	83	392848	174.91	UG		99
61) Bromobenzene	11.950	156	566496	189.60	UG	#	35
62) 1,2,3-Trichloropropane	12.000	75	285037	178.91	UG	#	100
63) n-Propylbenzene	12.071	91	1705621	210.87	UG	#	91
64) 2-Chlorotoluene	12.183	91	1227555m	198.97	UG		
65) 1,3,5-Trimethylbenzene	12.295	105	1487200	215.26	UG		99
66) 4-Chlorotoluene	12.315	91	1456780	191.92	UG	#	97
67) tert-Butylbenzene	12.691	119	1292512	226.28	UG	#	100
68) 1,2,4-Trimethylbenzene	12.752	105	1579535	213.37	UG		99
69) sec-Butylbenzene	12.965	105	1534866	221.89	UG		99
70) 1,3-Dichlorobenzene	13.107	146	994863	186.54	UG	#	100
71) 4-Isopropyltoluene	13.137	119	1521871	221.98	UG	#	99
72) 1,4-Dichlorobenzene	13.208	146	1053198	185.45	UG		100
73) n-Butylbenzene	13.645	92	569552	223.23	UG	#	91
74) 1,2-Dichlorobenzene	13.675	146	998981	184.59	UG	#	100
75) 1,2-Dibromo-3-chloropr...	14.619	75	85543	222.08	UG	#	82
76) 1,2,4-Trichlorobenzene	15.533	180	479384	228.40	UG		100
77) Hexachlorobutadiene	15.706	225	184426	195.70	UG		100
78) Naphthalene	15.797	128	1768829	228.81	UG		100
79) 1,2,3-Trichlorobenzene	16.041	180	454002	217.02	UG		100
80) 1,1,2-Trichloro-1,2,2-...	3.513	101	318523	186.45	UG	#	85
81) Methyl acetate	3.990	43	195328	175.98	UG	#	97
82) Cyclohexane	6.214	56	336577	182.07	UG	#	83
83) Methylcyclohexane	7.513	55	239350	225.13	UG	#	77

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

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0413.D
Acq On : 2 Jul 2010 16:14
Operator : XING
Sample : 200PPB,STD-200PPB,A,5mL,100
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 13 16:29:20 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0417.D
Acq On : 2 Jul 2010 18:05
Operator : XING
Sample : 1PPB,STD-1PPB,A,5ml,100
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 13 16:36:23 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.203	168	192156	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.026	114	316031	50.00	UG		0.00
50) Chlorobenzene-d5	10.366	117	279638	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.528	65	98483	53.98	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 107.96%				
41) Toluene-d8	8.691	98	259848	47.11	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.22%				
59) Bromofluorobenzene	11.767	95	110523	48.52	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 97.04%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.787	85	1693	1.20	UG		99
3) Chloromethane	1.960	50	1055m	1.19	UG		
4) Vinyl chloride	2.082	62	1392	1.26	UG	#	96
5) Bromomethane	2.468	94	1098m	1.17	UG		
6) Chloroethane	2.589	64	839	1.31	UG		99
7) Trichlorofluoromethane	2.863	101	3034	1.20	UG	#	38
8) Acrolein	3.402	56	950	18.99	UG	#	66
9) 1,1-Dichloroethene	3.503	96	1621	1.27	UG	#	100
11) Carbon disulfide	3.757	76	4980	1.27	UG		100
12) Vinyl acetate	5.016	43	3831	1.09	UG	#	99
14) Acrylonitrile	4.427	53	8207	19.96	UG	#	100
15) tert-Butyl alcohol (TBA)	4.285	59	287m	2.31	UG		
16) trans-1,2-Dichloroethene	4.427	96	2178m	1.23	UG		
17) Methyl tert-butyl ethe...	4.437	73	5384	1.17	UG		100
18) 1,1-Dichloroethane	4.924	63	3421	1.29	UG		99
19) Diisopropyl ether (DIPE)	5.016	45	3524	0.94	UG	#	100
20) cis-1,2-Dichloroethene	5.604	96	1816	1.07	UG	#	95
21) 2,2-Dichloropropane	5.594	77	2144	1.10	UG		95
22) 2-Butanone (MEK)	5.645	43	484	0.95	UG		100
23) Bromochloromethane	5.879	128	1595	1.29	UG	#	96
25) Chloroform	5.970	83	4240m	1.24	UG		
26) 1,1,1-Trichloroethane	6.163	97	3509	1.16	UG	#	58
27) Carbon tetrachloride	6.346	117	3236	1.12	UG		99
28) 1,1-Dichloropropene	6.346	75	2189	1.18	UG	#	85
29) 1,2-Dichloroethane (EDC)	6.620	62	3487m	1.26	UG		
32) Benzene	6.589	78	7725	1.23	UG		100
33) Trichloroethene	7.310	95	2238	1.21	UG	#	80
34) 1,2-Dichloropropane	7.574	63	1520	1.13	UG	#	99
35) Dibromomethane	7.706	93	1374	1.15	UG		95
36) 1,4-Dioxane	7.736	88	1411	117.70	UG	#	100
37) Bromodichloromethane	7.878	83	2846	1.11	UG	#	99
38) 2-Chloroethyl vinyl ether	8.213	63	708m	0.97	UG		
39) cis-1,3-Dichloropropene	8.386	75	1723	0.81	UG	#	97
40) 4-Methyl-2-pentanone (...	8.559	43	967m	0.97	UG		
42) Toluene	8.762	92	4982	1.14	UG		99
43) trans-1,3-Dichloropropene	9.026	75	1922	0.87	UG		98
44) 1,1,2-Trichloroethane	9.239	83	1406	1.20	UG		95
45) Tetrachloroethene	9.391	166	2238	1.26	UG	#	97
46) 1,3-Dichloropropane	9.432	76	2290	1.04	UG		99

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0417.D
Acq On : 2 Jul 2010 18:05
Operator : XING
Sample : 1PPB,STD-1PPB,A,5ml,100
Misc :
ALS Vial : 12 Sample Multiplier: 1

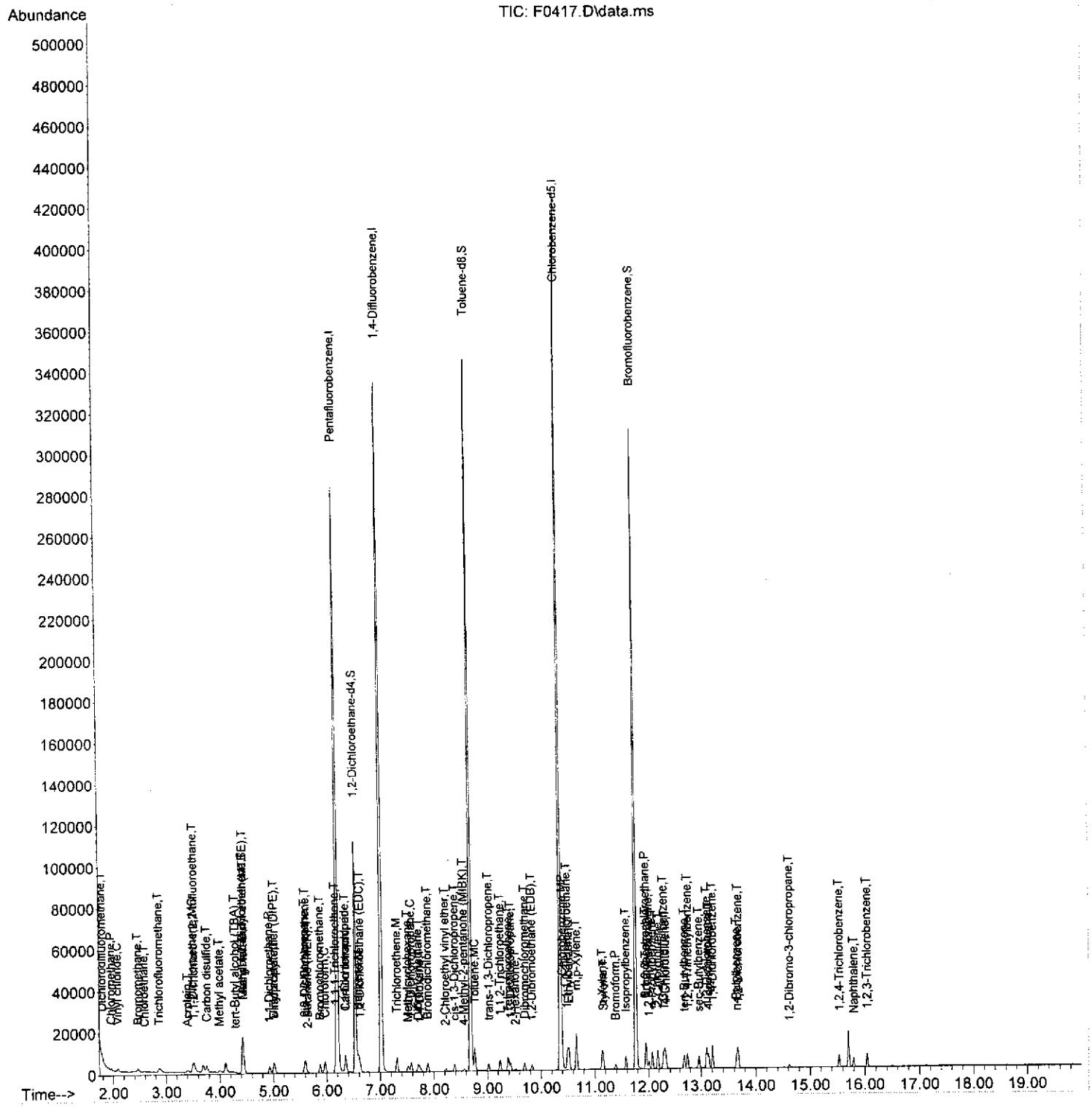
Quant Time: Jul 13 16:36:23 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Hexanone	9.523	43	527m	0.76	UG		
48) Dibromochloromethane	9.696	129	2493	1.05	UG		100
49) 1,2-Dibromoethane (EDB)	9.828	107	1751	1.06	UG		99
51) Chlorobenzene	10.396	112	6698m	1.21	UG		
52) 1,1,1,2-Tetrachloroethane	10.487	131	2917	1.23	UG	#	98
53) Ethylbenzene	10.518	91	7245	1.07	UG		99
54) m,p-Xylene	10.660	106	5816	2.07	UG		89
55) o-Xylene	11.137	106	2281	0.88	UG		90
56) Styrene	11.158	104	3795	0.78	UG		95
57) Bromoform	11.381	173	1219	1.06	UG	#	100
58) Isopropylbenzene	11.574	105	4464	0.72	UG		100
60) 1,1,2,2-Tetrachloroethane	11.949	83	2245	1.29	UG		100
61) Bromobenzene	11.949	156	2780	1.20	UG	#	34
62) 1,2,3-Trichloropropane	12.000	75	1474	1.20	UG	#	100
63) n-Propylbenzene	12.071	91	6530	1.04	UG		98
64) 2-Chlorotoluene	12.183	91	5319m	1.11	UG		
65) 1,3,5-Trimethylbenzene	12.284	105	5013	0.94	UG		98
66) 4-Chlorotoluene	12.315	91	6635	1.13	UG	#	96
67) tert-Butylbenzene	12.690	119	3575	0.81	UG	#	100
68) 1,2,4-Trimethylbenzene	12.751	105	4712	0.82	UG		98
69) sec-Butylbenzene	12.954	105	4698	0.88	UG	#	93
70) 1,3-Dichlorobenzene	13.107	146	5258m	1.27	UG		
71) 4-Isopropyltoluene	13.137	119	4383	0.83	UG	#	100
72) 1,4-Dichlorobenzene	13.208	146	5699	1.30	UG		99
73) n-Butylbenzene	13.645	92	1687	0.85	UG	#	89
74) 1,2-Dichlorobenzene	13.675	146	5046	1.20	UG	#	99
75) 1,2-Dibromo-3-chloropr...	14.619	75	357	1.20	UG		95
76) 1,2,4-Trichlorobenzene	15.533	180	1911	1.18	UG		98
78) Naphthalene	15.797	128	5642m	0.94	UG		
79) 1,2,3-Trichlorobenzene	16.041	180	1911	1.18	UG		98
80) 1,1,2-Trichloro-1,2,2-...	3.523	101	1652	1.25	UG	#	81
81) Methyl acetate	3.990	43	1014m	1.18	UG		
83) Methylcyclohexane	7.513	55	755	0.92	UG	#	83

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

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0417.D
Acq On : 2 Jul 2010 18:05
Operator : XING
Sample : 1PPB,STD-1PPB,A,5ml,100
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 13 16:36:23 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0418.D
Acq On : 2 Jul 2010 18:31
Operator : XING
Sample : 2PPB,STD-2PPB,A,5ml,100
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 13 16:41:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.204	168	196973	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.026	114	319419	50.00	UG		0.00
50) Chlorobenzene-d5	10.366	117	290053	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.528	65	99774	53.35	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 106.70%				
41) Toluene-d8	8.681	98	271480	48.69	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 97.38%				
59) Bromofluorobenzene	11.767	95	116862	49.46	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 98.92%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.787	85	3712	2.56	UG		98
3) Chloromethane	1.960	50	2266	2.48	UG		100
4) Vinyl chloride	2.092	62	2907	2.57	UG		99
5) Bromomethane	2.468	94	2261m	2.35	UG		
6) Chloroethane	2.589	64	1547	2.35	UG		97
7) Trichlorofluoromethane	2.884	101	6437m	2.48	UG		
8) Acrolein	3.402	56	2718	52.99	UG		97
9) 1,1-Dichloroethene	3.503	96	3044m	2.33	UG		
10) Acetone	3.605	43	919m	2.53	UG		
11) Carbon disulfide	3.757	76	9058	2.25	UG		100
12) Vinyl acetate	5.006	43	7170	2.00	UG	#	100
13) Methylene chloride	4.102	84	3980m	2.52	UG		
14) Acrylonitrile	4.427	53	22805	54.12	UG	#	100
15) tert-Butyl alcohol (TBA)	4.295	59	548	4.31	UG	#	100
16) trans-1,2-Dichloroethene	4.427	96	4668	2.57	UG	#	100
17) Methyl tert-butyl ethe...	4.437	73	10345	2.19	UG		100
18) 1,1-Dichloroethane	4.924	63	6351	2.33	UG		99
19) Diisopropyl ether (DIPE)	5.016	45	6781	1.76	UG	#	100
20) cis-1,2-Dichloroethene	5.605	96	3417	1.96	UG	#	97
21) 2,2-Dichloropropane	5.594	77	4254	2.12	UG		97
22) 2-Butanone (MEK)	5.645	43	1094	2.08	UG		100
23) Bromochloromethane	5.879	128	3007	2.38	UG	#	98
25) Chloroform	5.970	83	8306	2.36	UG		99
26) 1,1,1-Trichloroethane	6.163	97	6792	2.20	UG	#	58
27) Carbon tetrachloride	6.346	117	6806	2.31	UG		99
28) 1,1-Dichloropropene	6.346	75	4064	2.14	UG	#	85
29) 1,2-Dichloroethane (EDC)	6.620	62	6710	2.36	UG		99
32) Benzene	6.589	78	14007	2.21	UG		100
33) Trichloroethene	7.310	95	3790	2.03	UG	#	81
34) 1,2-Dichloropropane	7.574	63	2849	2.10	UG	#	99
35) Dibromomethane	7.706	93	2641	2.20	UG		96
36) 1,4-Dioxane	7.736	88	4131	340.93	UG	#	100
37) Bromodichloromethane	7.879	83	5256	2.02	UG	#	99
38) 2-Chloroethyl vinyl ether	8.224	63	1204m	1.64	UG		
39) cis-1,3-Dichloropropene	8.386	75	3384	1.57	UG	#	97
40) 4-Methyl-2-pentanone (...	8.569	43	2037m	2.02	UG		
42) Toluene	8.762	92	9292	2.10	UG		100
43) trans-1,3-Dichloropropene	9.026	75	3537	1.59	UG	#	98
44) 1,1,2-Trichloroethane	9.229	83	2456	2.08	UG		94

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0418.D
Acq On : 2 Jul 2010 18:31
Operator : XING
Sample : 2PPB,STD-2PPB,A,5ml,100
Misc :
ALS Vial : 13 Sample Multiplier: 1

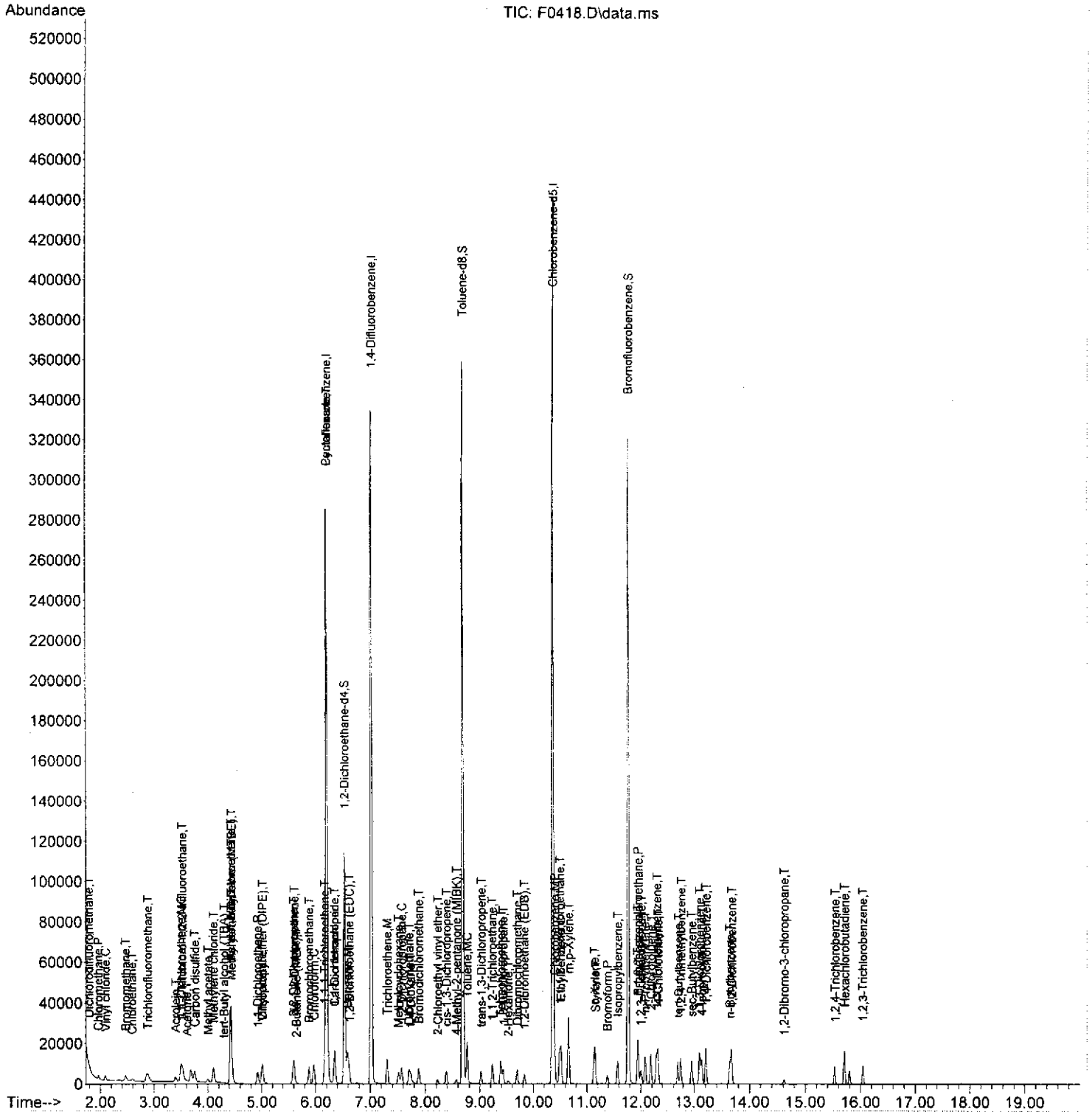
Quant Time: Jul 13 16:41:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Tetrachloroethene	9.391	166	3711	2.07	UG	#	100
46) 1,3-Dichloropropane	9.432	76	4220	1.90	UG		100
47) 2-Hexanone	9.523	43	1106m	1.59	UG		
48) Dibromochloromethane	9.696	129	4443	1.86	UG		100
49) 1,2-Dibromoethane (EDB)	9.828	107	3164	1.90	UG		99
51) Chlorobenzene	10.396	112	13312	2.33	UG	#	99
52) 1,1,1,2-Tetrachloroethane	10.498	131	5011	2.04	UG	#	96
53) Ethylbenzene	10.518	91	12687	1.80	UG		99
54) m,p-Xylene	10.660	106	10589	3.63	UG		93
55) o-Xylene	11.137	106	4716m	1.75	UG		
56) Styrene	11.158	104	7440	1.48	UG		94
57) Bromoform	11.381	173	2159	1.81	UG	#	99
58) Isopropylbenzene	11.574	105	10664m	1.67	UG		
60) 1,1,2,2-Tetrachloroethane	11.949	83	3964	2.20	UG		99
61) Bromobenzene	11.949	156	4872	2.03	UG	#	35
62) 1,2,3-Trichloropropane	12.000	75	2915	2.28	UG	#	100
63) n-Propylbenzene	12.071	91	11101	1.71	UG	#	91
64) 2-Chlorotoluene	12.183	91	8843m	1.79	UG		
65) 1,3,5-Trimethylbenzene	12.295	105	8552	1.54	UG		98
66) 4-Chlorotoluene	12.315	91	11227	1.84	UG	#	96
67) tert-Butylbenzene	12.691	119	7343m	1.60	UG		
68) 1,2,4-Trimethylbenzene	12.751	105	8382m	1.41	UG		
69) sec-Butylbenzene	12.954	105	8297	1.49	UG	#	93
70) 1,3-Dichlorobenzene	13.097	146	8513	1.99	UG	#	99
71) 4-Isopropyltoluene	13.137	119	8853m	1.61	UG		
72) 1,4-Dichlorobenzene	13.208	146	8753	1.92	UG		98
73) n-Butylbenzene	13.645	92	3106m	1.52	UG		
74) 1,2-Dichlorobenzene	13.675	146	8603	1.98	UG	#	99
75) 1,2-Dibromo-3-chloropr...	14.619	75	545	1.76	UG	#	88
76) 1,2,4-Trichlorobenzene	15.533	180	2575	1.53	UG		98
77) Hexachlorobutadiene	15.706	225	1707m	2.26	UG		
79) 1,2,3-Trichlorobenzene	16.041	180	2837	1.69	UG		96
80) 1,1,2-Trichloro-1,2,2-...	3.523	101	3268m	2.38	UG		
81) Methyl acetate	4.001	43	2139m	2.40	UG		
82) Cyclohexane	6.204	56	3713m	2.50	UG		
83) Methylcyclohexane	7.513	55	1568	1.84	UG	#	46

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

Data Path : C:\msdchem\1\DATA\07-02-10\
Data File : F0418.D
Acq On : 2 Jul 2010 18:31
Operator : XING
Sample : 2PPB,STD-2PPB,A,5ml,100
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 13 16:41:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0604.D
Acq On : 13 Jul 2010 10:25
Operator : XING
Sample : 100PPB,STD-100PPB,A,5mL,100
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 13 11:56:54 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	81	0.00
2	T	Dichlorodifluoromethane	0.369	0.385	-4.3	85	0.00
3	P	Chloromethane	0.232	0.221	4.7	85	0.00
4	C	Vinyl chloride	0.287	0.273	4.9	81	0.00
5	T	Bromomethane	0.244	0.242	0.8	86	0.01
6	T	Chloroethane	0.167	0.166	0.6	86	0.00
7	T	Trichlorofluoromethane	0.659	0.729	-10.6	92	0.00
8	T	Acrolein	0.013	0.014	-7.7	89	0.00
9	MC	1,1-Dichloroethene	0.331	0.318	3.9	84	0.00
10	T	Acetone	0.092	0.081	12.0	81	0.00
11	T	Carbon disulfide	1.020	0.994	2.5	84	0.00
12	T	Vinyl acetate	0.912	0.926	-1.5	84	0.00
13	T	Methylene chloride	0.401	0.357	11.0	85	0.00
14	T	Acrylonitrile	0.107	0.107	0.0	84	0.01
15	T	tert-Butyl alcohol (TBA)	0.032	0.029	9.4	82	0.00
16	T	trans-1,2-Dichloroethene	0.461	0.437	5.2	85	0.00
17	T	Methyl tert-butyl ether (MT	1.200	1.156	3.7	86	0.00
18	P	1,1-Dichloroethane	0.691	0.641	7.2	84	0.01
19	T	Diisopropyl ether (DIPE)	0.976	1.077	-10.3	85	0.00
20	T	cis-1,2-Dichloroethene	0.443	0.460	-3.8	85	0.00
21	T	2,2-Dichloropropane	0.509	0.556	-9.2	91	0.00
22	T	2-Butanone (MEK)	0.133	0.128	3.8	79	0.01
23	T	Bromochloromethane	0.321	0.301	6.2	85	0.00
25	C	Chloroform	0.892	0.852	4.5	86	0.00
26	T	1,1,1-Trichloroethane	0.784	0.816	-4.1	89	0.00
27	T	Carbon tetrachloride	0.749	0.809	-8.0	90	0.00
28	T	1,1-Dichloropropene	0.481	0.492	-2.3	84	0.01
29	T	1,2-Dichloroethane (EDC)	0.721	0.694	3.7	87	0.00
30	S	1,2-Dichloroethane-d4	0.475	0.451	5.1	81	0.01
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
32	M	Benzene	0.991	0.945	4.6	84	0.00
33	M	Trichloroethene	0.292	0.295	-1.0	85	0.00
34	C	1,2-Dichloropropane	0.212	0.210	0.9	85	0.00
35	T	Dibromomethane	0.188	0.184	2.1	85	0.00
36	T	1,4-Dioxane	0.002	0.002	0.0	73	0.01
37	T	Bromodichloromethane	0.407	0.424	-4.2	87	0.00
38	T	2-Chloroethyl vinyl ether	0.115	0.128	-11.3	79	0.00
39	T	cis-1,3-Dichloropropene	0.337	0.392	-16.3	84	0.00
40	T	4-Methyl-2-pentanone (MIBK)	0.158	0.172	-8.9	80	0.00
41	S	Toluene-d8	0.873	0.936	-7.2	84	0.01
42	MC	Toluene	0.694	0.705	-1.6	85	0.00
43	T	trans-1,3-Dichloropropene	0.348	0.403	-15.8	84	0.01
44	T	1,1,2-Trichloroethane	0.185	0.180	2.7	82	0.00
45	T	Tetrachloroethene	0.281	0.300	-6.8	86	0.00
46	T	1,3-Dichloropropane	0.348	0.374	-7.5	84	0.00

47	T	2-Hexanone	0.109	0.119	-9.2	77	0.00
48	T	Dibromochloromethane	0.375	0.420	-12.0	86	0.00
49	T	1,2-Dibromoethane (EDB)	0.260	0.278	-6.9	83	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
51	MP	Chlorobenzene	0.986	0.880	10.8	86	0.00
52	T	1,1,1,2-Tetrachloroethane	0.424	0.399	5.9	89	0.00
53	C	Ethylbenzene	1.213	1.227	-1.2	86	0.00
54	T	m,p-Xylene	0.503	0.504	-0.2	86	0.00
55	T	o-Xylene	0.464	0.515	-11.0	87	0.00
56	T	Styrene	0.867	0.934	-7.7	87	0.00
57	P	Bromoform	0.206	0.211	-2.4	85	0.00
58	T	Isopropylbenzene	1.102	1.211	-9.9	88	0.00
59	S	Bromofluorobenzene	0.407	0.430	-5.7	92	0.00
60	P	1,1,2,2-Tetrachloroethane	0.311	0.302	2.9	94	0.00
61	T	Bromobenzene	0.413	0.395	4.4	88	0.00
62	T	1,2,3-Trichloropropane	0.220	0.197	10.5	86	0.00
63	T	n-Propylbenzene	1.119	1.201	-7.3	88	0.00
64	T	2-Chlorotoluene	0.854	0.861	-0.8	87	0.00
65	T	1,3,5-Trimethylbenzene	0.956	1.067	-11.6	89	0.00
66	T	4-Chlorotoluene	1.050	1.034	1.5	88	0.00
67	T	tert-Butylbenzene	0.790	0.911	-15.3	88	0.00
68	T	1,2,4-Trimethylbenzene	1.024	1.137	-11.0	90	0.00
69	T	sec-Butylbenzene	0.957	1.098	-14.7	88	0.00
70	T	1,3-Dichlorobenzene	0.738	0.705	4.5	88	-0.01
71	T	4-Isopropyltoluene	0.949	1.105	-16.4	90	0.00
72	T	1,4-Dichlorobenzene	0.786	0.748	4.8	87	0.00
73	T	n-Butylbenzene	0.353	0.399	-13.0	88	0.00
74	T	1,2-Dichlorobenzene	0.749	0.724	3.3	89	0.00
75	T	1,2-Dibromo-3-chloropropane	0.053	0.054	-1.9	86	0.00
76	T	1,2,4-Trichlorobenzene	0.290	0.322	-11.0	89	0.00
77	T	Hexachlorobutadiene	0.130	0.130	0.0	90	0.00
78	T	Naphthalene	1.070	1.197	-11.9	87	0.00
79	T	1,2,3-Trichlorobenzene	0.290	0.315	-8.6	90	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.236	0.225	4.7	87	0.00
81	T	Methyl acetate	0.154	0.131	14.9	85	0.01
82	T	Cyclohexane	0.256	0.230	10.2	84	0.00
83	T	Methylcyclohexane	0.147	0.166	-12.9	87	0.00

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

FAM0702.M Tue Jul 13 11:56:58 2010 RP1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0604.D
Acq On : 13 Jul 2010 10:25
Operator : XING
Sample : 100PPB,STD-100PPB,A,5mL,100
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 13 11:56:54 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.204	168	190029	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.026	114	289736	50.00	UG		0.00
50) Chlorobenzene-d5	10.366	117	307100	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.539	65	85693	47.50	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 95.00%				
41) Toluene-d8	8.691	98	271086	53.60	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 107.20%				
59) Bromofluorobenzene	11.767	95	132068	52.80	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 105.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.788	85	146158	104.36	UG		100
3) Chloromethane	1.960	50	83894	95.31	UG		99
4) Vinyl chloride	2.092	62	103932	95.22	UG		99
5) Bromomethane	2.458	94	92053	99.28	UG	#	55
6) Chloroethane	2.579	64	62909	99.20	UG		99
7) Trichlorofluoromethane	2.874	101	277089	110.55	UG	#	36
8) Acrolein	3.402	56	15748m	318.23	UG		
9) 1,1-Dichloroethene	3.503	96	120885	95.97	UG	#	100
10) Acetone	3.595	43	30705	87.75	UG		99
11) Carbon disulfide	3.757	76	377921	97.51	UG		100
12) Vinyl acetate	5.006	43	351869	101.53	UG		100
13) Methylene chloride	4.102	84	135812	89.15	UG	#	100
14) Acrylonitrile	4.427	53	122316	300.88	UG	#	100
15) tert-Butyl alcohol (TBA)	4.295	59	21979	178.98	UG	#	100
16) trans-1,2-Dichloroethene	4.427	96	166066	94.72	UG	#	99
17) Methyl tert-butyl ethe...	4.437	73	439454	96.32	UG		100
18) 1,1-Dichloroethane	4.935	63	243433	92.76	UG	#	97
19) Diisopropyl ether (DIPE)	5.016	45	409296	110.40	UG	#	100
20) cis-1,2-Dichloroethene	5.605	96	174667	103.77	UG	#	99
21) 2,2-Dichloropropane	5.594	77	211168	109.07	UG		96
22) 2-Butanone (MEK)	5.645	43	48704	96.19	UG	#	96
23) Bromochloromethane	5.879	128	114449	93.72	UG	#	99
25) Chloroform	5.970	83	323943	95.52	UG		100
26) 1,1,1-Trichloroethane	6.163	97	310159	104.12	UG	#	58
27) Carbon tetrachloride	6.346	117	307322	108.02	UG		99
28) 1,1-Dichloropropene	6.356	75	187112	102.27	UG	#	85
29) 1,2-Dichloroethane (EDC)	6.620	62	263828	96.24	UG		100
32) Benzene	6.589	78	547711	95.35	UG		100
33) Trichloroethene	7.310	95	170884	101.13	UG	#	81
34) 1,2-Dichloropropane	7.574	63	121968	99.09	UG	#	100
35) Dibromomethane	7.706	93	106658	97.75	UG		96
36) 1,4-Dioxane	7.736	88	33082	3009.93	UG	#	100
37) Bromodichloromethane	7.879	83	245472	104.09	UG	#	99
38) 2-Chloroethyl vinyl ether	8.224	63	74089	111.20	UG	#	94
39) cis-1,3-Dichloropropene	8.386	75	227383	116.56	UG	#	97
40) 4-Methyl-2-pentanone (...	8.569	43	99695	108.93	UG		97
42) Toluene	8.762	92	408648	101.58	UG		99
43) trans-1,3-Dichloropropene	9.026	75	233658	115.96	UG	#	98
44) 1,1,2-Trichloroethane	9.239	83	104542	97.44	UG		93

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0604.D
Acq On : 13 Jul 2010 10:25
Operator : XING
Sample : 100PPB,STD-100PPB,A,5mL,100
Misc :
ALS Vial : 2 Sample Multiplier: 1

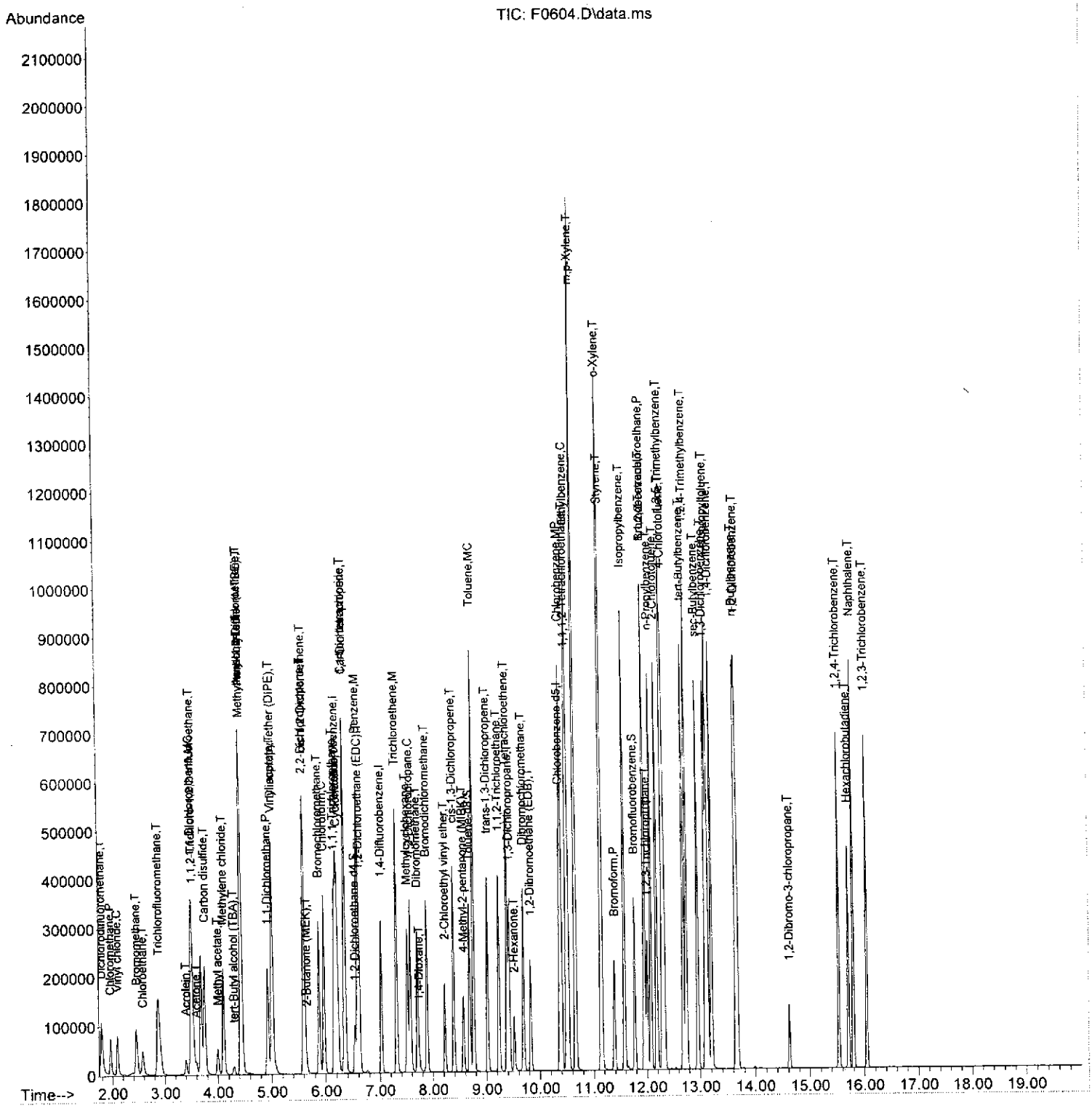
Quant Time: Jul 13 11:56:54 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Tetrachloroethene	9.391	166	173788	106.68	UG	#	99
46) 1,3-Dichloropropane	9.432	76	216521	107.50	UG		100
47) 2-Hexanone	9.523	43	68788	108.77	UG		97
48) Dibromochloromethane	9.696	129	243303	112.01	UG		100
49) 1,2-Dibromoethane (EDB)	9.828	107	161356	106.98	UG		100
51) Chlorobenzene	10.396	112	540470	89.25	UG	#	100
52) 1,1,1,2-Tetrachloroethane	10.498	131	244860	94.13	UG	#	98
53) Ethylbenzene	10.518	91	753598	101.15	UG		99
54) m,p-Xylene	10.660	106	619391	200.34	UG		92
55) o-Xylene	11.137	106	316571	111.05	UG		92
56) Styrene	11.158	104	573666	107.78	UG		96
57) Bromoform	11.391	173	129382	102.48	UG	#	100
58) Isopropylbenzene	11.574	105	743851	109.85	UG		100
60) 1,1,2,2-Tetrachloroethane	11.949	83	185570m	97.21	UG		
61) Bromobenzene	11.949	156	242809	95.61	UG	#	51
62) 1,2,3-Trichloropropane	12.000	75	120810	89.21	UG	#	100
63) n-Propylbenzene	12.071	91	737825	107.32	UG	#	91
64) 2-Chlorotoluene	12.183	91	528573m	100.80	UG		
65) 1,3,5-Trimethylbenzene	12.295	105	655200	111.58	UG		99
66) 4-Chlorotoluene	12.315	91	635000	98.42	UG	#	97
67) tert-Butylbenzene	12.691	119	559767	115.29	UG	#	100
68) 1,2,4-Trimethylbenzene	12.751	105	698463	111.00	UG		99
69) sec-Butylbenzene	12.955	105	674621	114.74	UG	#	93
70) 1,3-Dichlorobenzene	13.097	146	432809	95.48	UG	#	100
71) 4-Isopropyltoluene	13.137	119	678876	116.50	UG	#	99
72) 1,4-Dichlorobenzene	13.208	146	459347	95.16	UG		100
73) n-Butylbenzene	13.645	92	245344	113.13	UG	#	91
74) 1,2-Dichlorobenzene	13.675	146	444645	96.66	UG	#	100
75) 1,2-Dibromo-3-chloropr...	14.619	75	33077	101.03	UG	#	84
76) 1,2,4-Trichlorobenzene	15.533	180	197601	110.76	UG		100
77) Hexachlorobutadiene	15.706	225	80050	99.93	UG		100
78) Naphthalene	15.797	128	735174	111.88	UG		100
79) 1,2,3-Trichlorobenzene	16.041	180	193648	108.90	UG		100
80) 1,1,2-Trichloro-1,2,2-...	3.523	101	138238	95.20	UG	#	85
81) Methyl acetate	4.001	43	80424m	85.25	UG		
82) Cyclohexane	6.214	56	141485	90.05	UG	#	66
83) Methylcyclohexane	7.513	55	101824	112.68	UG	#	79

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

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0604.D
Acq On : 13 Jul 2010 10:25
Operator : XING
Sample : 100PPB,STD-100PPB,A,5mL,100
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 13 11:56:54 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 07/13/2010

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	F0607.D	117	92	93
06674-004	AQUEOUS	F0608.D	126	91	93
06674-005	AQUEOUS	F0609.D	122	94	93
BLK-SPK	AQUEOUS	F0610.D	101	109	106
06728-005MS	AQUEOUS	F0611.D	111	94	93
06728-005MSD	AQUEOUS	F0612.D	114	94	92
06728-001	AQUEOUS	F0613.D	119	94	91
06728-002	AQUEOUS	F0614.D	119	94	92
06728-003	AQUEOUS	F0615.D	117	94	92
06728-004	AQUEOUS	F0616.D	121	95	95
06728-005	AQUEOUS	F0617.D	113	94	92
06728-006	AQUEOUS	F0618.D	119	96	92
06728-007	AQUEOUS	F0619.D	120	97	92
06728-008	AQUEOUS	F0620.D	121	96	91
06728-009	AQUEOUS	F0621.D	119	94	92
06728-010	AQUEOUS	F0622.D	120	93	92
06728-011	AQUEOUS	F0623.D	122	94	93
06462-003	AQUEOUS	F0624.D	120	94	92
06462-004	AQUEOUS	F0625.D	123	94	90
06662-001	AQUEOUS	F0627.D	104	95	99

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	76-138	39-165
SMC2 = Toluene-d8	50 ppb	66-119	45-162
SMC3 = Bromofluorobenzene	50 ppb	43-136	40-152

Column to be used to flag recovery values

AQUEOUS VOLATILE LABORATORY CONTROL SAMPLE RECOVERY

Matrix spike Lab sample ID: BLK-SPK

Batch No.: FSO071310A

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	46.1	92	70 - 130
Benzene	50.0	0.0	47.8	96	70 - 130
Trichloroethene	50.0	0.0	48.2	96	70 - 130
Toluene	50.0	0.0	50.6	101	70 - 130
Chlorobenzene	50.0	0.0	45.0	90	70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __5__ outside limits

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 06728-005

Batch No.: FSO071310A

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	65.2	130	52 - 157
Benzene	50.0	0.0	52.4	105	55 - 155
Trichloroethene	50.0	0.0	52.4	105	61 - 153
Toluene	50.0	0.0	52.3	105	58 - 144
Chlorobenzene	50.0	0.0	51.2	102	63 - 149

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD #	% REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	64.8		130	0	14	52 - 157
Benzene	0.0	51.9		104	1	8	55 - 155
Trichloroethene	0.0	52.5		105	0	19	61 - 153
Toluene	0.0	52.0		104	1	12	58 - 144
Chlorobenzene	0.0	50.9		102	0	11	63 - 149

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): F0411.D Date Analyzed: 07/02/2010

Instrument ID: MSD_F Time Analyzed: 15:21

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	234310	6.20	355151	7.03	345830	10.37
	UPPER LIMIT	468620	6.70	710302	7.53	691660	10.87
	LOWER LIMIT	117155	5.70	177575.5	6.53	172915	9.87
	LAB SAMPLE ID						
01	STD-5PPB	205401	6.19	329128	7.02	299217	10.37
02	STD-20PPB	204581	6.20	318960	7.03	300059	10.37
03	STD-200PPB	243375	6.19	372783	7.02	361305	10.37
04	STD-150PPB	266538	6.20	406826	7.03	388494	10.37
05	STD-1PPB	192156	6.20	316031	7.03	279638	10.37
06	STD-2PPB	196973	6.20	319419	7.03	290053	10.37
07	METHOD-BLK	168762	6.20	282511	7.03	254211	10.37
08	TCLP-BLK	156832	6.20	268672	7.03	239965	10.37
09	06383-001	159452	6.20	267955	7.03	234031	10.37
10	TCLP-SPK	199709	6.20	305766	7.03	288824	10.37
11	BLK-SPK	225177	6.19	343725	7.02	318786	10.37
12	WATER-MS	198006	6.20	324267	7.03	281136	10.37
13	WATER-MSD	183636	6.20	304163	7.02	265691	10.37
14	06220-026	168613	6.20	281252	7.03	241160	10.37
15	06323-008	166186	6.20	280738	7.03	245572	10.37
16	06329-019	151851	6.20	260003	7.03	224524	10.37
17							
18							
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): F0604.D

Date Analyzed: 07/13/2010

Instrument ID: MSD_F

Time Analyzed: 10:25

	50UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	190029		6.20		289736		7.03		307100		10.37	
	UPPER LIMIT	380058		6.70		579472		7.53		614200		10.87	
	LOWER LIMIT	95014.5		5.70		144868		6.53		153550		9.87	
	LAB SAMPLE ID												
01	METHOD-BLK	145454		6.20		255693		7.03		244487		10.37	
02	06674-004	131161		6.20		231718		7.03		219190		10.37	
03	06674-005	133793		6.20		236784		7.03		232675		10.37	
04	BLK-SPK	176930		6.20		273515		7.03		288349		10.37	
05	06728-005MS	165172		6.20		288664		7.03		276008		10.37	
06	06728-005MSD	160999		6.20		282662		7.03		272665		10.37	
07	06728-001	146942		6.20		258176		7.03		247701		10.37	
08	06728-002	142101		6.20		249677		7.03		242789		10.37	
09	06728-003	147932		6.20		259336		7.03		250095		10.37	
10	06728-004	142588		6.20		253879		7.03		249984		10.37	
11	06728-005	164208		6.20		280176		7.03		270080		10.37	
12	06728-006	146744		6.20		256120		7.03		253236		10.37	
13	06728-007	144315		6.20		253484		7.03		252299		10.37	
14	06728-008	138758		6.20		243446		7.03		240327		10.37	
15	06728-009	141347		6.20		248915		7.03		240857		10.37	
16	06728-010	143454		6.20		251436		7.03		243559		10.37	
17	06728-011	138188		6.20		246383		7.03		241251		10.37	
18	06462-003	139877		6.20		248249		7.03		242164		10.37	
19	06462-004	138707		6.20		246966		7.03		238683		10.37	
20	06662-001	187962		6.20		314953		7.03		312630		10.37	
21													
22													

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM 8

LABORATORY CHRONICLE - GC/MS VOA (Soil)

DATE: 7/2/10 17:00

INSTRUMENT: MSDF

TUNE FILE: TUNE F

SEQUENCE FILE: 07-02-10

METHOD: FAM0702

ANALYST: Xingfang Wang

INXF Initial

STANDARD	#	#	(ul)	CONC.
ISTD/SURR	LS831		1	250 ug/mL
PRIMARY 8260 STD	LS843		12.5	40 ug/mL
PRIMARY AC/AC	LS835		1.5	1000 ug/mL
1,4-Dioxane	LS811		1.5	10000 ug/mL
8260 MATRIX SPK	LS833		10	25 ug/mL
SECONDARY 8260 ST	L2267		6.25	40 ug/mL
SECONDARY AC/AC	LS809		1	1000 ug/mL

	Vial #	Data File	Case #	Samp #	DF	Wt /Vol	Jar #	MX	Client ID	Samp Date	Recd Date	% Moist	Comments
1	1	F0406	BFB TUNING	50NG									ok
2	2	F0407	1PPB	STD-1PPB		5		A				100	/
3	3	F0408	2PPB	STD-2PPB		5		A				100	/
4	4	F0409	5PPB	STD-5PPB		5		A				100	ok
5	5	F0410	20PPB	STD-20PPB		5		A				100	ok
6	6	F0411	100PPB	STD-100PPB		5		A				100	ok
7	7	F0412	1PPB	STD-1PPB		5		A				100	/
8	8	F0413	200PPB	STD-200PPB		5		A				100	ok
9	9	F0414	150PPB	STD-150PPB		5		A				100	ok
10	10	F0415	BLK			5		A				100	/
11	11	F0416	BLK			5		A				100	/
12	12	F0417	1PPB	STD-1PPB		5		A				100	ok
13	13	F0418	2PPB	STD-2PPB		5		A				100	ok
14	14	F0419	BLK			5		A				100	/
15	15	F0420	N/A	METHOD-BLK		5		A				100	ok
16	16	F0421	TCLP	TCLP-BLK		0.1		A				100	ok
17	17	F0422	6383	1		0.1		A	001	06/30/10	06/30/10	100	ok
18	18	F0423	TCLP	TCLP-SPK		5		A				100	ok
19	19	F0424	LCS-50PPB	BLK-SPK		5		A				100	ok
20	20	F0425	MS	WATER-MS		5		A				100	ok
21	21	F0426	MSD	WATER-MSD		5		A				100	ok
22	22	F0427	6220	26		5		A	TB	06/24/10	06/24/10	100	ok
23	23	F0428	6323	8		5		A	TB	06/28/10	06/28/10	100	ok
24	24	F0429	6329	19		5		A	FB-S	06/25/10	06/28/10	100	ok
25	25	F0430	BLK			5		A				100	/

LABORATORY CHRONICLE - GC/MS VOA (Soil)

DATE: 7/13/10 13:06

INSTRUMENT: MSDF

TUNE FILE: TUNE F

SEQUENCE FILE: 07-13-10

METHOD: FAM0702

ANALYST: Xingfang Wang

WXF Initial

STANDARD	#	#	(ul)	CONC.
ISTD/SURR	LS831		1	250 ug/mL
PRIMARY 8260 STD	LS843		12.5	40 ug/mL
PRIMARY AC/AC	LS835		1.5	1000 ug/mL
1,4-Dioxane	LS811		1.5	10000 ug/mL
8260 MATRIX SPK	LS833		10	25 ug/mL
SECONDARY 8260 S	L2267		6.25	40 ug/mL
SECONDARY AC/AC	LS809		1	1000 ug/mL

	Vial #	Data File	Case #	Samp #	DF	Wt /Vol	Jar #	MX	Client ID	Samp Date	Recd Date	% Moist	Comments
1	1	F0603	BFB TUNING	50NG									ok
2	2	F0604	100PPB	STD-100PPB		5		A				100	ok
3	3	F0605	BLK			5		A				100	✓
4	4	F0606	BLK			5		A				100	✓
5	5	F0607	N/A	METHOD-BLK		5		A				100	ok
6	6	F0608	6674	4		5		A	FB	07/08/10	07/08/10	100	ok
7	7	F0609		5		5		A	TB	07/08/10	07/08/10	100	ok
8	8	F0610	LCS-50PPB	BLK-SPK		5		A				100	ok
9	9	F0611	MS	06728-005MS		5		A				100	ok
10	10	F0612	MSD	6728-005MSD		5		A				100	ok
11	11	F0613	6728	1		5		A	FB(070810)	07/08/10	07/09/10	100	ok
12	12	F0614		2		5		A	TB(070810)	07/08/10	07/09/10	100	ok
13	13	F0615		3		5		A	PTW-2	07/08/10	07/09/10	100	ok
14	14	F0616		4		5		A	MW-9S	07/08/10	07/09/10	100	ok
15	15	F0617		5		5		A	MW-9D	07/08/10	07/09/10	100	ok
16	16	F0618		6		5		A	MW-6S	07/08/10	07/09/10	100	ok
17	17	F0619		7		5		A	MW-13R	07/08/10	07/09/10	100	ok
18	18	F0620		8		5		A	DUP(070810)	07/08/10	07/09/10	100	ok
19	19	F0621		9		5		A	GP-104R	07/09/10	07/09/10	100	ok
20	20	F0622		10		5		A	GP-103R	07/09/10	07/09/10	100	ok
21	21	F0623		11		5		A	FB(070910)	07/09/10	07/09/10	100	ok
22	22	F0624	6462	3		5		A	FB	07/01/10	07/01/10	100	ok
23	23	F0625		4		5		A	TB	07/01/10	07/01/10	100	ok
24	24	F0626	6662	1		1		A	GW-1	07/07/10	07/08/10	100	✓
25	25	F0627		1		5		A	GW-1	07/07/10	07/08/10	100	ok
26	26	F0628	BLK			5		A				100	✓
27	27	F0629	BLK			5		A				100	✓

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0613.D
Acq On : 13 Jul 2010 15:10
Operator : XING
Sample : FB(070810),06728-001,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 13 16:48:56 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.204	168	146942	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.026	114	258176	50.00	UG	0.00
50) Chlorobenzene-d5	10.366	117	247701	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.539	65	82683	59.27	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 118.54%			
41) Toluene-d8	8.691	98	210762	46.77	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 93.54%			
59) Bromofluorobenzene	11.767	95	92004	45.60	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 91.20%			

Target Compounds	Qvalue

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

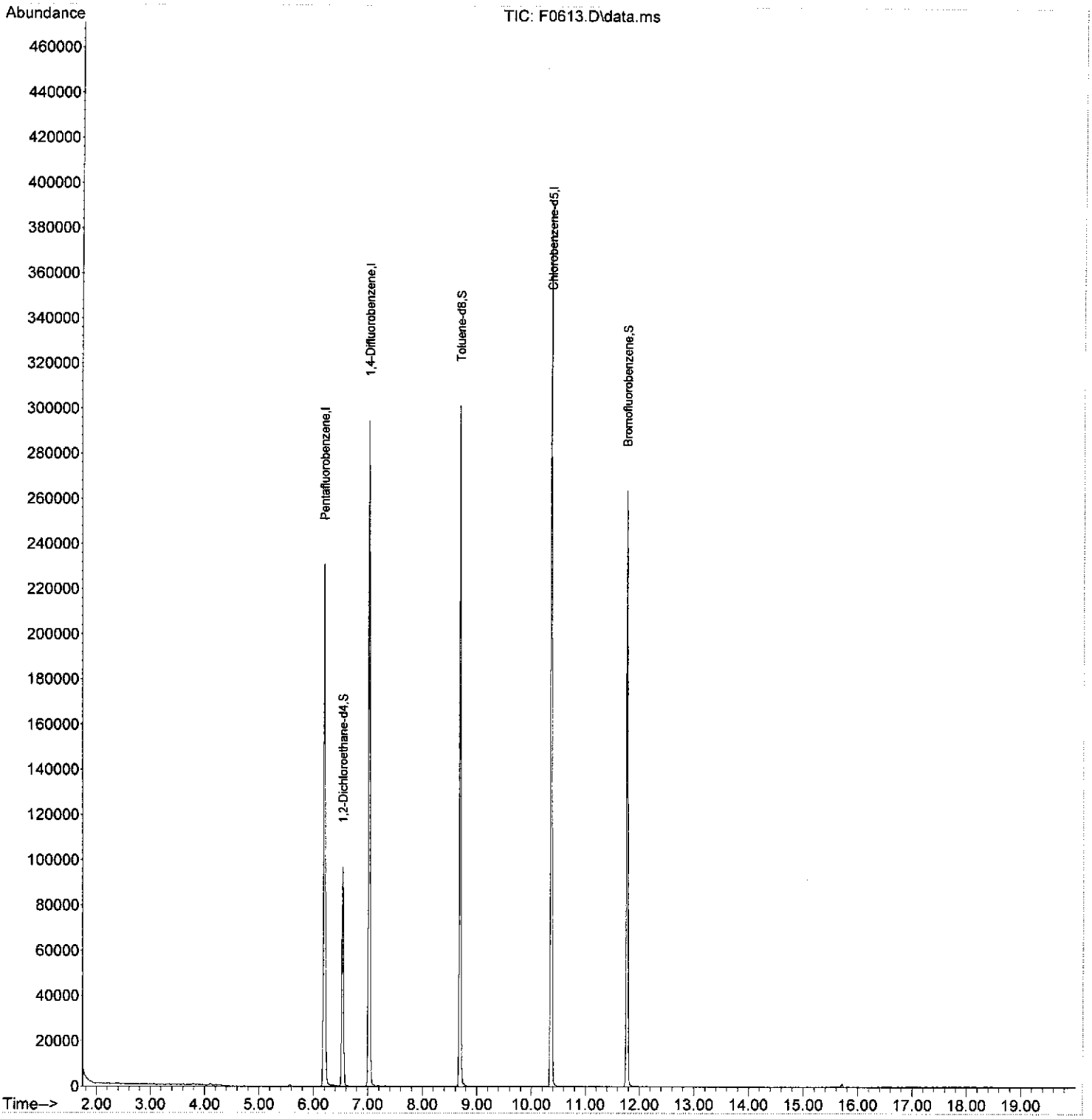
0058

XHG

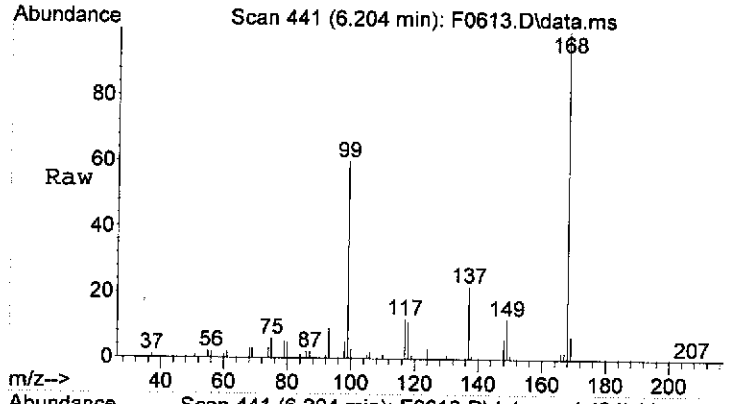
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0613.D
Acq On : 13 Jul 2010 15:10
Operator : XING
Sample : FB(070810),06728-001,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 13 16:48:56 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



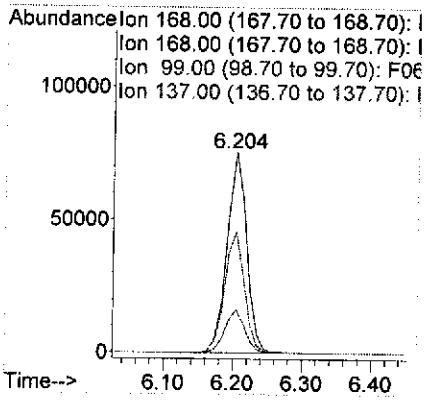
0059

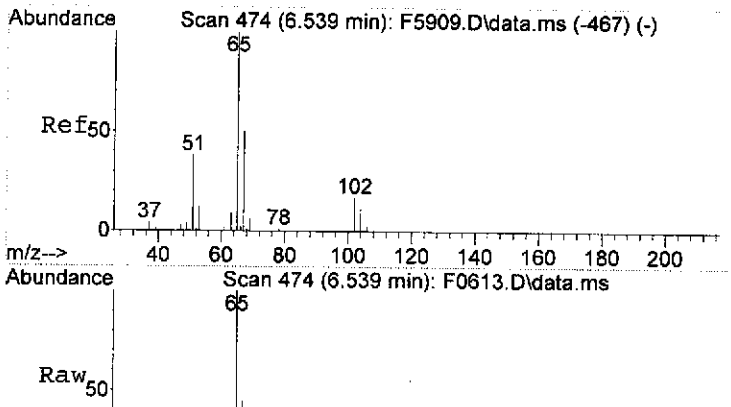


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.204 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0613.D
Acq: 13 Jul 2010 15:10

Tgt Ion:168 Resp: 146942

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0

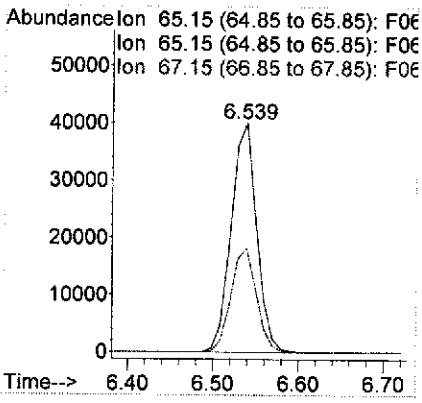


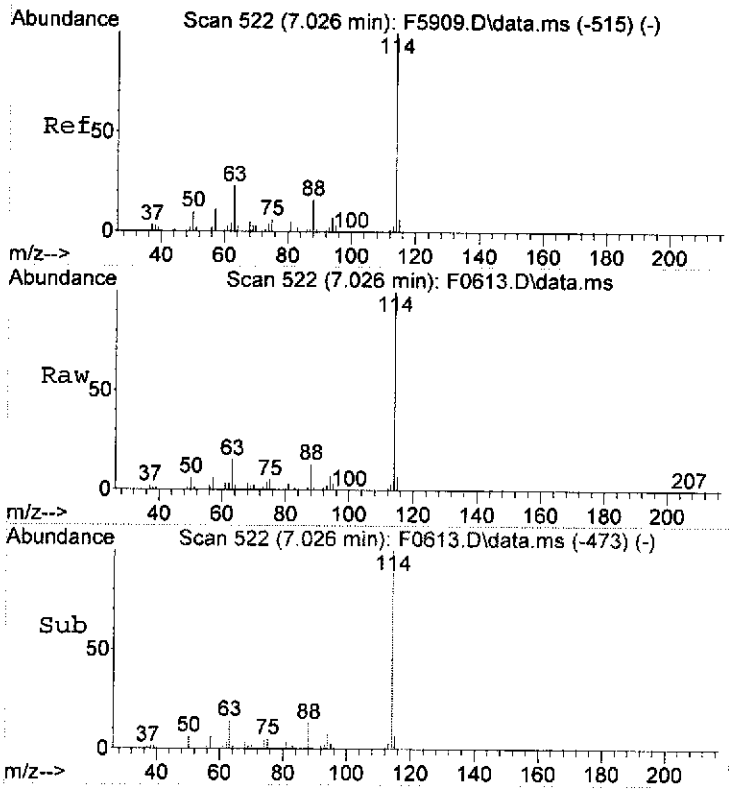


#30
1,2-Dichloroethane-d4
Concen: 59.27 UG
RT: 6.539 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0613.D
Acq: 13 Jul 2010 15:10

Tgt Ion: 65 Resp: 82683

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	45.4	41.3	61.9

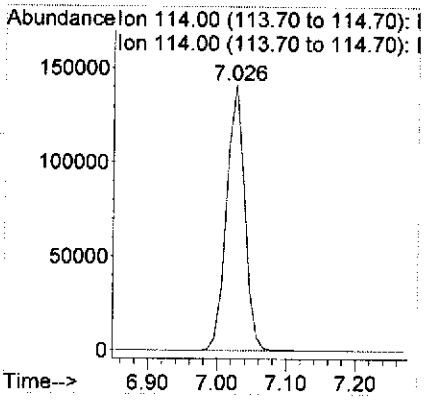


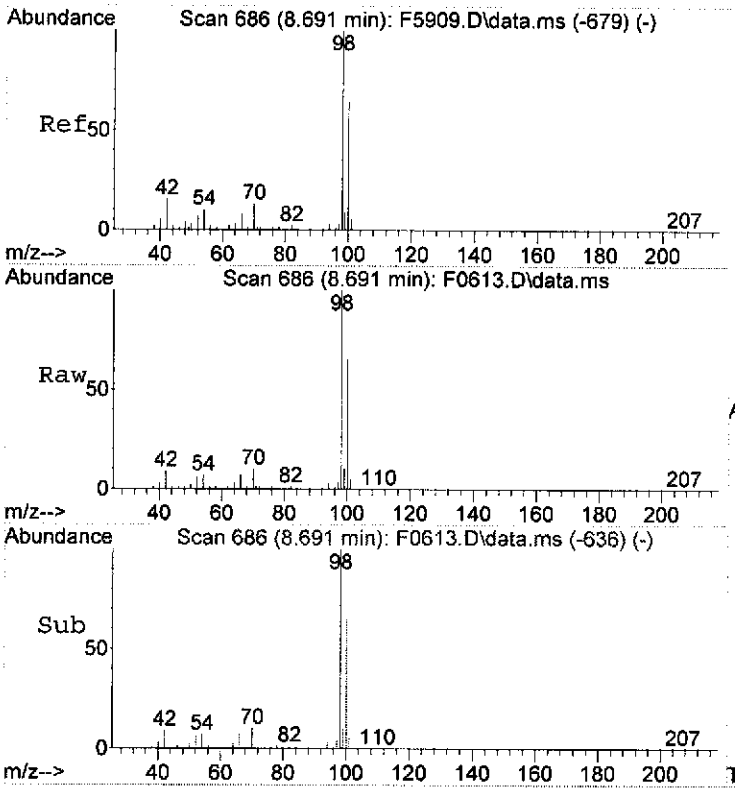


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0613.D
Acq: 13 Jul 2010 15:10

Tgt Ion:114 Resp: 258176

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

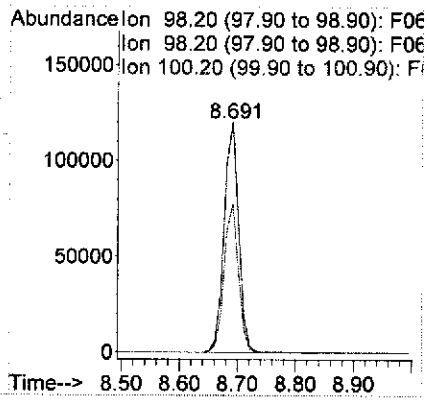


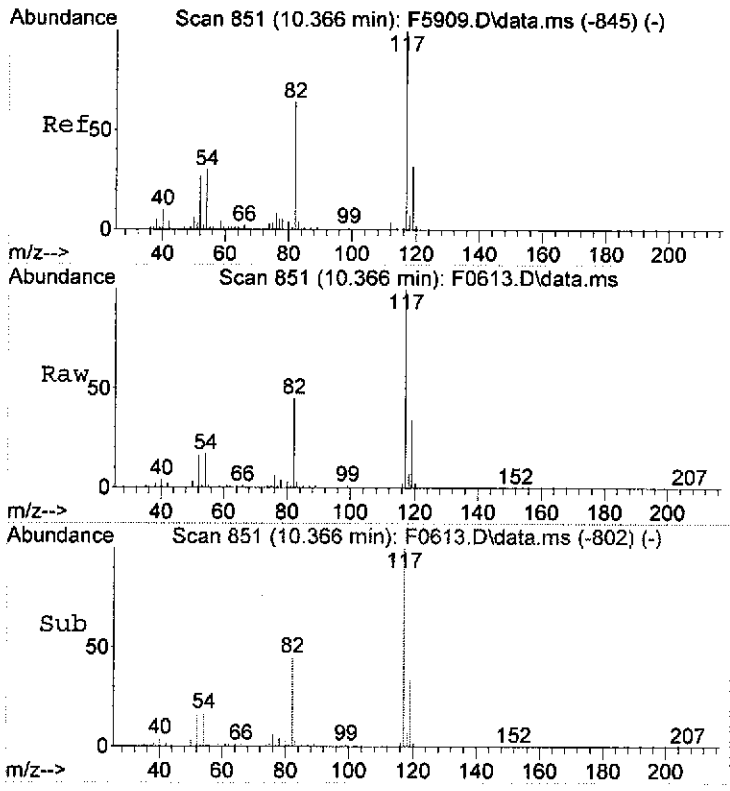


#41
Toluene-d8
Concen: 46.77 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0613.D
Acq: 13 Jul 2010 15:10

Tgt Ion: 98 Resp: 210762

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	64.1	51.2	76.8

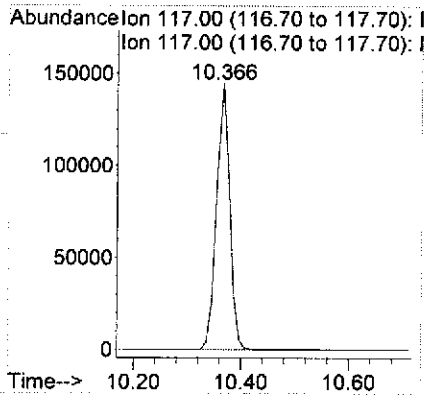


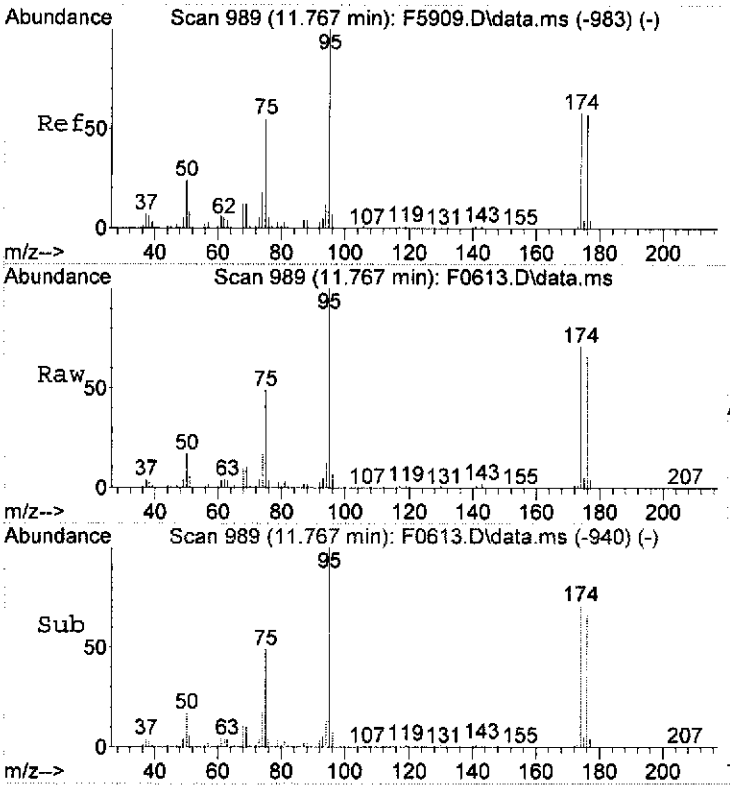


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0613.D
Acq: 13 Jul 2010 15:10

Tgt Ion:117 Resp: 247701

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

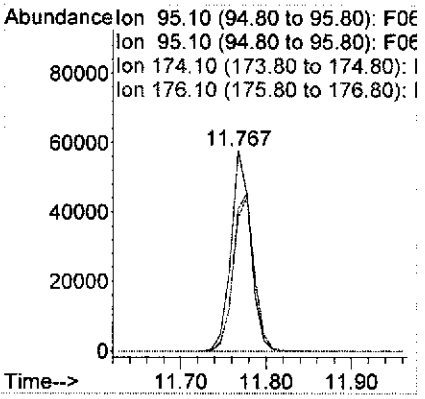




#59
Bromofluorobenzene
Concen: 45.60 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0613.D
Acq: 13 Jul 2010 15:10

Tgt Ion: 95 Resp: 92004

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	85.3	62.2	93.4
176	81.5	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0614.D
Acq On : 13 Jul 2010 15:36
Operator : XING
Sample : TB(070810),06728-002,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 13 16:49:34 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.204	168	142101	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.026	114	249677	50.00	UG	0.00
50) Chlorobenzene-d5	10.366	117	242789	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.539	65	80401	59.60	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 119.20%			
41) Toluene-d8	8.691	98	204429	46.91	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 93.82%			
59) Bromofluorobenzene	11.767	95	91386	46.21	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 92.42%			

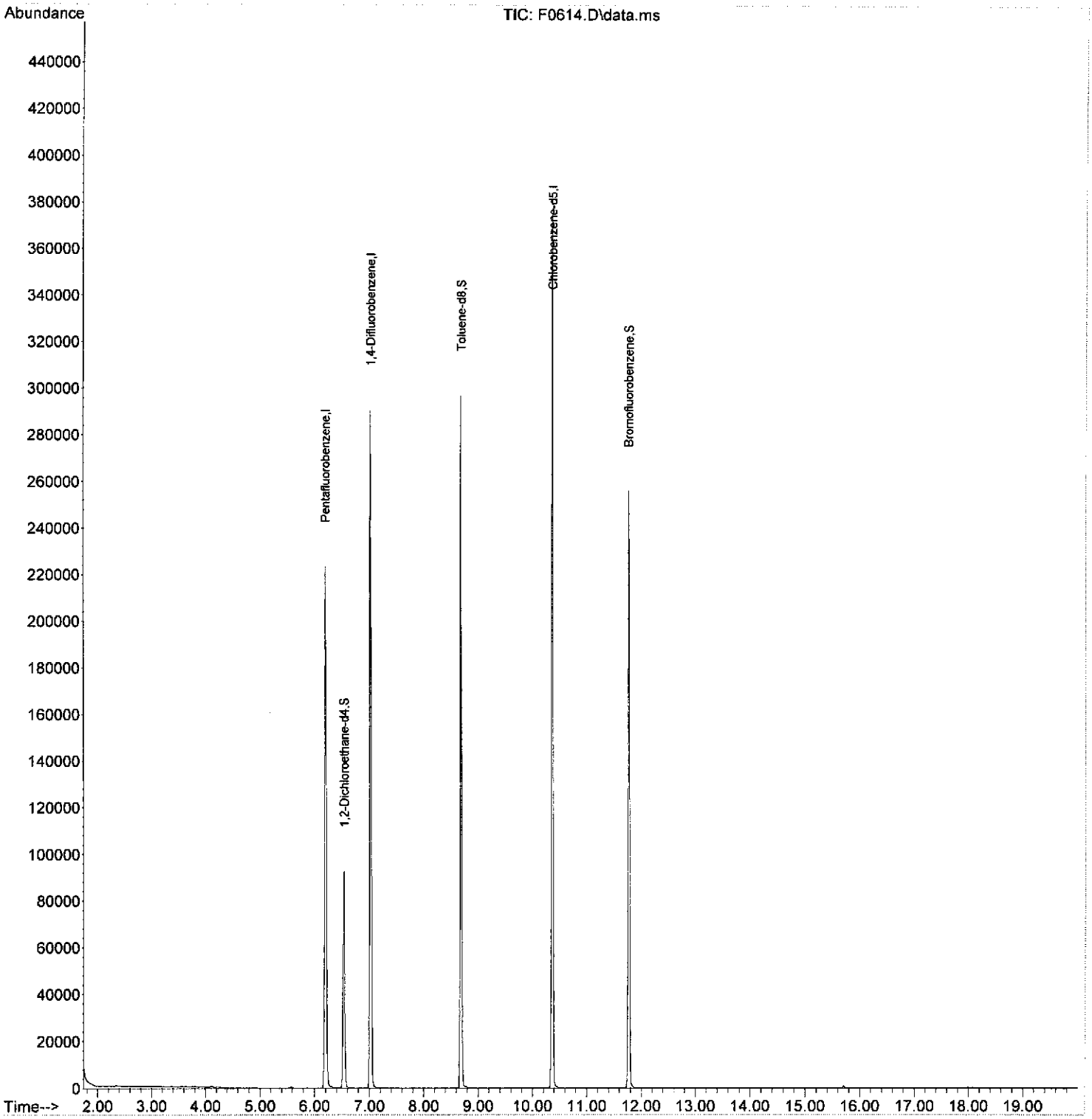
Target Compounds	Qvalue

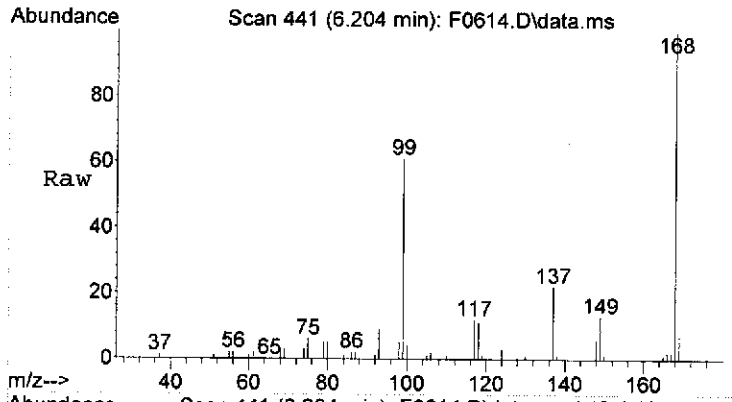
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0614.D
Acq On : 13 Jul 2010 15:36
Operator : XING
Sample : TB(070810),06728-002,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 13 16:49:34 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

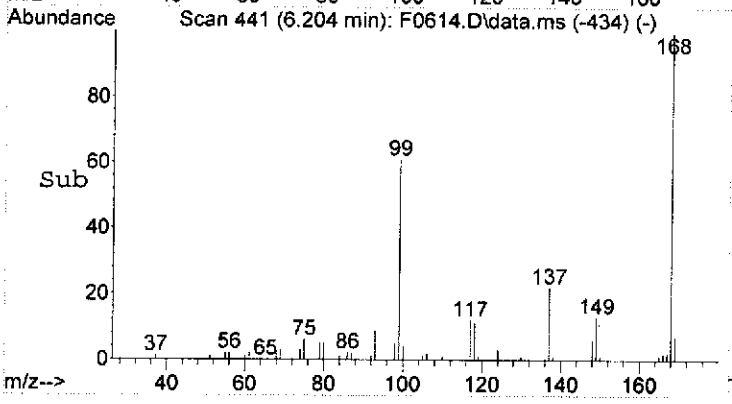


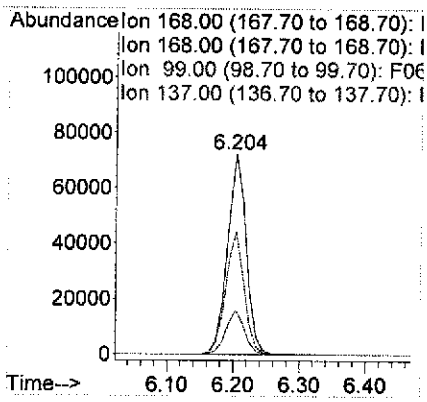


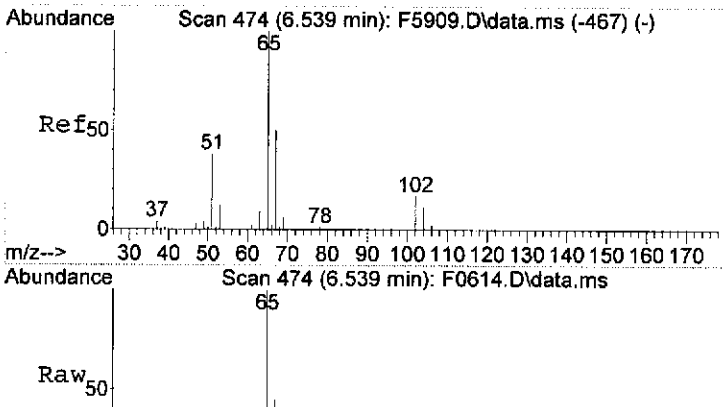
#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.204 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0614.D
Acq: 13 Jul 2010 15:36

Tgt Ion:168 Resp: 142101

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0



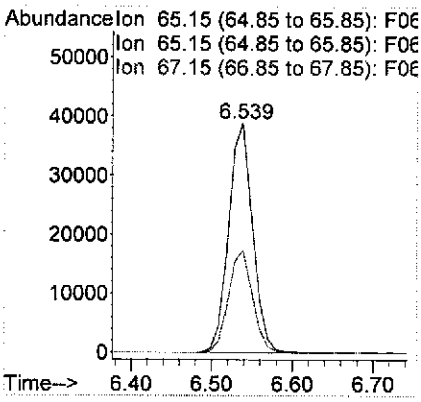


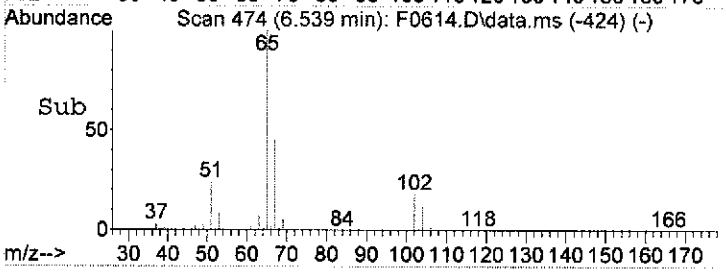


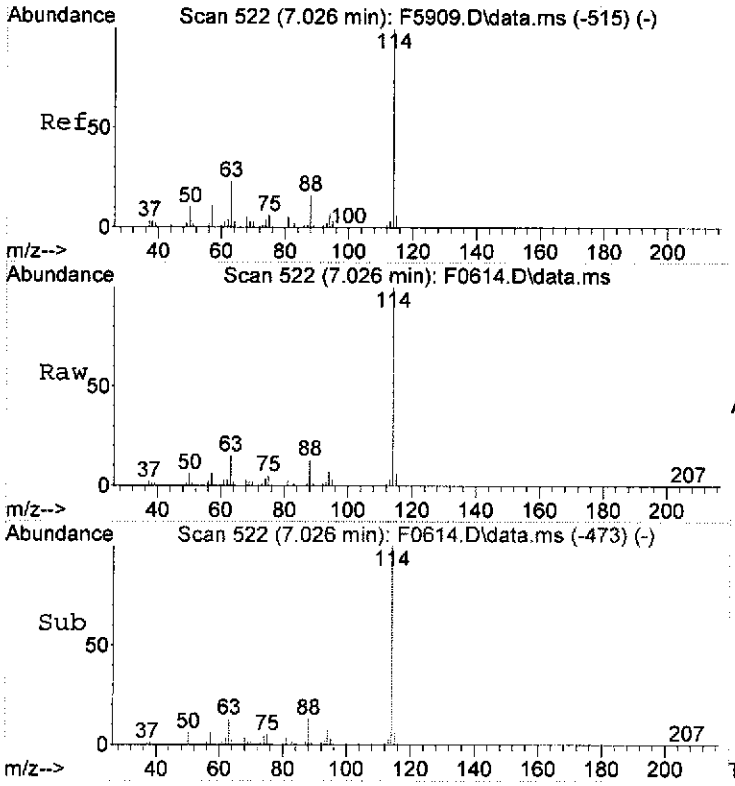
#30
1,2-Dichloroethane-d4
Concen: 59.60 UG
RT: 6.539 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0614.D
Acq: 13 Jul 2010 15:36

Tgt Ion: 65 Resp: 80401

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	44.7	41.3	61.9



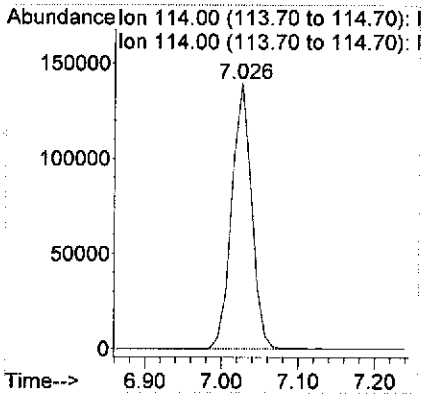


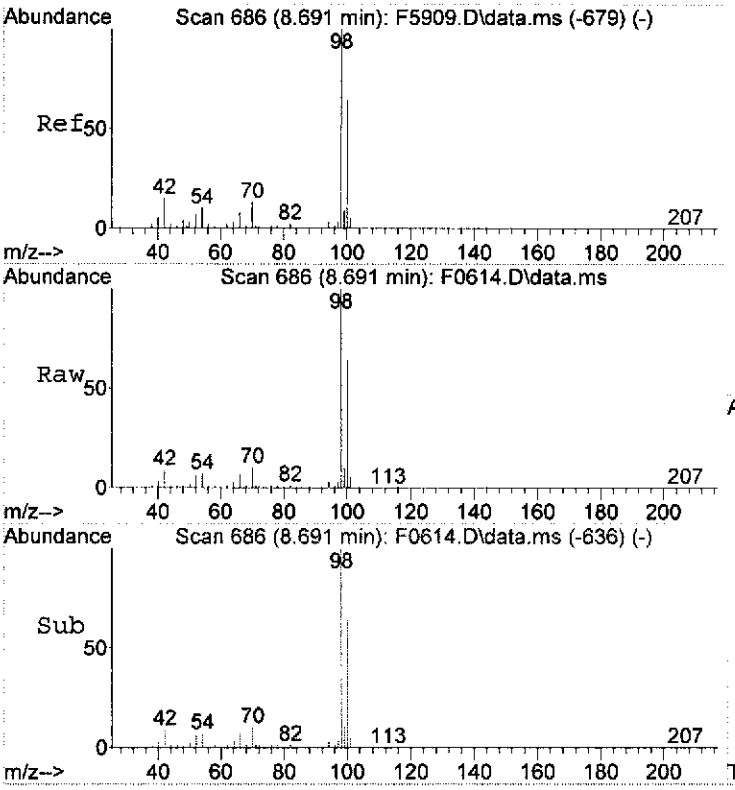


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0614.D
Acq: 13 Jul 2010 15:36

Tgt Ion:114 Resp: 249677

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

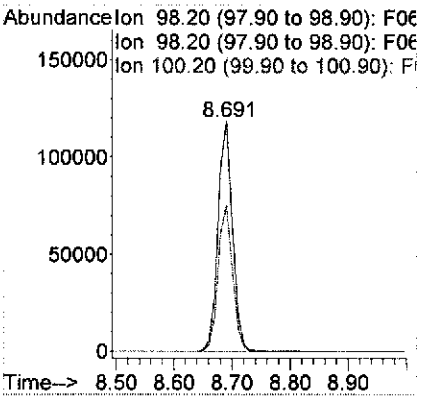


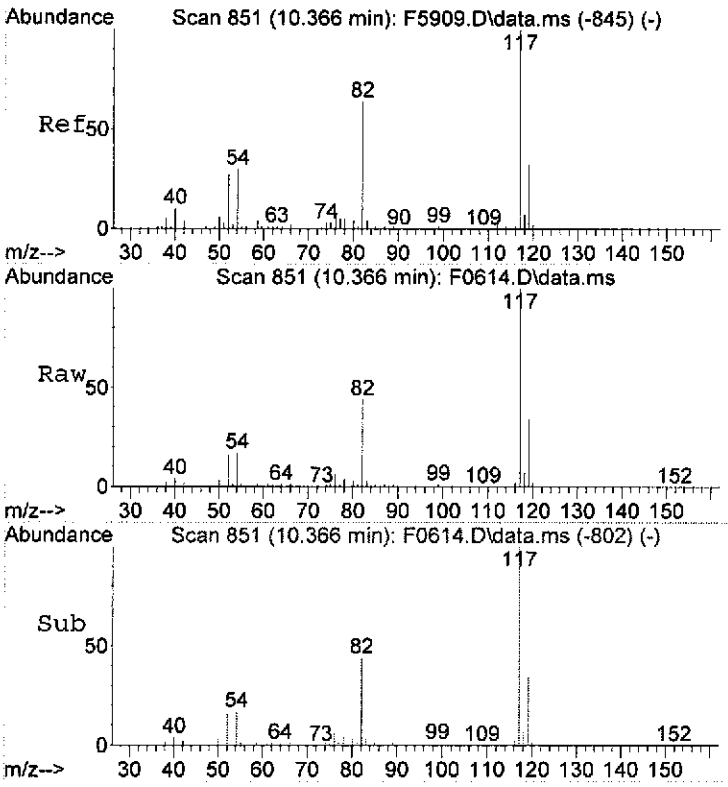


#41
Toluene-d8
Concen: 46.91 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0614.D
Acq: 13 Jul 2010 15:36

Tgt Ion: 98 Resp: 204429

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	63.8	51.2	76.8

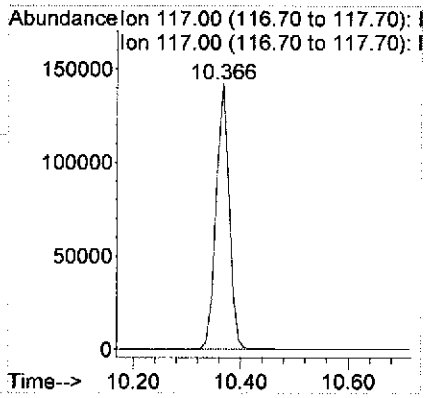


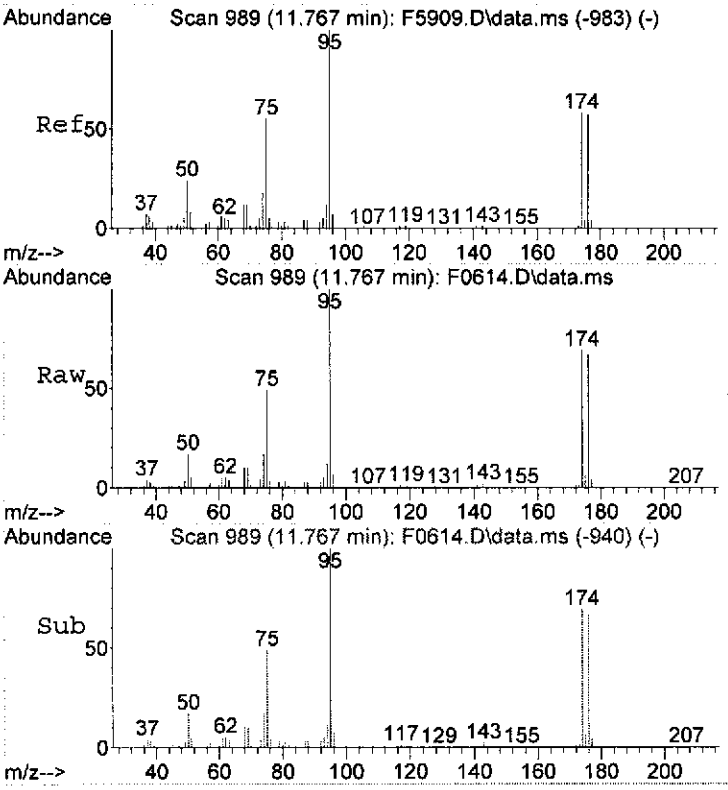


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0614.D
Acq: 13 Jul 2010 15:36

Tgt Ion:117 Resp: 242789

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

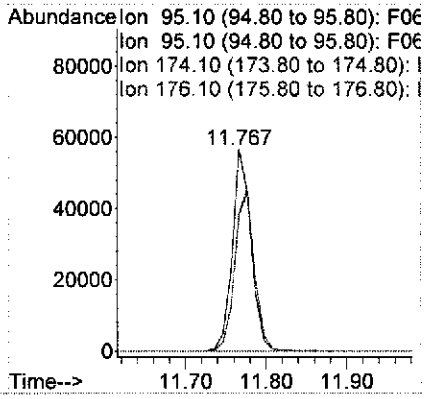




#59
Bromofluorobenzene
Concen: 46.21 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0614.D
Acq: 13 Jul 2010 15:36

Tgt Ion: 95 Resp: 91386

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	84.2	62.2	93.4
176	81.9	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0615.D
Acq On : 13 Jul 2010 16:03
Operator : XING
Sample : PTW-2,06728-003,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 13 16:50:42 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.204	168	147932	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.026	114	259336	50.00	UG		0.00
50) Chlorobenzene-d5	10.366	117	250095	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.539	65	81992	58.38	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 116.76%				
41) Toluene-d8	8.691	98	213284	47.12	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.24%				
59) Bromofluorobenzene	11.767	95	93733	46.01	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 92.02%				
Target Compounds							Qvalue
4) Vinyl chloride	2.092	62	719	0.85	UG		100
18) 1,1-Dichloroethane	4.935	63	2843	1.39	UG	#	99
20) cis-1,2-Dichloroethene	5.605	96	3505	2.67	UG	#	98
26) 1,1,1-Trichloroethane	6.173	97	1603	0.69	UG	#	58
33) Trichloroethene	7.310	95	9406	6.22	UG	#	82
45) Tetrachloroethene	9.391	166	423	0.29	UG	#	100

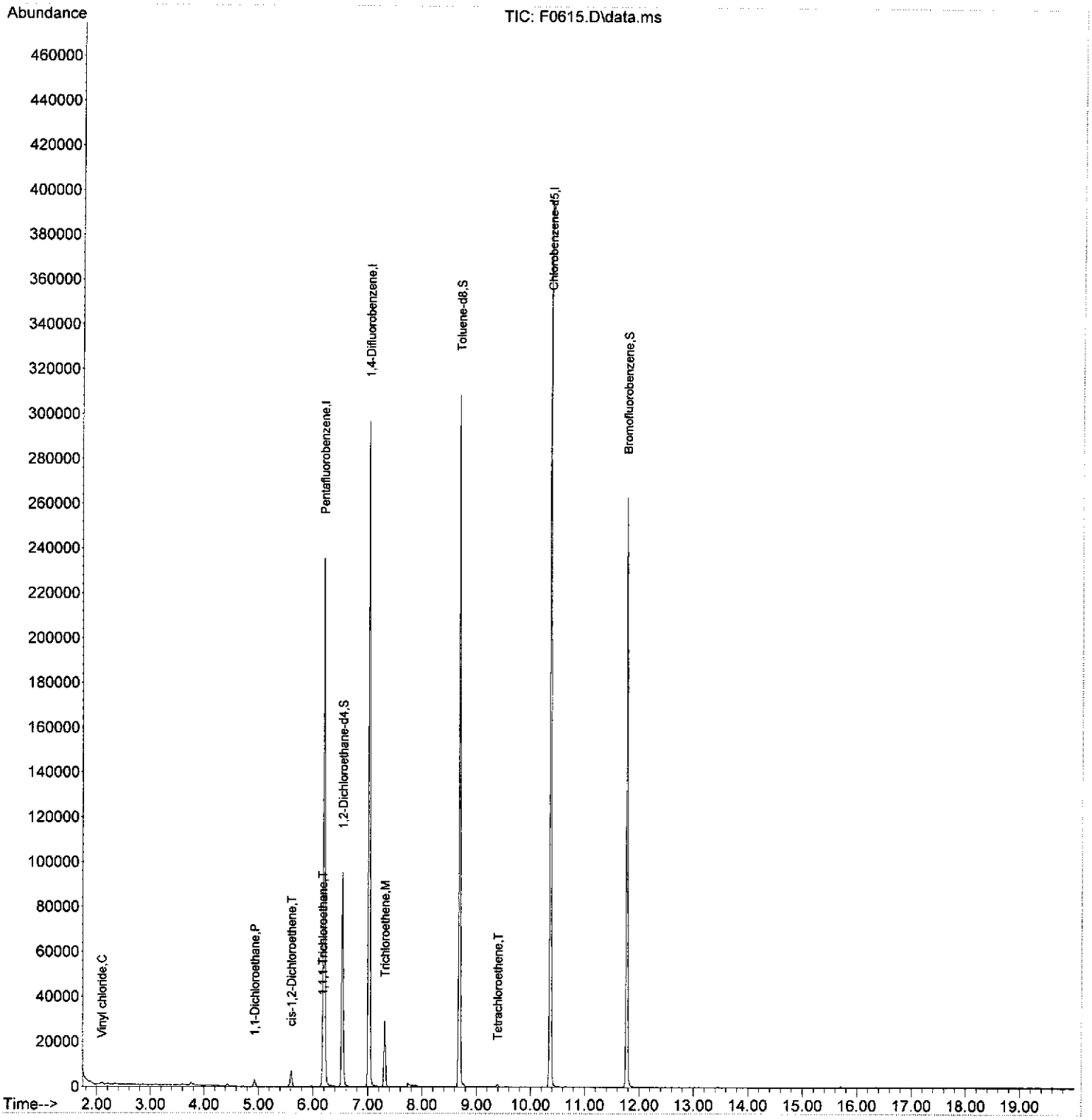
(#) = qualifier out of range (m) = manual integration (+) = signals summed

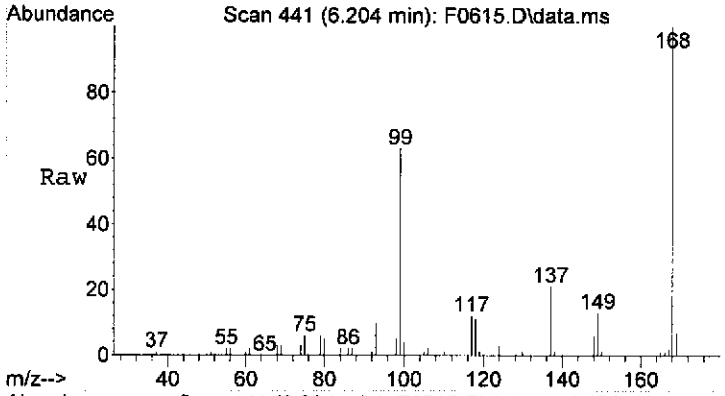
00687

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0615.D
Acq On : 13 Jul 2010 16:03
Operator : XING
Sample : PTW-2,06728-003,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 13 16:50:42 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

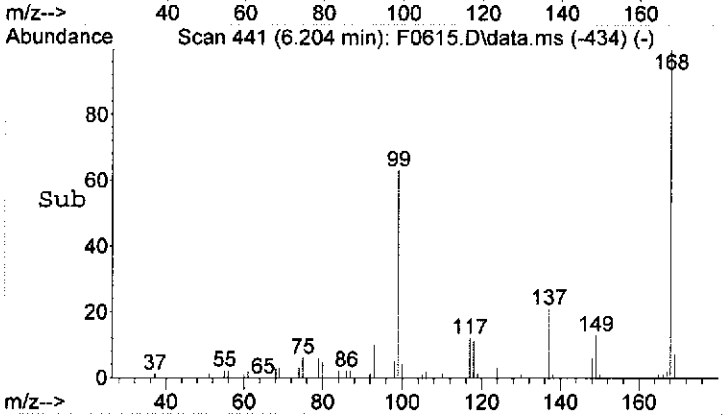


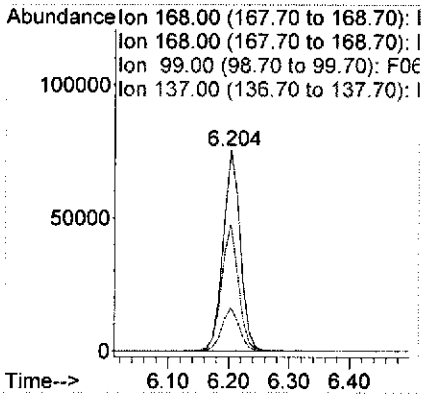


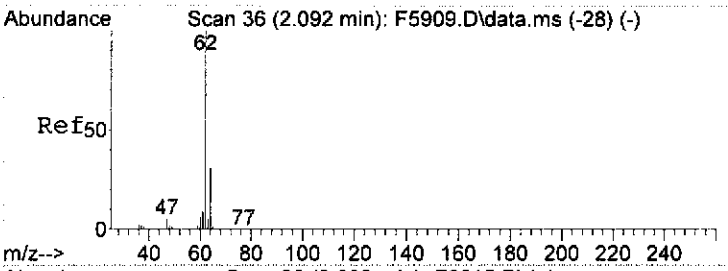
#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.204 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0615.D
Acq: 13 Jul 2010 16:03

Tgt Ion:168 Resp: 147932

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0



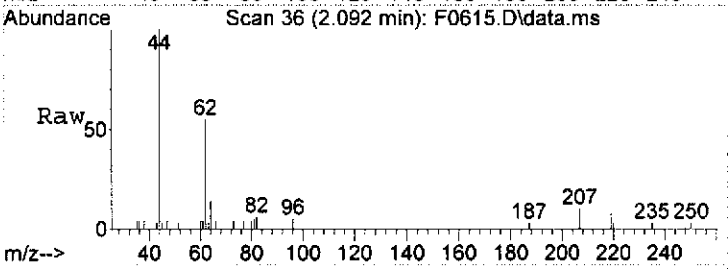


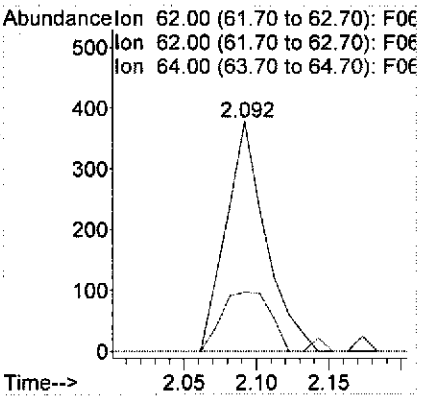


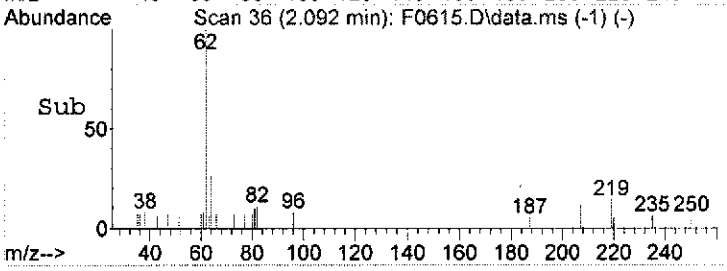
#4
Vinyl chloride
Concen: 0.85 UG
RT: 2.092 min Scan# 36
Delta R.T. 0.000 min
Lab File: F0615.D
Acq: 13 Jul 2010 16:03

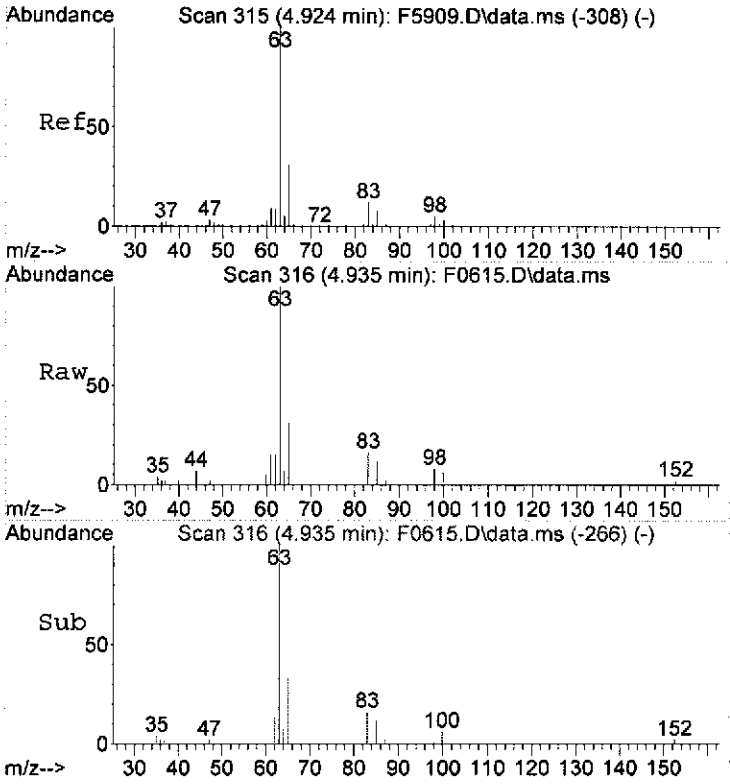
Tgt Ion: 62 Resp: 719

Ion	Ratio	Lower	Upper
62	100		
62	100.0	80.0	120.0
64	31.7	24.6	36.8





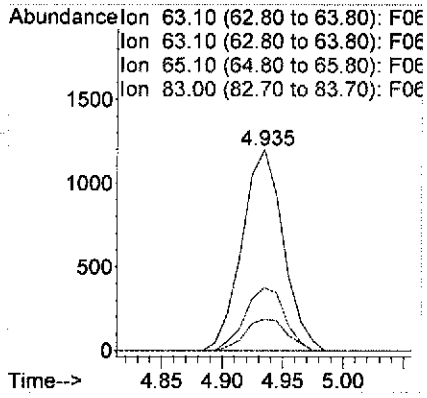


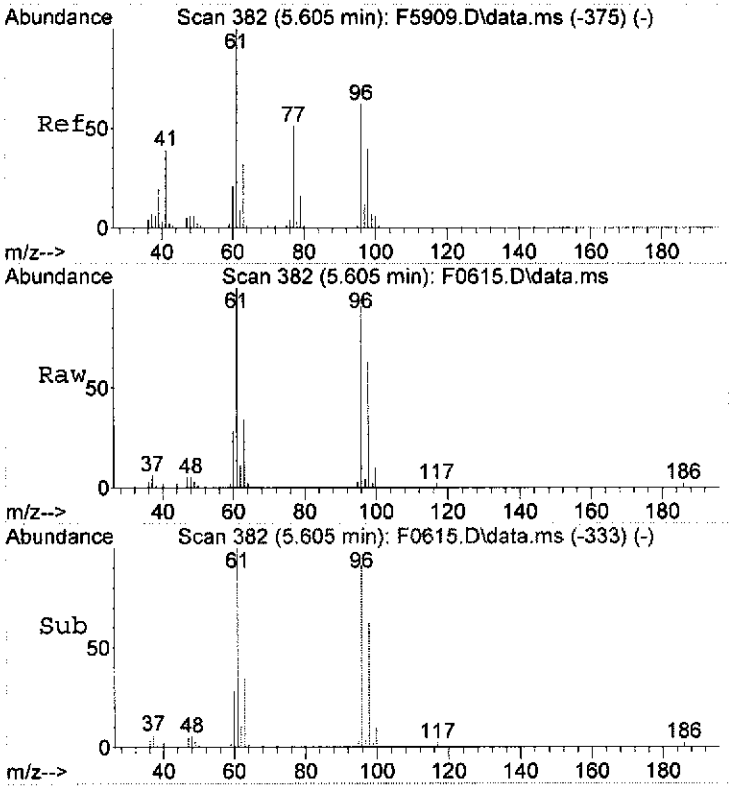


#18
1,1-Dichloroethane
Concen: 1.39 UG
RT: 4.935 min Scan# 316
Delta R.T. 0.010 min
Lab File: F0615.D
Acq: 13 Jul 2010 16:03

Tgt Ion: 63 Resp: 2843

Ion	Ratio	Lower	Upper
63	100		
63	100.0	80.0	120.0
65	30.3	24.7	37.1
83	15.9	10.2	15.2#

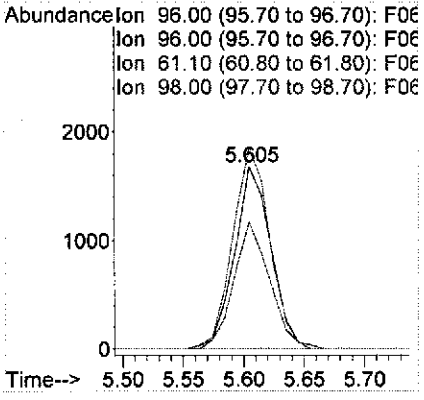


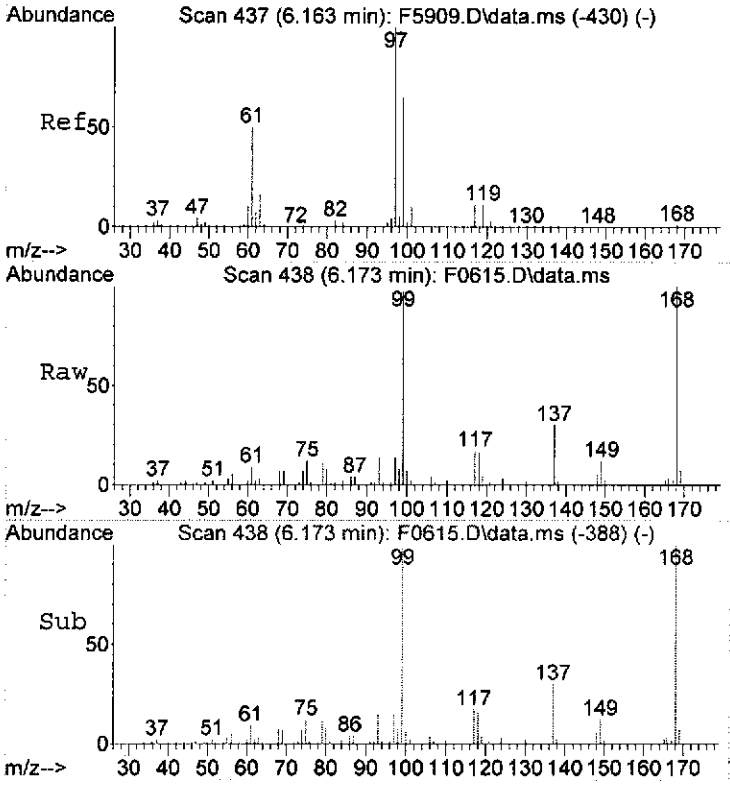


#20
cis-1,2-Dichloroethene
Concen: 2.67 UG
RT: 5.605 min Scan# 382
Delta R.T. 0.000 min
Lab File: F0615.D
Acq: 13 Jul 2010 16:03

Tgt Ion: 96 Resp: 3505

Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
61	0.0	0.0	0.0
98	68.9	51.7	77.5

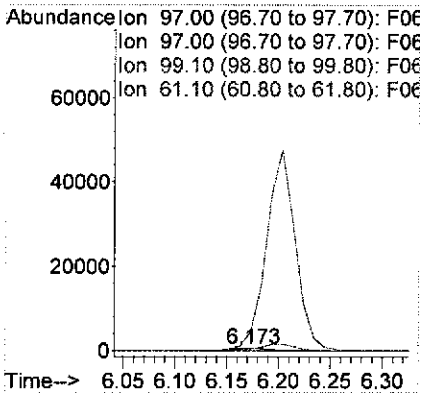


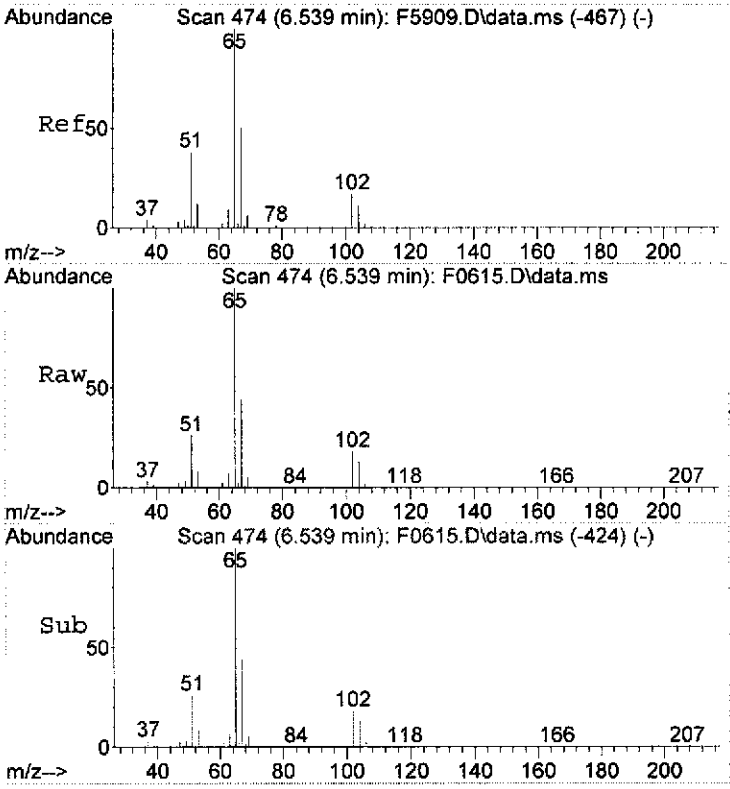


#26
1,1,1-Trichloroethane
Concen: 0.69 UG
RT: 6.173 min Scan# 438
Delta R.T. 0.010 min
Lab File: F0615.D
Acq: 13 Jul 2010 16:03

Tgt Ion: 97 Resp: 1603

Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	0.0	67.2	100.8#
61	0.0	0.0	0.0

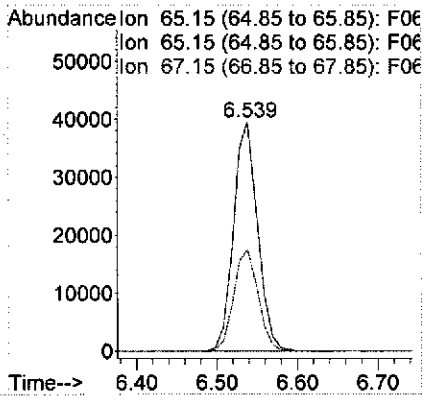


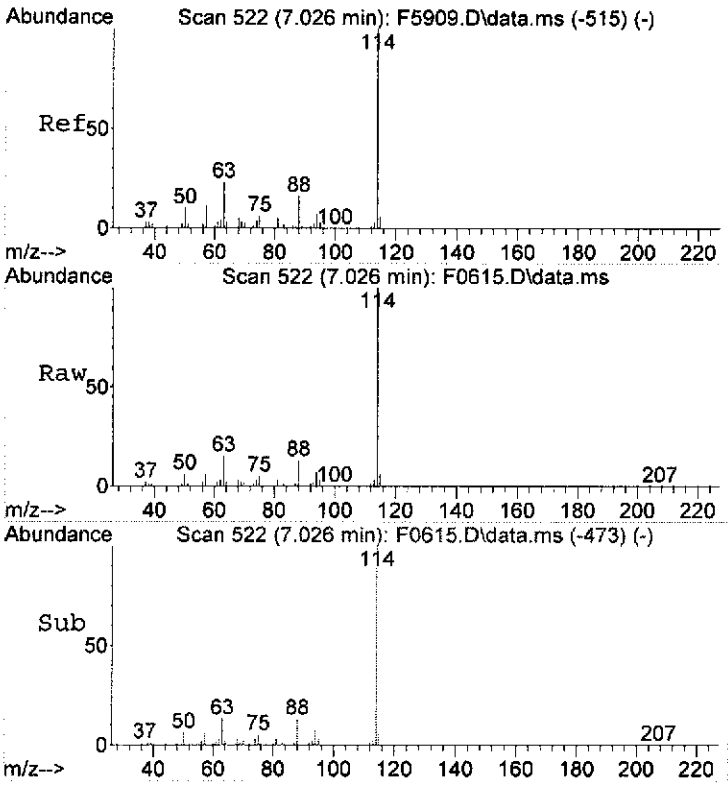


#30
1,2-Dichloroethane-d4
Concen: 58.38 UG
RT: 6.539 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0615.D
Acq: 13 Jul 2010 16:03

Tgt Ion: 65 Resp: 81992

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	44.9	41.3	61.9

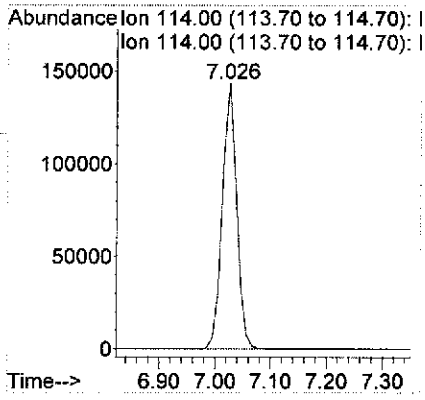


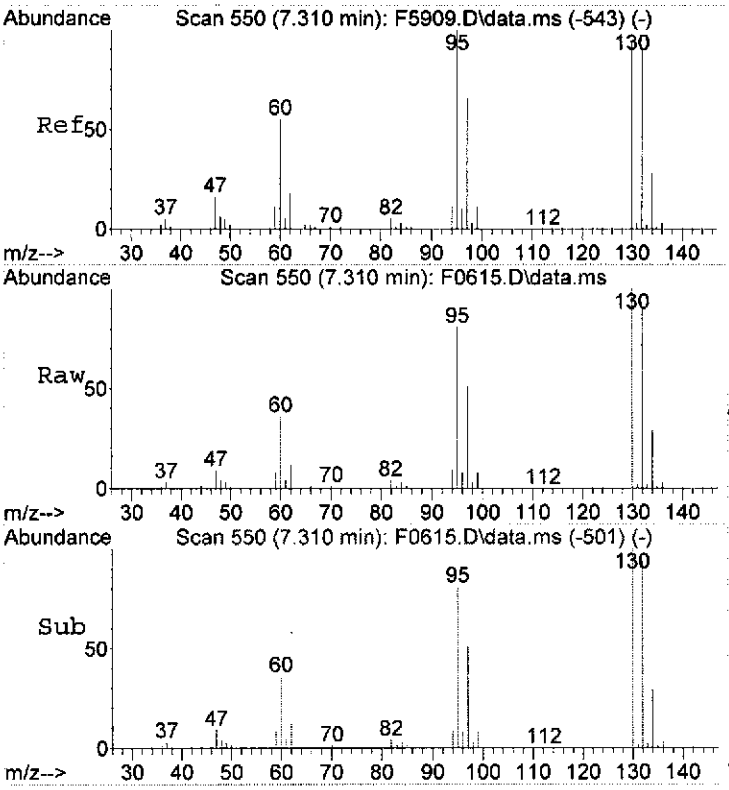


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0615.D
Acq: 13 Jul 2010 16:03

Tgt Ion:114 Resp: 259336

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

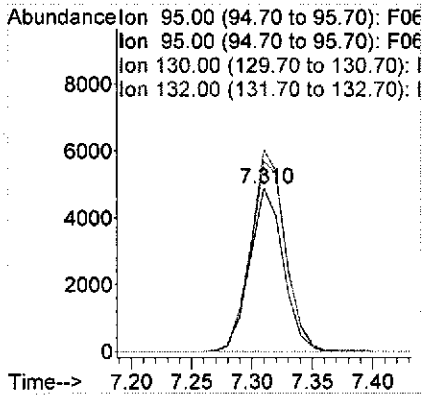


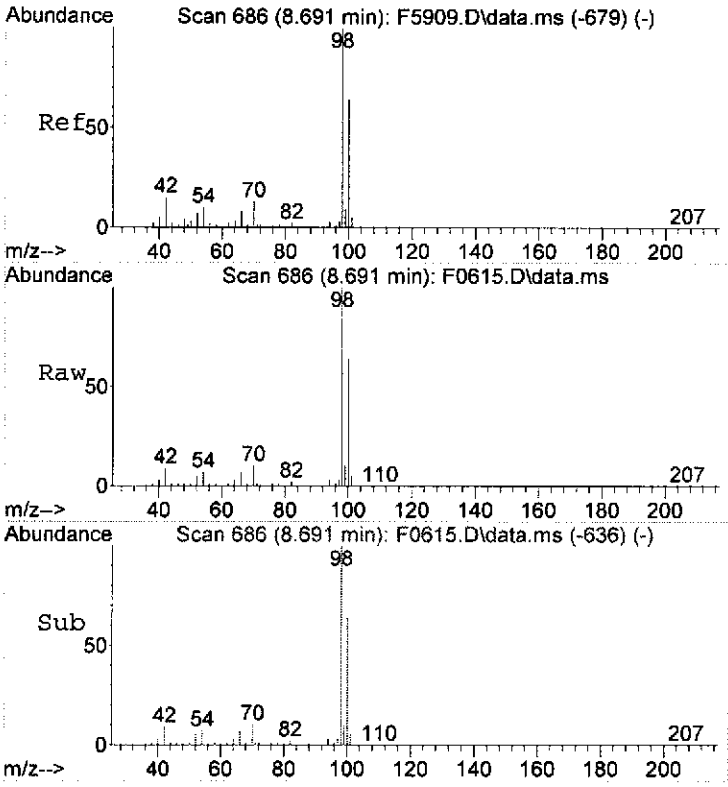


#33
Trichloroethene
Concen: 6.22 UG
RT: 7.310 min Scan# 550
Delta R.T. 0.000 min
Lab File: F0615.D
Acq: 13 Jul 2010 16:03

Tgt Ion: 95 Resp: 9406

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
130	126.3	80.4	120.6#
132	121.8	74.2	111.2#

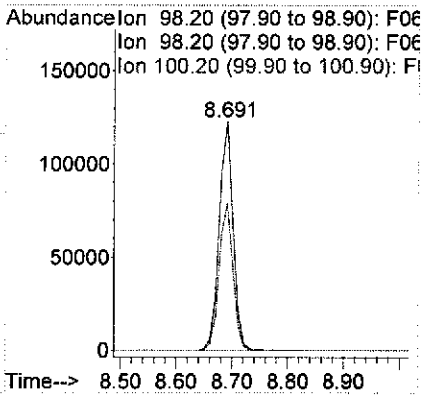


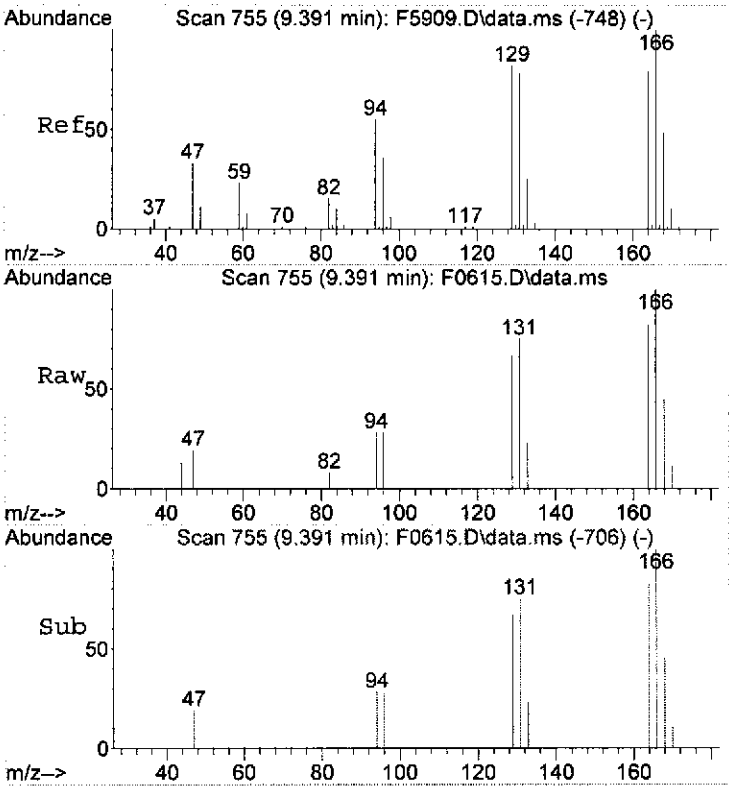


#41
Toluene-d8
Concen: 47.12 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0615.D
Acq: 13 Jul 2010 16:03

Tgt Ion: 98 Resp: 213284

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	64.6	51.2	76.8

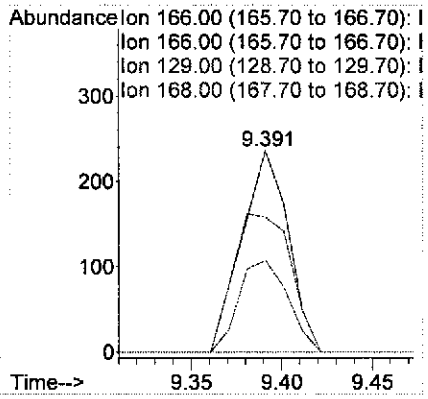


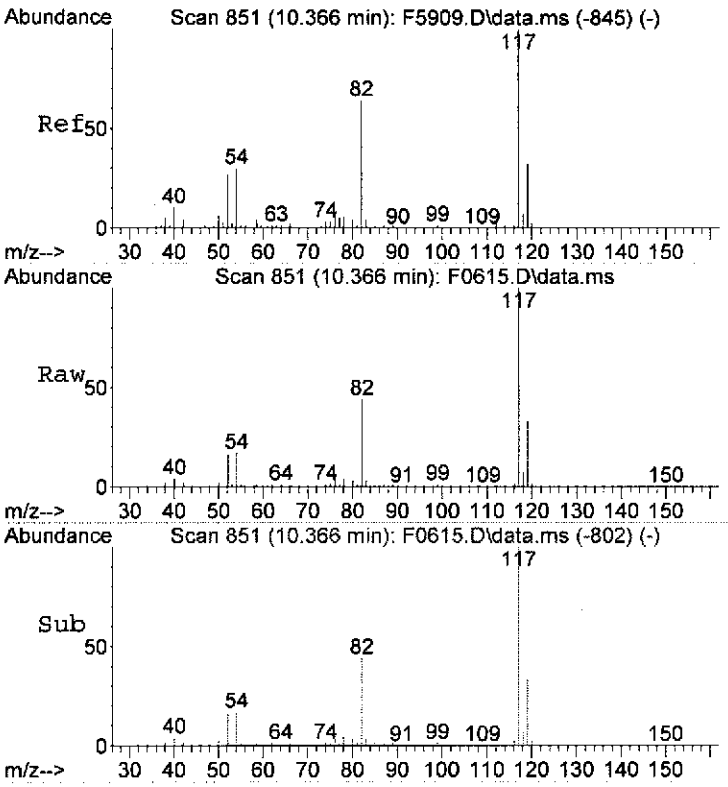


#45
Tetrachloroethene
Concen: 0.29 UG
RT: 9.391 min Scan# 755
Delta R.T. 0.000 min
Lab File: F0615.D
Acq: 13 Jul 2010 16:03

Tgt Ion:166 Resp: 423

Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
129	0.0	0.0	0.0
168	47.8	38.2	57.2

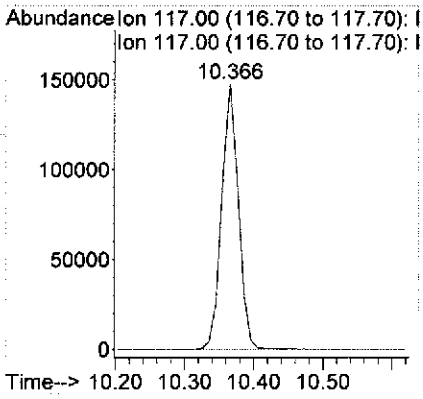


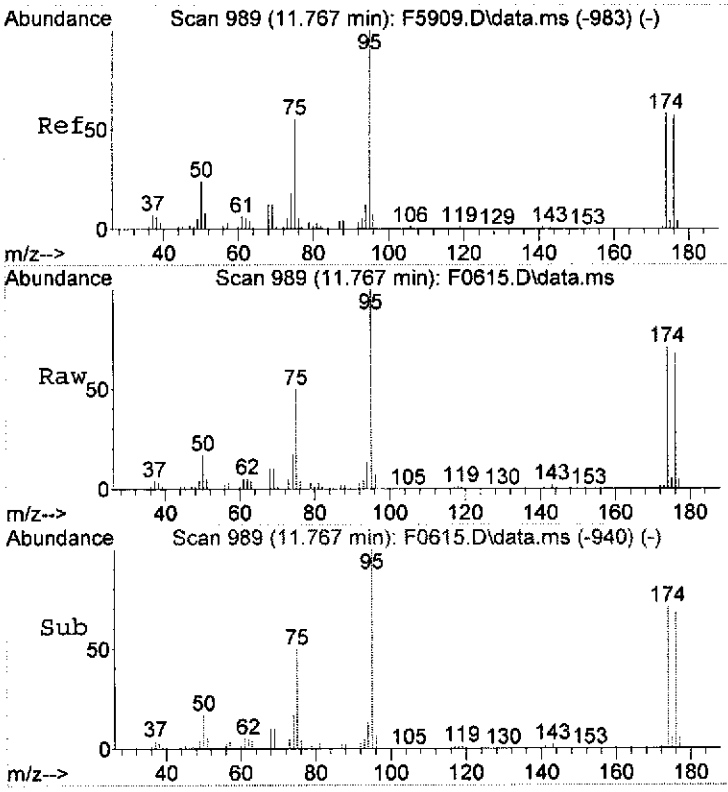


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0615.D
Acq: 13 Jul 2010 16:03

Tgt Ion:117 Resp: 250095

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

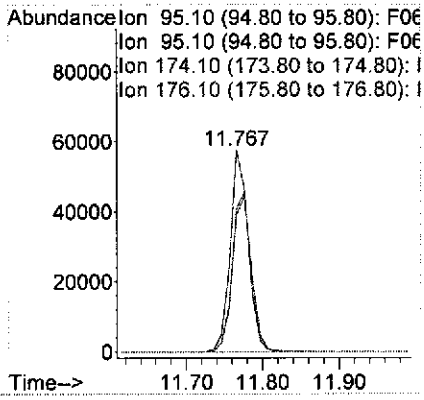




#59
Bromofluorobenzene
Concen: 46.01 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0615.D
Acq: 13 Jul 2010 16:03

Tgt Ion: 95 Resp: 93733

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	84.2	62.2	93.4
176	81.0	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0616.D
Acq On : 13 Jul 2010 16:29
Operator : XING
Sample : MW-9S,06728-004,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 13 16:53:01 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

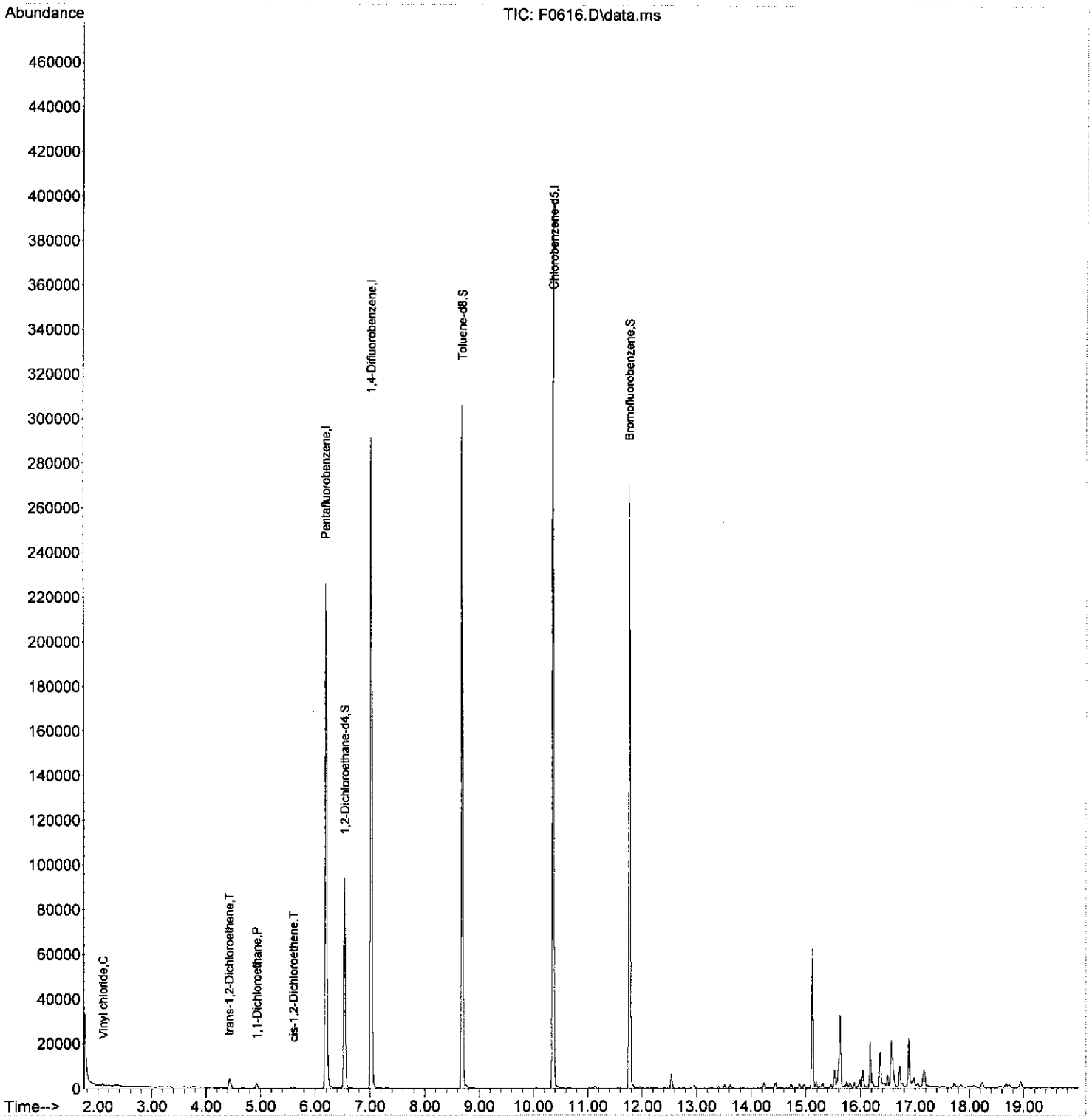
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.203	168	142588	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.026	114	253879	50.00	UG	0.00
50) Chlorobenzene-d5	10.366	117	249984	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.538	65	81740	60.38	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 120.76%			
41) Toluene-d8	8.691	98	209613	47.30	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.60%			
59) Bromofluorobenzene	11.767	95	97219	47.74	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.48%			
Target Compounds						Qvalue
4) Vinyl chloride	2.092	62	962	1.17	UG	# 87
16) trans-1,2-Dichloroethene	4.427	96	824	0.63	UG	# 100
18) 1,1-Dichloroethane	4.934	63	2176	1.11	UG	# 99
20) cis-1,2-Dichloroethene	5.604	96	454	0.36	UG	# 96

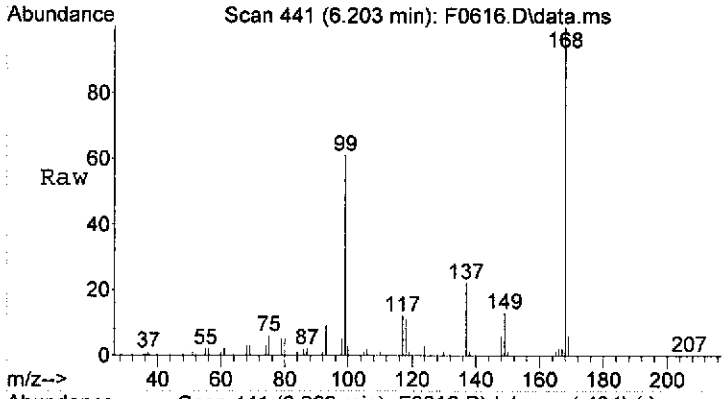
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0616.D
Acq On : 13 Jul 2010 16:29
Operator : XING
Sample : MW-9S,06728-004,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 13 16:53:01 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

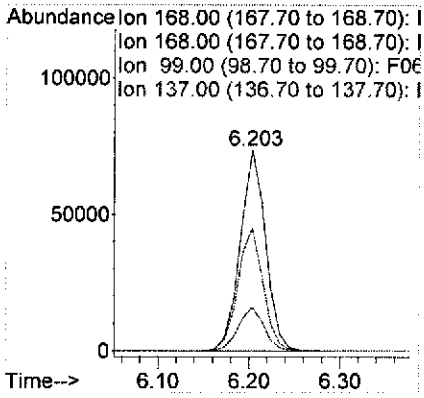


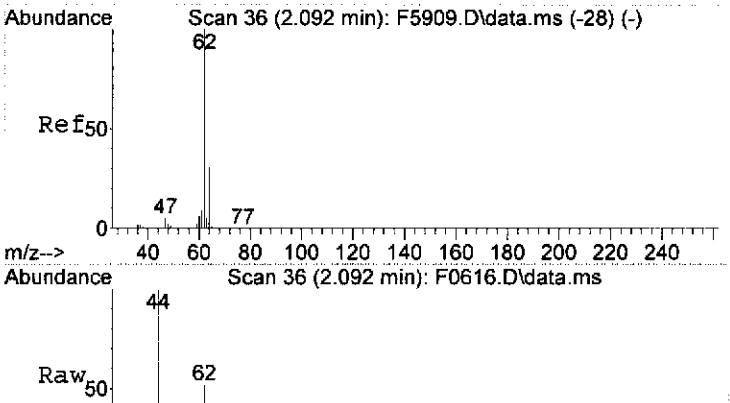


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.203 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0616.D
Acq: 13 Jul 2010 16:29

Tgt Ion:168 Resp: 142588

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0

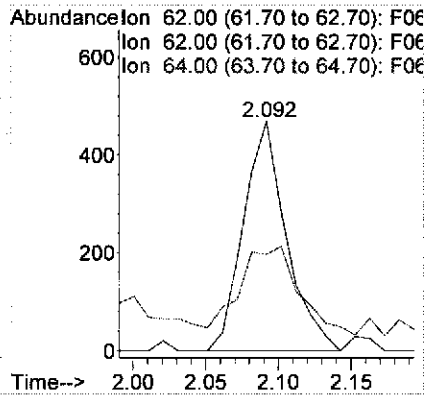


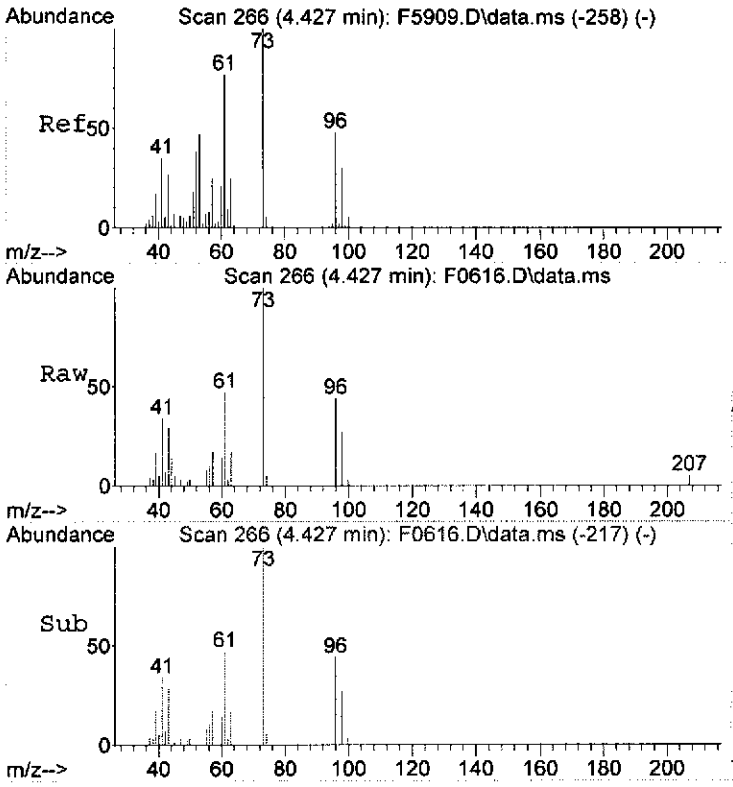


#4
Vinyl chloride
Concen: 1.17 UG
RT: 2.092 min Scan# 36
Delta R.T. 0.000 min
Lab File: F0616.D
Acq: 13 Jul 2010 16:29

Tgt Ion: 62 Resp: 962

Ion	Ratio	Lower	Upper
62	100		
62	100.0	80.0	120.0
64	0.0	24.6	36.8#

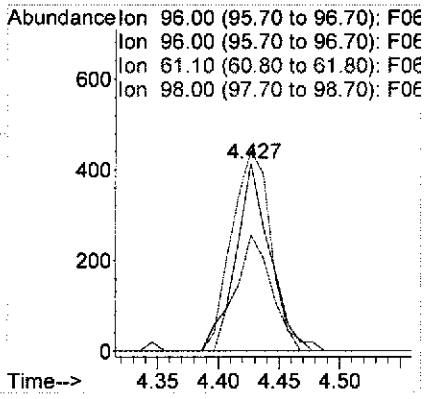


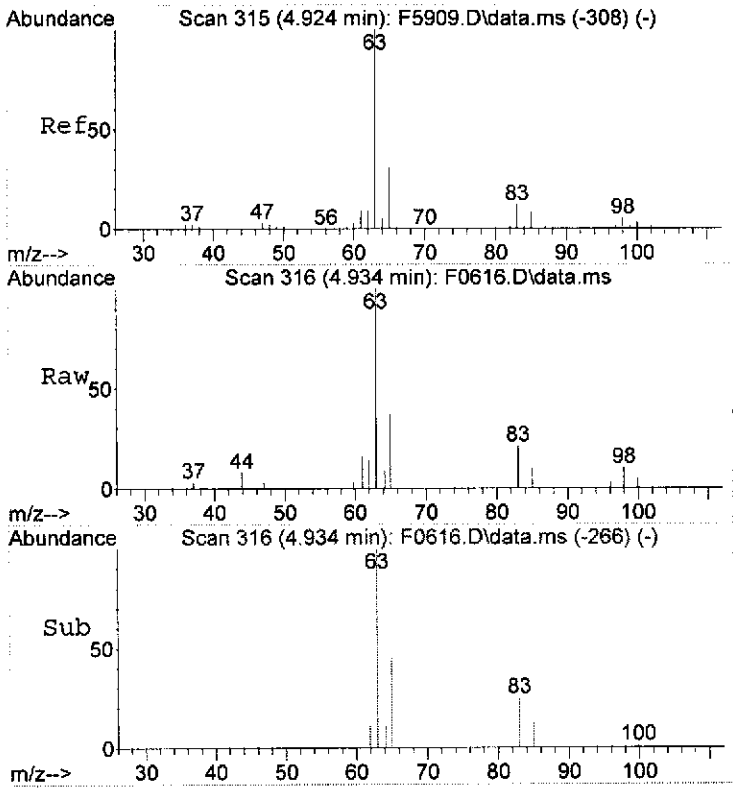


#16
trans-1,2-Dichloroethene
Concen: 0.63 UG
RT: 4.427 min Scan# 266
Delta R.T. 0.000 min
Lab File: F0616.D
Acq: 13 Jul 2010 16:29

Tgt Ion: 96 Resp: 824

Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
61	0.0	0.0	0.0
98	63.2	50.8	76.2

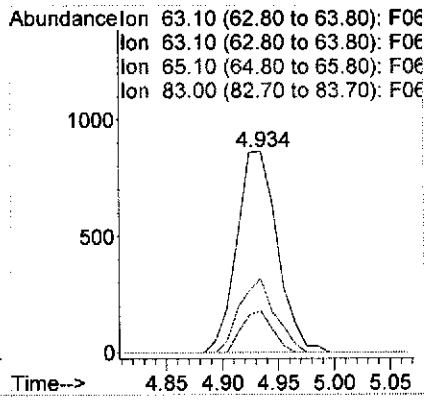


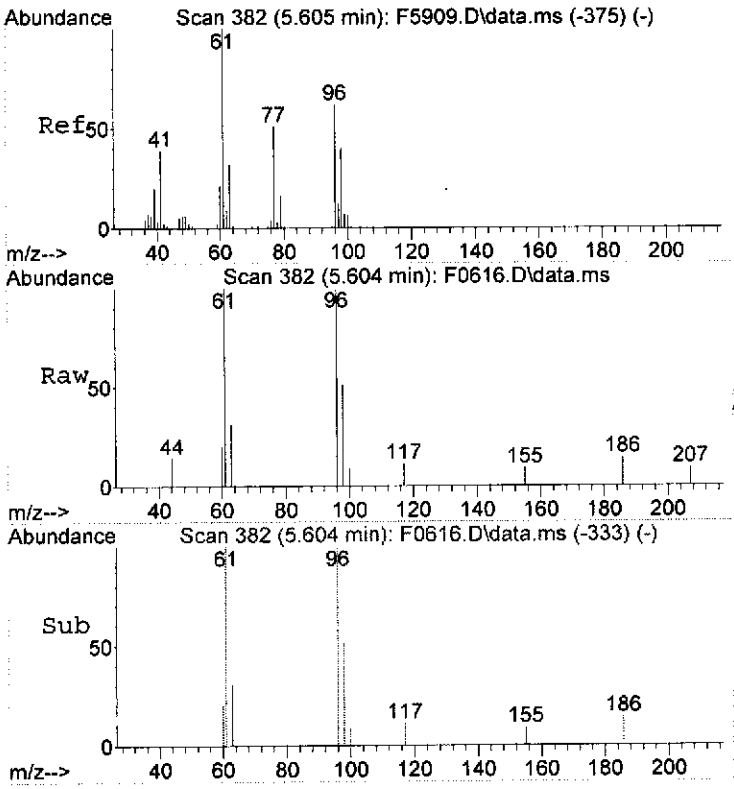


#18
1,1-Dichloroethane
Concen: 1.11 UG
RT: 4.934 min Scan# 316
Delta R.T. 0.010 min
Lab File: F0616.D
Acq: 13 Jul 2010 16:29

Tgt Ion: 63 Resp: 2176

Ion	Ratio	Lower	Upper
63	100		
63	100.0	80.0	120.0
65	32.0	24.7	37.1
83	15.5	10.2	15.2#

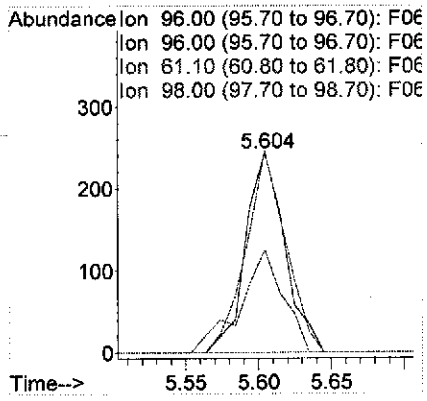


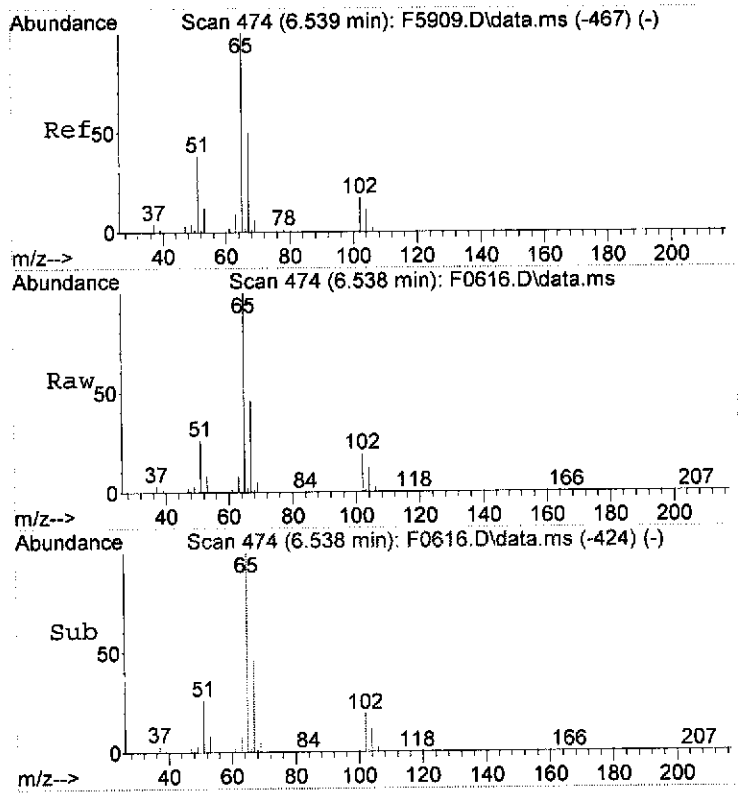


#20
cis-1,2-Dichloroethene
Concen: 0.36 UG
RT: 5.604 min Scan# 382
Delta R.T. 0.000 min
Lab File: F0616.D
Acq: 13 Jul 2010 16:29

Tgt Ion: 96 Resp: 454

Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
61	0.0	0.0	0.0
98	56.8	51.7	77.5

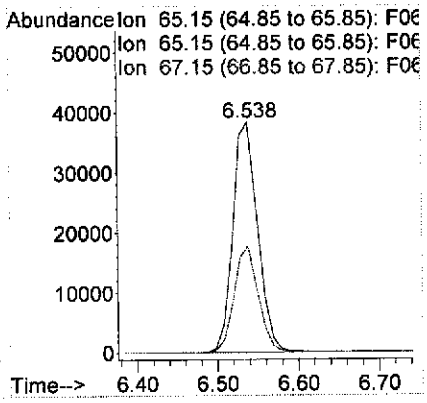


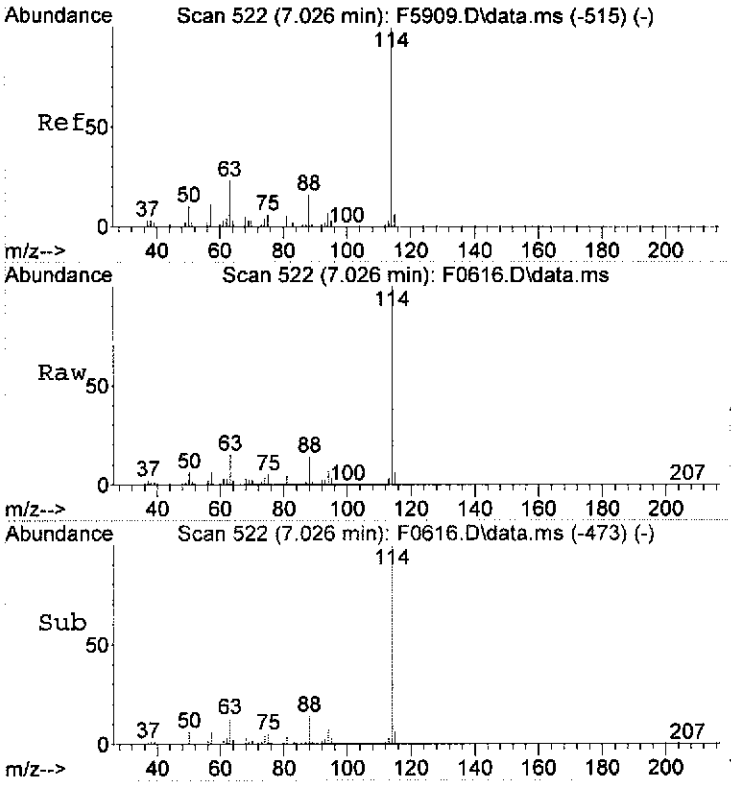


#30
1,2-Dichloroethane-d4
Concen: 60.38 UG
RT: 6.538 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0616.D
Acq: 13 Jul 2010 16:29

Tgt Ion: 65 Resp: 81740

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	44.9	41.3	61.9

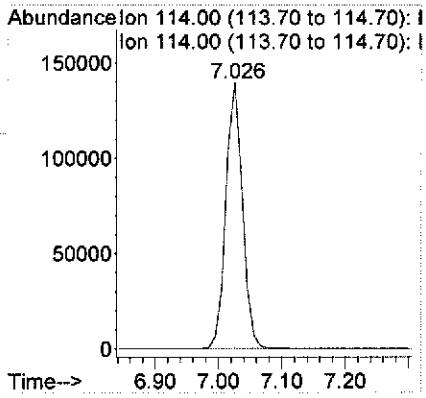


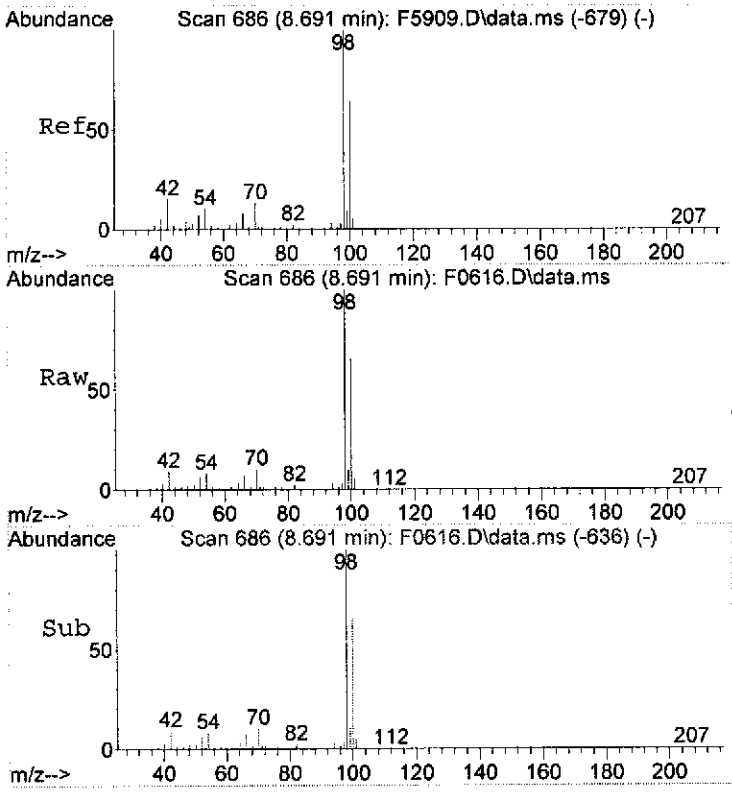


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0616.D
Acq: 13 Jul 2010 16:29

Tgt Ion:114 Resp: 253879

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

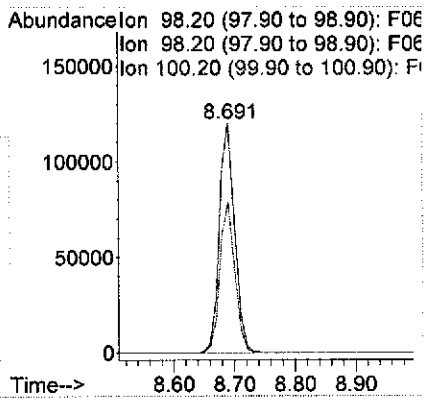


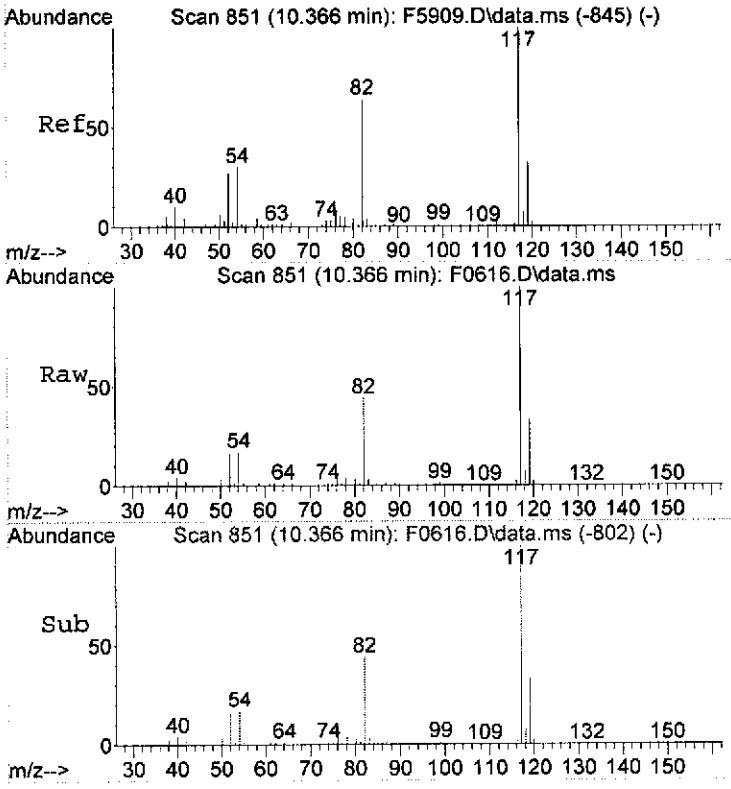


#41
Toluene-d8
Concen: 47.30 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0616.D
Acq: 13 Jul 2010 16:29

Tgt Ion: 98 Resp: 209613

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	64.3	51.2	76.8

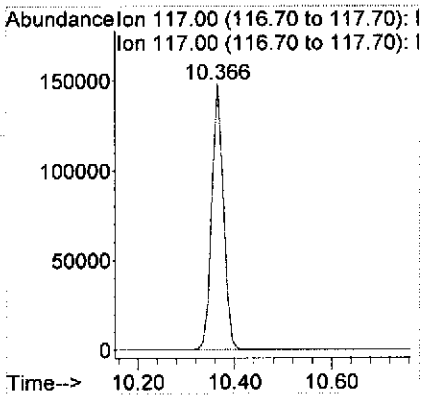


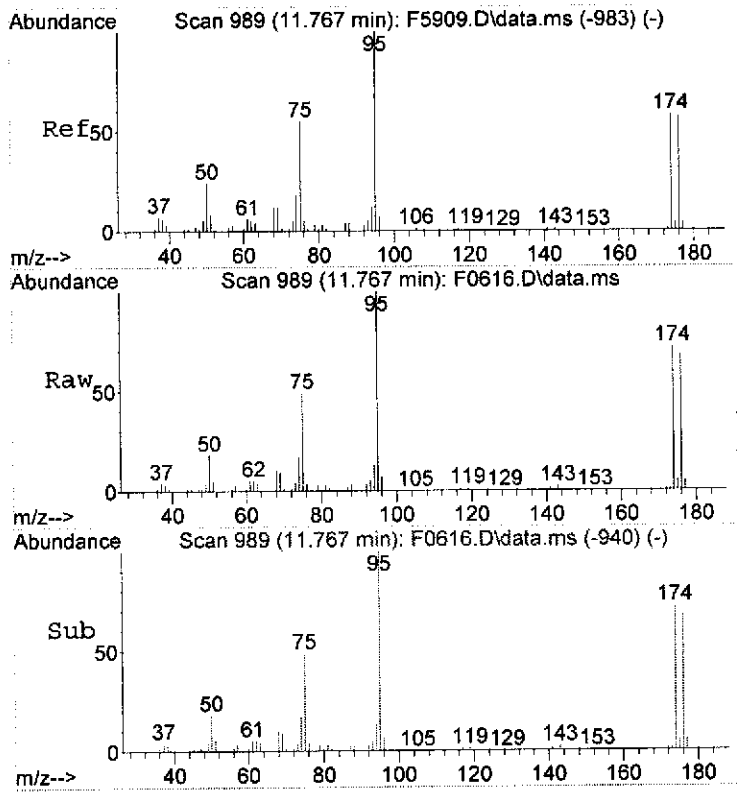


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0616.D
Acq: 13 Jul 2010 16:29

Tgt Ion:117 Resp: 249984

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

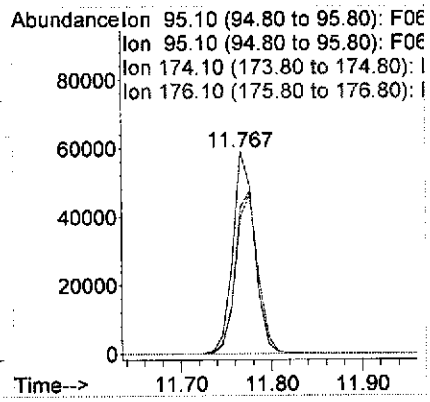




#59
Bromofluorobenzene
Concen: 47.74 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0616.D
Acq: 13 Jul 2010 16:29

Tgt Ion: 95 Resp: 97219

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	84.3	62.2	93.4
176	81.4	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0617.D
Acq On : 13 Jul 2010 16:55
Operator : XING
Sample : MW-9D,06728-005,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 14 10:12:41 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.204	168	164208	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.026	114	280176	50.00	UG	0.00
50) Chlorobenzene-d5	10.366	117	270080	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.539	65	88228	56.59	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 113.18%			
41) Toluene-d8	8.691	98	230677	47.17	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.34%			
59) Bromofluorobenzene	11.767	95	101674	46.22	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 92.44%			

Target Compounds	Qvalue

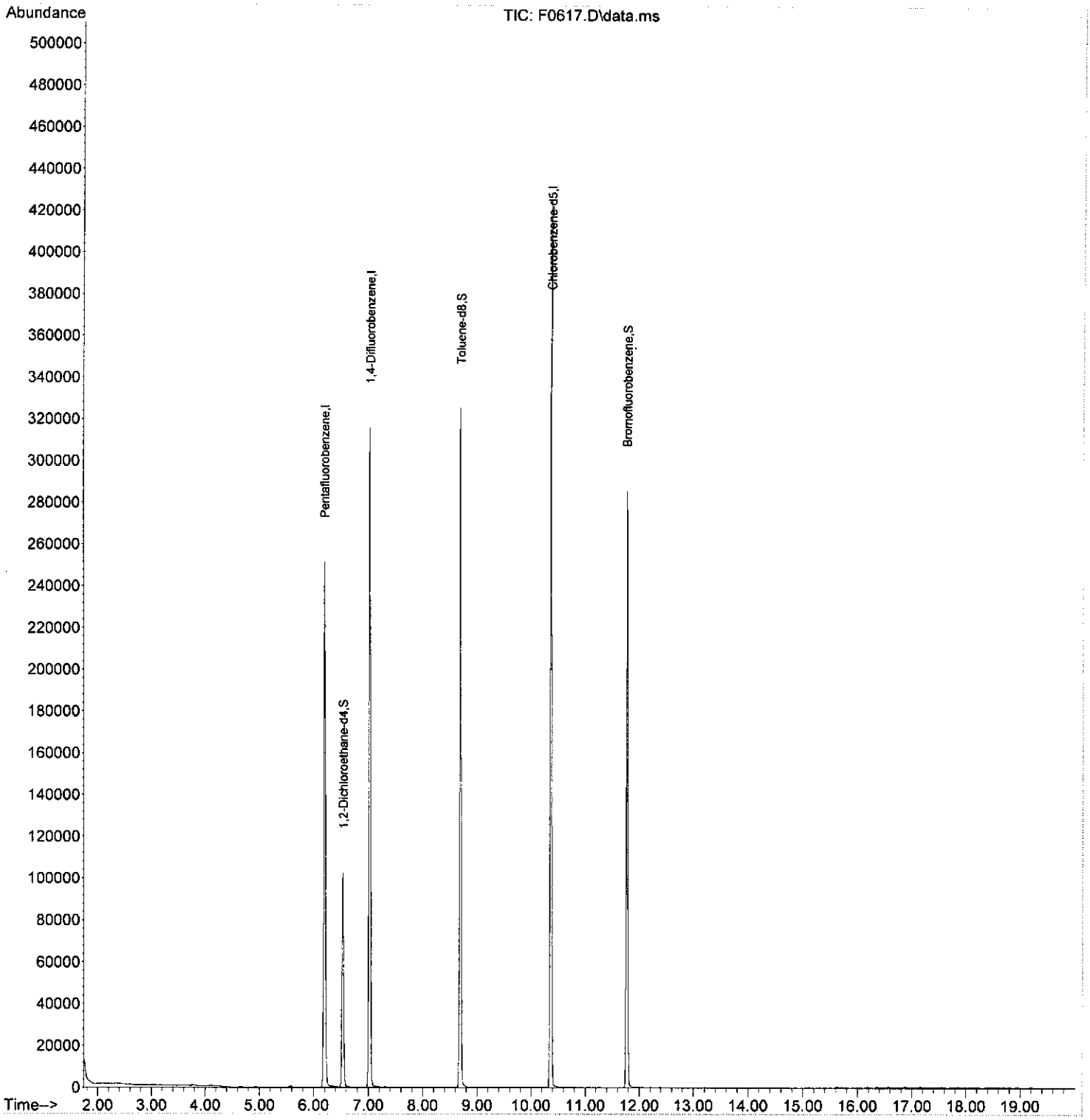
(#) = qualifier out of range (m) = manual integration (+) = signals summed

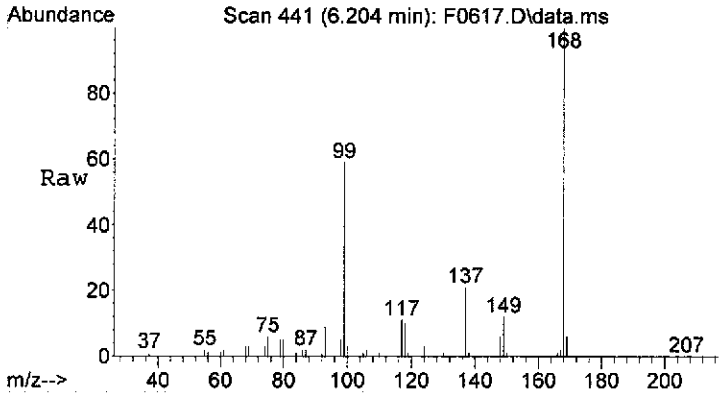
0083

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0617.D
Acq On : 13 Jul 2010 16:55
Operator : XING
Sample : MW-9D,06728-005,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 14 10:12:41 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

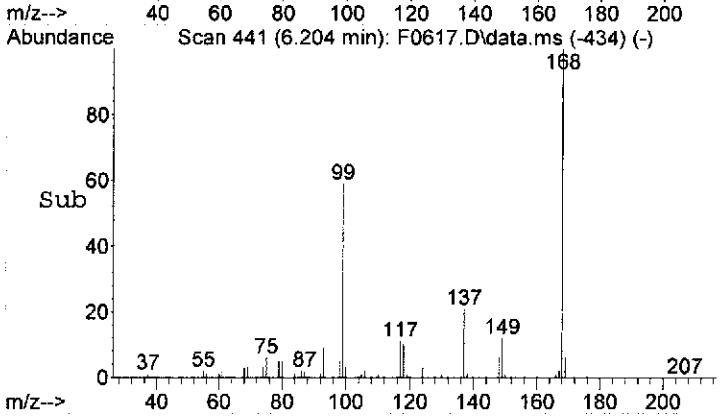


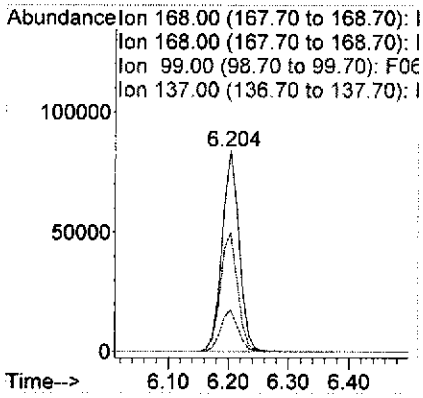


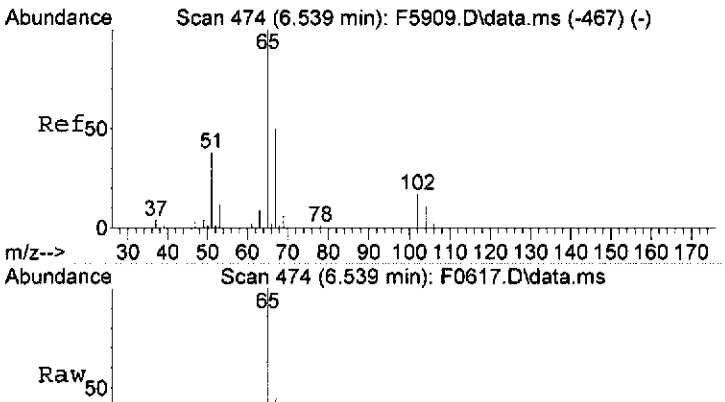
#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.204 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0617.D
Acq: 13 Jul 2010 16:55

Tgt Ion:168 Resp: 164208

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0



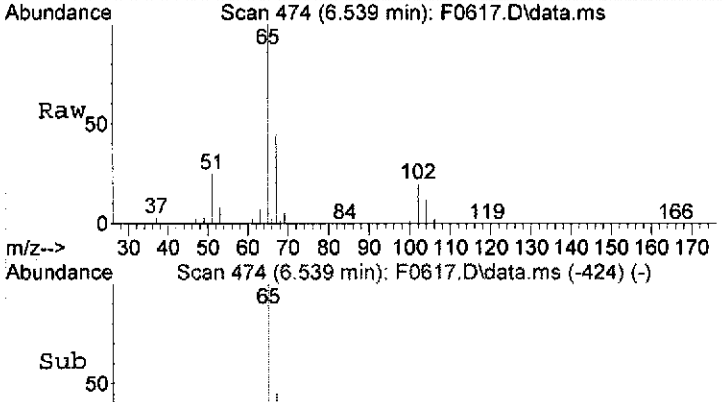


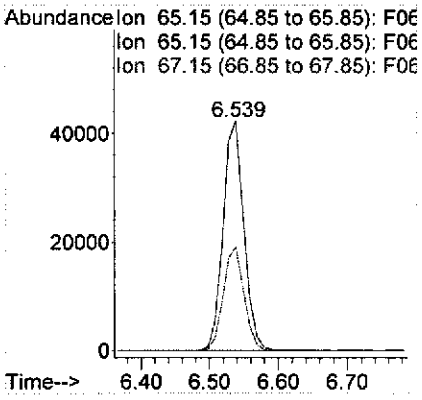


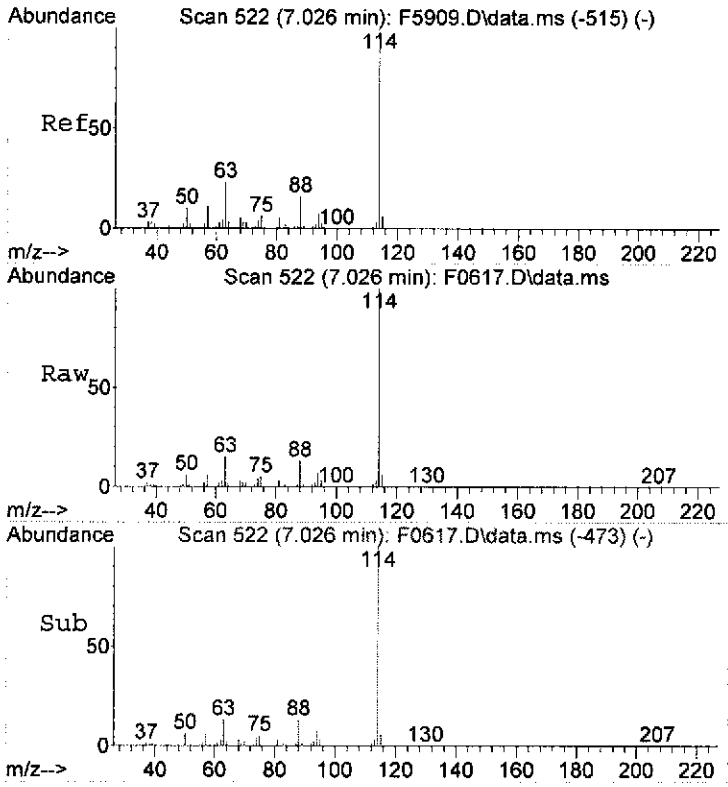
#30
1,2-Dichloroethane-d4
Concen: 56.59 UG
RT: 6.539 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0617.D
Acq: 13 Jul 2010 16:55

Tgt Ion: 65 Resp: 88228

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	44.9	41.3	61.9



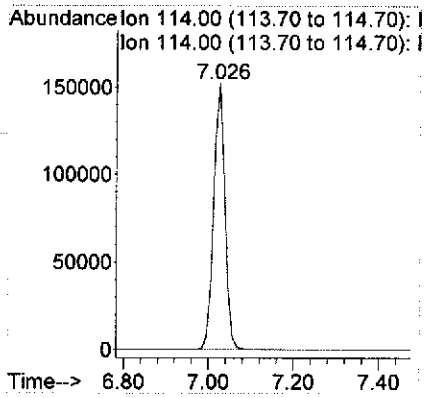


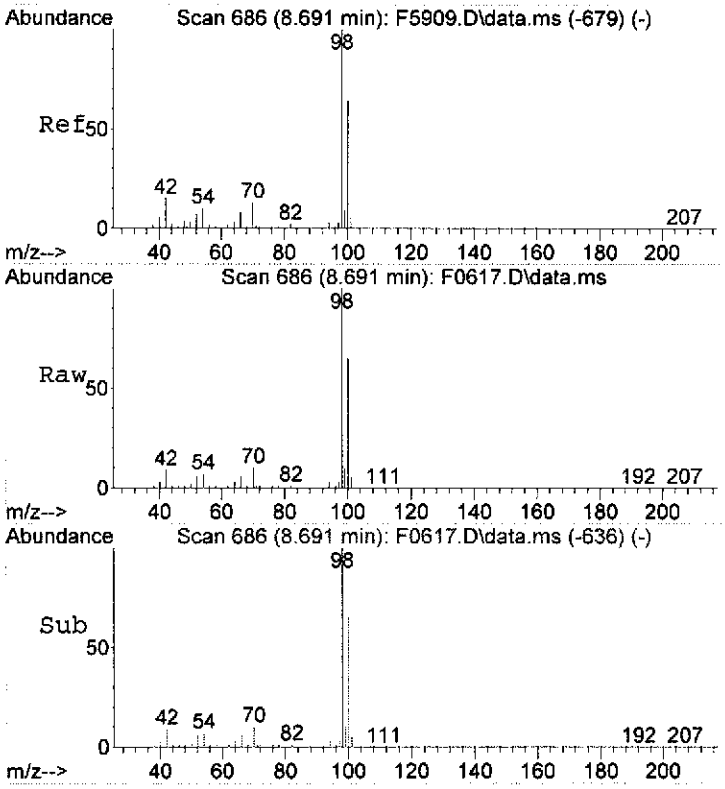


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0617.D
Acq: 13 Jul 2010 16:55

Tgt Ion:114 Resp: 280176

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

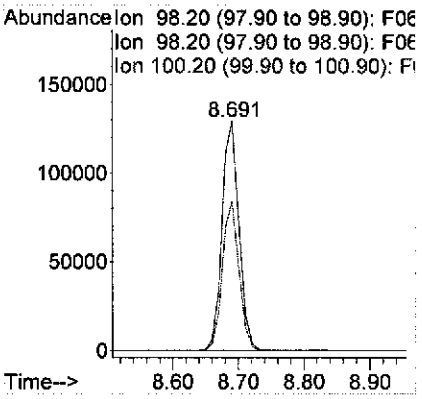


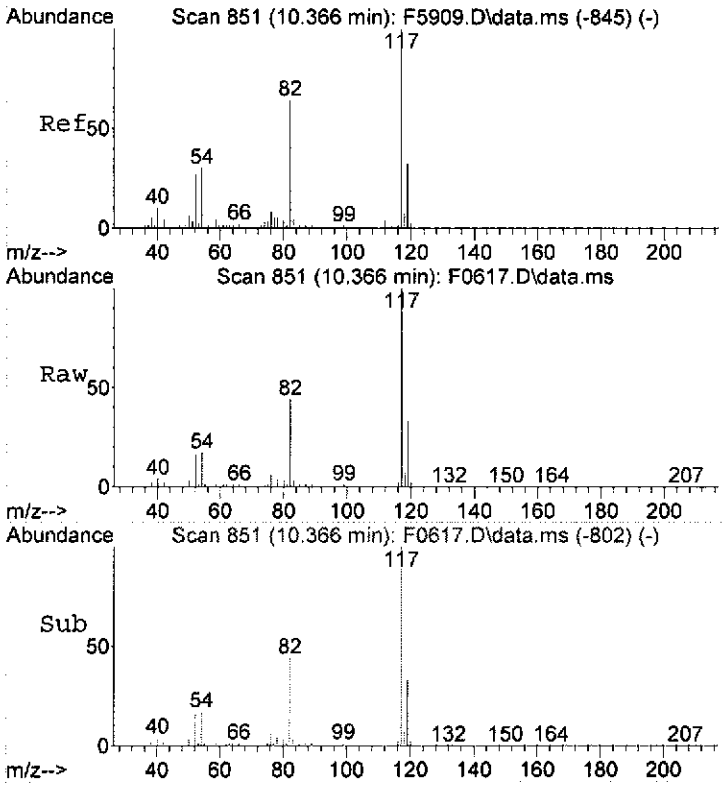


#41
Toluene-d8
Concen: 47.17 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0617.D
Acq: 13 Jul 2010 16:55

Tgt Ion: 98 Resp: 230677

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	64.0	51.2	76.8

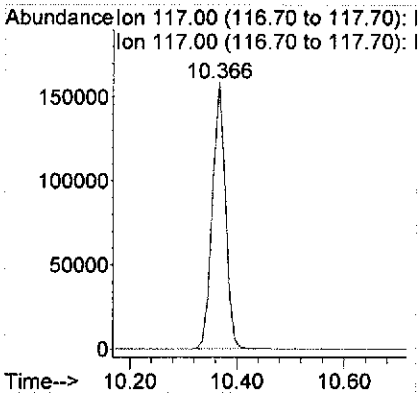


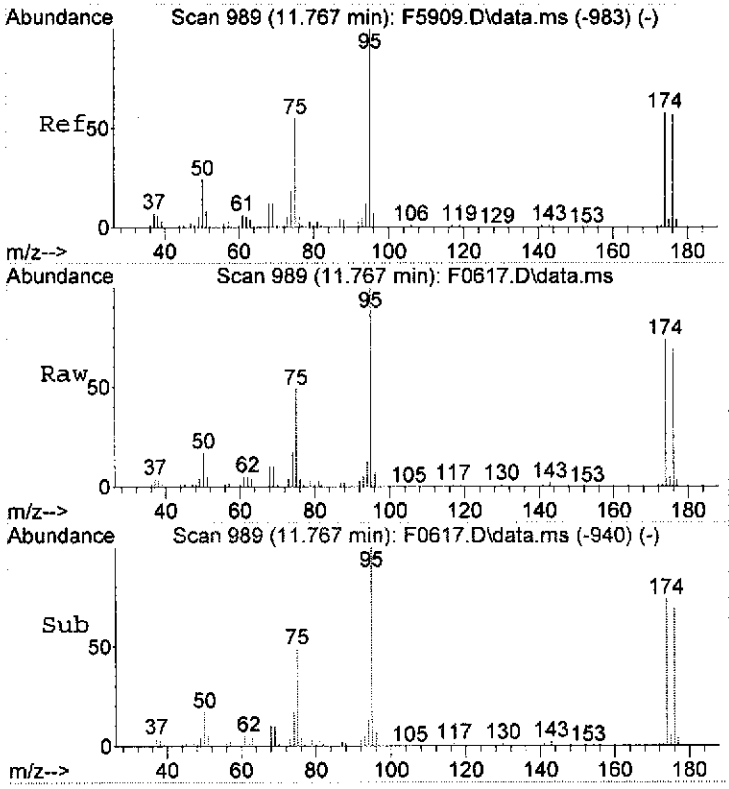


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0617.D
Acq: 13 Jul 2010 16:55

Tgt Ion:117 Resp: 270080

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

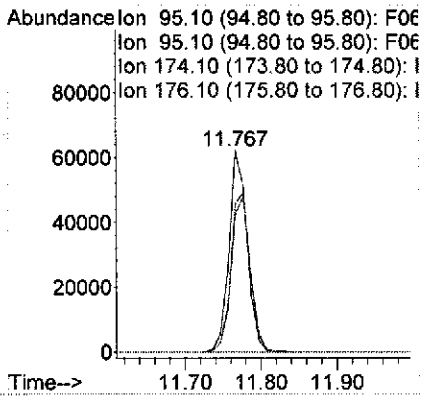




#59
Bromofluorobenzene
Concen: 46.22 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0617.D
Acq: 13 Jul 2010 16:55

Tgt Ion: 95 Resp: 101674

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	85.6	62.2	93.4
176	80.7	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0618.D
Acq On : 13 Jul 2010 17:22
Operator : XING
Sample : MW-6S,06728-006,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 14 15:44:27 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.203	168	146744	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.026	114	256120	50.00	UG	0.00
50) Chlorobenzene-d5	10.366	117	253236	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.538	65	82632	59.31	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 118.62%			
41) Toluene-d8	8.691	98	215035	48.10	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 96.20%			
59) Bromofluorobenzene	11.767	95	94966	46.04	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 92.08%			
Target Compounds						Qvalue
26) 1,1,1-Trichloroethane	6.173	97	5779	2.51	UG	# 58
33) Trichloroethene	7.310	95	24298	16.27	UG	# 77
45) Tetrachloroethene	9.391	166	3543	2.46	UG	# 99

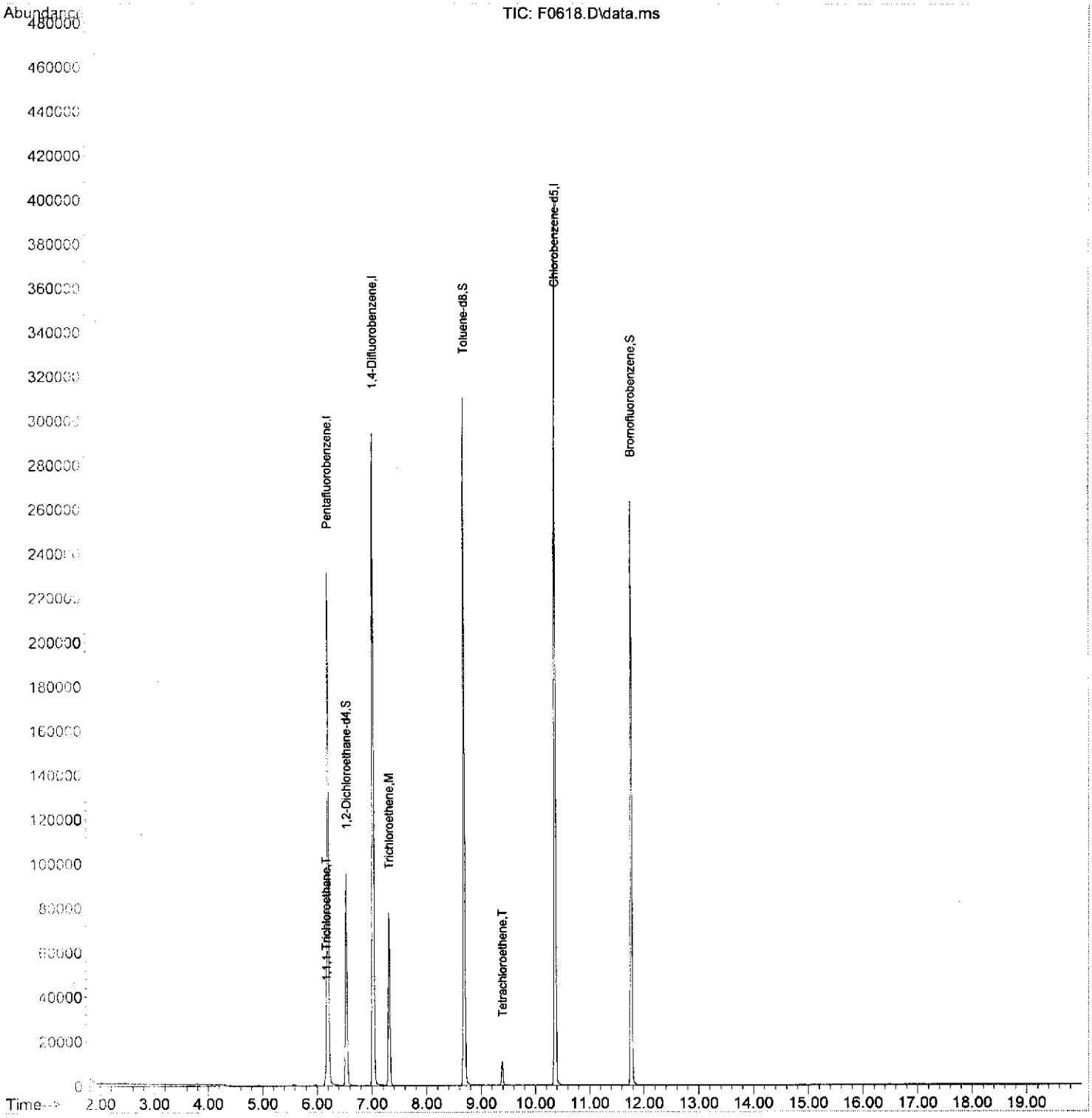
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00887

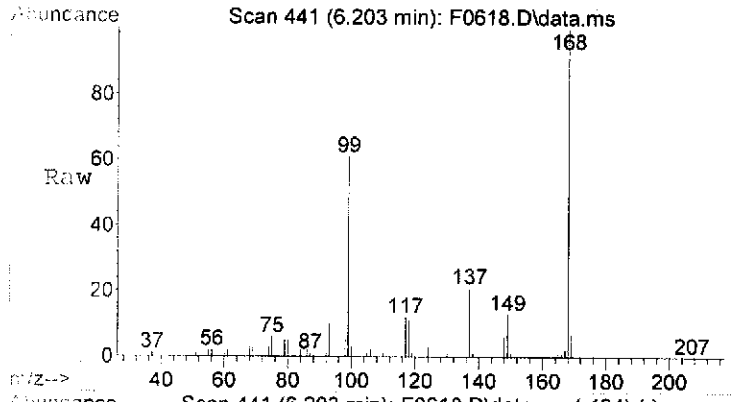
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0618.D
Acq On : 13 Jul 2010 17:22
Operator : XING
Sample : MW-6S,06728-006,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 14 15:44:27 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



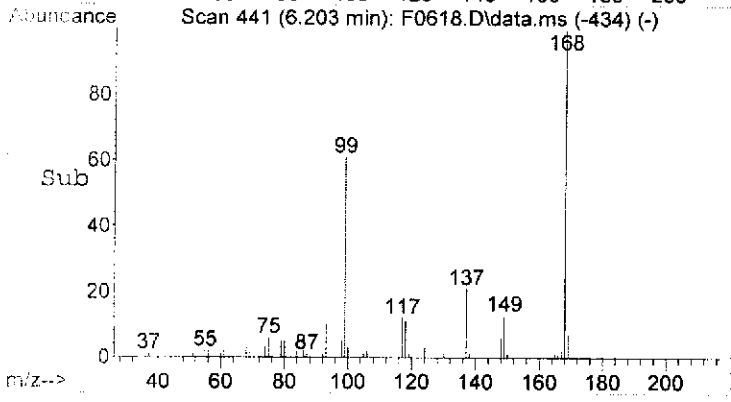
0089

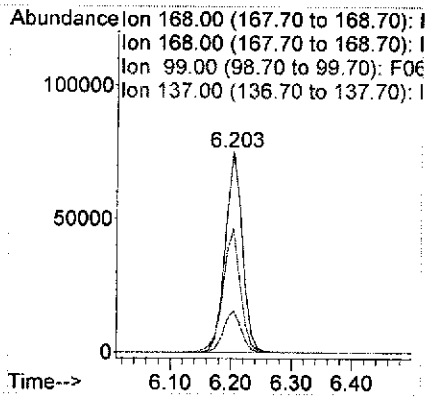


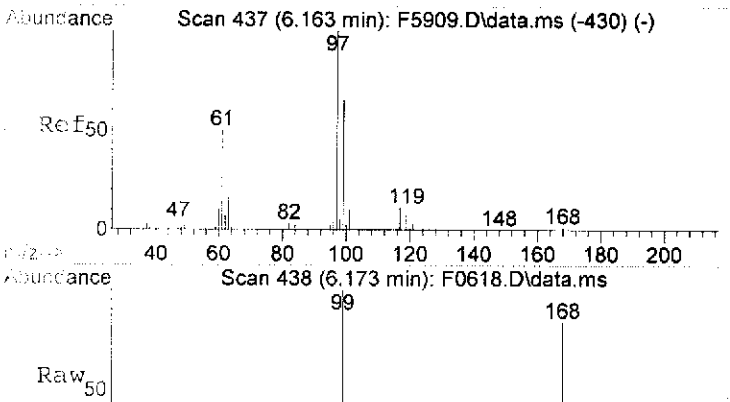
#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.203 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0618.D
Acq: 13 Jul 2010 17:22

Tgt Ion:168 Resp: 146744

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0



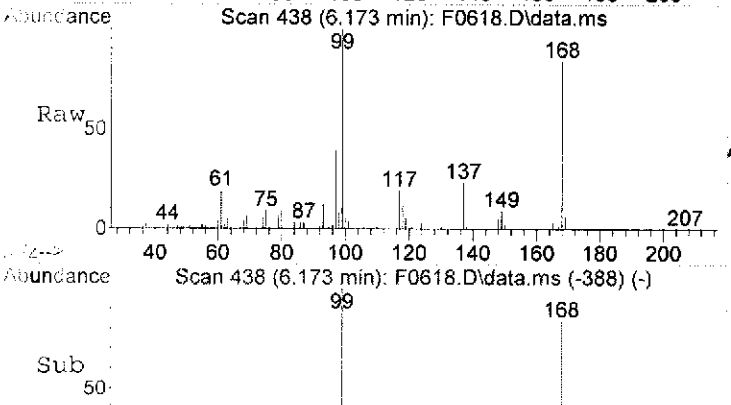


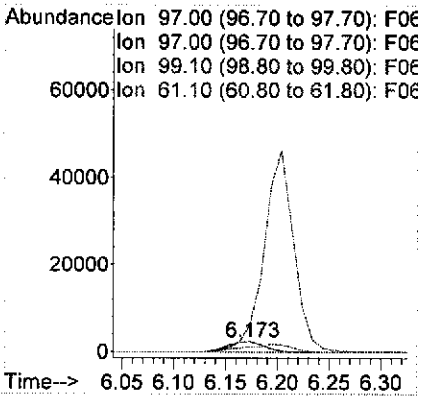


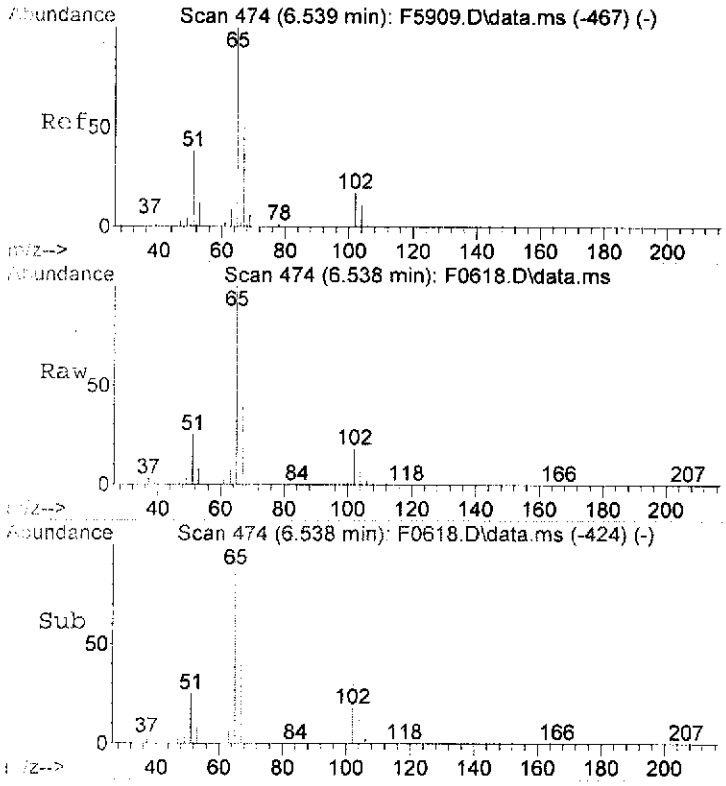
#26
1,1,1-Trichloroethane
Concen: 2.51 UG
RT: 6.173 min Scan# 438
Delta R.T. 0.010 min
Lab File: F0618.D
Acq: 13 Jul 2010 17:22

Tgt Ion: 97 Resp: 5779

Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	0.0	67.2	100.8#
61	0.0	0.0	0.0



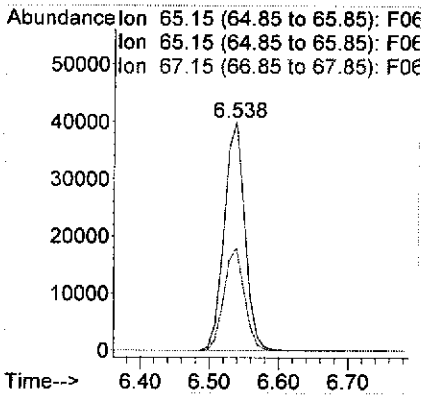


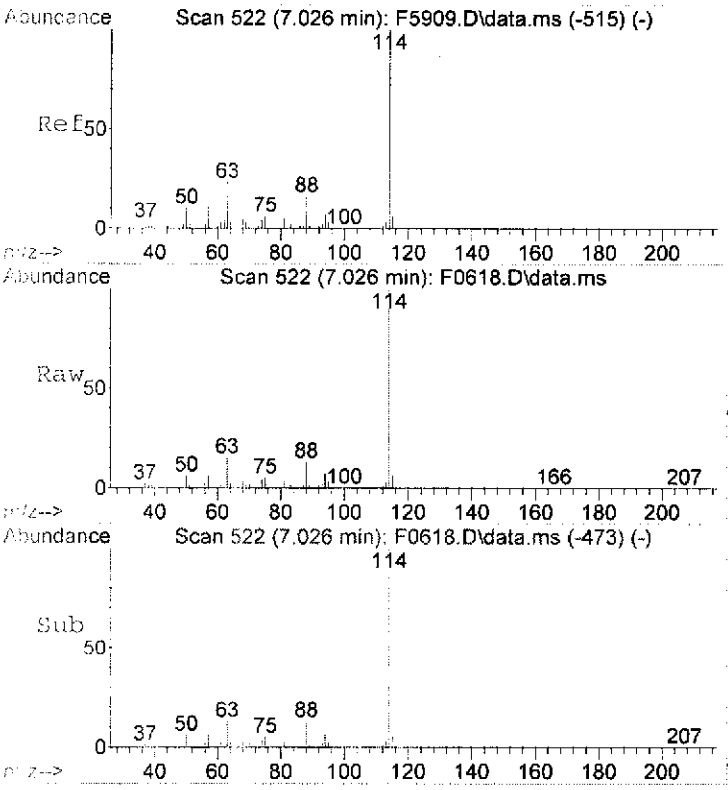


#30
1,2-Dichloroethane-d4
Concen: 59.31 UG
RT: 6.538 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0618.D
Acq: 13 Jul 2010 17:22

Tgt Ion: 65 Resp: 82632

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	44.8	41.3	61.9

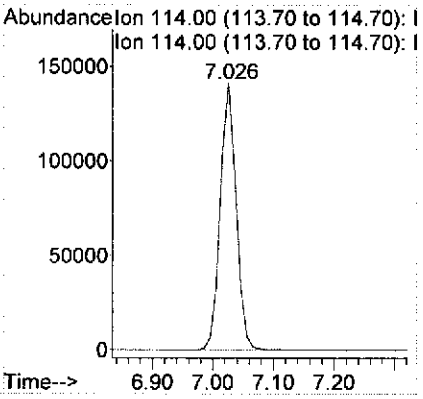


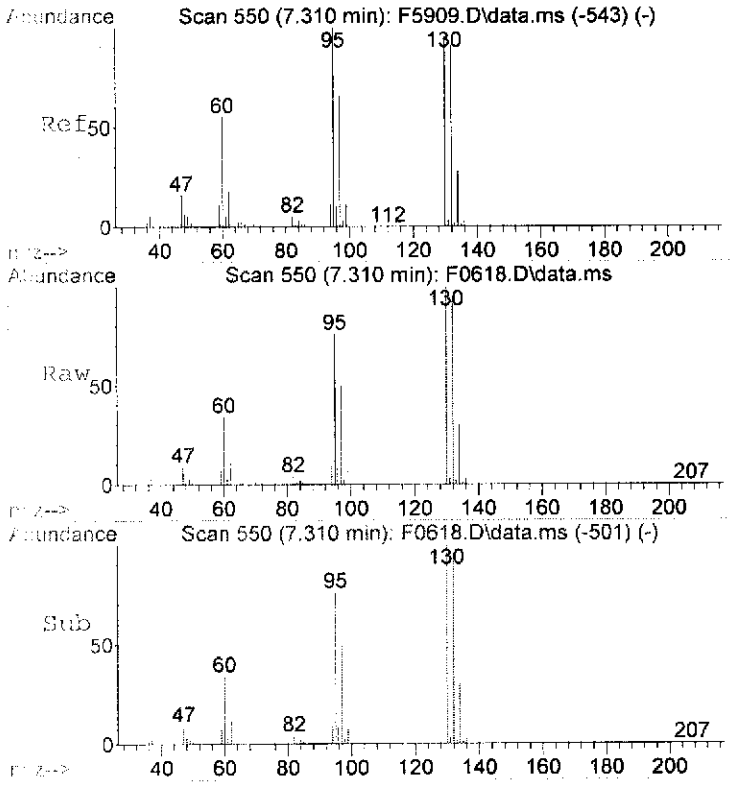


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0618.D
Acq: 13 Jul 2010 17:22

Tgt Ion:114 Resp: 256120

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

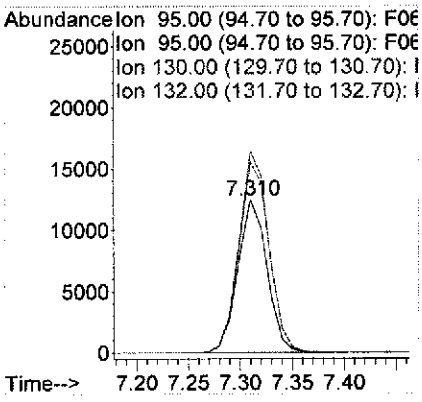


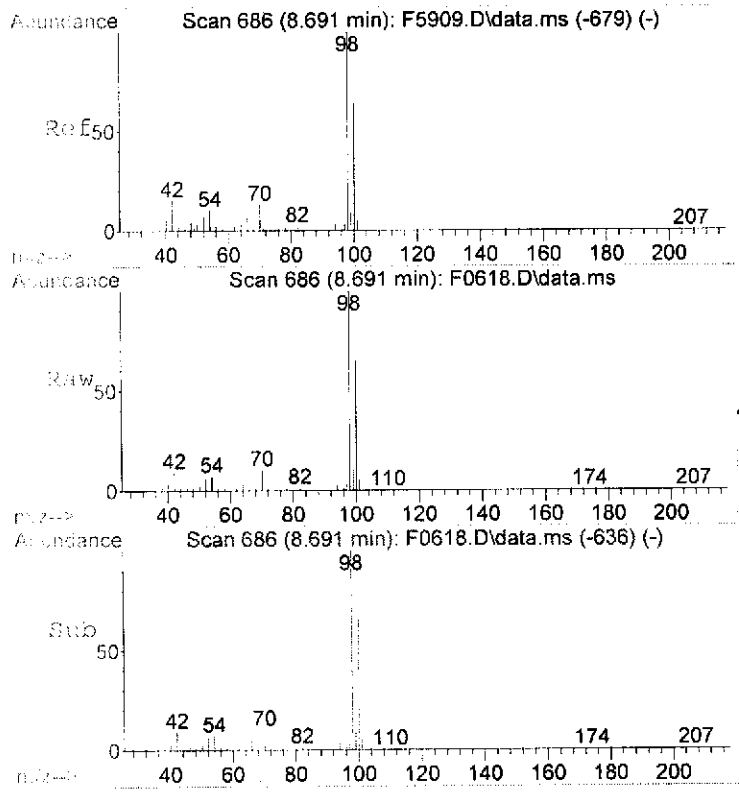


#33
Trichloroethene
Concen: 16.27 UG
RT: 7.310 min Scan# 550
Delta R.T. 0.000 min
Lab File: F0618.D
Acq: 13 Jul 2010 17:22

Tgt Ion: 95 Resp: 24298

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
130	134.0	80.4	120.6#
132	128.9	74.2	111.2#

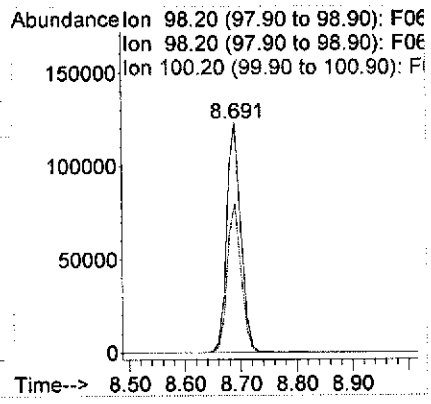


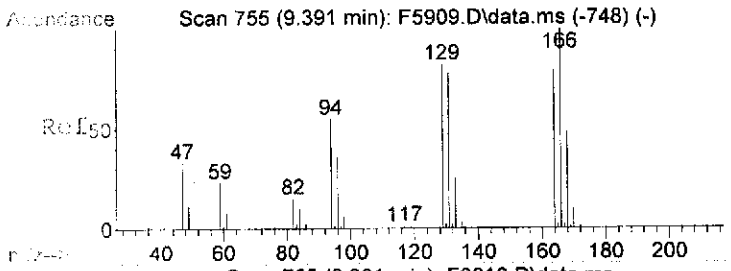


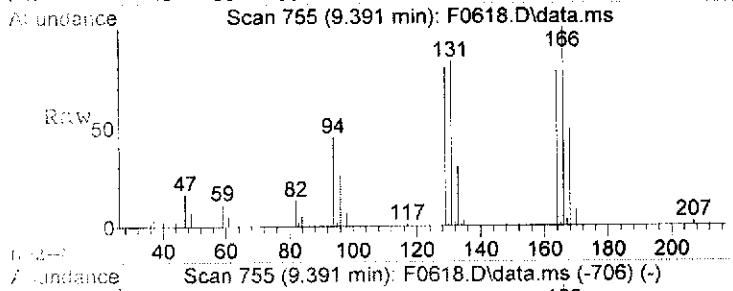
#41
Toluene-d8
Concen: 48.10 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0618.D
Acq: 13 Jul 2010 17:22

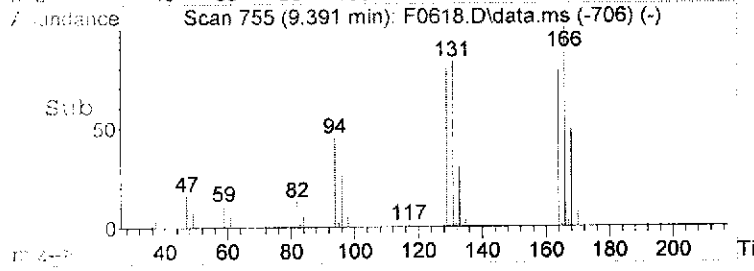
Tgt Ion: 98 Resp: 215035

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	64.2	51.2	76.8





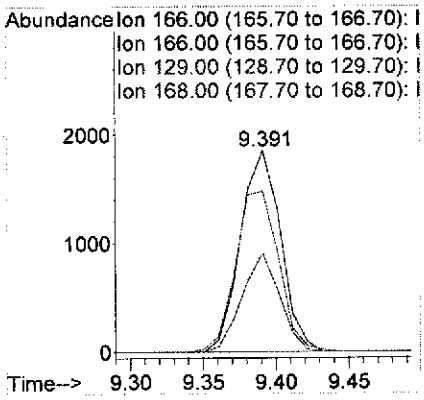


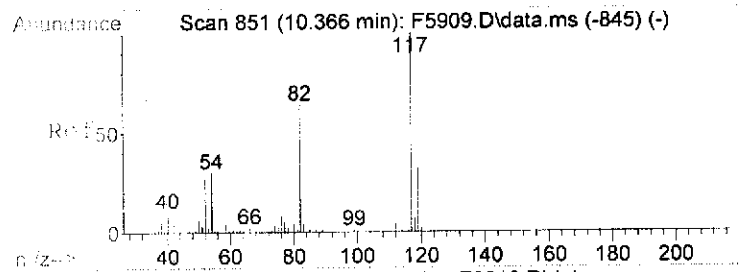


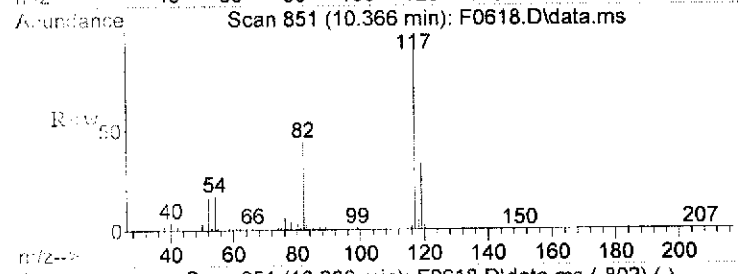
#45
Tetrachloroethene
Concen: 2.46 UG
RT: 9.391 min Scan# 755
Delta R.T. 0.000 min
Lab File: F0618.D
Acq: 13 Jul 2010 17:22

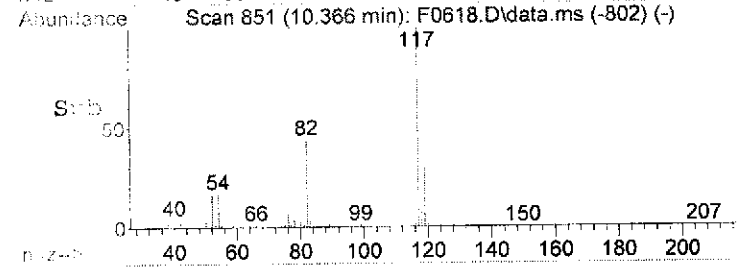
Tgt Ion:166 Resp: 3543

Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
129	0.0	0.0	0.0
168	45.9	38.2	57.2





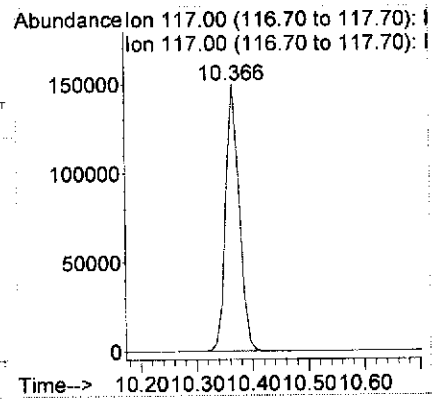


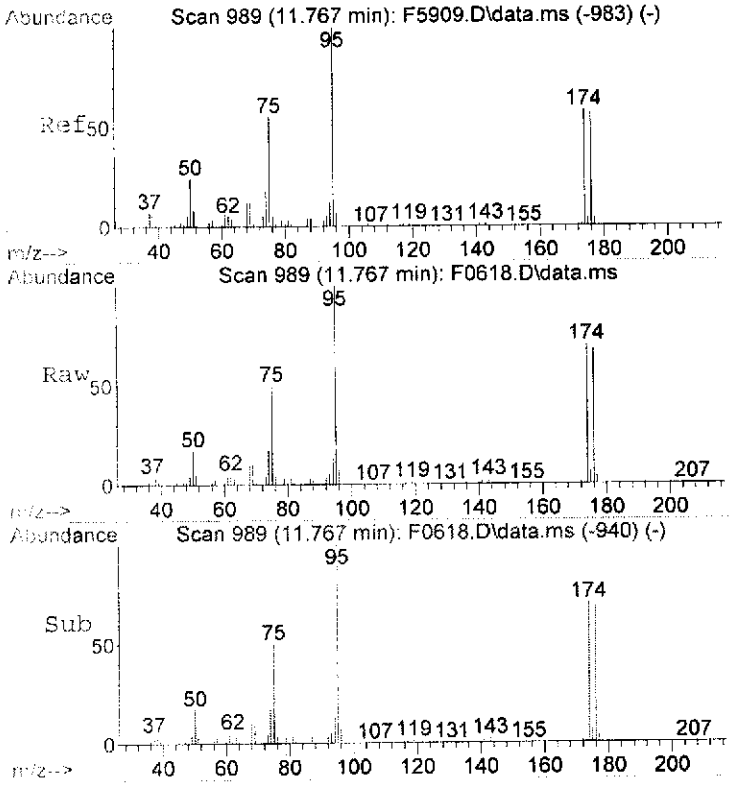


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0618.D
Acq: 13 Jul 2010 17:22

Tgt Ion:117 Resp: 253236

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

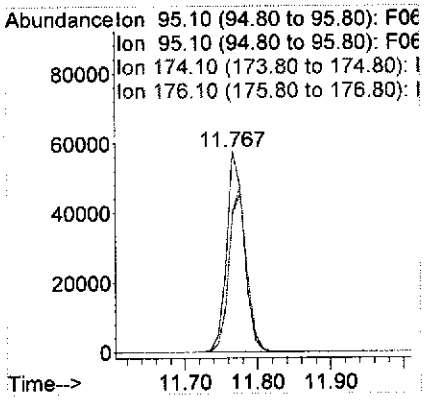




#59
Bromofluorobenzene
Concen: 46.04 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0618.D
Acq: 13 Jul 2010 17:22

Tgt Ion: 95 Resp: 94966

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	84.6	62.2	93.4
176	82.1	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0619.D
Acq On : 13 Jul 2010 17:48
Operator : XING
Sample : MW-13R,06728-007,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 26 10:25:30 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.204	168	144315	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.026	114	253484	50.00	UG	0.00
50) Chlorobenzene-d5	10.366	117	252299	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.539	65	82369	60.12	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 120.24%			
41) Toluene-d8	8.691	98	214267	48.43	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 96.86%			
59) Bromofluorobenzene	11.767	95	94532	46.00	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 92.00%			
Target Compounds						Qvalue
18) 1,1-Dichloroethane	4.935	63	1267	0.64	UG	# 88
20) cis-1,2-Dichloroethene	5.615	96	554	0.43	UG	# 95
33) Trichloroethene	7.310	95	1432	0.97	UG	# 77

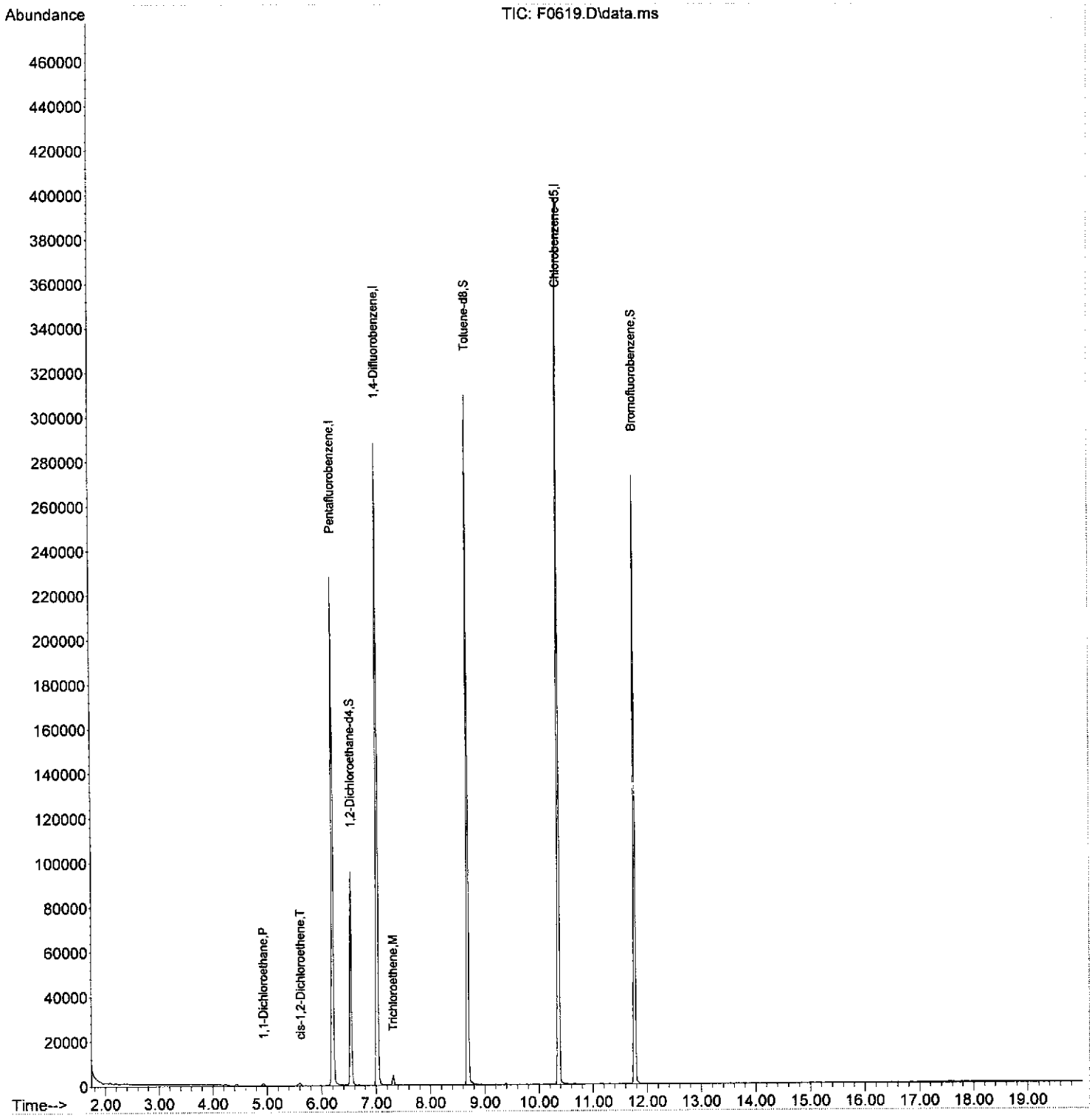
(#) = qualifier out of range (m) = manual integration (+) = signals summed

0095

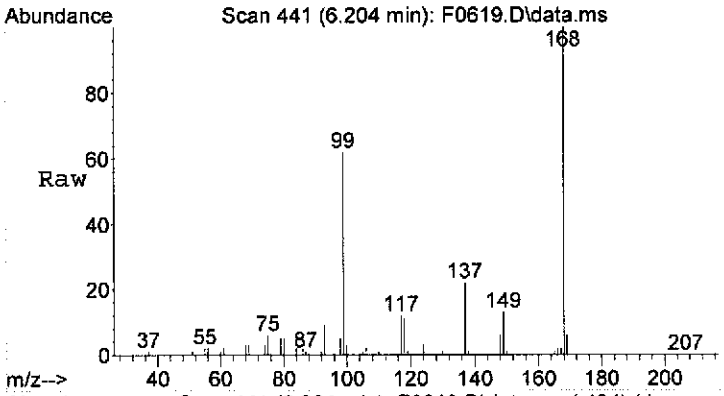
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0619.D
Acq On : 13 Jul 2010 17:48
Operator : XING
Sample : MW-13R,06728-007,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 26 10:25:30 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



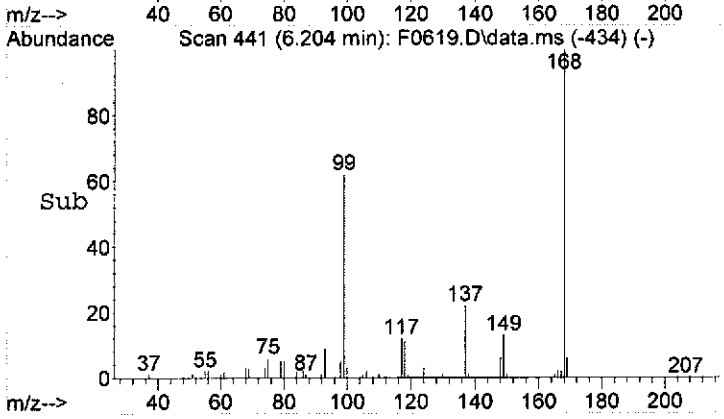
0096

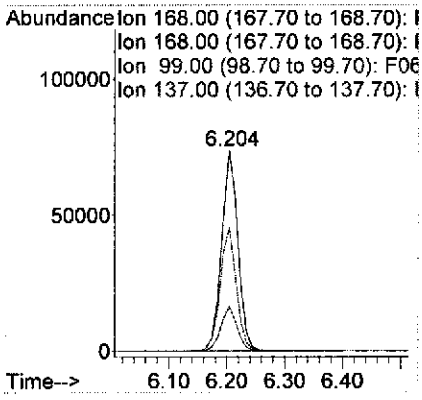


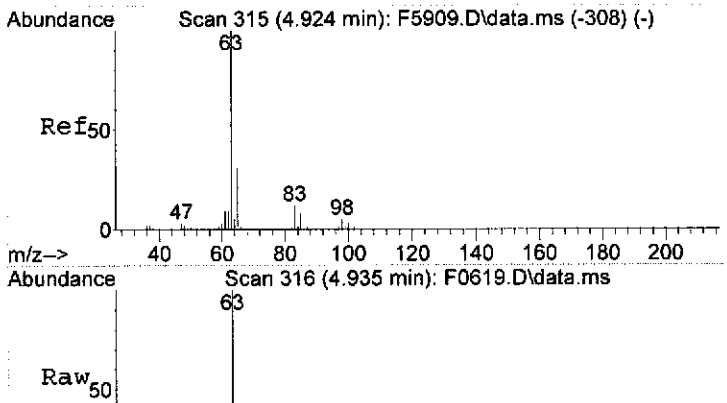
#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.204 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0619.D
Acq: 13 Jul 2010 17:48

Tgt Ion:168 Resp: 144315

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0



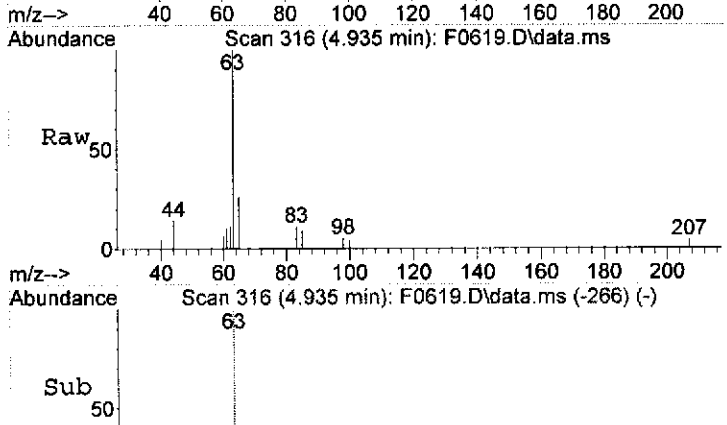


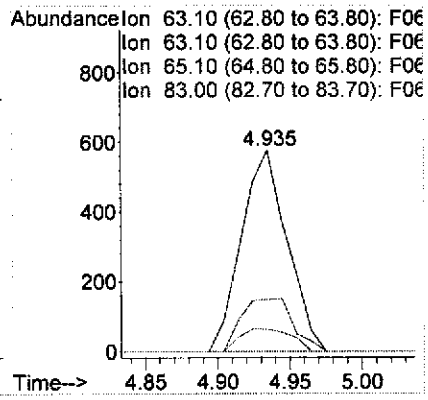


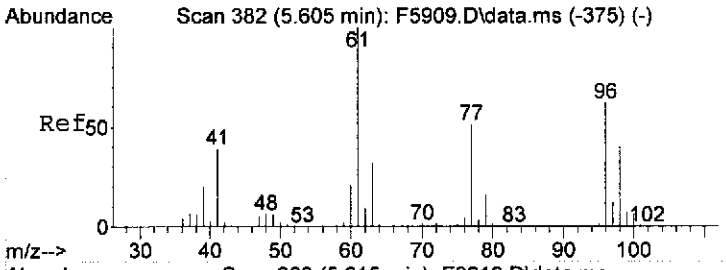
#18
1,1-Dichloroethane
Concen: 0.64 UG
RT: 4.935 min Scan# 316
Delta R.T. 0.010 min
Lab File: F0619.D
Acq: 13 Jul 2010 17:48

Tgt Ion: 63 Resp: 1267

Ion	Ratio	Lower	Upper
63	100		
63	100.0	80.0	120.0
65	0.0	24.7	37.1#
83	12.5	10.2	15.2



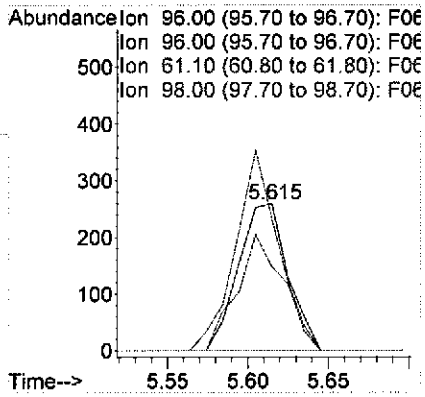


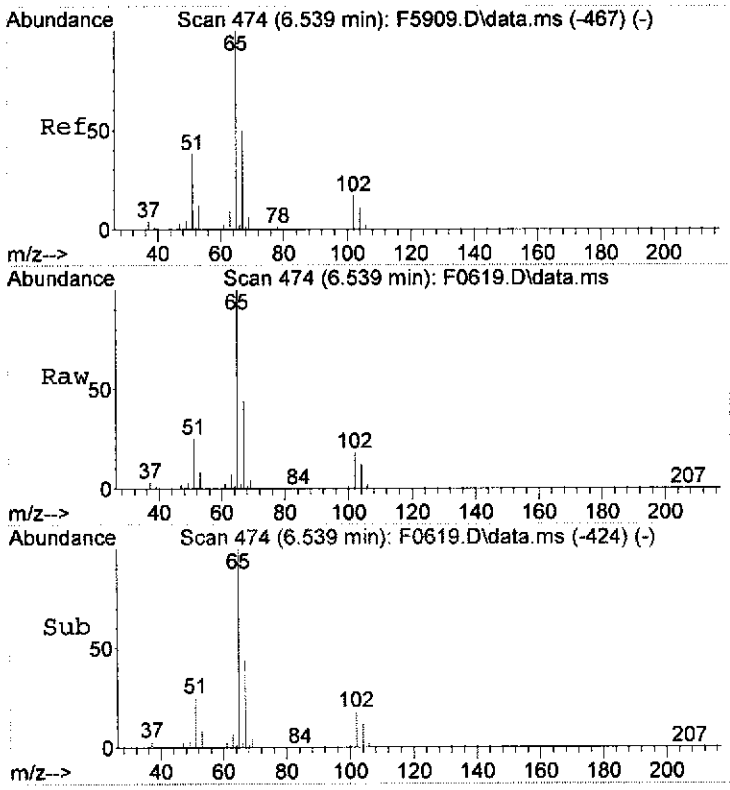


#20
cis-1,2-Dichloroethene
Concen: 0.43 UG
RT: 5.615 min Scan# 383
Delta R.T. 0.010 min
Lab File: F0619.D
Acq: 13 Jul 2010 17:48

Tgt Ion: 96 Resp: 554

Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
61	118.6	0.0	0.0#
98	74.7	51.7	77.5

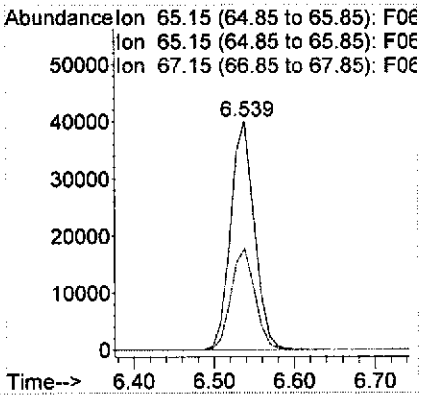


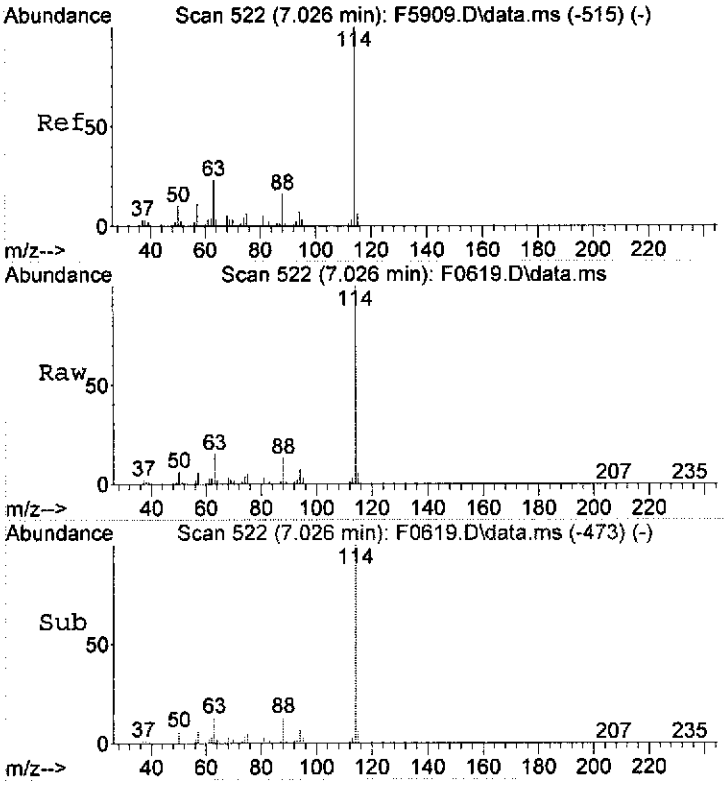


#30
1,2-Dichloroethane-d4
Concen: 60.12 UG
RT: 6.539 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0619.D
Acq: 13 Jul 2010 17:48

Tgt Ion: 65 Resp: 82369

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	44.5	41.3	61.9

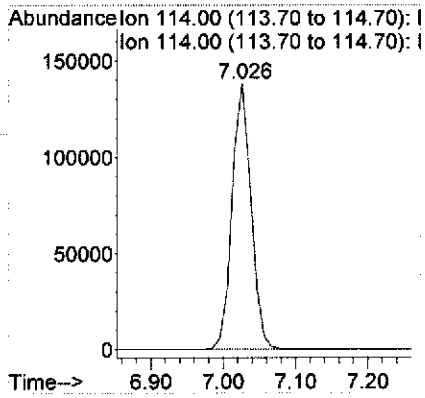


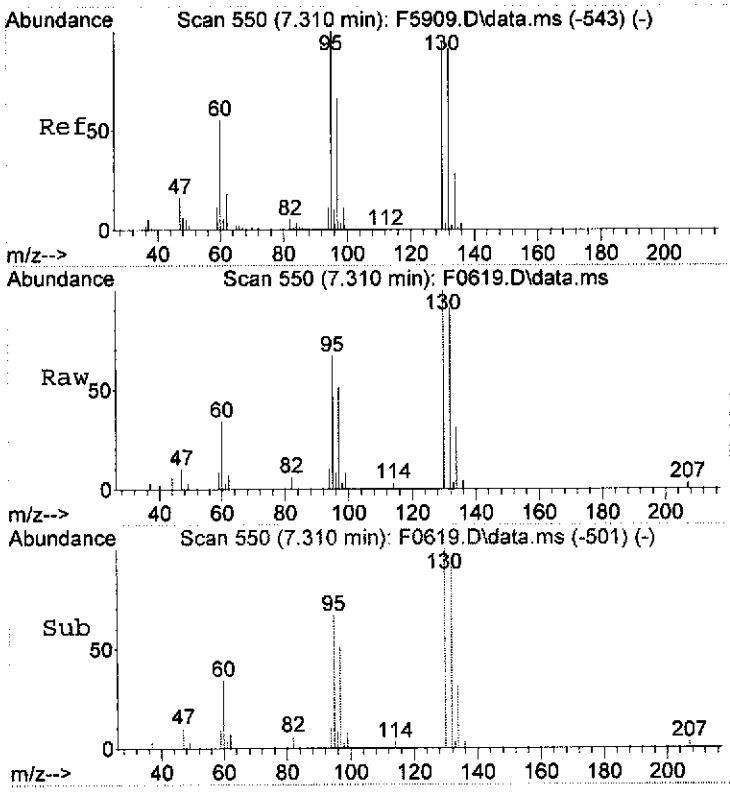


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0619.D
Acq: 13 Jul 2010 17:48

Tgt Ion:114 Resp: 253484

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

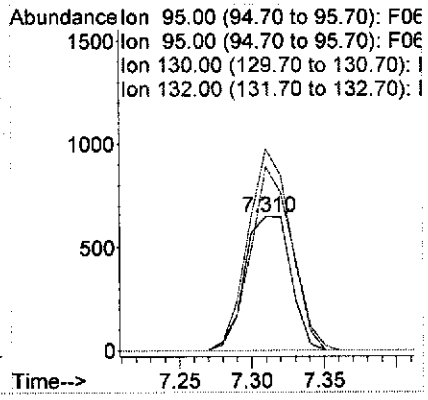


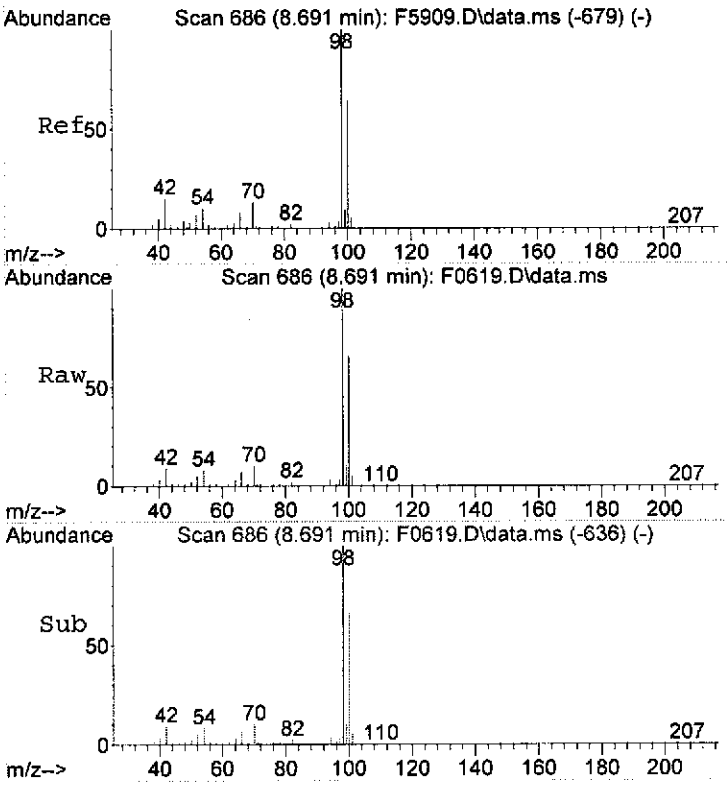


#33
Trichloroethene
Concen: 0.97 UG
RT: 7.310 min Scan# 550
Delta R.T. 0.000 min
Lab File: F0619.D
Acq: 13 Jul 2010 17:48

Tgt Ion: 95 Resp: 1432

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
130	138.5	80.4	120.6#
132	124.1	74.2	111.2#

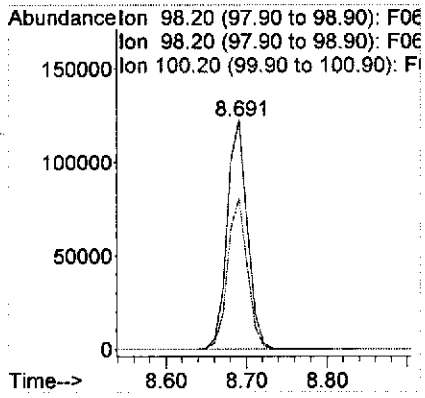


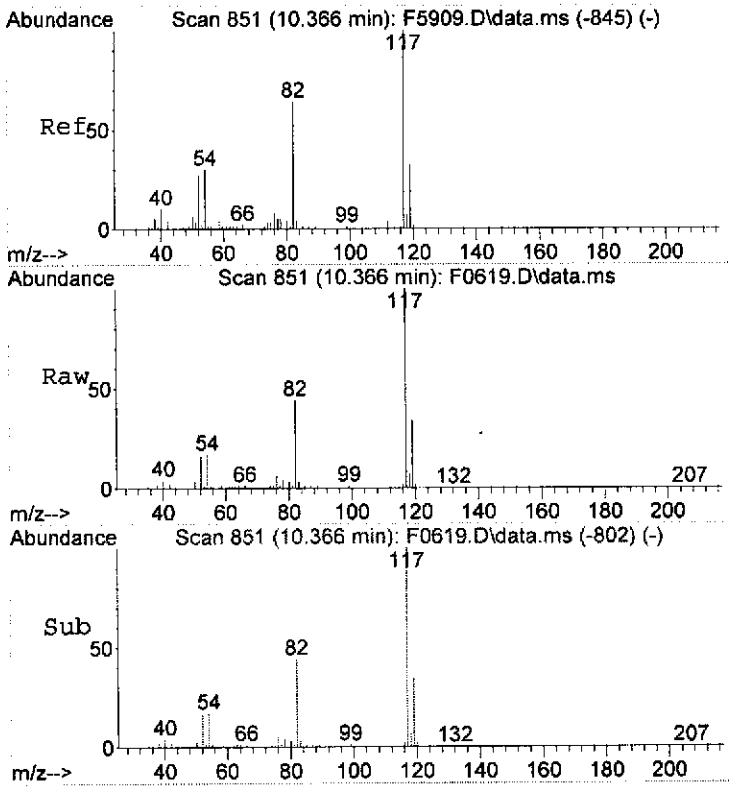


#41
Toluene-d8
Concen: 48.43 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0619.D
Acq: 13 Jul 2010 17:48

Tgt Ion: 98 Resp: 214267

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	64.7	51.2	76.8

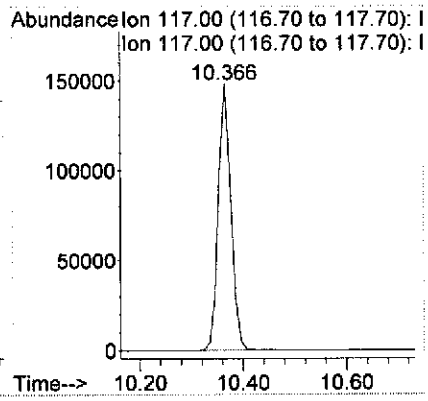


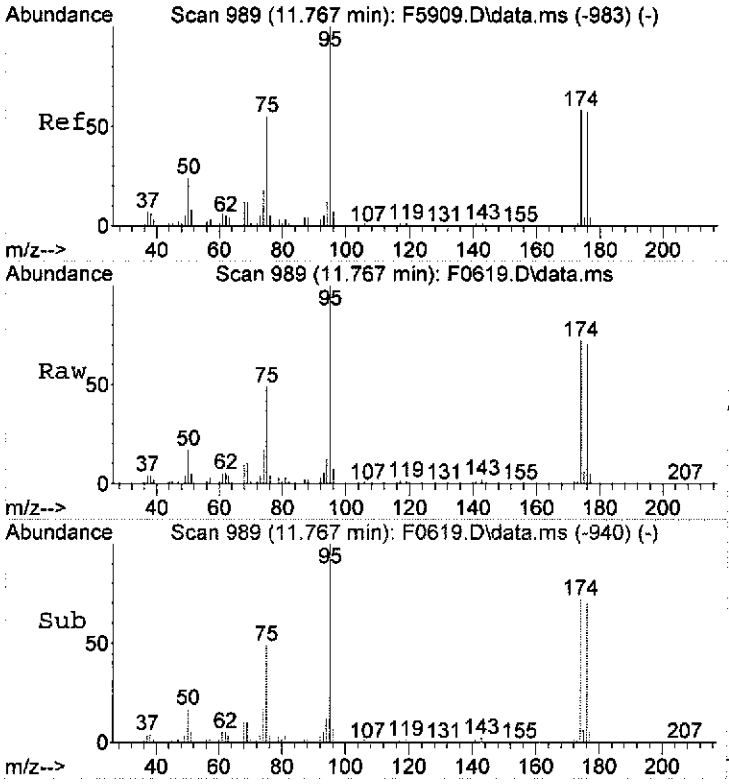


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0619.D
Acq: 13 Jul 2010 17:48

Tgt Ion:117 Resp: 252299

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

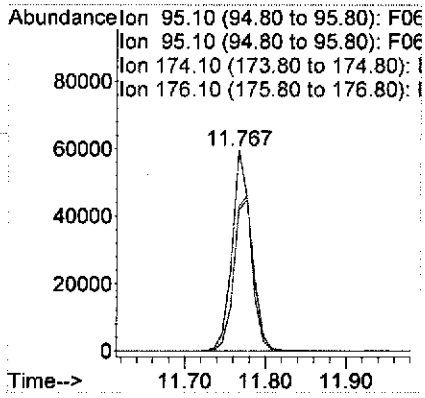




#59
Bromofluorobenzene
Concen: 46.00 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0619.D
Acq: 13 Jul 2010 17:48

Tgt Ion: 95 Resp: 94532

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	85.0	62.2	93.4
176	82.1	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0620.D
Acq On : 13 Jul 2010 18:14
Operator : XING
Sample : DUP(070810),06728-008,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 14 10:18:44 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.204	168	138758	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.026	114	243446	50.00	UG	0.00
50) Chlorobenzene-d5	10.366	117	240327	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.539	65	79491	60.34	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 120.68%			
41) Toluene-d8	8.691	98	203716	47.94	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 95.88%			
59) Bromofluorobenzene	11.767	95	89520	45.73	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 91.46%			
Target Compounds						Qvalue
26) 1,1,1-Trichloroethane	6.173	97	6372	2.93	UG	# 58
33) Trichloroethene	7.310	95	26990	19.01	UG	# 78
45) Tetrachloroethene	9.391	166	3990	2.91	UG	# 98

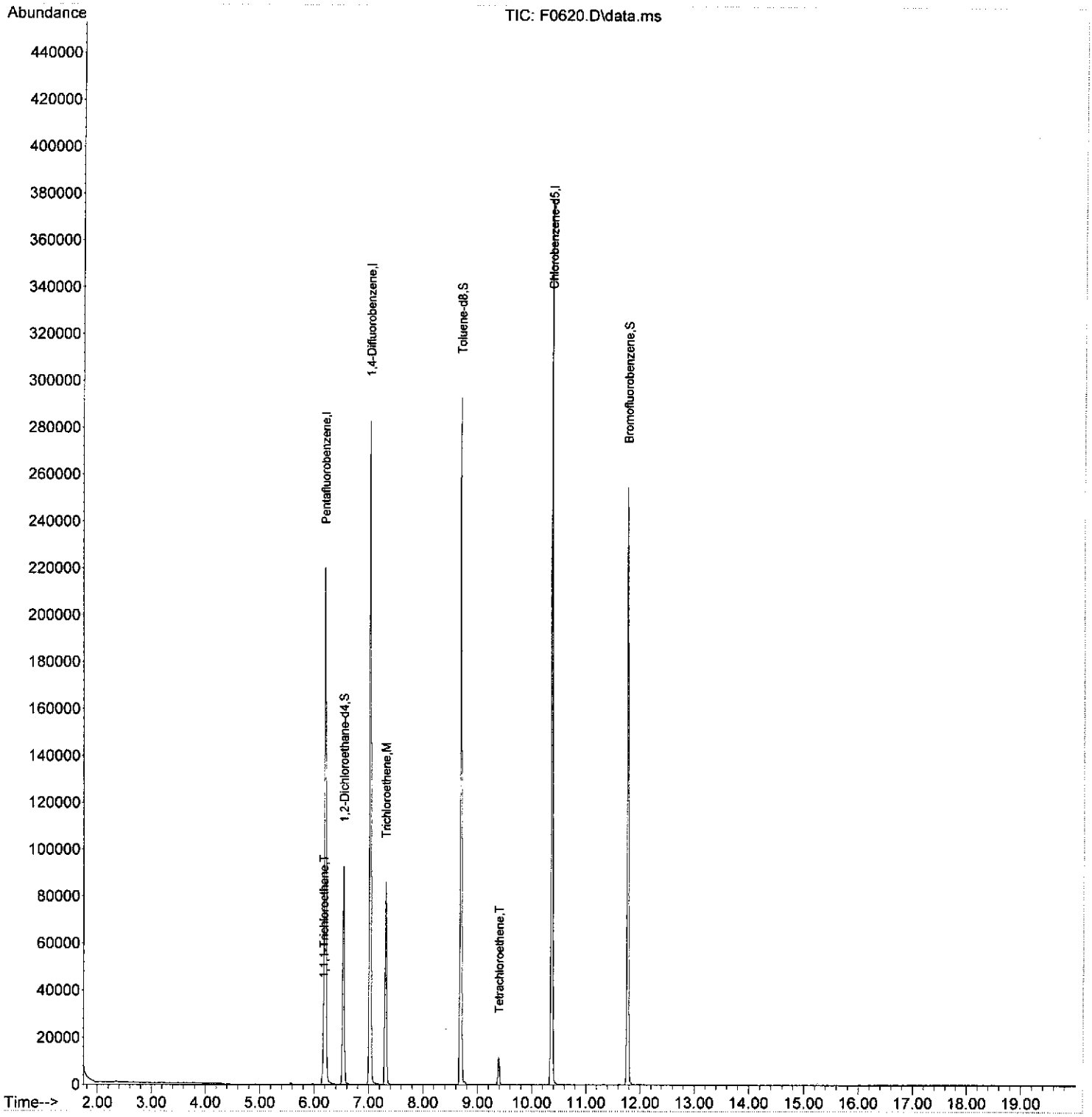
(#) = qualifier out of range (m) = manual integration (+) = signals summed

0102

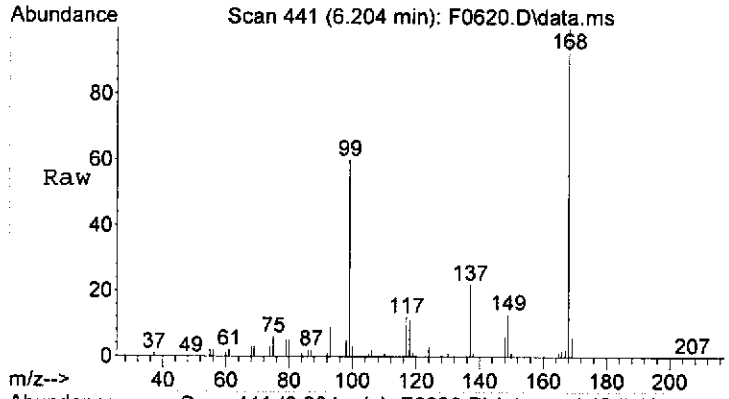
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0620.D
Acq On : 13 Jul 2010 18:14
Operator : XING
Sample : DUP(070810),06728-008,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/08/10,07/09/10,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 14 10:18:44 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



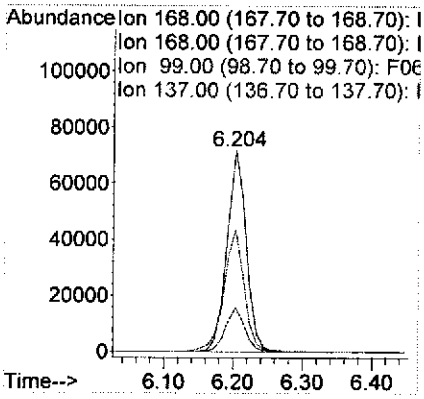
FAM0702.M Wed Jul 14 10:18:52 2010 RP1

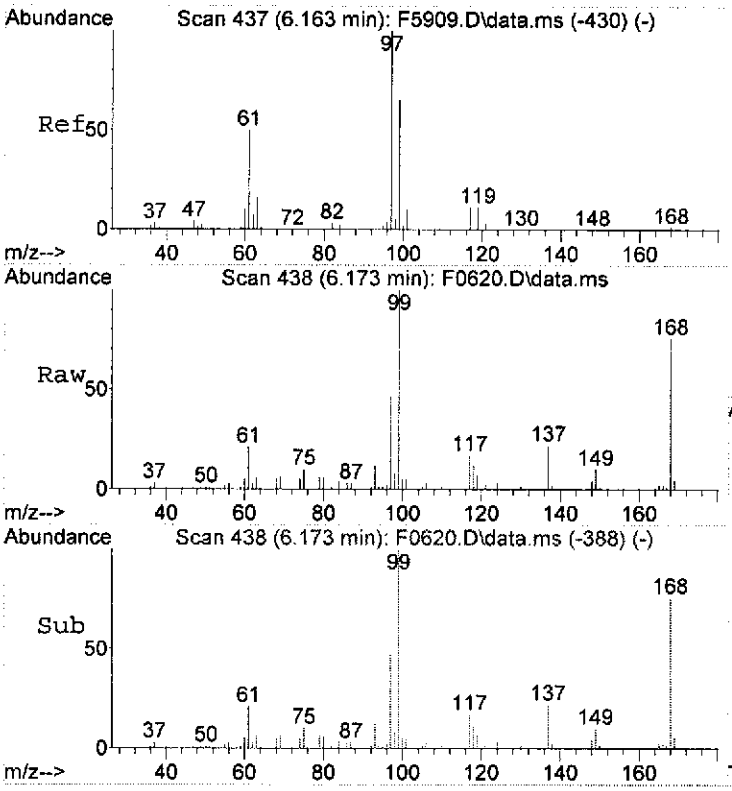


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.204 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0620.D
Acq: 13 Jul 2010 18:14

Tgt Ion:168 Resp: 138758

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0

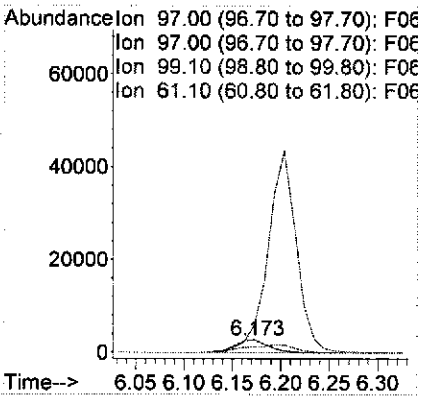


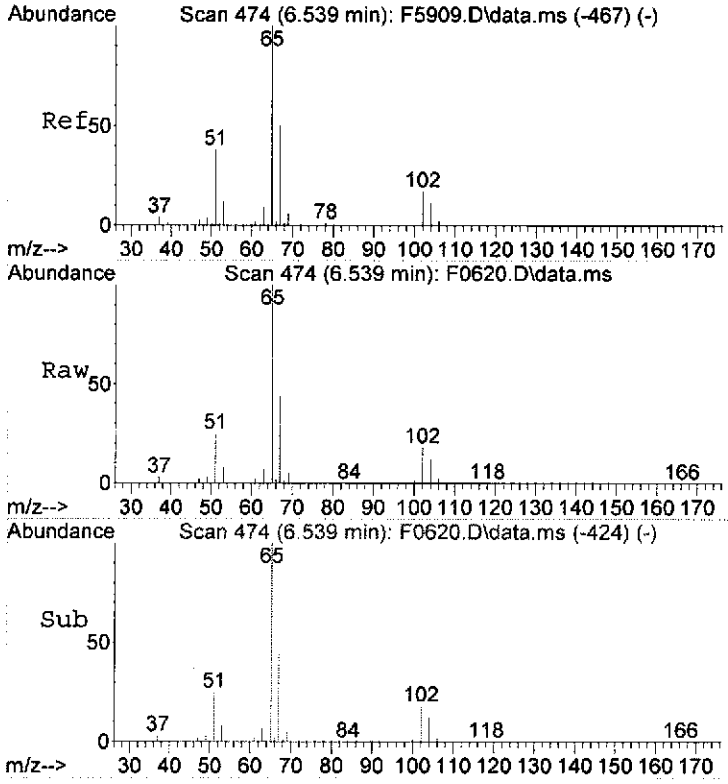


#26
1,1,1-Trichloroethane
Concen: 2.93 UG
RT: 6.173 min Scan# 438
Delta R.T. 0.010 min
Lab File: F0620.D
Acq: 13 Jul 2010 18:14

Tgt Ion: 97 Resp: 6372

Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	0.0	67.2	100.8#
61	0.0	0.0	0.0

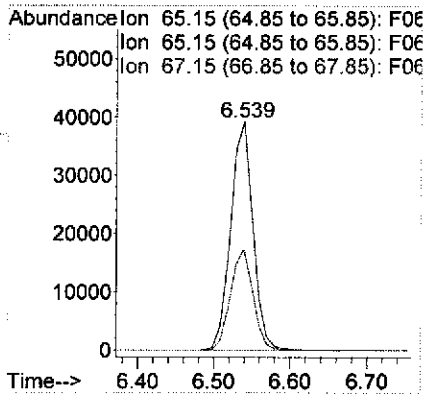


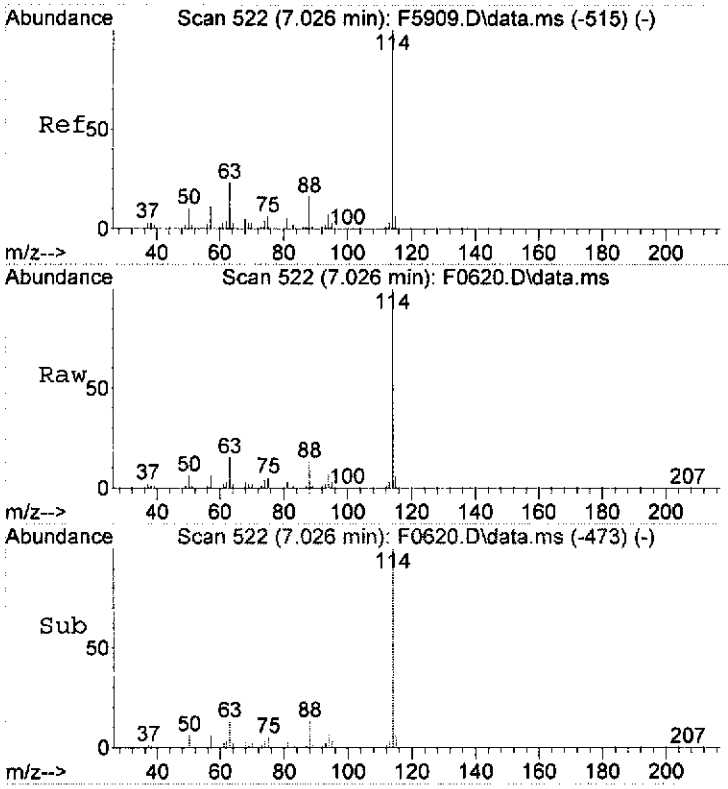


#30
1,2-Dichloroethane-d4
Concen: 60.34 UG
RT: 6.539 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0620.D
Acq: 13 Jul 2010 18:14

Tgt Ion: 65 Resp: 79491

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	44.8	41.3	61.9

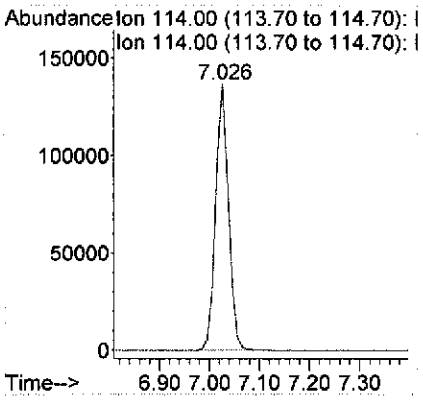


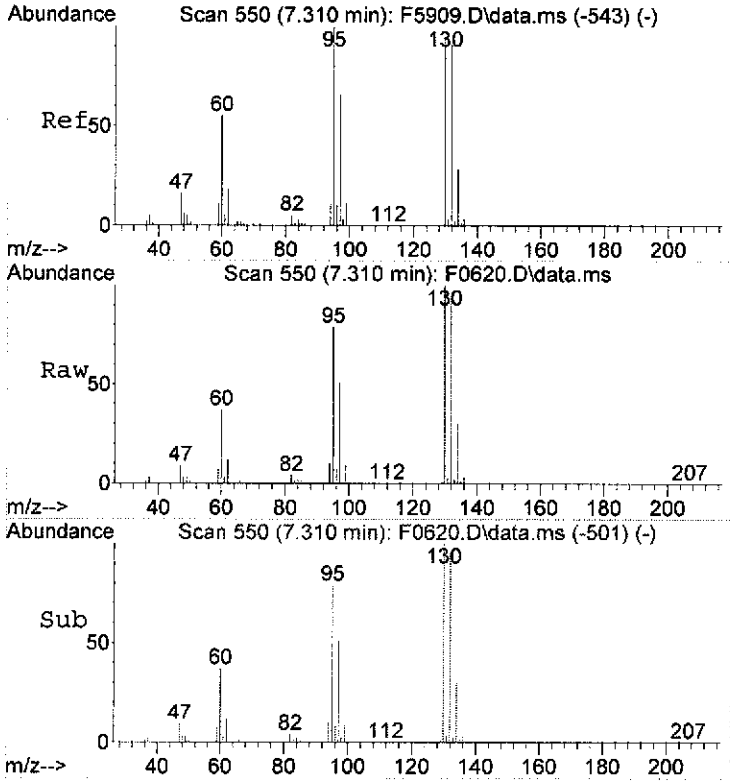


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0620.D
Acq: 13 Jul 2010 18:14

Tgt Ion:114 Resp: 243446

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

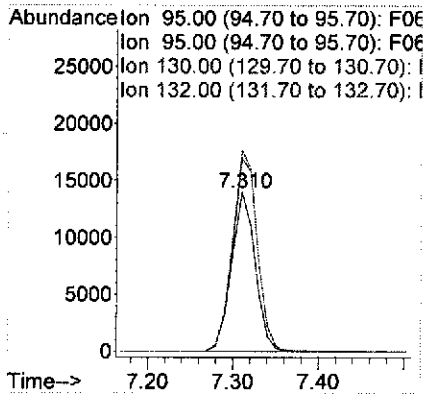


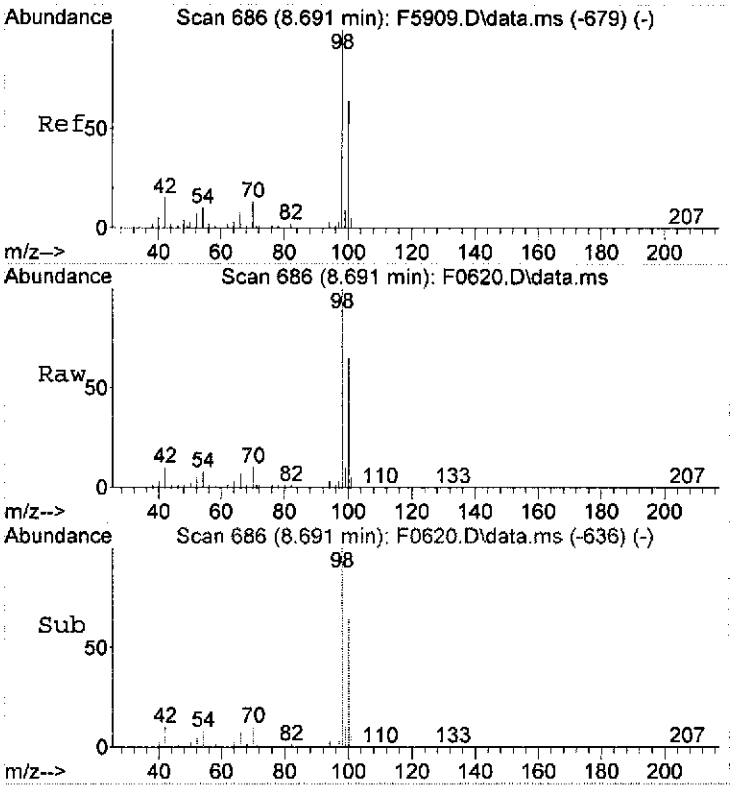


#33
Trichloroethene
Concen: 19.01 UG
RT: 7.310 min Scan# 550
Delta R.T. 0.000 min
Lab File: F0620.D
Acq: 13 Jul 2010 18:14

Tgt Ion: 95 Resp: 26990

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
130	131.9	80.4	120.6#
132	127.4	74.2	111.2#

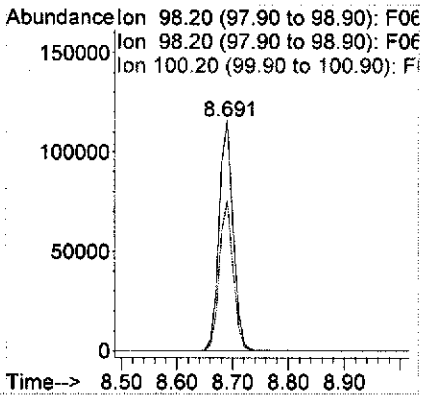


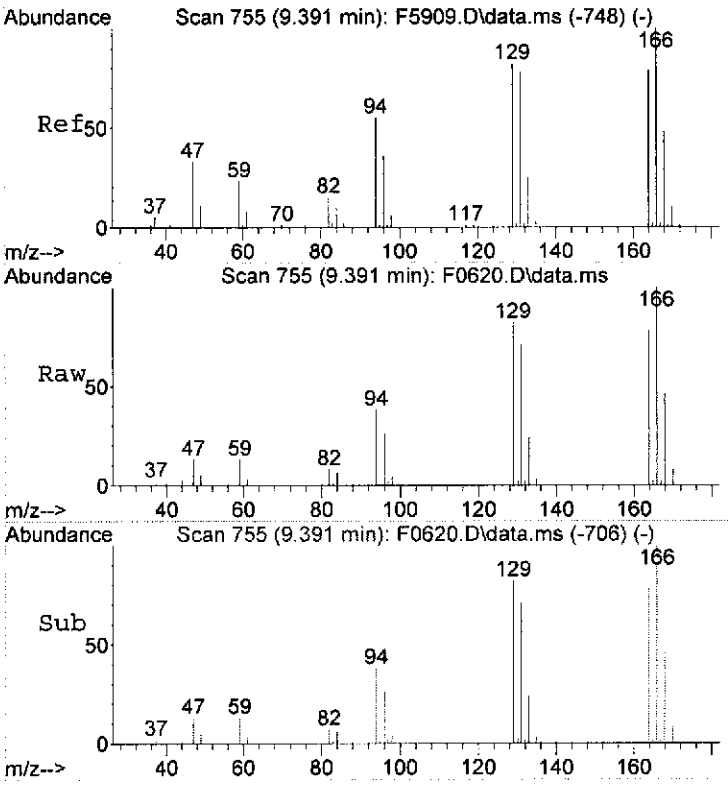


#41
Toluene-d8
Concen: 47.94 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0620.D
Acq: 13 Jul 2010 18:14

Tgt Ion: 98 Resp: 203716

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	64.4	51.2	76.8

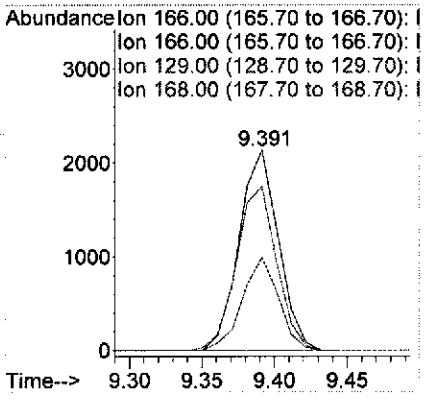


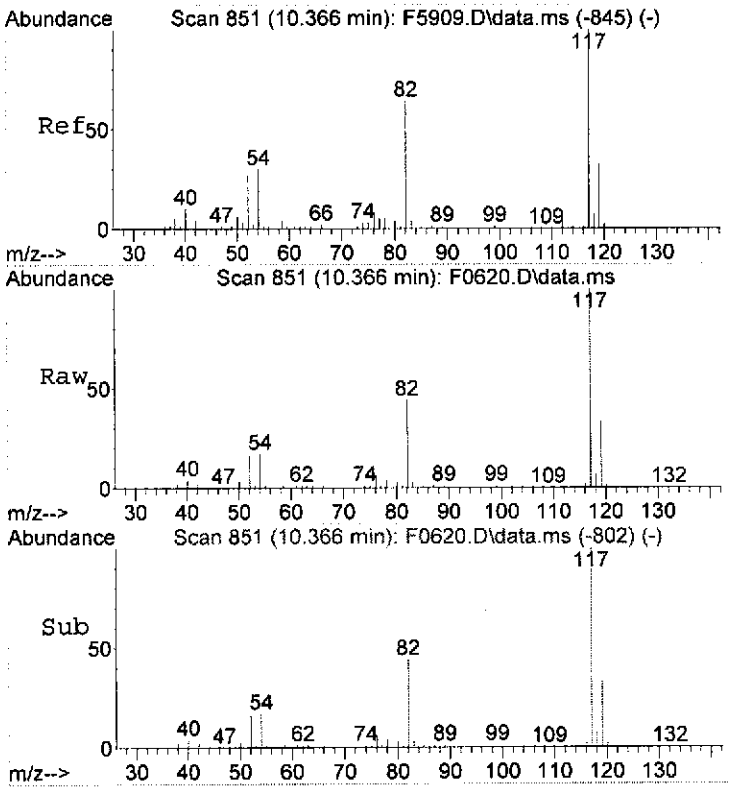


#45
Tetrachloroethene
Concen: 2.91 UG
RT: 9.391 min Scan# 755
Delta R.T. 0.000 min
Lab File: F0620.D
Acq: 13 Jul 2010 18:14

Tgt Ion:166 Resp: 3990

Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
129	0.0	0.0	0.0
168	42.9	38.2	57.2

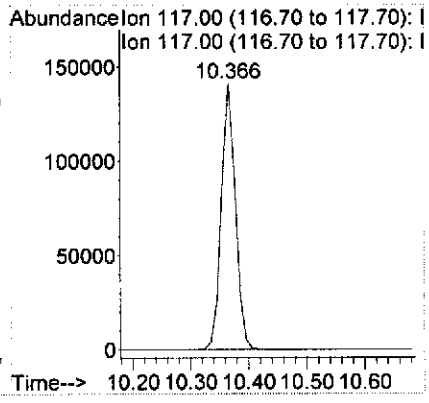


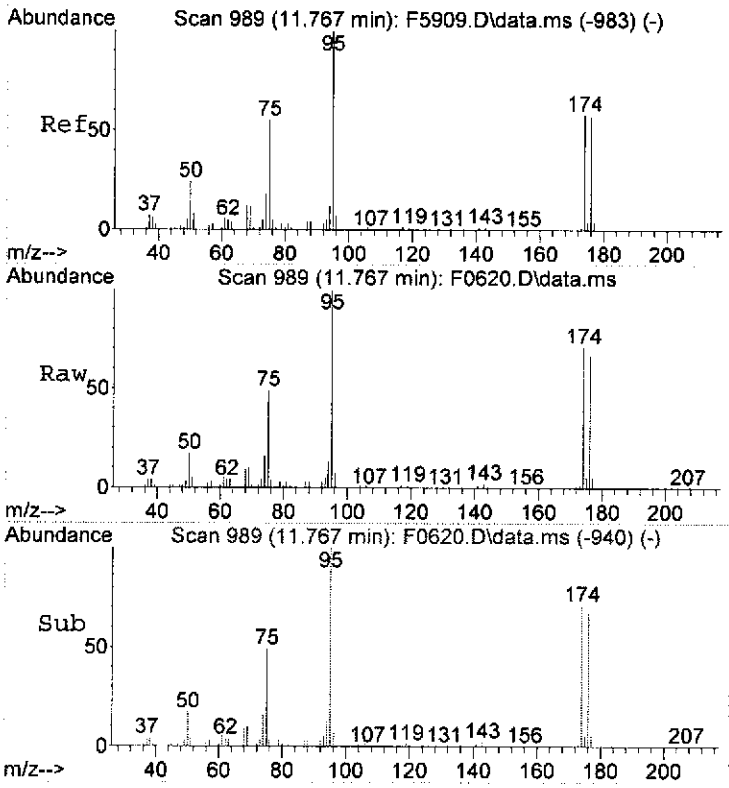


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0620.D
Acq: 13 Jul 2010 18:14

Tgt Ion:117 Resp: 240327

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

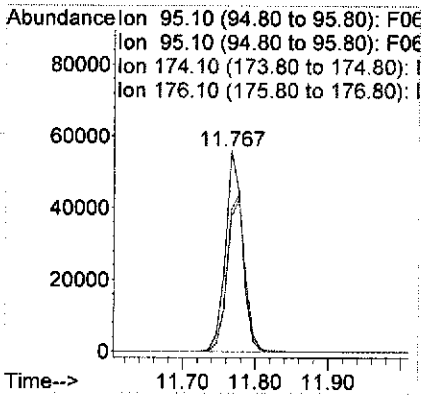




#59
Bromofluorobenzene
Concen: 45.73 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0620.D
Acq: 13 Jul 2010 18:14

Tgt Ion: 95 Resp: 89520

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	84.4	62.2	93.4
176	81.1	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0621.D
Acq On : 13 Jul 2010 18:41
Operator : XING
Sample : GP-104R,06728-009,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/09/10,07/09/10,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 14 10:19:34 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

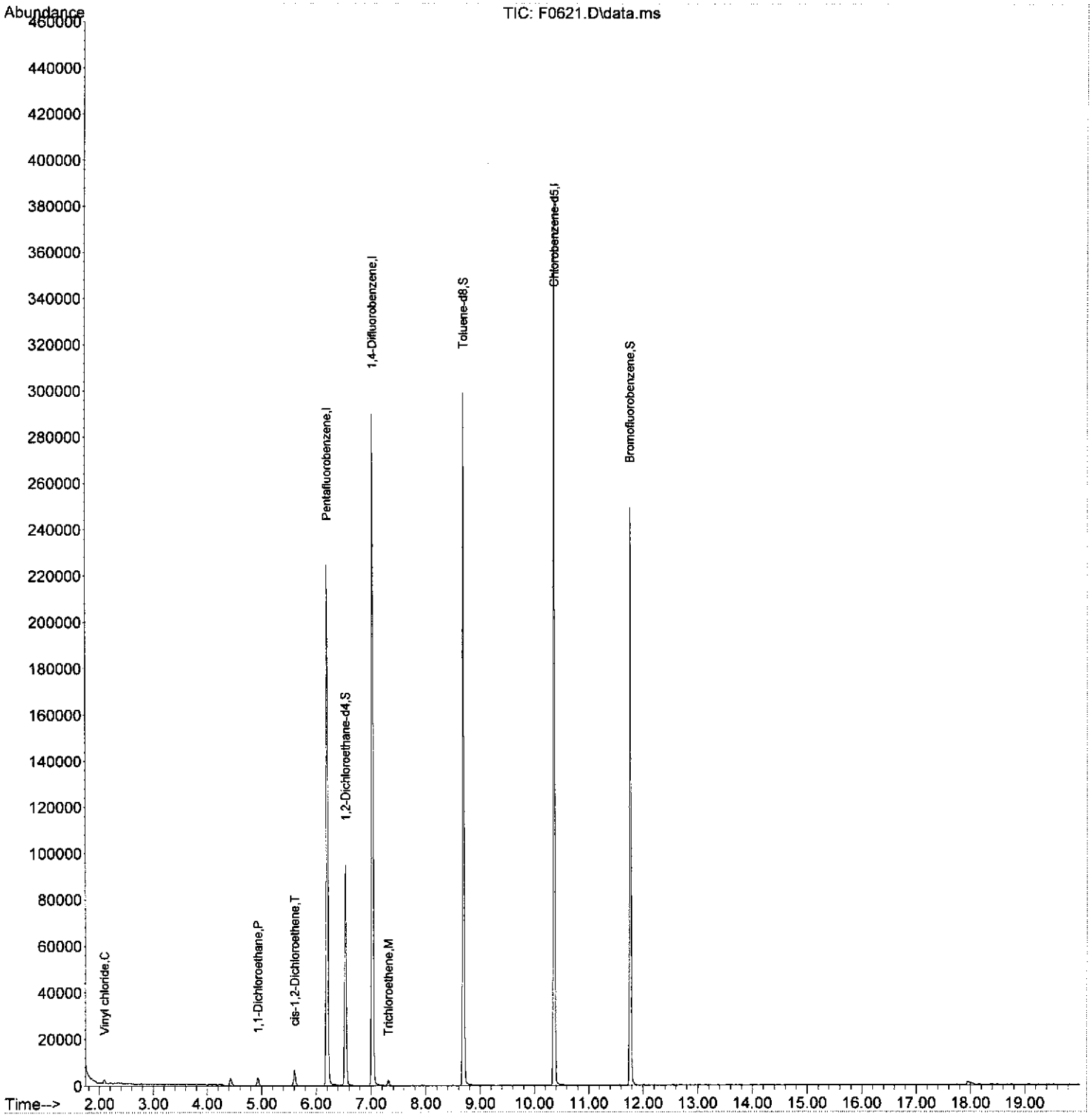
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.203	168	141347	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.026	114	248915	50.00	UG		0.00
50) Chlorobenzene-d5	10.366	117	240857	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.538	65	79777	59.45	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 118.90%				
41) Toluene-d8	8.691	98	203282	46.79	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 93.58%				
59) Bromofluorobenzene	11.767	95	90343	46.05	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 92.10%				
Target Compounds							Qvalue
4) Vinyl chloride	2.092	62	1956	2.41	UG		99
18) 1,1-Dichloroethane	4.934	63	3583	1.84	UG	#	97
20) cis-1,2-Dichloroethene	5.604	96	3448	2.75	UG	#	100
33) Trichloroethene	7.310	95	773	0.53	UG	#	35

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

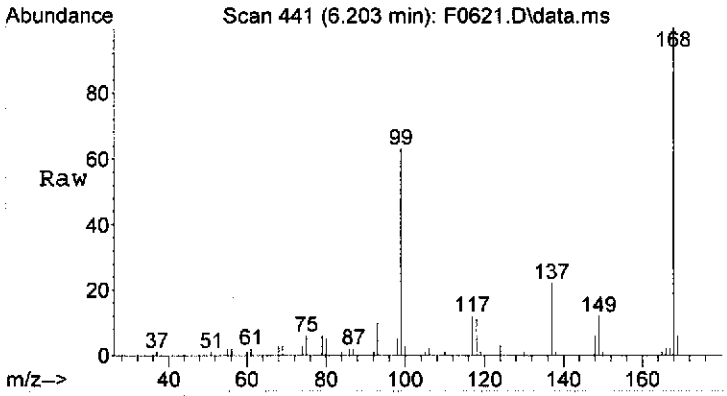
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0621.D
Acq On : 13 Jul 2010 18:41
Operator : XING
Sample : GP-104R,06728-009,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/09/10,07/09/10,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 14 10:19:34 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



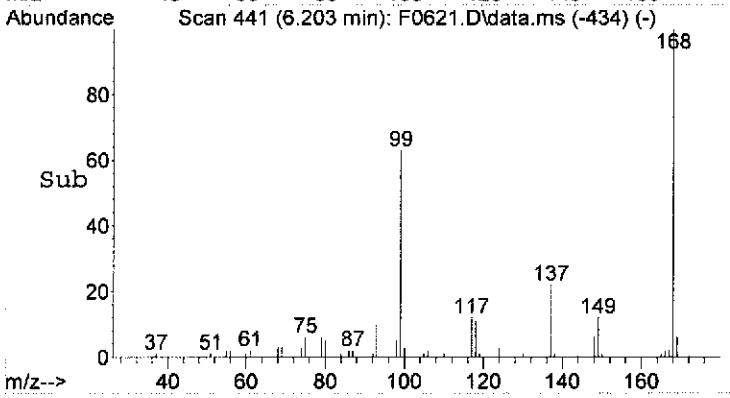
0110

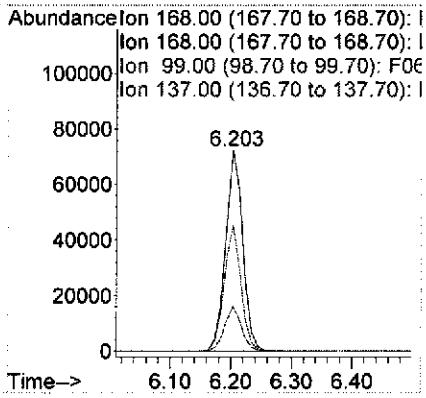


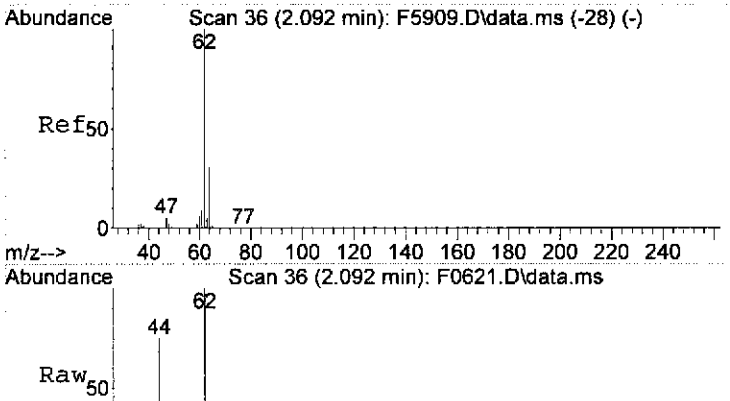
#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.203 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0621.D
Acq: 13 Jul 2010 18:41

Tgt Ion:168 Resp: 141347

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0



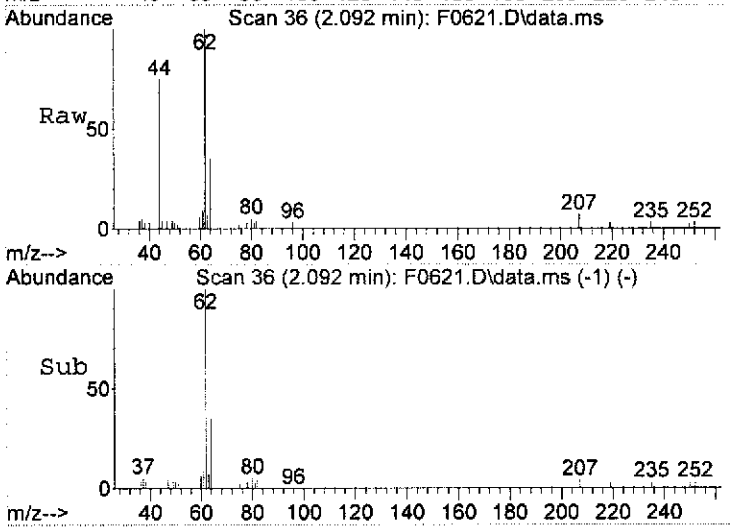


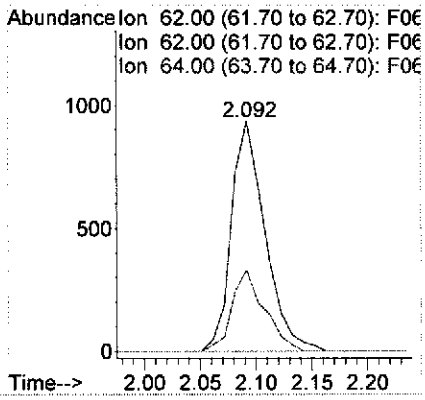


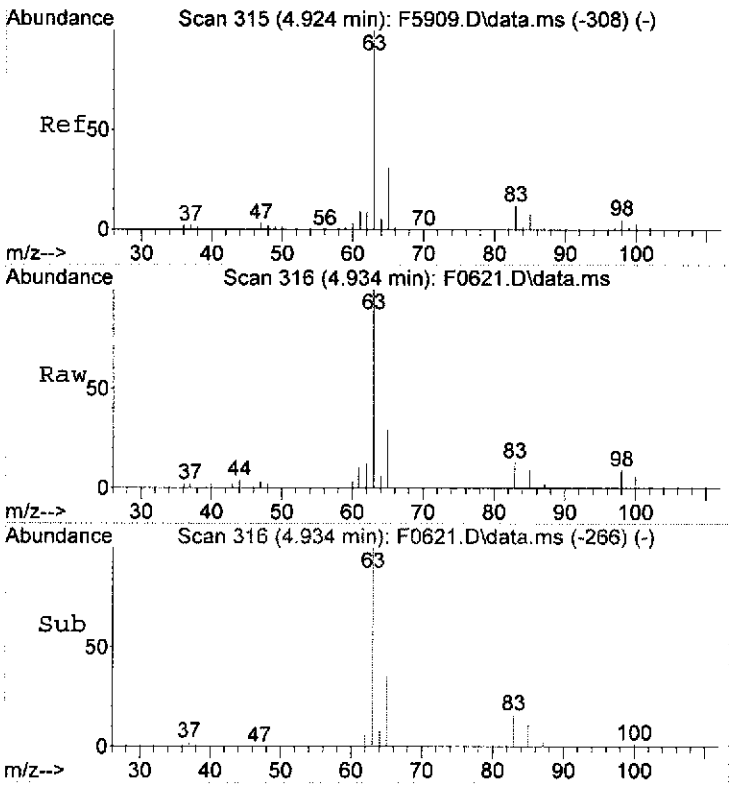
#4
Vinyl chloride
Concen: 2.41 UG
RT: 2.092 min Scan# 36
Delta R.T. 0.000 min
Lab File: F0621.D
Acq: 13 Jul 2010 18:41

Tgt Ion: 62 Resp: 1956

Ion	Ratio	Lower	Upper
62	100		
62	100.0	80.0	120.0
64	33.9	24.6	36.8



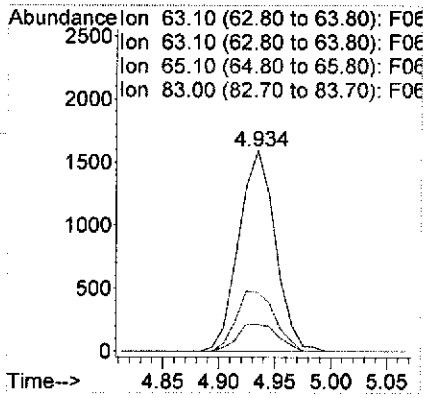


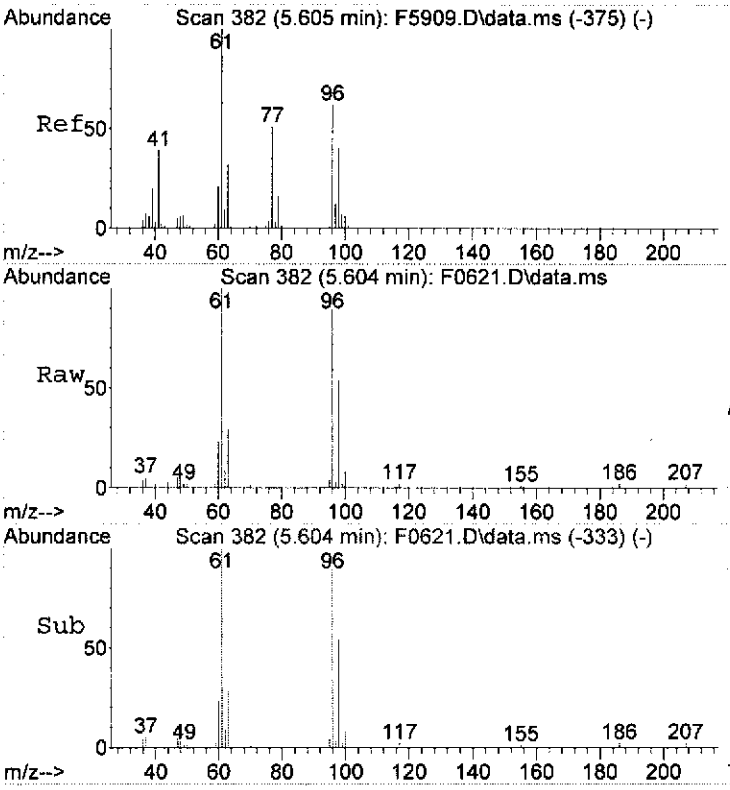


#18
1,1-Dichloroethane
Concen: 1.84 UG
RT: 4.934 min Scan# 316
Delta R.T. 0.010 min
Lab File: F0621.D
Acq: 13 Jul 2010 18:41

Tgt Ion: 63 Resp: 3583

Ion	Ratio	Lower	Upper
63	100		
63	100.0	80.0	120.0
65	31.6	24.7	37.1
83	0.0	10.2	15.2#

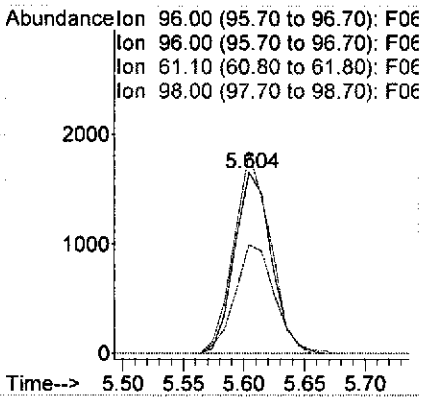


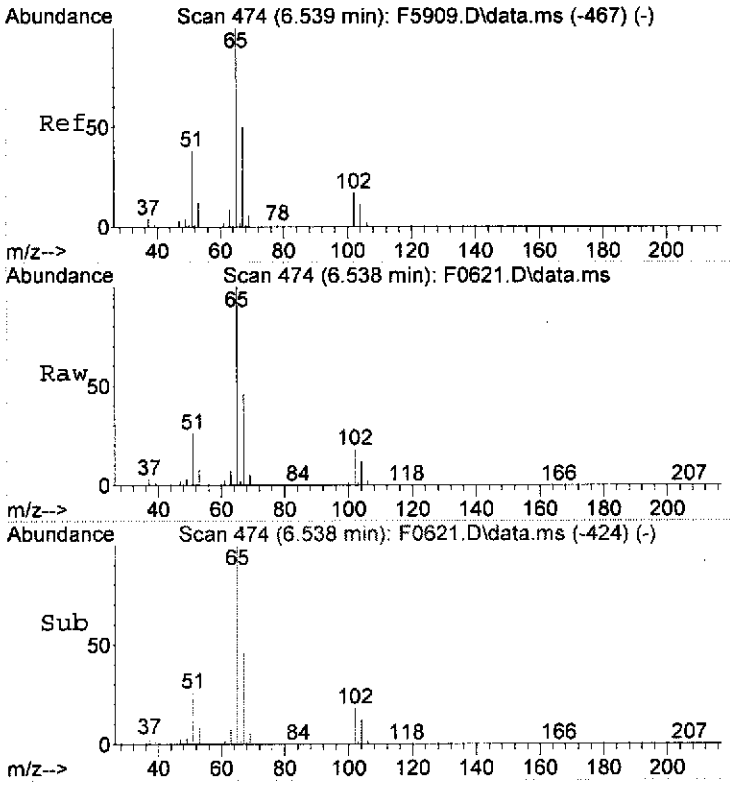


#20
cis-1,2-Dichloroethene
Concen: 2.75 UG
RT: 5.604 min Scan# 382
Delta R.T. 0.000 min
Lab File: F0621.D
Acq: 13 Jul 2010 18:41

Tgt Ion: 96 Resp: 3448

Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
61	0.0	0.0	0.0
98	64.6	51.7	77.5

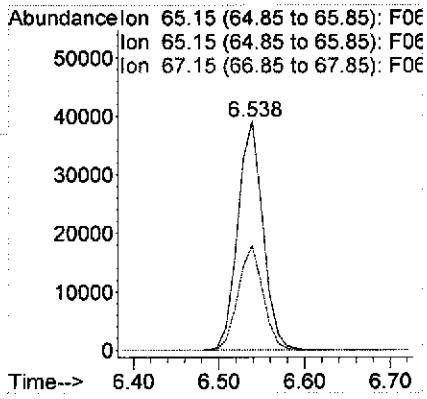


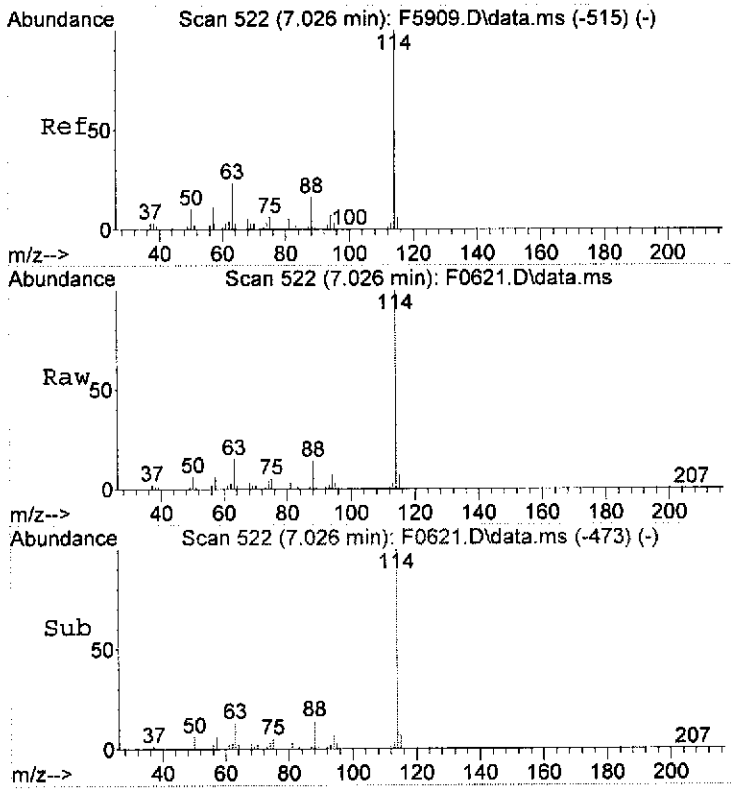


#30
1,2-Dichloroethane-d4
Concen: 59.45 UG
RT: 6.538 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0621.D
Acq: 13 Jul 2010 18:41

Tgt Ion: 65 Resp: 79777

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	45.1	41.3	61.9

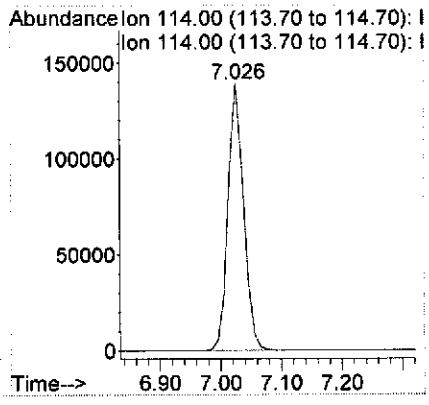


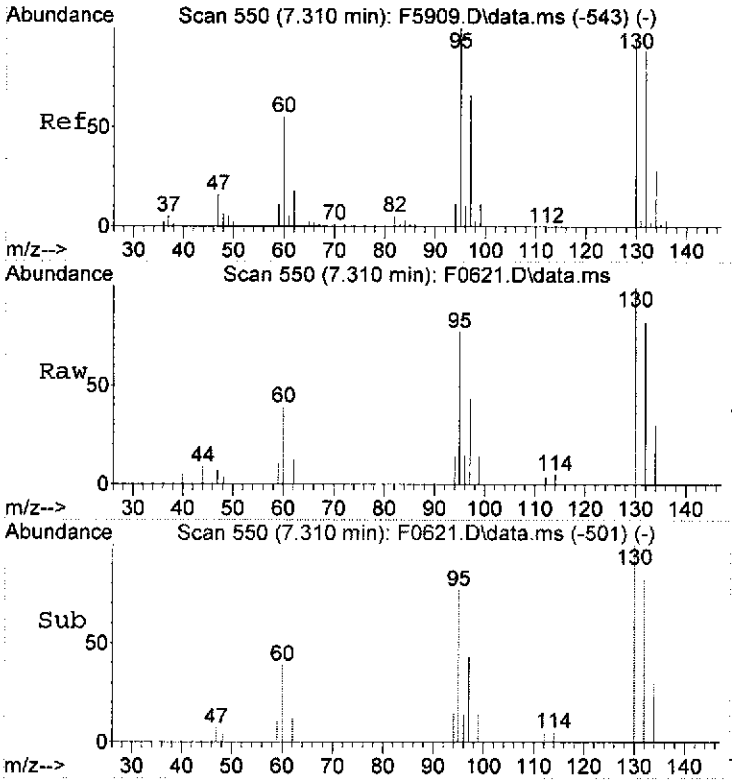


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0621.D
Acq: 13 Jul 2010 18:41

Tgt Ion:114 Resp: 248915

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

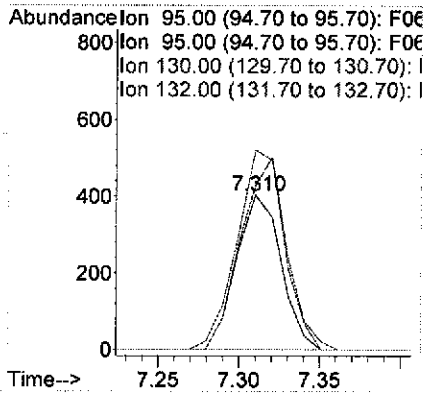


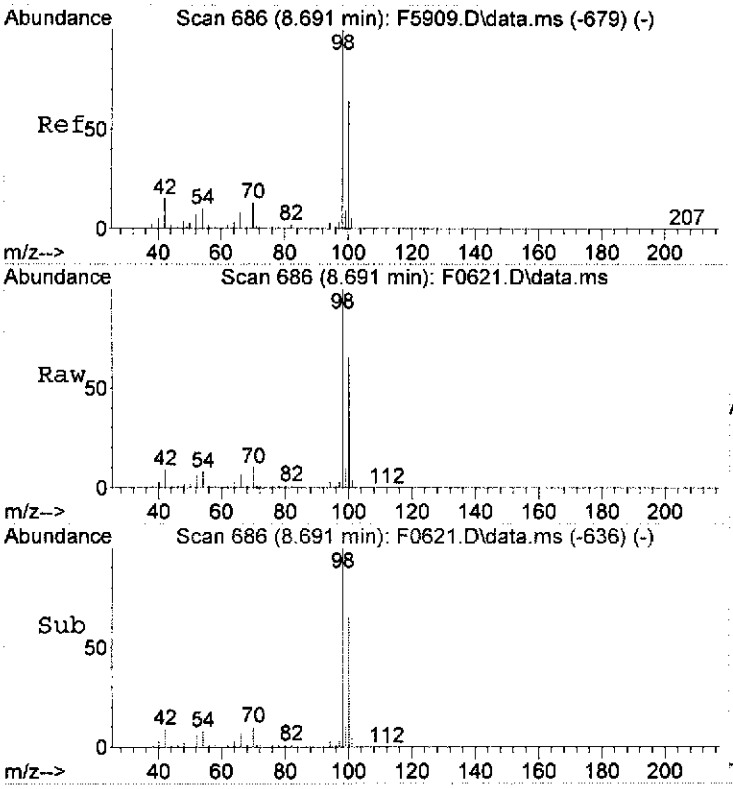


#33
Trichloroethene
Concen: 0.53 UG
RT: 7.310 min Scan# 550
Delta R.T. 0.000 min
Lab File: F0621.D
Acq: 13 Jul 2010 18:41

Tgt Ion: 95 Resp: 773

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
130	0.0	80.4	120.6#
132	0.0	74.2	111.2#

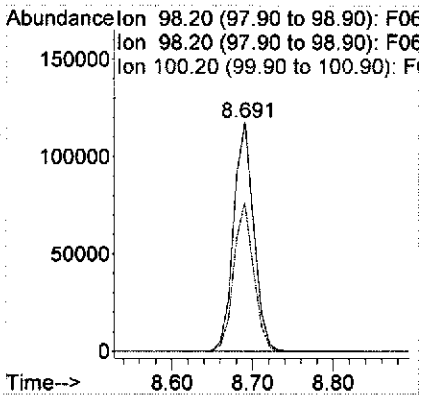


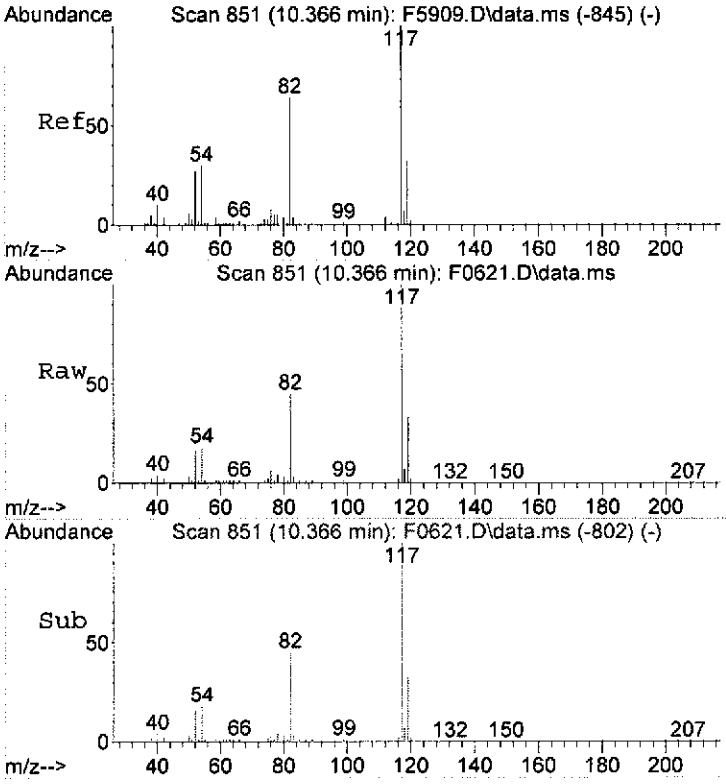


#41
Toluene-d8
Concen: 46.79 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0621.D
Acq: 13 Jul 2010 18:41

Tgt Ion: 98 Resp: 203282

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	64.2	51.2	76.8

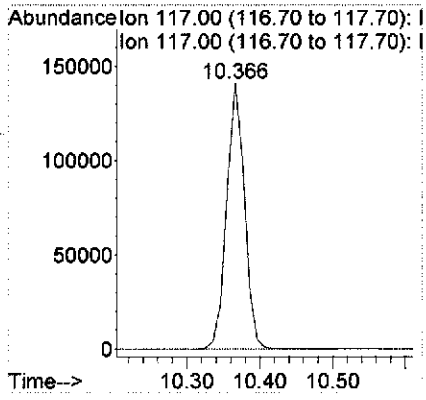


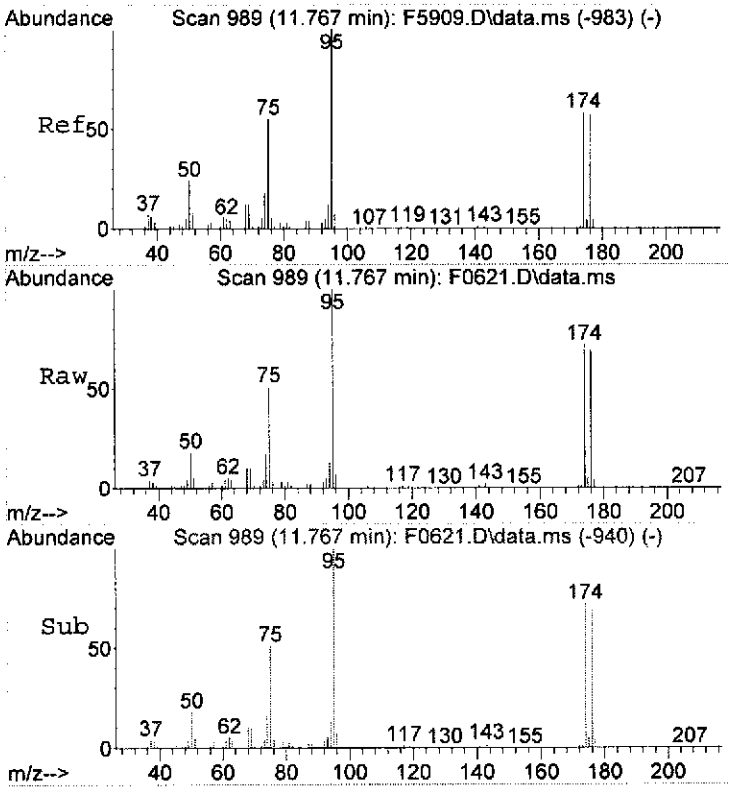


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0621.D
Acq: 13 Jul 2010 18:41

Tgt Ion:117 Resp: 240857

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

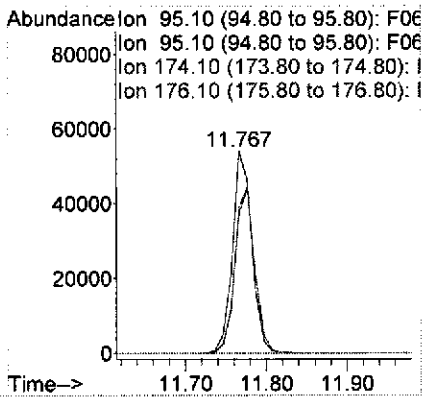




#59
Bromofluorobenzene
Concen: 46.05 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0621.D
Acq: 13 Jul 2010 18:41

Tgt Ion: 95 Resp: 90343

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	84.9	62.2	93.4
176	81.8	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0622.D
Acq On : 13 Jul 2010 19:07
Operator : XING
Sample : GP-103R,06728-010,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/09/10,07/09/10,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 14 21:23:09 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.204	168	143454	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.026	114	251436	50.00	UG		0.00
50) Chlorobenzene-d5	10.366	117	243559	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.539	65	81426	59.79	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 119.58%				
41) Toluene-d8	8.691	98	203866	46.45	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 92.90%				
59) Bromofluorobenzene	11.767	95	90928	45.83	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 91.66%				
Target Compounds							Qvalue
4) Vinyl chloride	2.092	62	9018	10.94	UG		99
20) cis-1,2-Dichloroethene	5.605	96	2210	1.74	UG	#	96

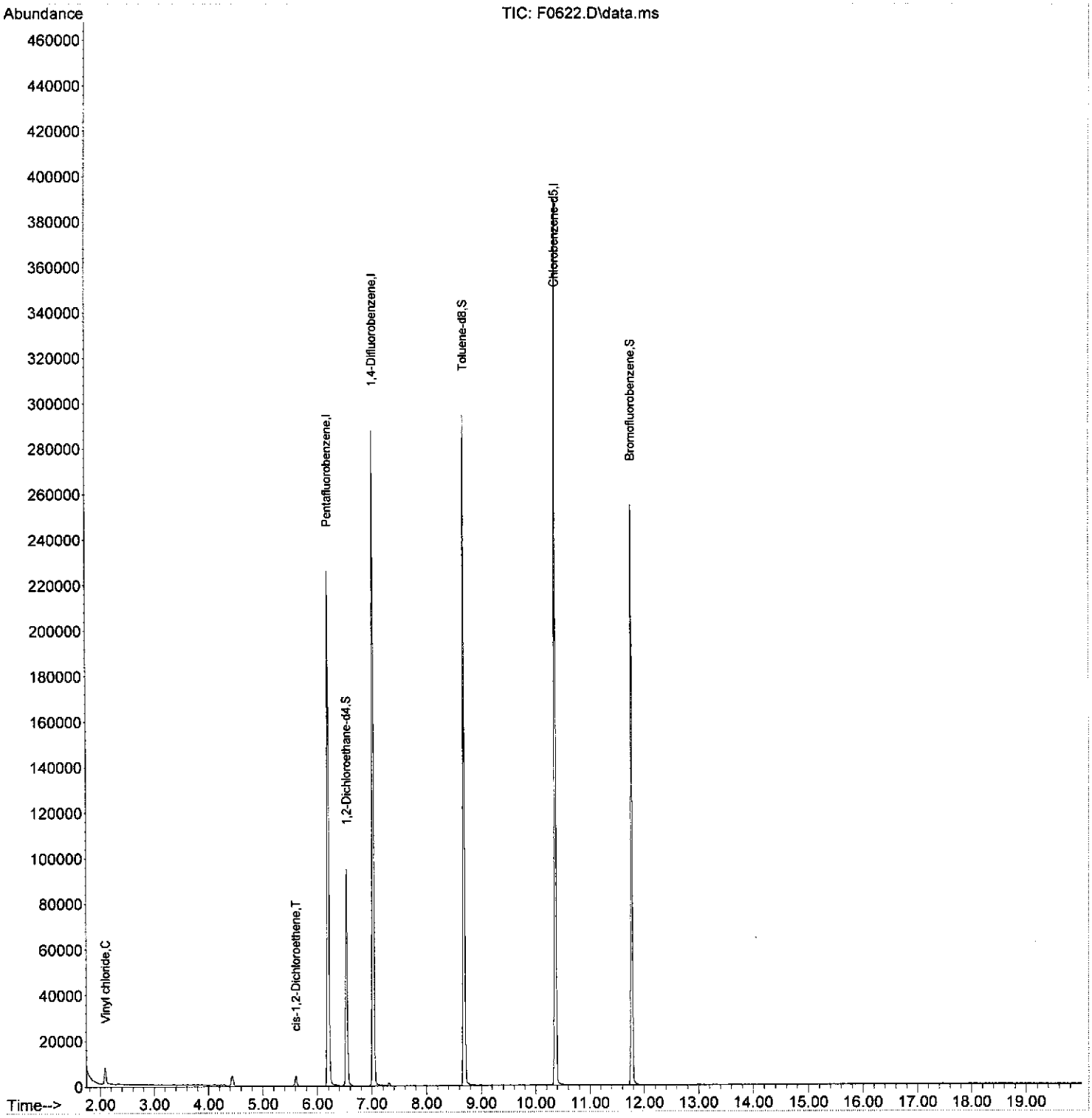
(#) = qualifier out of range (m) = manual integration (+) = signals summed

0116

Quantitation Report (QT Reviewed)

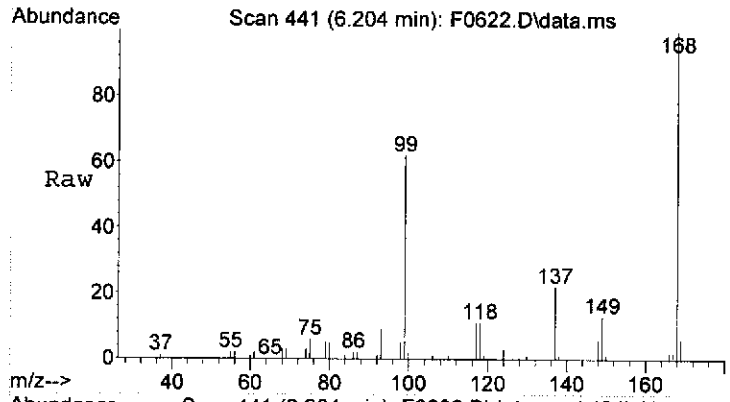
Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0622.D
Acq On : 13 Jul 2010 19:07
Operator : XING
Sample : GP-103R,06728-010,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/09/10,07/09/10,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 14 21:23:09 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



0117

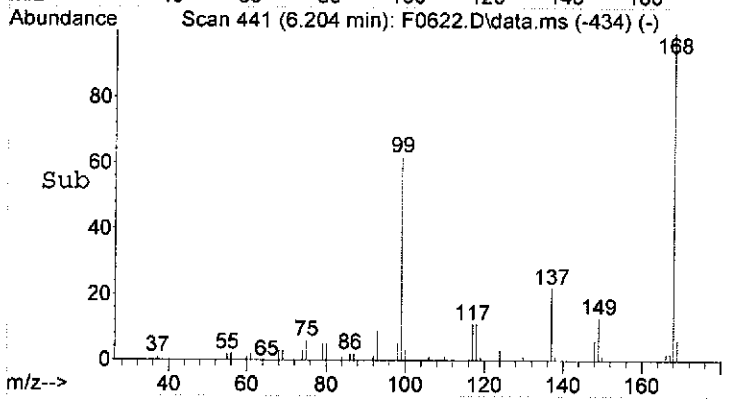
XTFJ 7

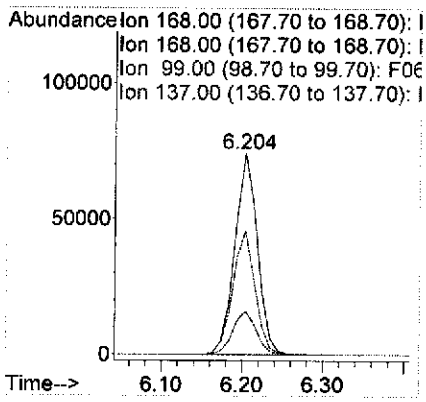


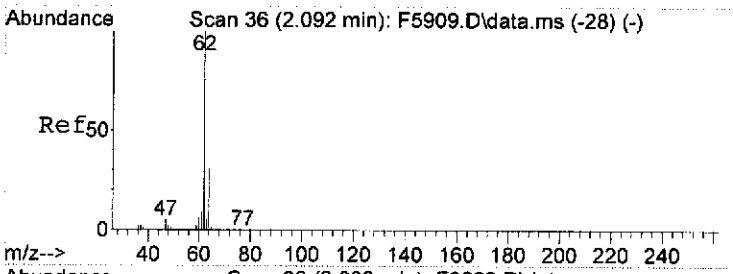
#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.204 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0622.D
Acq: 13 Jul 2010 19:07

Tgt Ion:168 Resp: 143454

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0



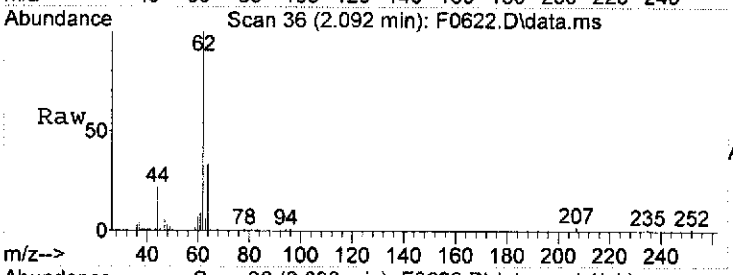


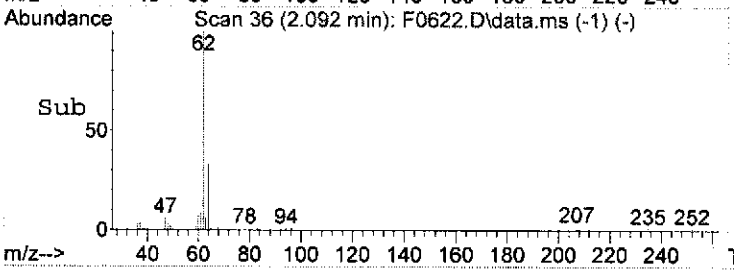


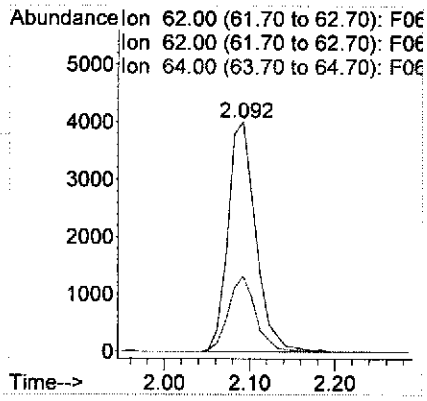
#4
Vinyl chloride
Concen: 10.94 UG
RT: 2.092 min Scan# 36
Delta R.T. 0.000 min
Lab File: F0622.D
Acq: 13 Jul 2010 19:07

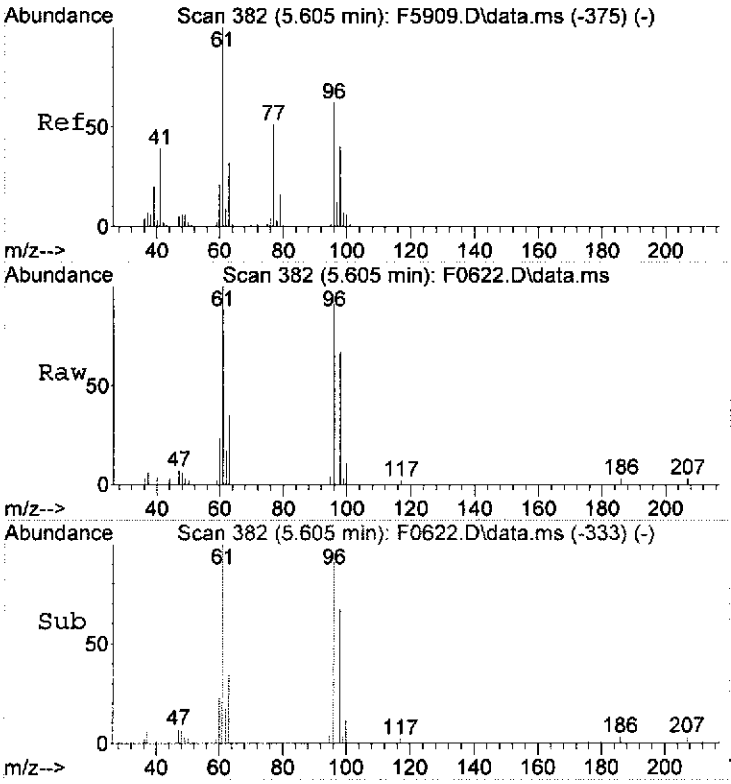
Tgt Ion: 62 Resp: 9018

Ion	Ratio	Lower	Upper
62	100		
62	100.0	80.0	120.0
64	32.4	24.6	36.8





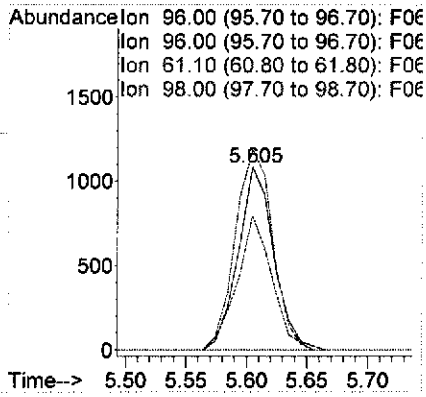


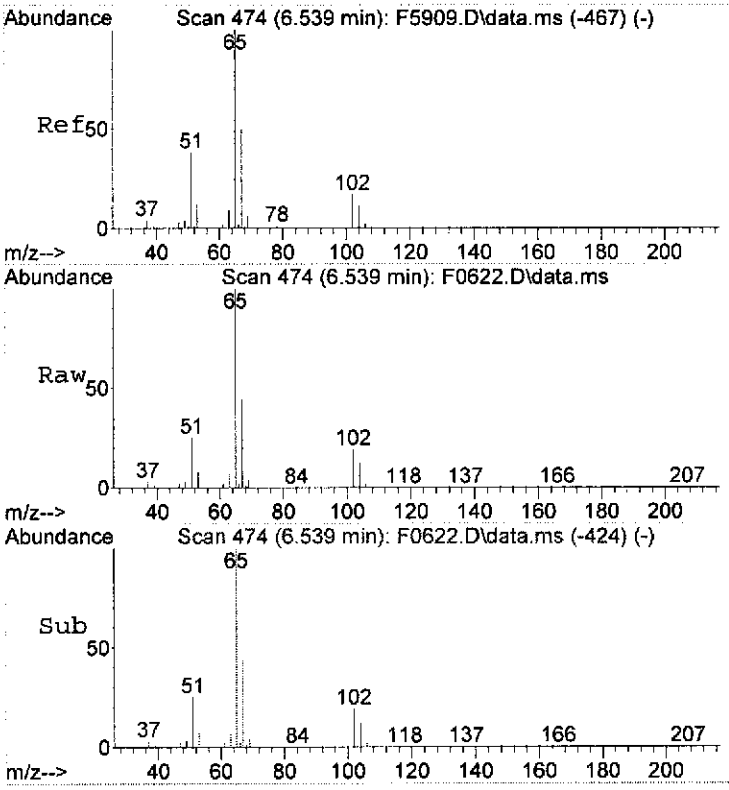


#20
cis-1,2-Dichloroethene
Concen: 1.74 UG
RT: 5.605 min Scan# 382
Delta R.T. 0.000 min
Lab File: F0622.D
Acq: 13 Jul 2010 19:07

Tgt Ion: 96 Resp: 2210

Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
61	0.0	0.0	0.0
98	71.6	51.7	77.5

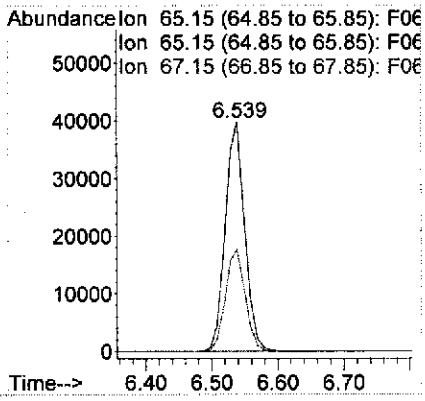


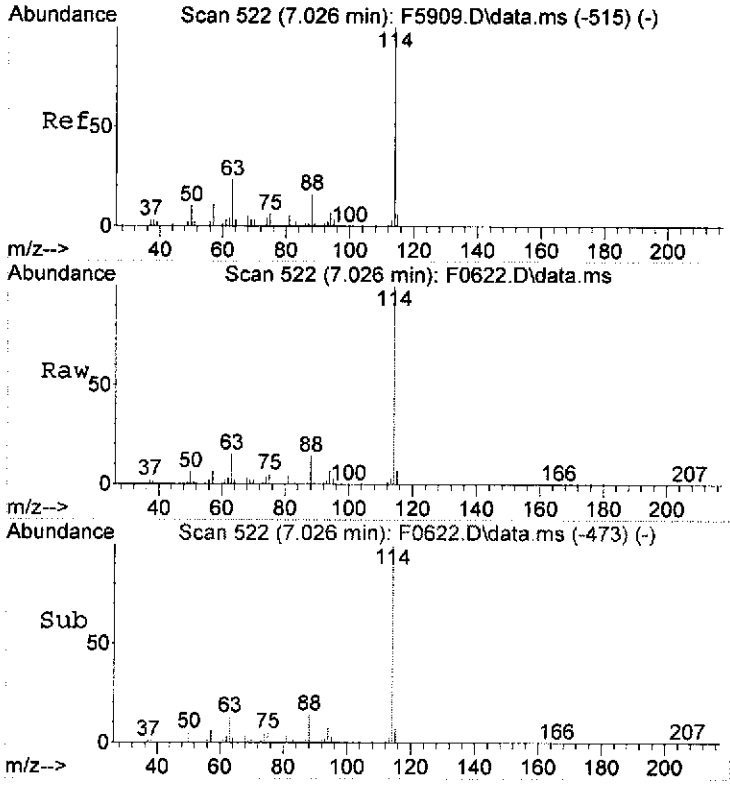


#30
1,2-Dichloroethane-d4
Concen: 59.79 UG
RT: 6.539 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0622.D
Acq: 13 Jul 2010 19:07

Tgt Ion: 65 Resp: 81426

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	45.1	41.3	61.9

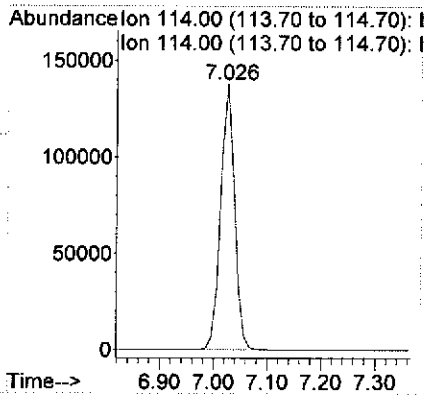


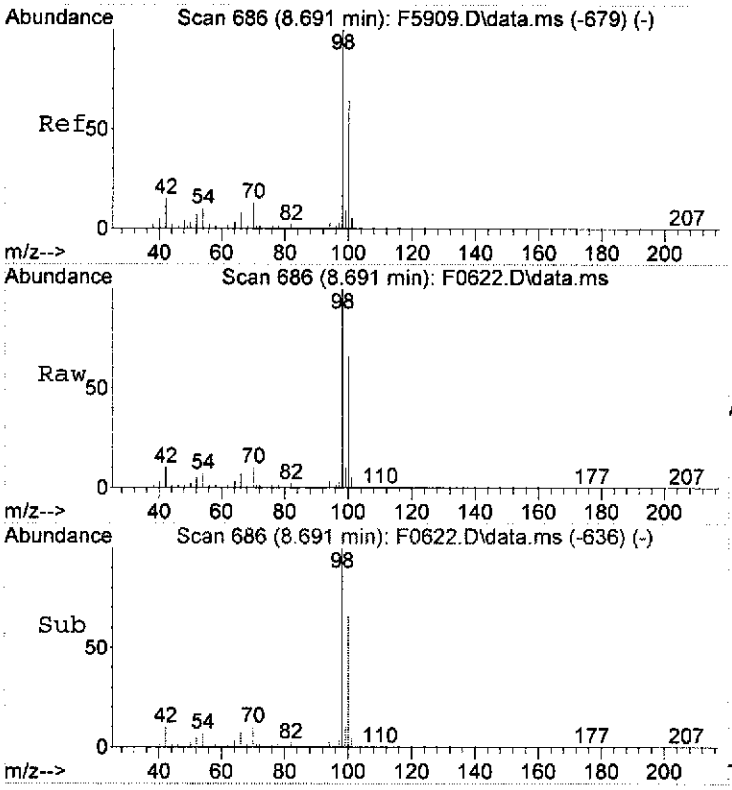


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0622.D
Acq: 13 Jul 2010 19:07

Tgt Ion:114 Resp: 251436

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

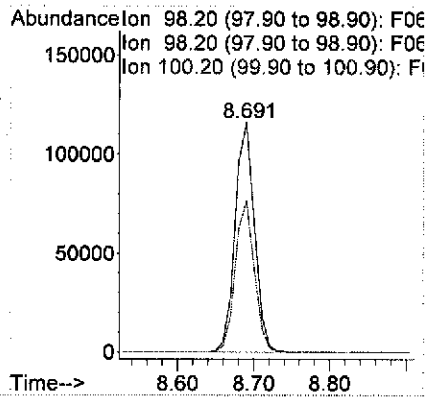


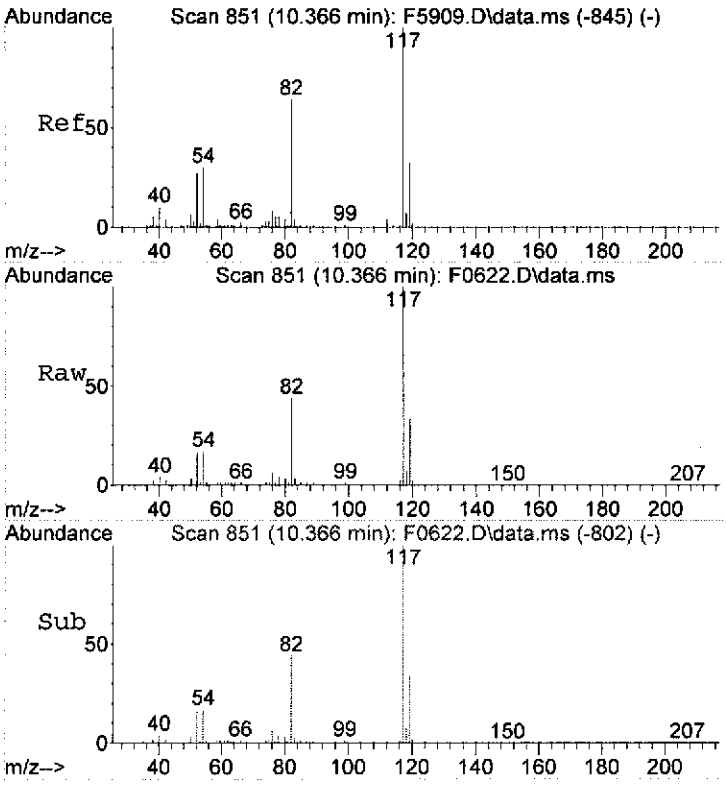


#41
Toluene-d8
Concen: 46.45 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0622.D
Acq: 13 Jul 2010 19:07

Tgt Ion: 98 Resp: 203866

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	65.0	51.2	76.8

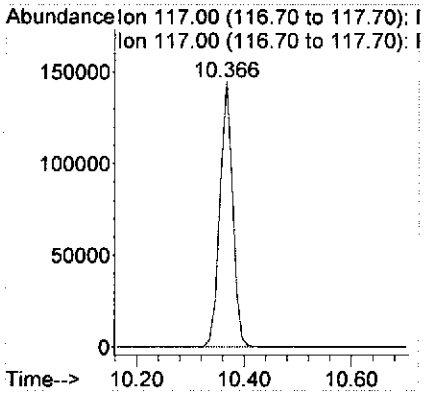


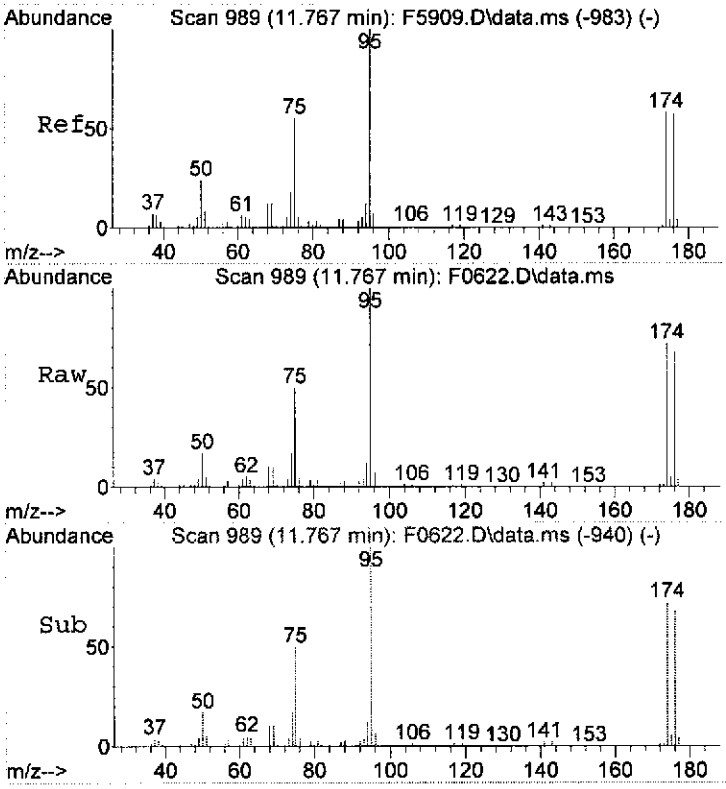


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0622.D
Acq: 13 Jul 2010 19:07

Tgt Ion:117 Resp: 243559

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

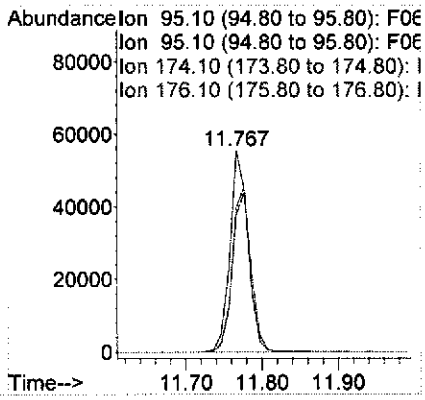




#59
Bromofluorobenzene
Concen: 45.83 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0622.D
Acq: 13 Jul 2010 19:07

Tgt Ion: 95 Resp: 90928

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	85.2	62.2	93.4
176	81.9	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0623.D
Acq On : 13 Jul 2010 19:34
Operator : XING
Sample : FB(070910),06728-011,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/09/10,07/09/10,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 14 21:23:49 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.203	168	138188	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.026	114	246383	50.00	UG	0.00
50) Chlorobenzene-d5	10.366	117	241251	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.538	65	79877	60.88	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 121.76%			
41) Toluene-d8	8.691	98	202966	47.19	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.38%			
59) Bromofluorobenzene	11.767	95	91535	46.58	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 93.16%			

Target Compounds	Qvalue

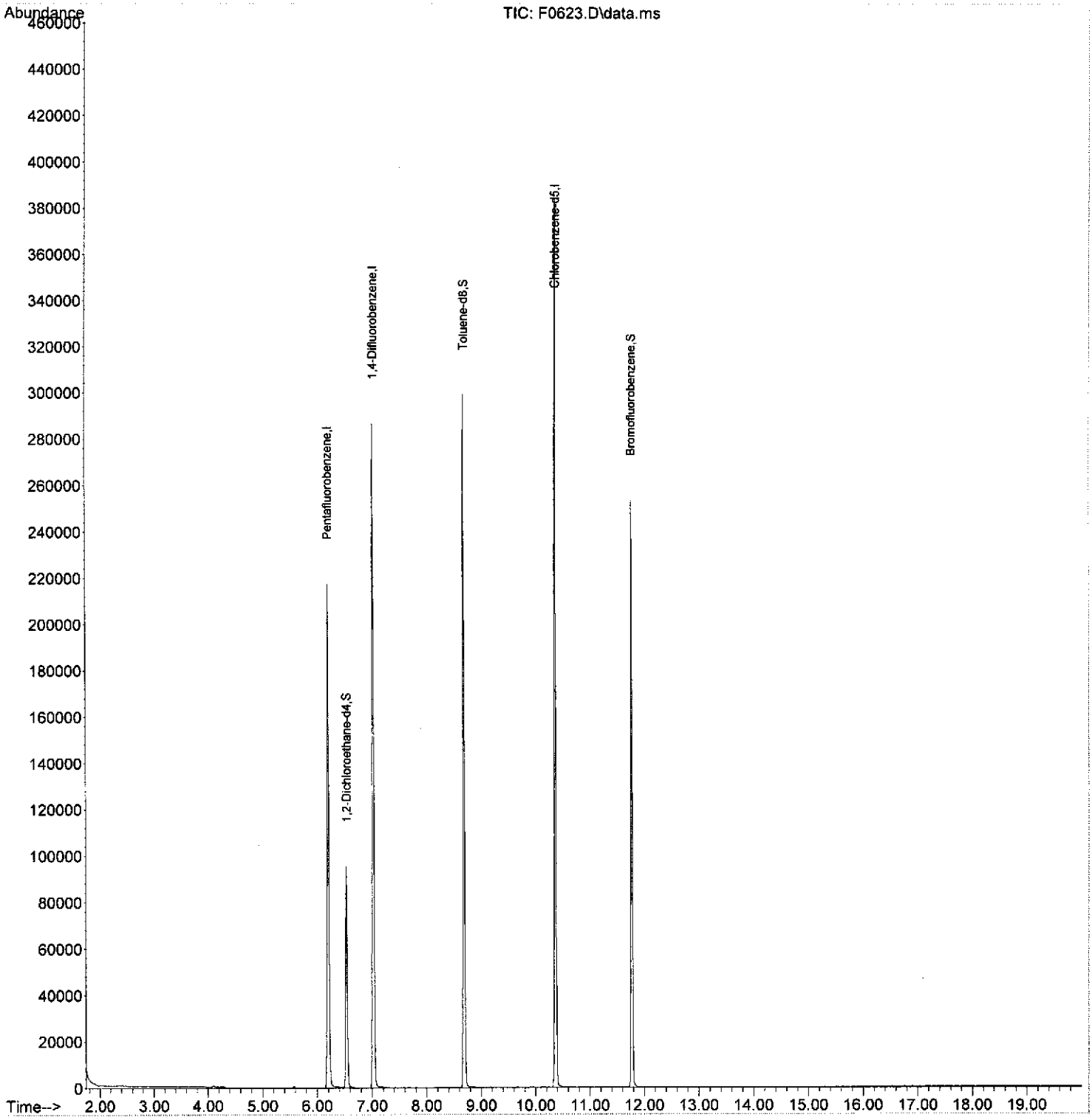
(#) = qualifier out of range (m) = manual integration (+) = signals summed

0122

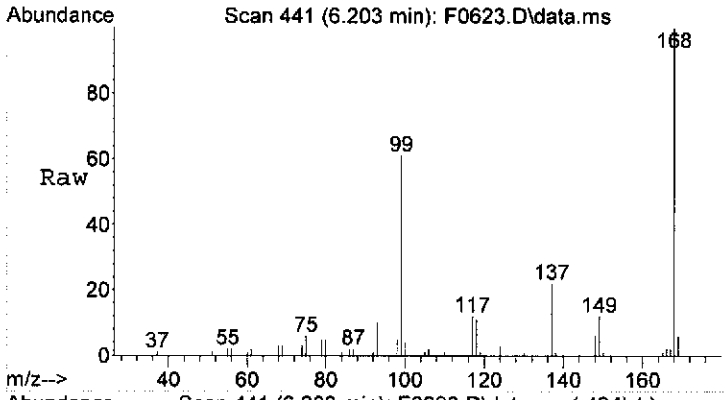
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0623.D
Acq On : 13 Jul 2010 19:34
Operator : XING
Sample : FB(070910),06728-011,A,5ml,100
Misc : ARCADIS/KINGS_ELEC,07/09/10,07/09/10,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 14 21:23:49 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



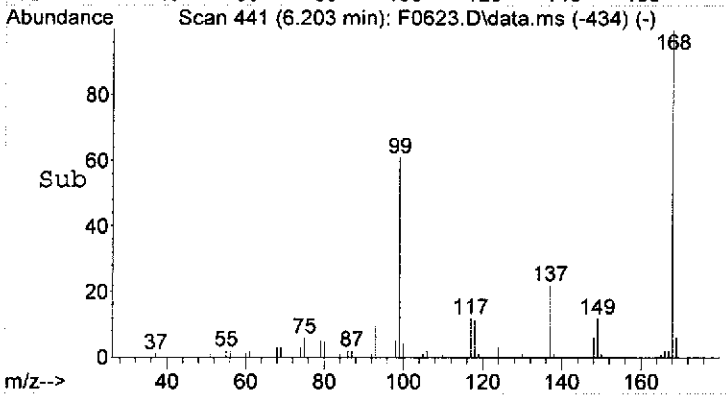
0123

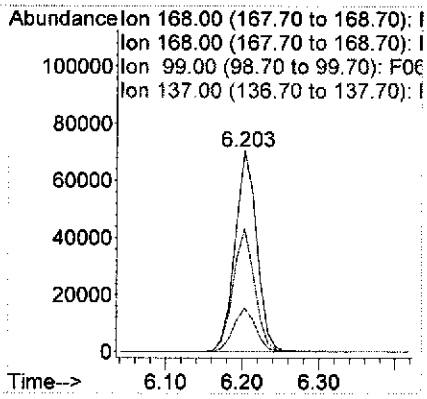


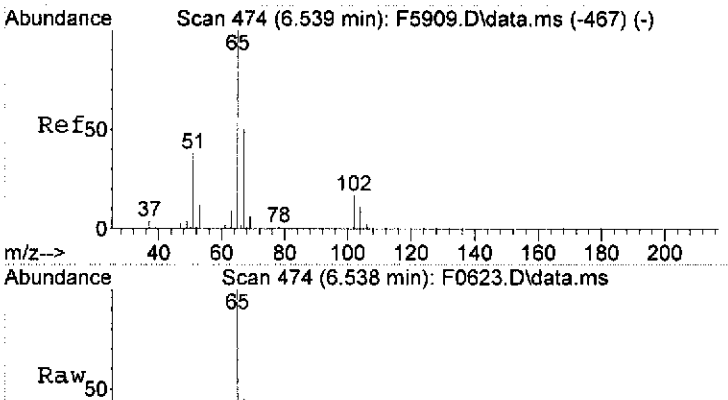
#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.203 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0623.D
Acq: 13 Jul 2010 19:34

Tgt Ion:168 Resp: 138188

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0



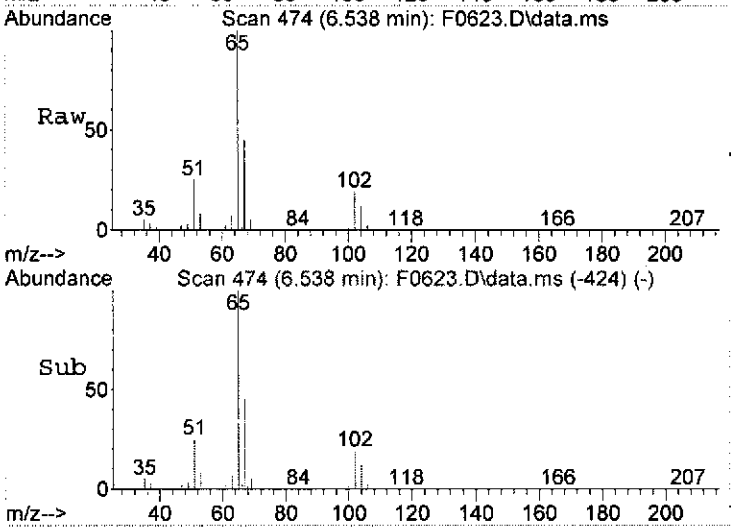


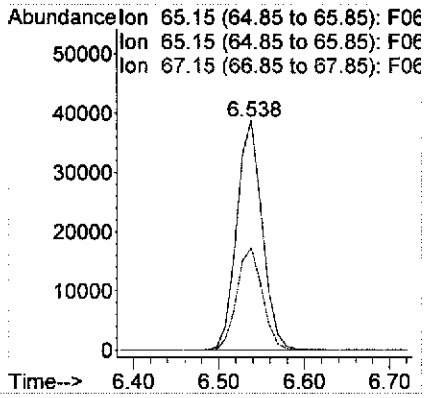


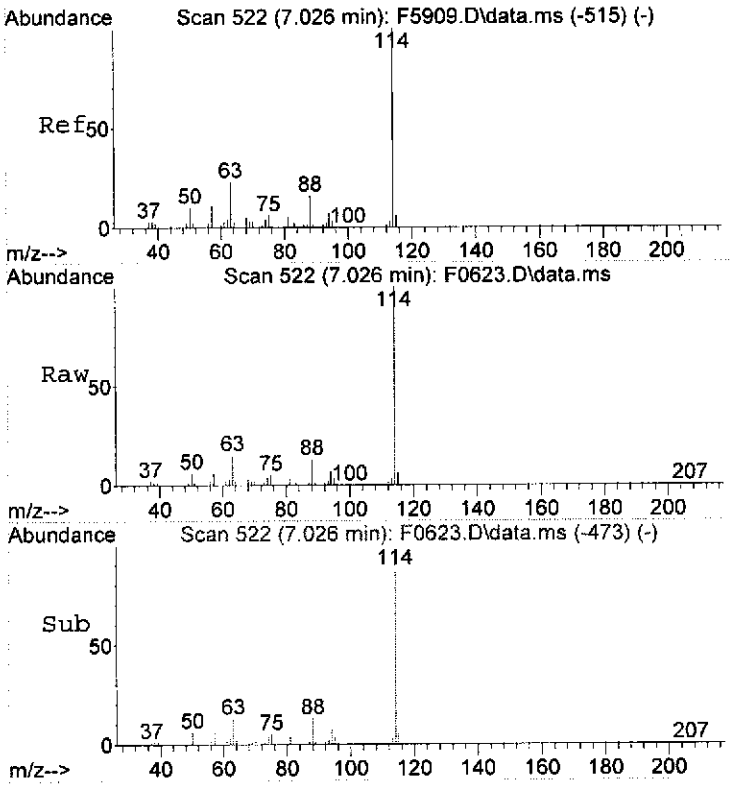
#30
1,2-Dichloroethane-d4
Concen: 60.88 UG
RT: 6.538 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0623.D
Acq: 13 Jul 2010 19:34

Tgt Ion: 65 Resp: 79877

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	44.8	41.3	61.9



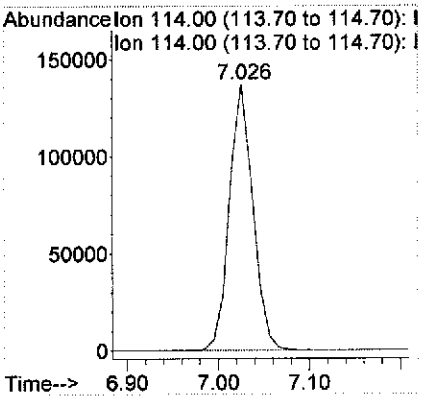


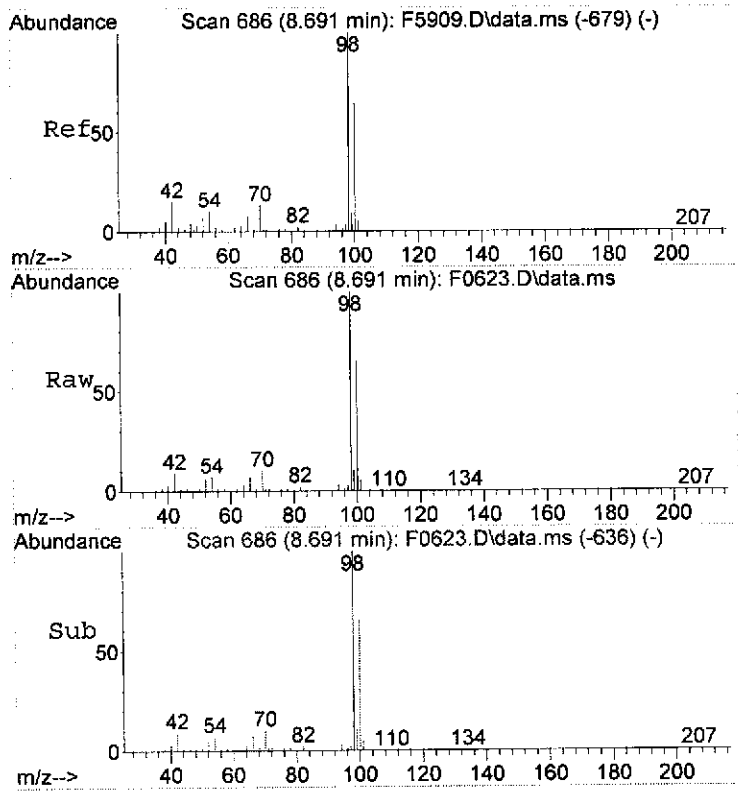


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0623.D
Acq: 13 Jul 2010 19:34

Tgt Ion:114 Resp: 246383

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

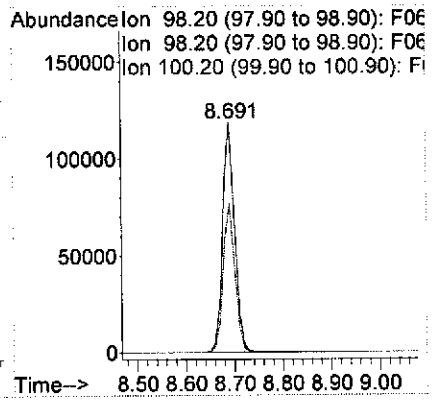


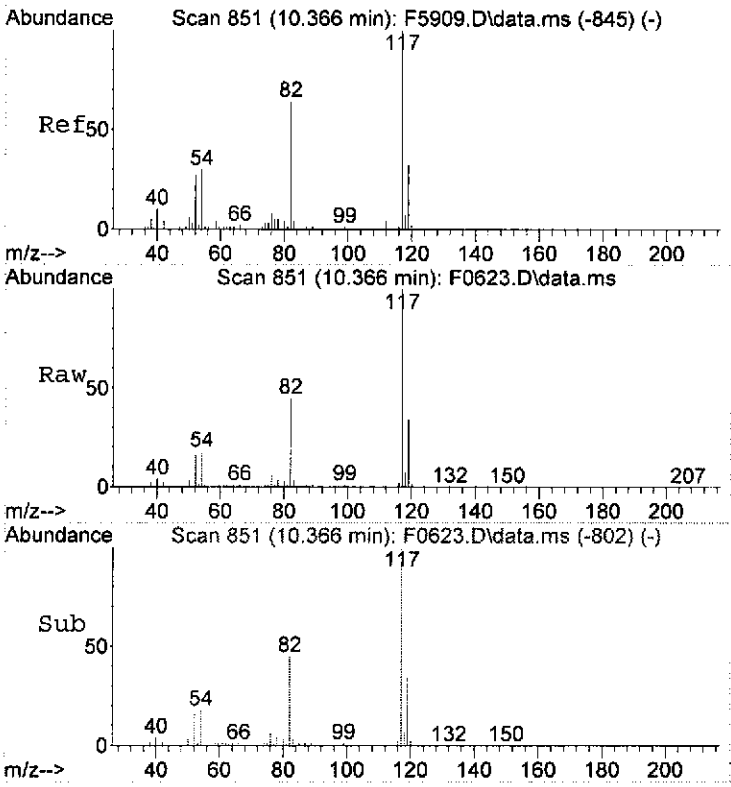


#41
Toluene-d8
Concen: 47.19 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0623.D
Acq: 13 Jul 2010 19:34

Tgt Ion: 98 Resp: 202966

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	64.7	51.2	76.8

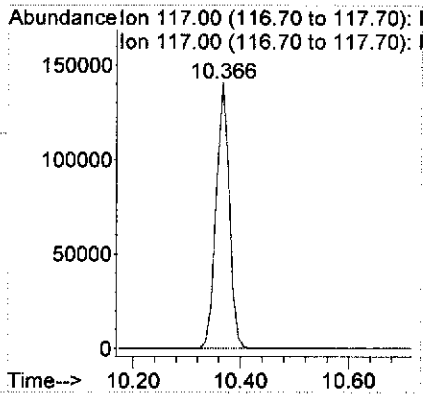


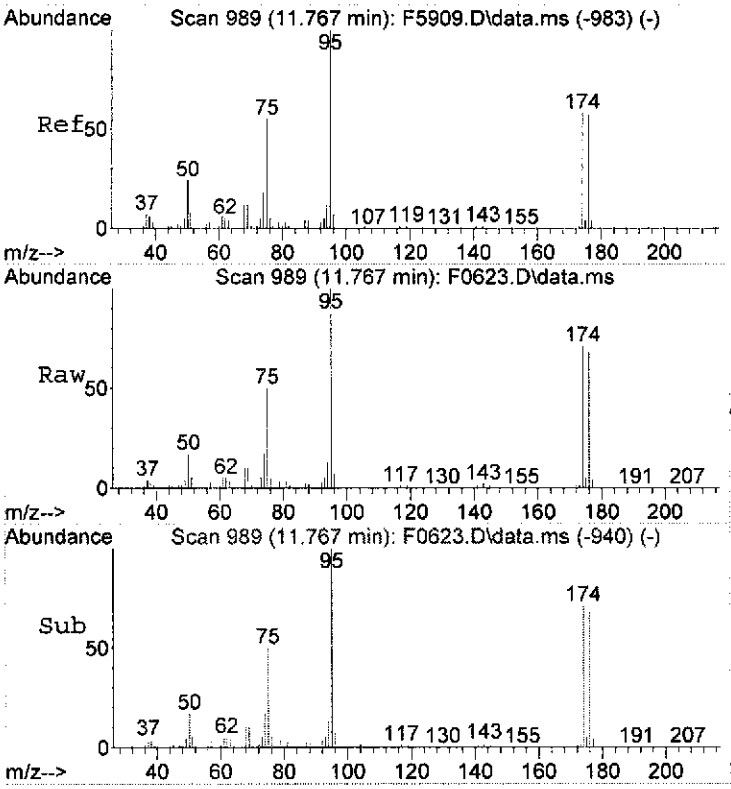


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0623.D
Acq: 13 Jul 2010 19:34

Tgt Ion:117 Resp: 241251

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

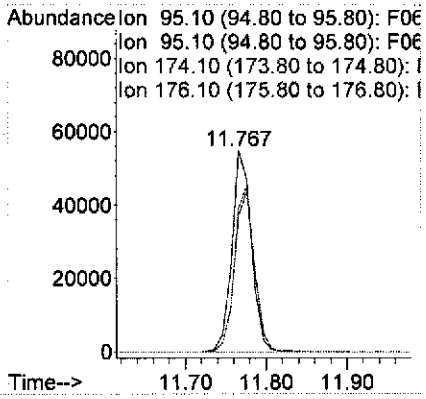




#59
Bromofluorobenzene
Concen: 46.58 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0623.D
Acq: 13 Jul 2010 19:34

Tgt Ion: 95 Resp: 91535

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	84.3	62.2	93.4
176	81.1	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0607.D
Acq On : 13 Jul 2010 11:55
Operator : XING
Sample : N/A,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 13 14:16:49 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.203	168	145454	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.026	114	255693	50.00	UG	0.00
50) Chlorobenzene-d5	10.366	117	244487	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.538	65	80754	58.48	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 116.96%			
41) Toluene-d8	8.691	98	204459	45.81	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 91.62%			
59) Bromofluorobenzene	11.767	95	92800	46.60	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 93.20%			

Target Compounds	Qvalue

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

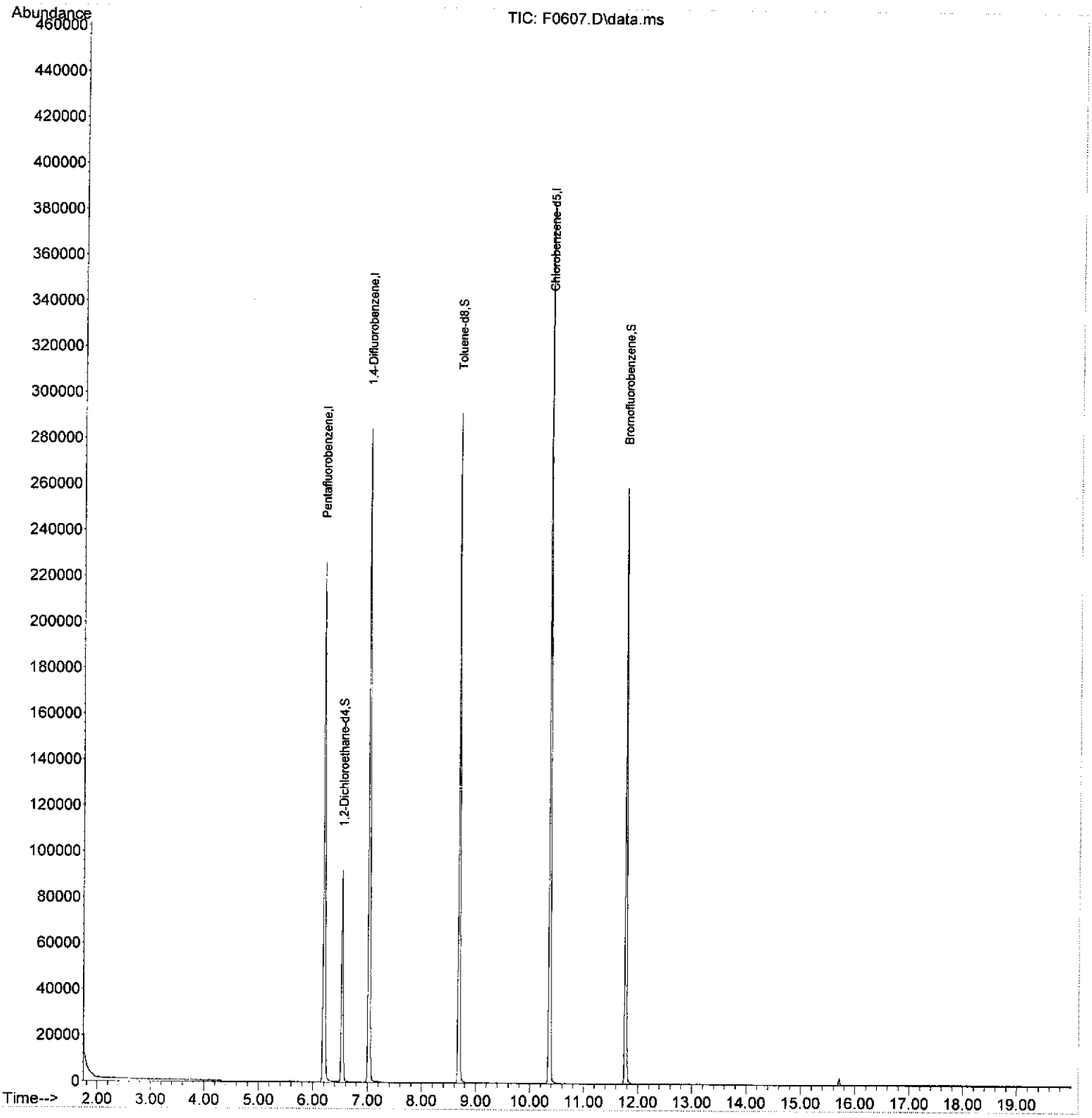
0127

Xfg 7/14

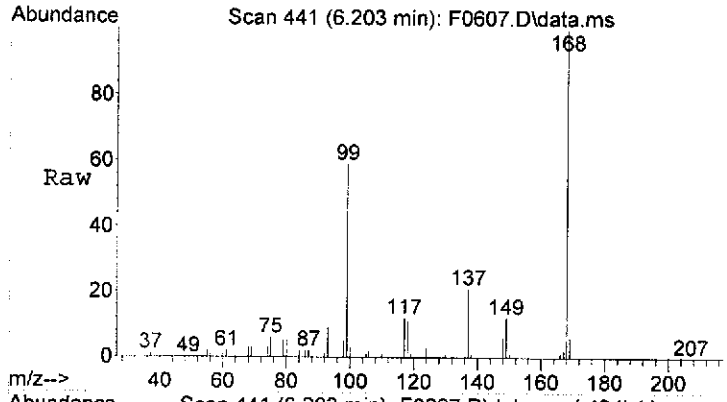
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0607.D
Acq On : 13 Jul 2010 11:55
Operator : XING
Sample : N/A,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 13 14:16:49 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



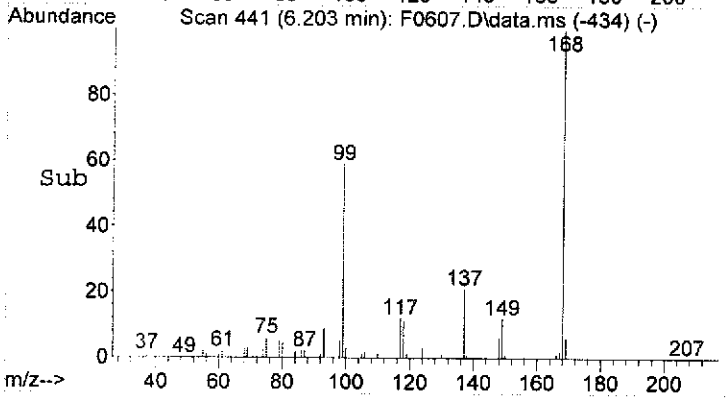
FAM0702.M Wed Jul 14 15:40:09 2010 RP1

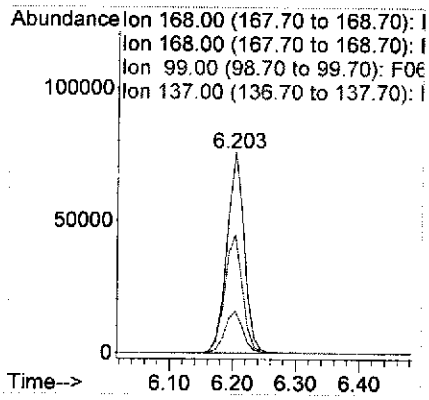


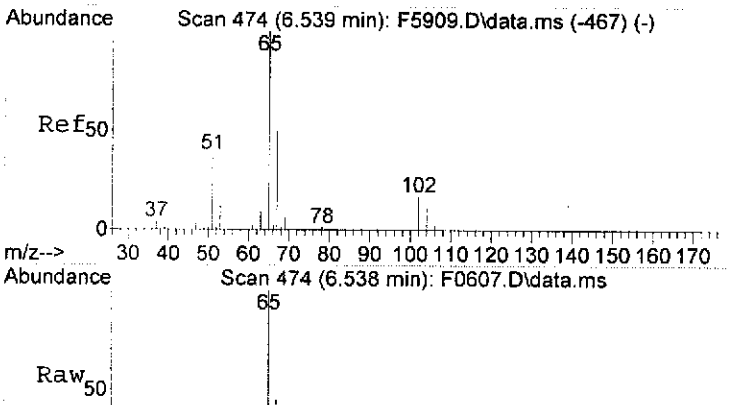
#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.203 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0607.D
Acq: 13 Jul 2010 11:55

Tgt Ion:168 Resp: 145454

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0



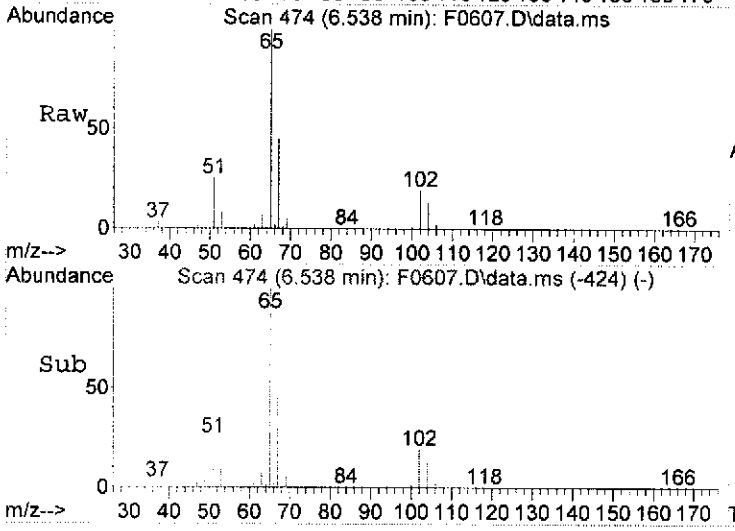


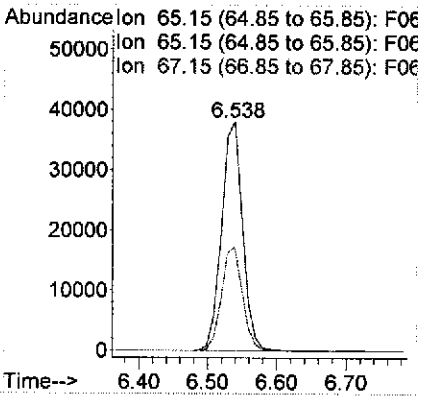


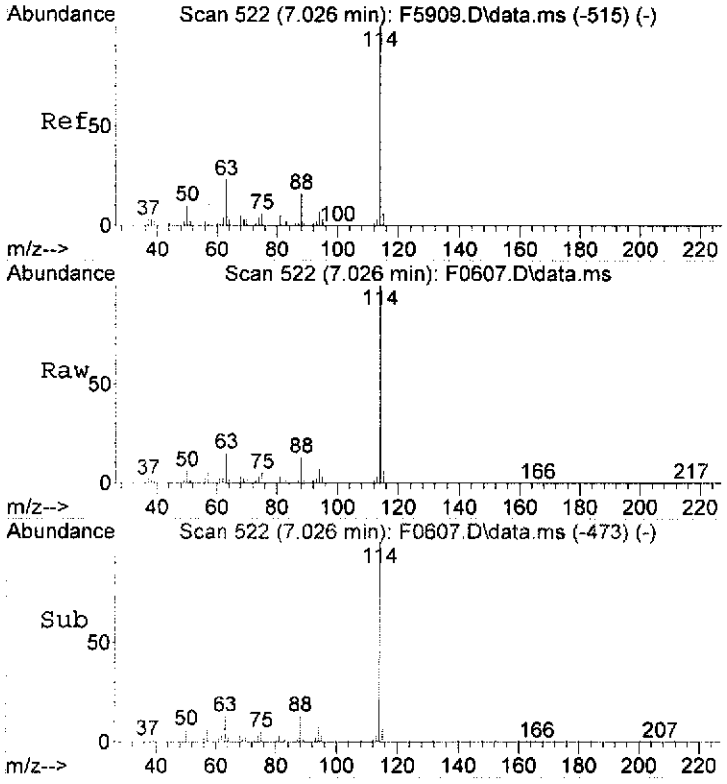
#30
1,2-Dichloroethane-d4
Concen: 58.48 UG
RT: 6.538 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0607.D
Acq: 13 Jul 2010 11:55

Tgt Ion: 65 Resp: 80754

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	45.0	41.3	61.9



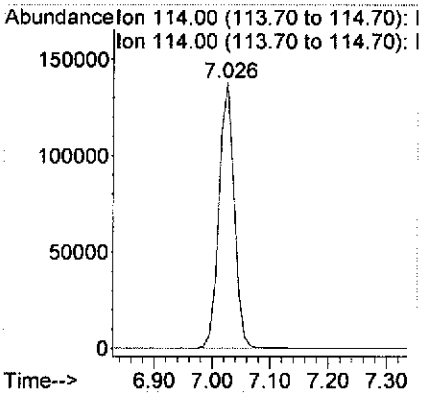


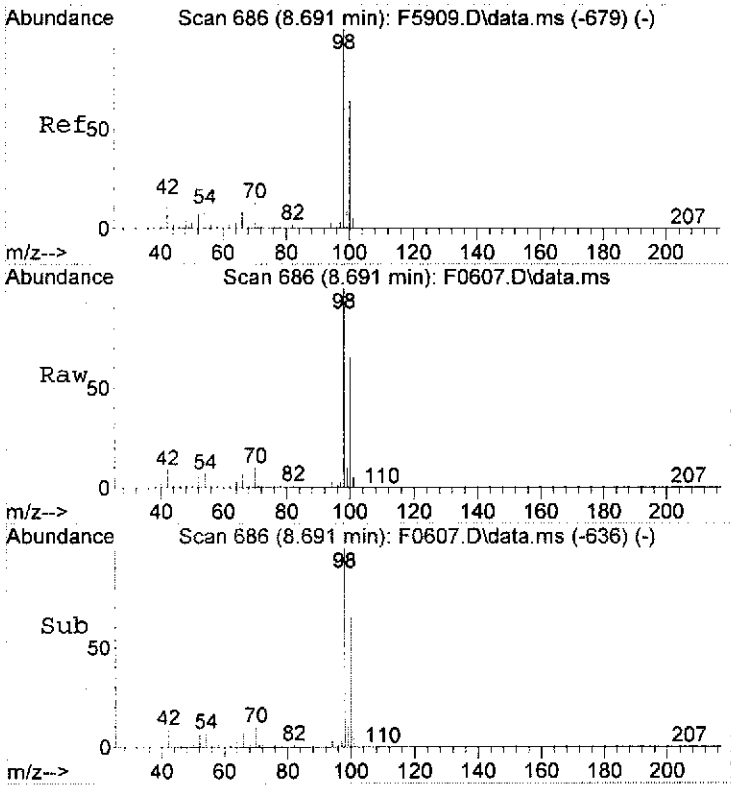


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0607.D
Acq: 13 Jul 2010 11:55

Tgt Ion:114 Resp: 255693

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

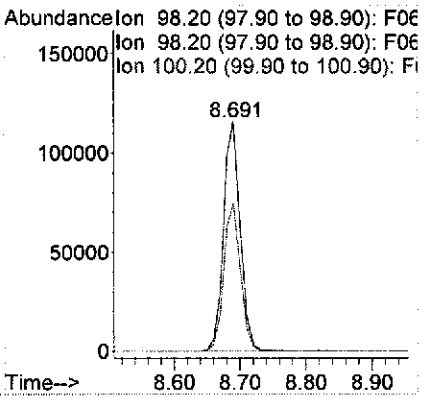


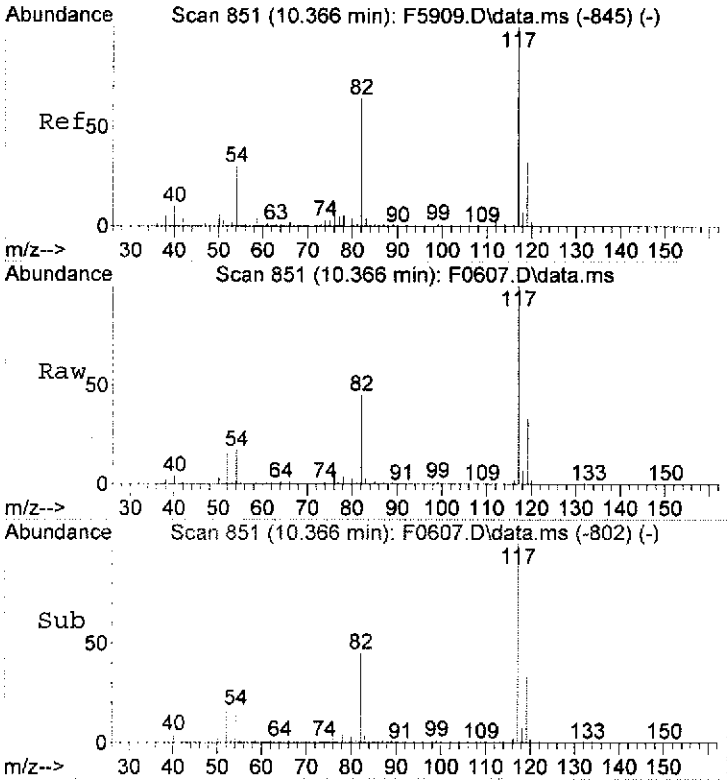


#41
Toluene-d8
Concen: 45.81 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0607.D
Acq: 13 Jul 2010 11:55

Tgt Ion: 98 Resp: 204459

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	64.8	51.2	76.8

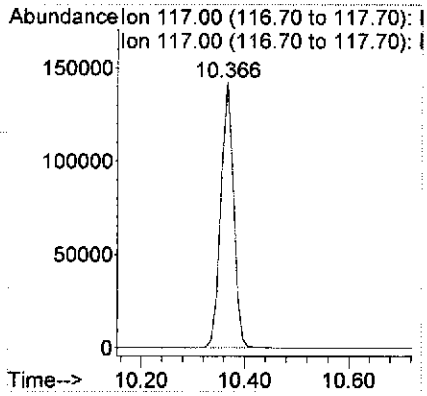


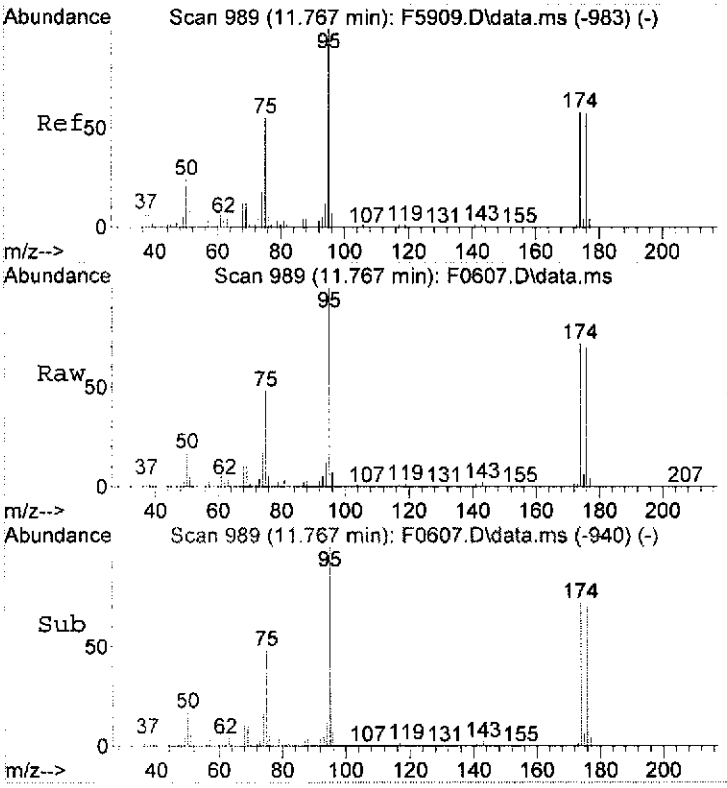


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0607.D
Acq: 13 Jul 2010 11:55

Tgt Ion:117 Resp: 244487

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

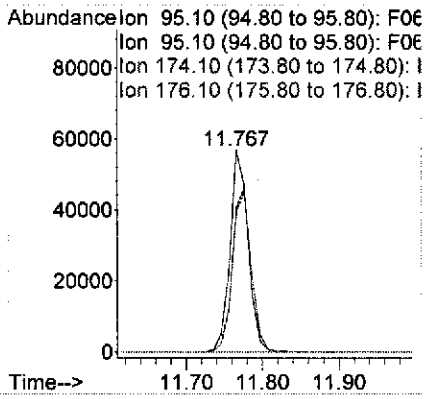




#59
Bromofluorobenzene
Concen: 46.60 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0607.D
Acq: 13 Jul 2010 11:55

Tgt Ion: 95 Resp: 92800

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	85.0	62.2	93.4
176	82.3	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0610.D
Acq On : 13 Jul 2010 13:50
Operator : XING
Sample : LCS-50PPB,BLK-SPK,A,5ml,100
Misc : AP-RAH/ALLSTATE,07/08/10,07/08/10
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 13 14:21:27 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.204	168	176930	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.026	114	273515	50.00	UG		0.00
50) Chlorobenzene-d5	10.366	117	288349	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.539	65	84757	50.46	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 100.92%				
41) Toluene-d8	8.691	98	259976	54.45	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 108.90%				
59) Bromofluorobenzene	11.767	95	123977	52.78	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 105.56%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.788	85	62992	48.31	UG		100
3) Chloromethane	1.960	50	38504	46.98	UG		99
4) Vinyl chloride	2.092	62	46396	45.66	UG		99
5) Bromomethane	2.468	94	41803	48.42	UG	#	55
6) Chloroethane	2.590	64	28344	48.00	UG		100
7) Trichlorofluoromethane	2.874	101	119065	51.02	UG	#	37
8) Acrolein	3.402	56	7552m	163.91	UG		
9) 1,1-Dichloroethene	3.503	96	54083	46.12	UG	#	100
10) Acetone	3.595	43	16154	49.59	UG		100
11) Carbon disulfide	3.757	76	168730	46.76	UG		100
12) Vinyl acetate	5.006	43	163147	50.56	UG		100
13) Methylene chloride	4.102	84	64938	45.78	UG	#	100
14) Acrylonitrile	4.427	53	54533	144.08	UG	#	100
15) tert-Butyl alcohol (TBA)	4.295	59	10180	89.04	UG	#	100
16) trans-1,2-Dichloroethene	4.427	96	77643	47.56	UG	#	98
17) Methyl tert-butyl ethe...	4.437	73	198990	46.84	UG		100
18) 1,1-Dichloroethane	4.935	63	112116	45.88	UG	#	99
19) Diisopropyl ether (DIPE)	5.016	45	189114	54.79	UG	#	100
20) cis-1,2-Dichloroethene	5.605	96	79337	50.62	UG	#	99
21) 2,2-Dichloropropane	5.595	77	89208	49.49	UG		93
22) 2-Butanone (MEK)	5.645	43	23035	48.86	UG	#	97
23) Bromochloromethane	5.879	128	54697	48.10	UG	#	100
25) Chloroform	5.970	83	155174	49.14	UG		100
26) 1,1,1-Trichloroethane	6.163	97	138308	49.87	UG	#	58
27) Carbon tetrachloride	6.346	117	136570	51.56	UG		99
28) 1,1-Dichloropropene	6.356	75	85207	50.02	UG	#	95
29) 1,2-Dichloroethane (EDC)	6.620	62	127083	49.79	UG		100
32) Benzene	6.589	78	259278	47.81	UG		100
33) Trichloroethene	7.310	95	76828	48.16	UG	#	79
34) 1,2-Dichloropropane	7.574	63	57306	49.32	UG	#	100
35) Dibromomethane	7.706	93	50046	48.58	UG		97
36) 1,4-Dioxane	7.737	88	15235	1468.35	UG	#	100
37) Bromodichloromethane	7.879	83	113226	50.86	UG	#	68
38) 2-Chloroethyl vinyl ether	8.224	63	30492	48.48	UG	#	94
39) cis-1,3-Dichloropropene	8.386	75	100462	54.55	UG	#	97
40) 4-Methyl-2-pentanone (...	8.569	43	43301	50.12	UG		98
42) Toluene	8.762	92	192113	50.59	UG		99
43) trans-1,3-Dichloropropene	9.026	75	101352	53.28	UG	#	98
44) 1,1,2-Trichloroethane	9.239	83	48196	47.58	UG		93

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0610.D
Acq On : 13 Jul 2010 13:50
Operator : XING
Sample : LCS-50PPB,BLK-SPK,A,5ml,100
Misc : AP-RAH/ALLSTATE,07/08/10,07/08/10
ALS Vial : 8 Sample Multiplier: 1

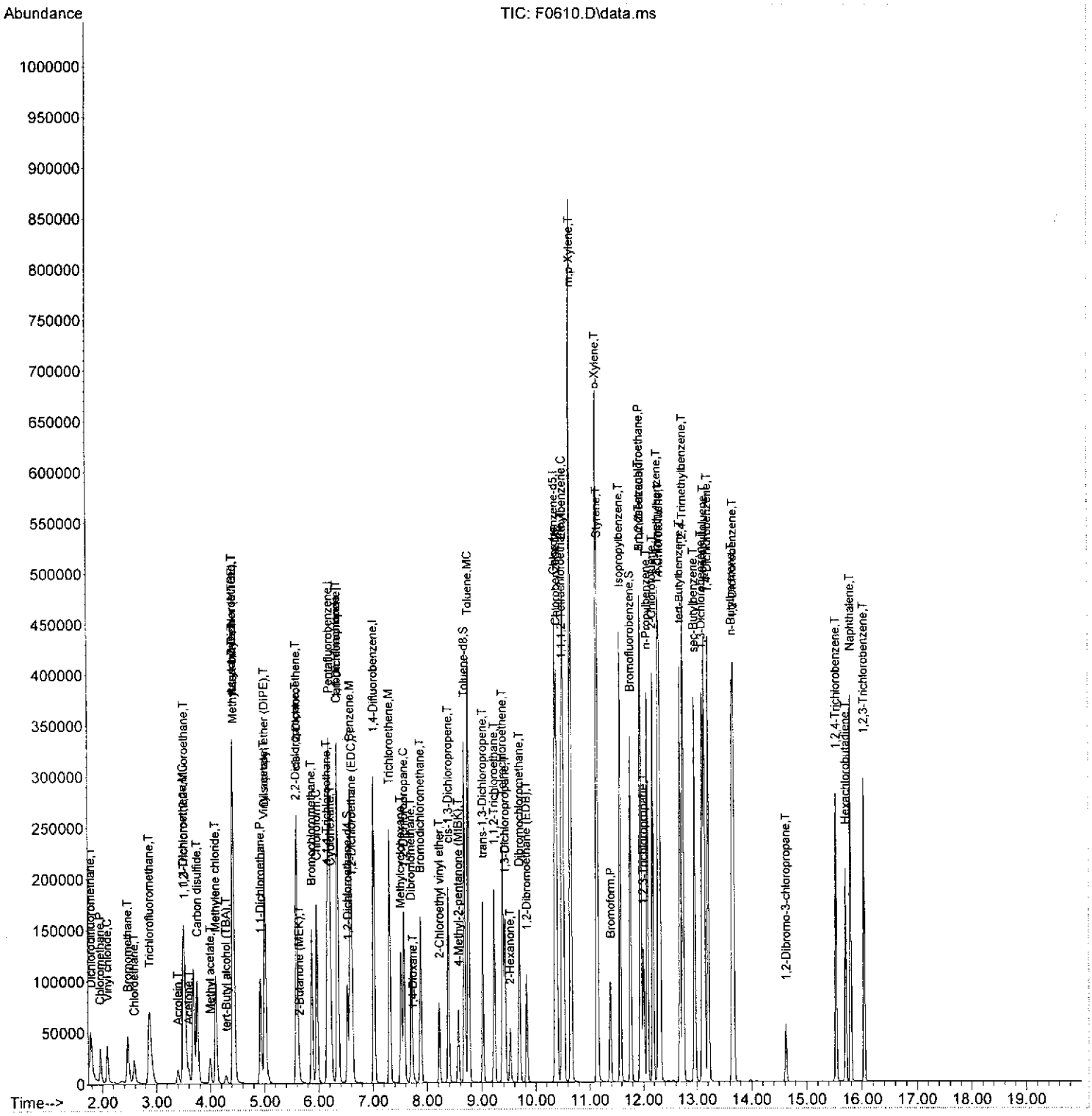
Quant Time: Jul 13 14:21:27 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Tetrachloroethene	9.391	166	77264	50.24	UG	#	99
46) 1,3-Dichloropropane	9.432	76	99688	52.43	UG		99
47) 2-Hexanone	9.523	43	31386	52.57	UG		98
48) Dibromochloromethane	9.696	129	109144	53.23	UG		100
49) 1,2-Dibromoethane (EDB)	9.828	107	73158	51.38	UG		100
51) Chlorobenzene	10.396	112	255774	44.98	UG	#	100
52) 1,1,1,2-Tetrachloroethane	10.498	131	114231	46.77	UG	#	98
53) Ethylbenzene	10.518	91	347080	49.62	UG		99
54) m,p-Xylene	10.660	106	293180	100.99	UG		92
55) o-Xylene	11.137	106	144999	54.17	UG		91
56) Styrene	11.158	104	266848	53.40	UG		95
57) Bromoform	11.391	173	55843	47.11	UG	#	100
58) Isopropylbenzene	11.574	105	333528	52.46	UG		99
60) 1,1,2,2-Tetrachloroethane	11.950	83	79794	44.52	UG		100
61) Bromobenzene	11.950	156	111923	46.94	UG	#	35
62) 1,2,3-Trichloropropane	12.000	75	57394	45.14	UG	#	100
63) n-Propylbenzene	12.071	91	334567	51.83	UG	#	98
64) 2-Chlorotoluene	12.183	91	245593m	49.88	UG		
65) 1,3,5-Trimethylbenzene	12.285	105	302238	54.82	UG		99
66) 4-Chlorotoluene	12.315	91	298778	49.32	UG	#	97
67) tert-Butylbenzene	12.691	119	252528	55.39	UG	#	100
68) 1,2,4-Trimethylbenzene	12.752	105	325558	55.10	UG		99
69) sec-Butylbenzene	12.955	105	301600	54.63	UG	#	93
70) 1,3-Dichlorobenzene	13.097	146	205769	48.34	UG	#	100
71) 4-Isopropyltoluene	13.137	119	307344	56.17	UG	#	99
72) 1,4-Dichlorobenzene	13.208	146	220730	48.70	UG		100
73) n-Butylbenzene	13.645	92	107684	52.88	UG	#	91
74) 1,2-Dichlorobenzene	13.675	146	215908	49.99	UG	#	100
75) 1,2-Dibromo-3-chloropr...	14.620	75	14452	47.01	UG	#	87
76) 1,2,4-Trichlorobenzene	15.533	180	79886	47.69	UG		100
77) Hexachlorobutadiene	15.706	225	35173	46.77	UG		99
78) Naphthalene	15.797	128	322423	52.26	UG		100
79) 1,2,3-Trichlorobenzene	16.041	180	84986	50.90	UG		99
80) 1,1,2-Trichloro-1,2,2-...	3.524	101	61281	44.95	UG	#	61
81) Methyl acetate	4.001	43	36738	41.47	UG	#	97
82) Cyclohexane	6.224	56	60889	41.27	UG	#	82
83) Methylcyclohexane	7.513	55	41320	48.70	UG	#	79

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

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0610.D
Acq On : 13 Jul 2010 13:50
Operator : XING
Sample : LCS-50PPB,BLK-SPK,A,5ml,100
Misc : AP-RAH/ALLSTATE,07/08/10,07/08/10
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 13 14:21:27 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0611.D
Acq On : 13 Jul 2010 14:17
Operator : XING
Sample : MS,06728-005MS,A,5mL,100
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 14 10:01:43 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.204	168	165172	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.026	114	288664	50.00	UG		0.00
50) Chlorobenzene-d5	10.366	117	276008	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.539	65	86868	55.40	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 110.80%				
41) Toluene-d8	8.691	98	236407	46.92	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 93.84%				
59) Bromofluorobenzene	11.767	95	104715	46.58	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 93.16%				
Target Compounds							Qvalue
9) 1,1-Dichloroethene	3.503	96	71351	65.17	UG	#	100
32) Benzene	6.589	78	300094	52.43	UG		100
33) Trichloroethene	7.310	95	88265	52.43	UG	#	79
42) Toluene	8.762	92	209600	52.30	UG		99
51) Chlorobenzene	10.396	112	278802	51.23	UG	#	100

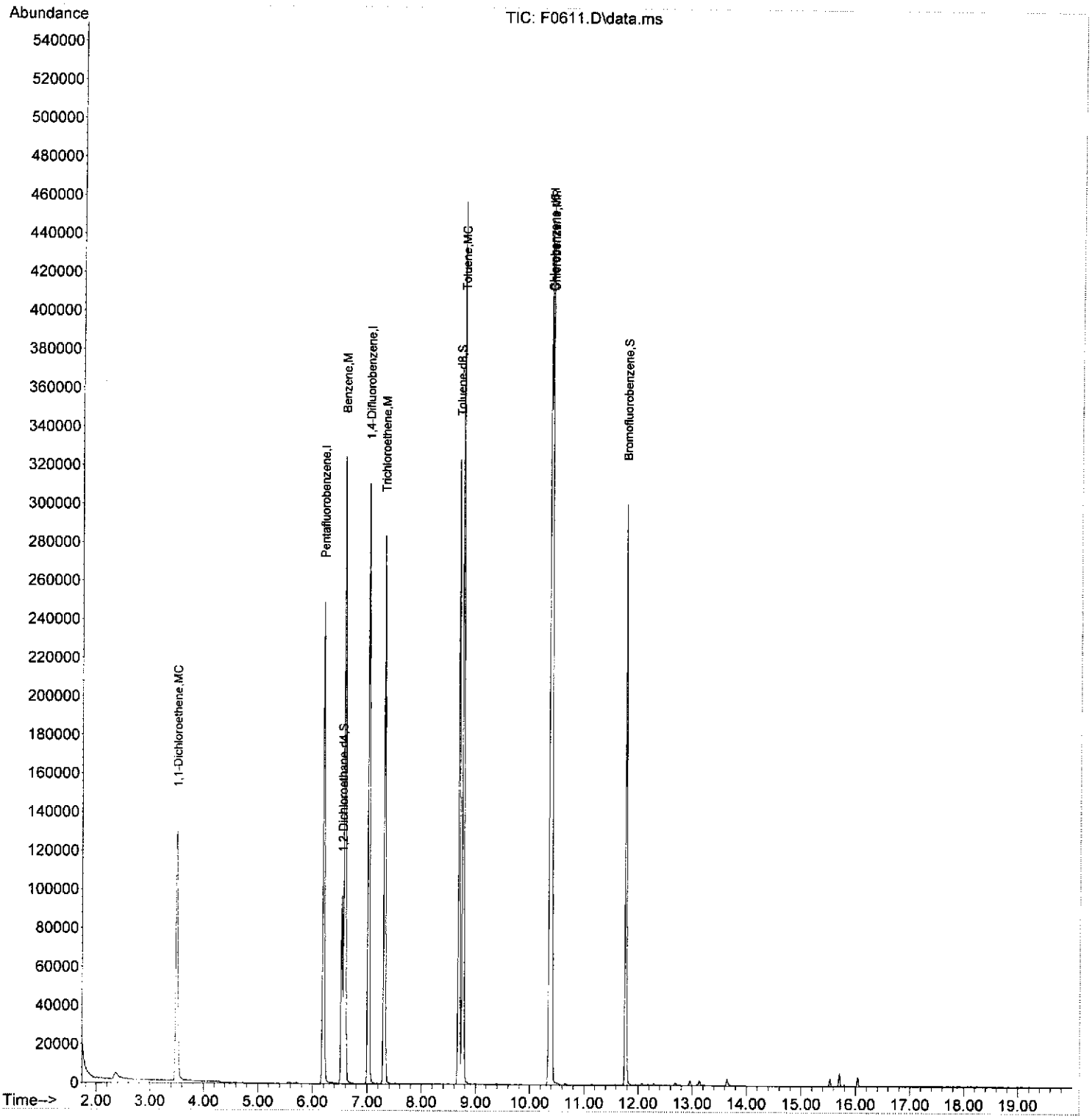
(#) = qualifier out of range (m) = manual integration (+) = signals summed

XHG

Quantitation Report (QT Reviewed)

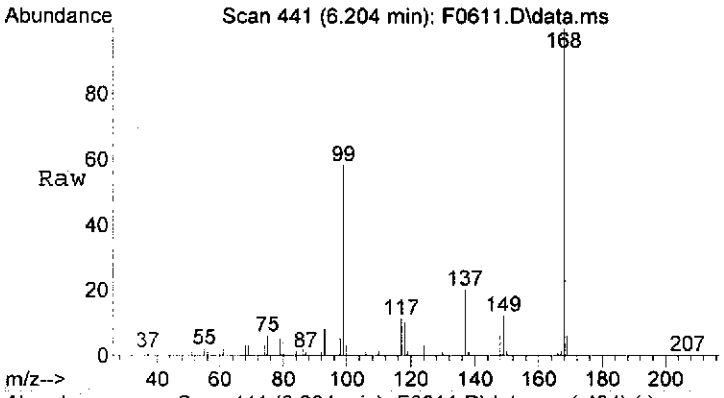
Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0611.D
Acq On : 13 Jul 2010 14:17
Operator : XING
Sample : MS,06728-005MS,A,5mL,100
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 14 10:01:43 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration



FAM0702.M Wed Jul 14 15:40:30 2010 RP1

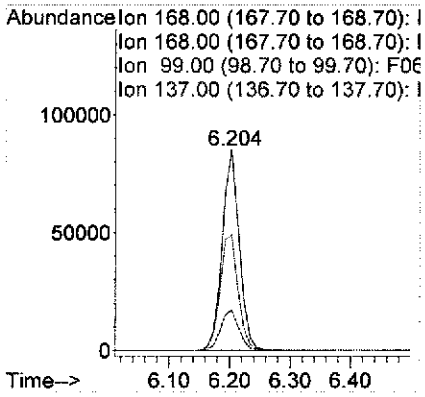
0136

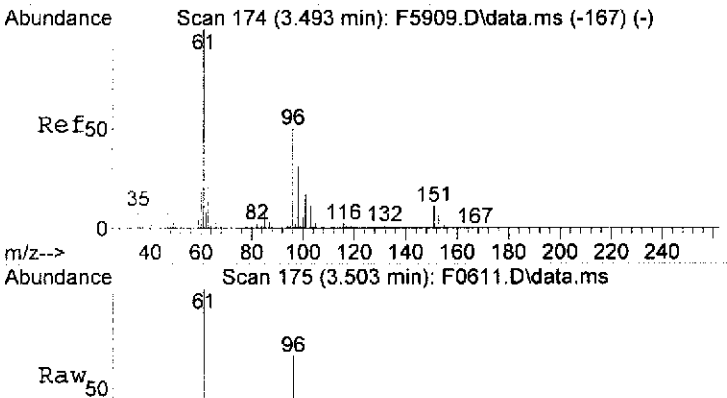


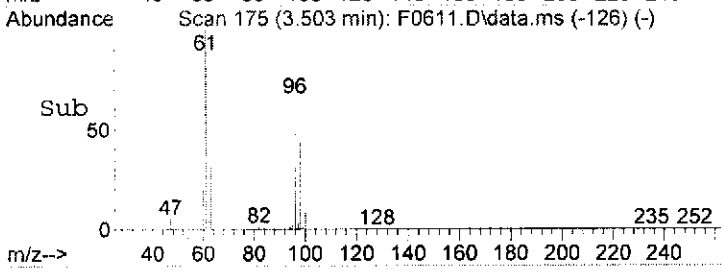
#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.204 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0611.D
Acq: 13 Jul 2010 14:17

Tgt Ion:168 Resp: 165172

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0



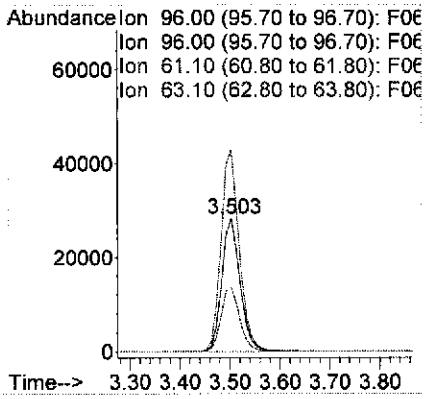


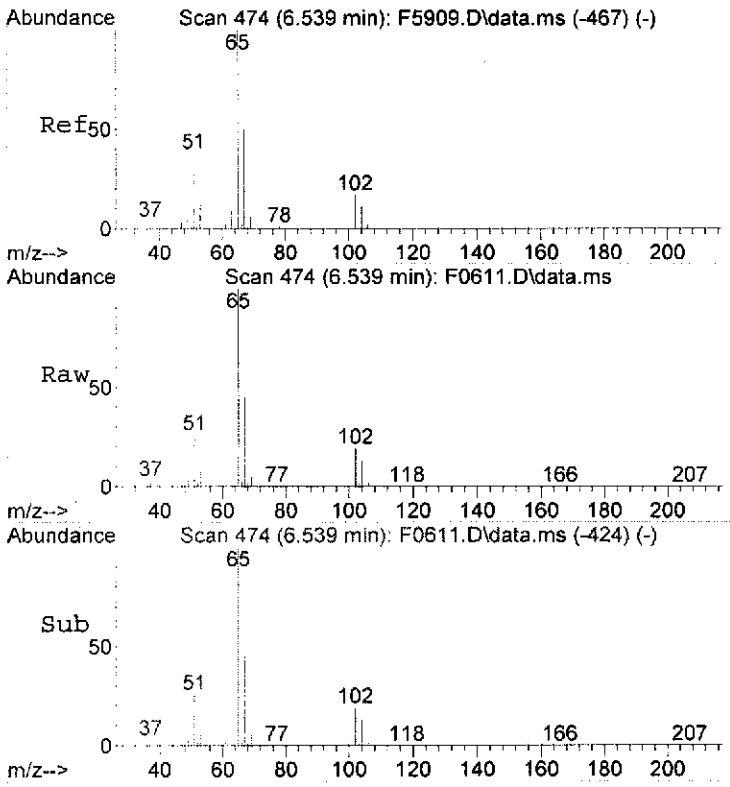


#9
1,1-Dichloroethene
Concen: 65.17 UG
RT: 3.503 min Scan# 175
Delta R.T. 0.000 min
Lab File: F0611.D
Acq: 13 Jul 2010 14:17

Tgt Ion: 96 Resp: 71351

Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
61	0.0	0.0	0.0
63	0.0	0.0	0.0

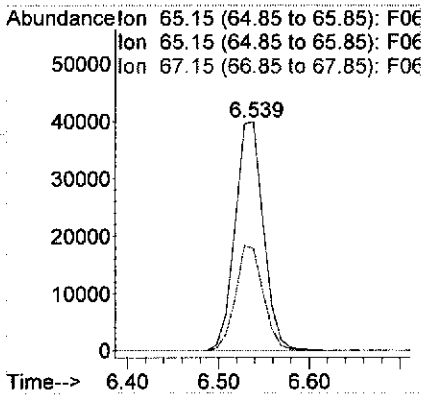


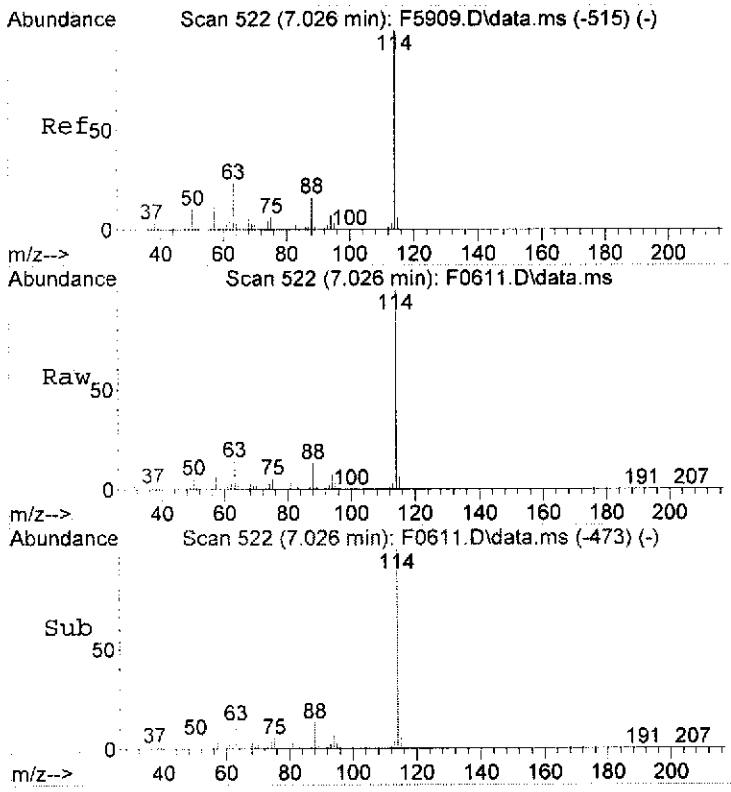


#30
1,2-Dichloroethane-d4
Concen: 55.40 UG
RT: 6.539 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0611.D
Acq: 13 Jul 2010 14:17

Tgt Ion: 65 Resp: 86868

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	45.1	41.3	61.9

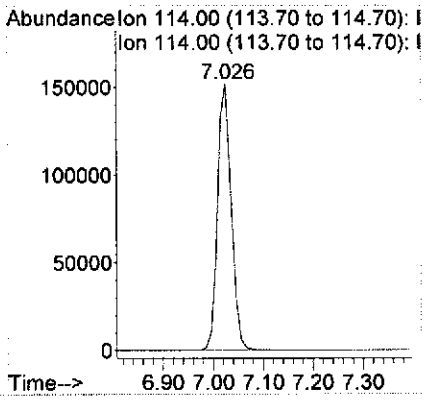


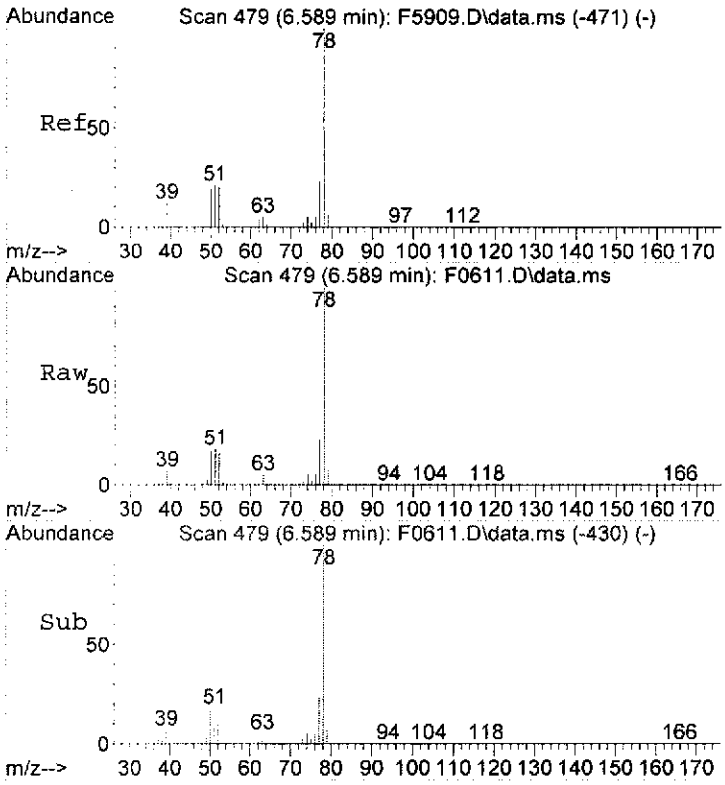


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0611.D
Acq: 13 Jul 2010 14:17

Tgt Ion:114 Resp: 288664

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

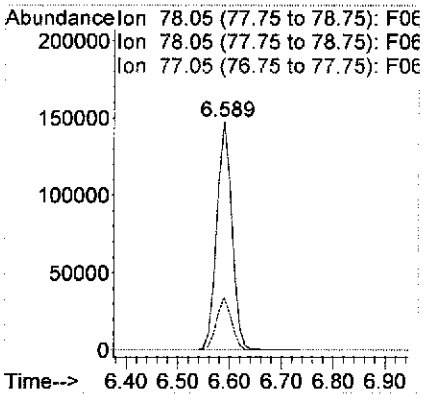


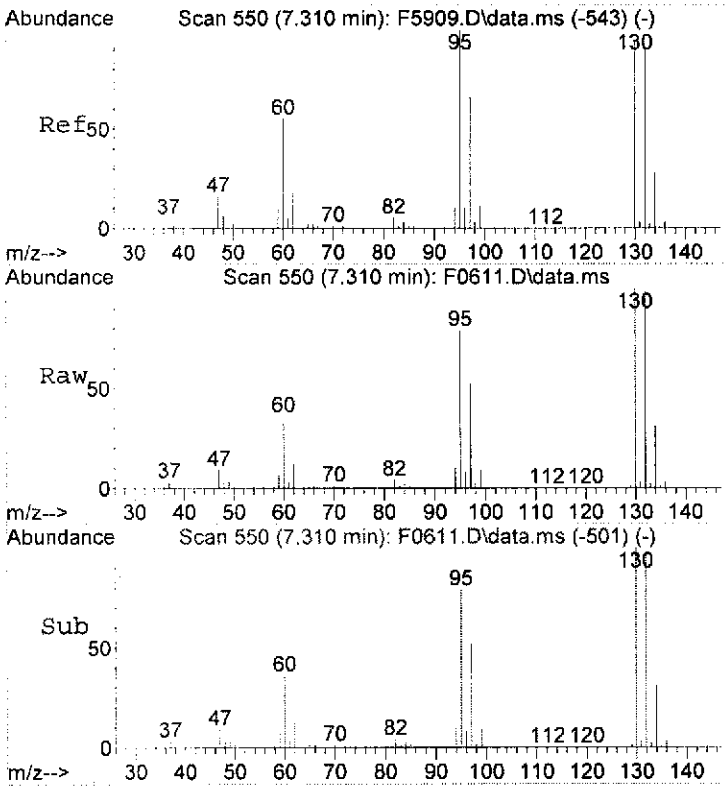


#32
Benzene
Concen: 52.43 UG
RT: 6.589 min Scan# 479
Delta R.T. 0.000 min
Lab File: F0611.D
Acq: 13 Jul 2010 14:17

Tgt Ion: 78 Resp: 300094

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	22.9	18.6	27.8

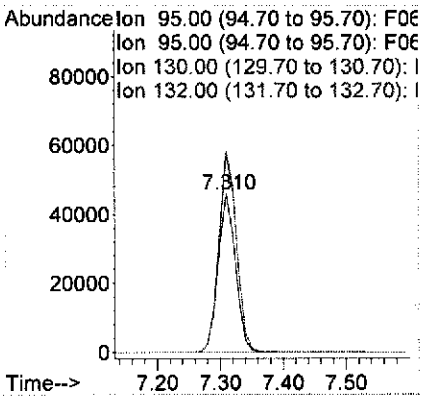


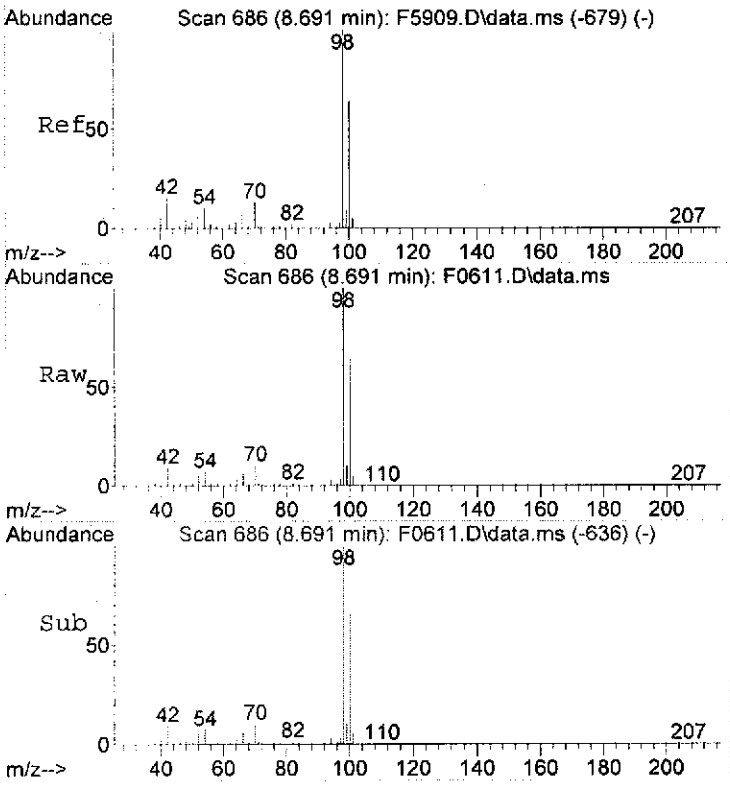


#33
Trichloroethene
Concen: 52.43 UG
RT: 7.310 min Scan# 550
Delta R.T. 0.000 min
Lab File: F0611.D
Acq: 13 Jul 2010 14:17

Tgt Ion: 95 Resp: 88265

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
130	129.0	80.4	120.6#
132	126.2	74.2	111.2#

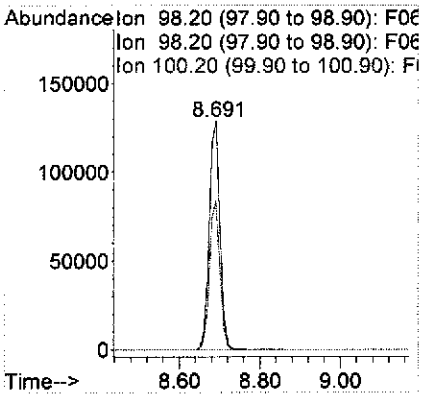


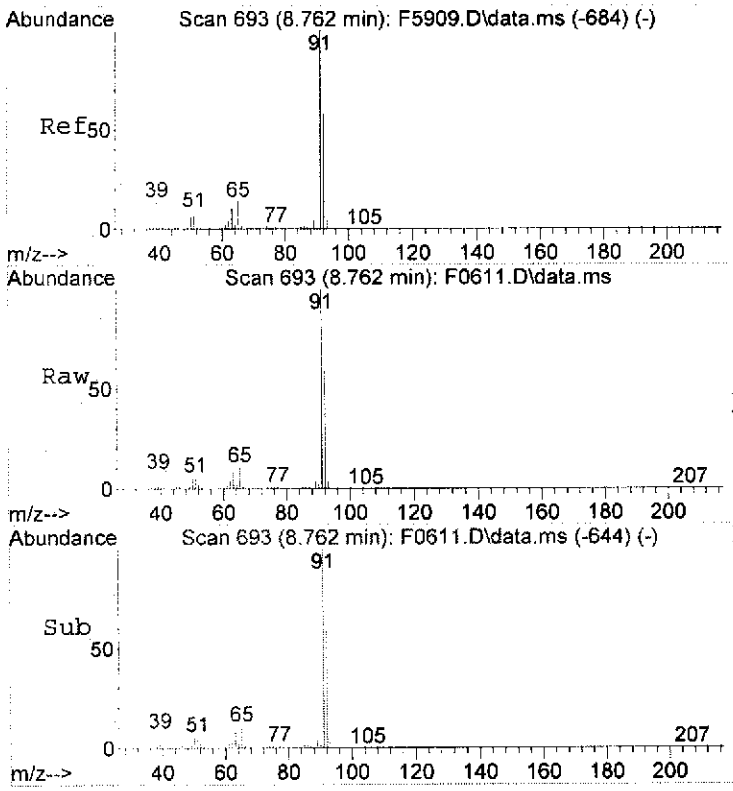


#41
Toluene-d8
Concen: 46.92 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0611.D
Acq: 13 Jul 2010 14:17

Tgt Ion: 98 Resp: 236407

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	63.9	51.2	76.8

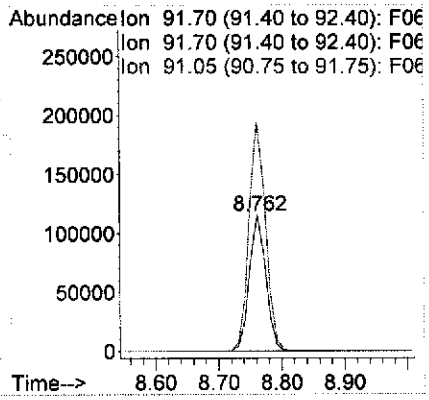


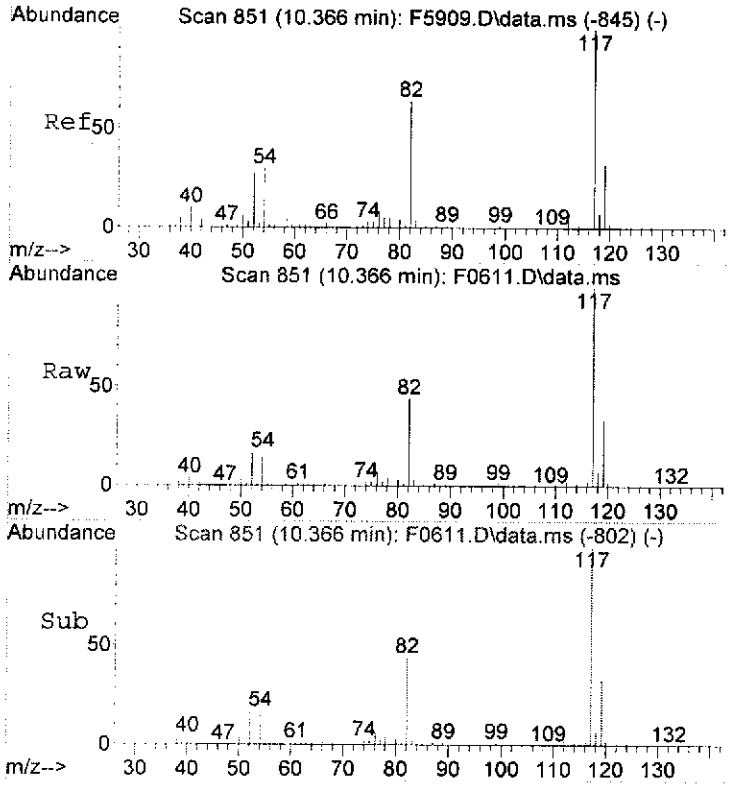


#42
Toluene
Concen: 52.30 UG
RT: 8.762 min Scan# 693
Delta R.T. 0.000 min
Lab File: F0611.D
Acq: 13 Jul 2010 14:17

Tgt Ion: 92 Resp: 209600

Ion	Ratio	Lower	Upper
92	100		
92	100.0	80.0	120.0
91	169.6	133.4	200.0

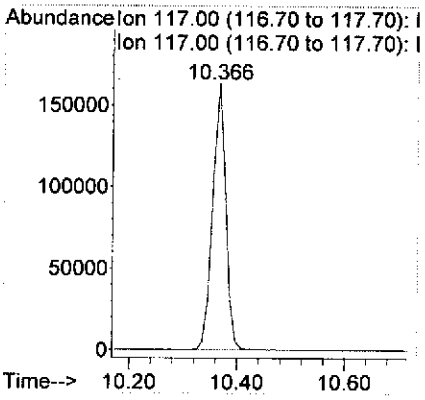


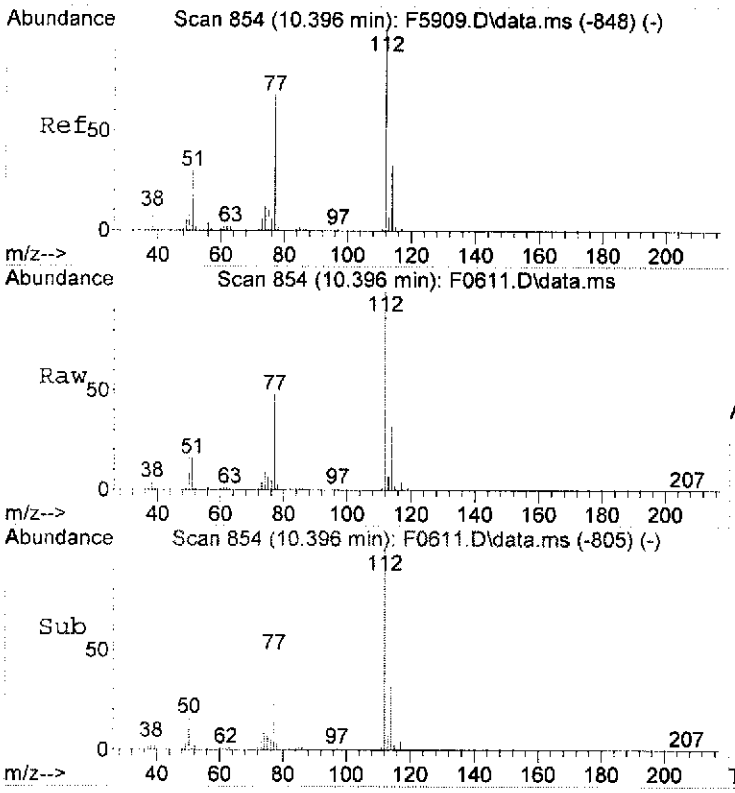


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0611.D
Acq: 13 Jul 2010 14:17

Tgt Ion:117 Resp: 276008

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

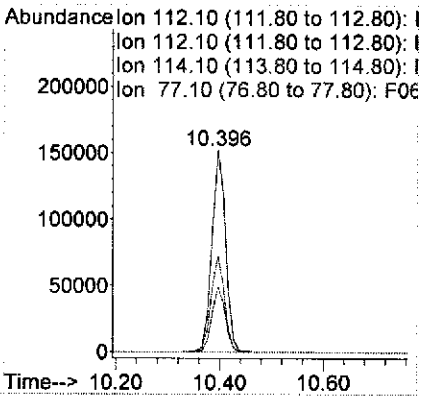


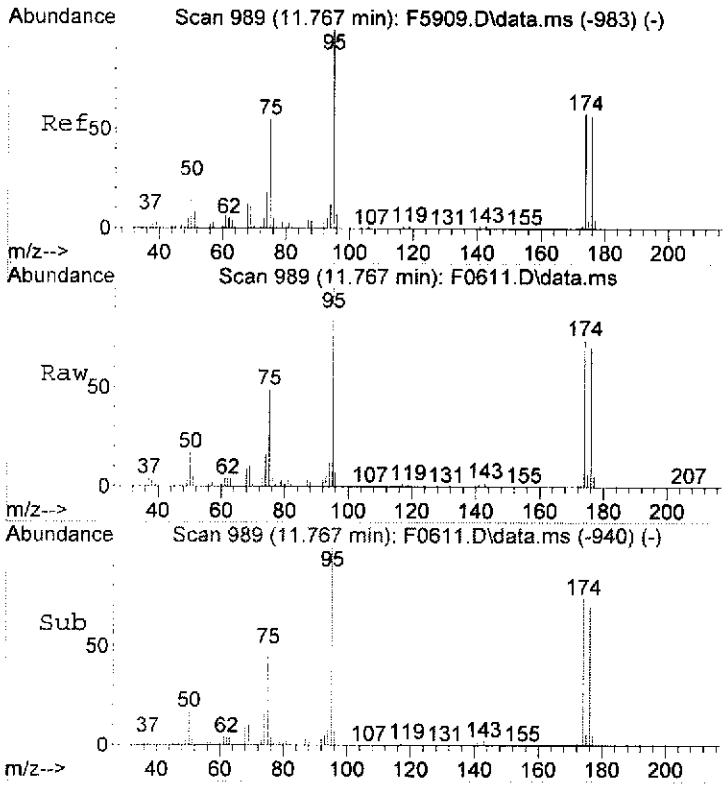


#51
Chlorobenzene
Concen: 51.23 UG
RT: 10.396 min Scan# 854
Delta R.T. 0.000 min
Lab File: F0611.D
Acq: 13 Jul 2010 14:17

Tgt Ion:112 Resp: 278802

Ion	Ratio	Lower	Upper
112	100		
112	100.0	80.0	120.0
114	32.0	25.8	38.8
77	0.0	0.0	0.0

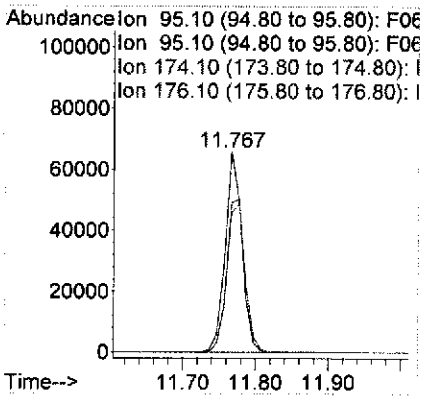




#59
Bromofluorobenzene
Concen: 46.58 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0611.D
Acq: 13 Jul 2010 14:17

Tgt Ion: 95 Resp: 104715

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	85.1	62.2	93.4
176	81.4	60.5	90.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0612.D
Acq On : 13 Jul 2010 14:43
Operator : XING
Sample : MSD,06728-005MSD,A,5mL,100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 14 10:02:24 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.204	168	160999	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.026	114	282662	50.00	UG		0.00
50) Chlorobenzene-d5	10.366	117	272665	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.539	65	87000	56.92	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 113.84%				
41) Toluene-d8	8.691	98	231158	46.85	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 93.70%				
59) Bromofluorobenzene	11.767	95	102132	45.98	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 91.96%				
Target Compounds							Qvalue
9) 1,1-Dichloroethene	3.503	96	69137	64.79	UG	#	100
32) Benzene	6.589	78	290639	51.86	UG		100
33) Trichloroethene	7.310	95	86545	52.50	UG	#	79
42) Toluene	8.762	92	204062	52.00	UG		99
51) Chlorobenzene	10.396	112	273855	50.93	UG	#	100

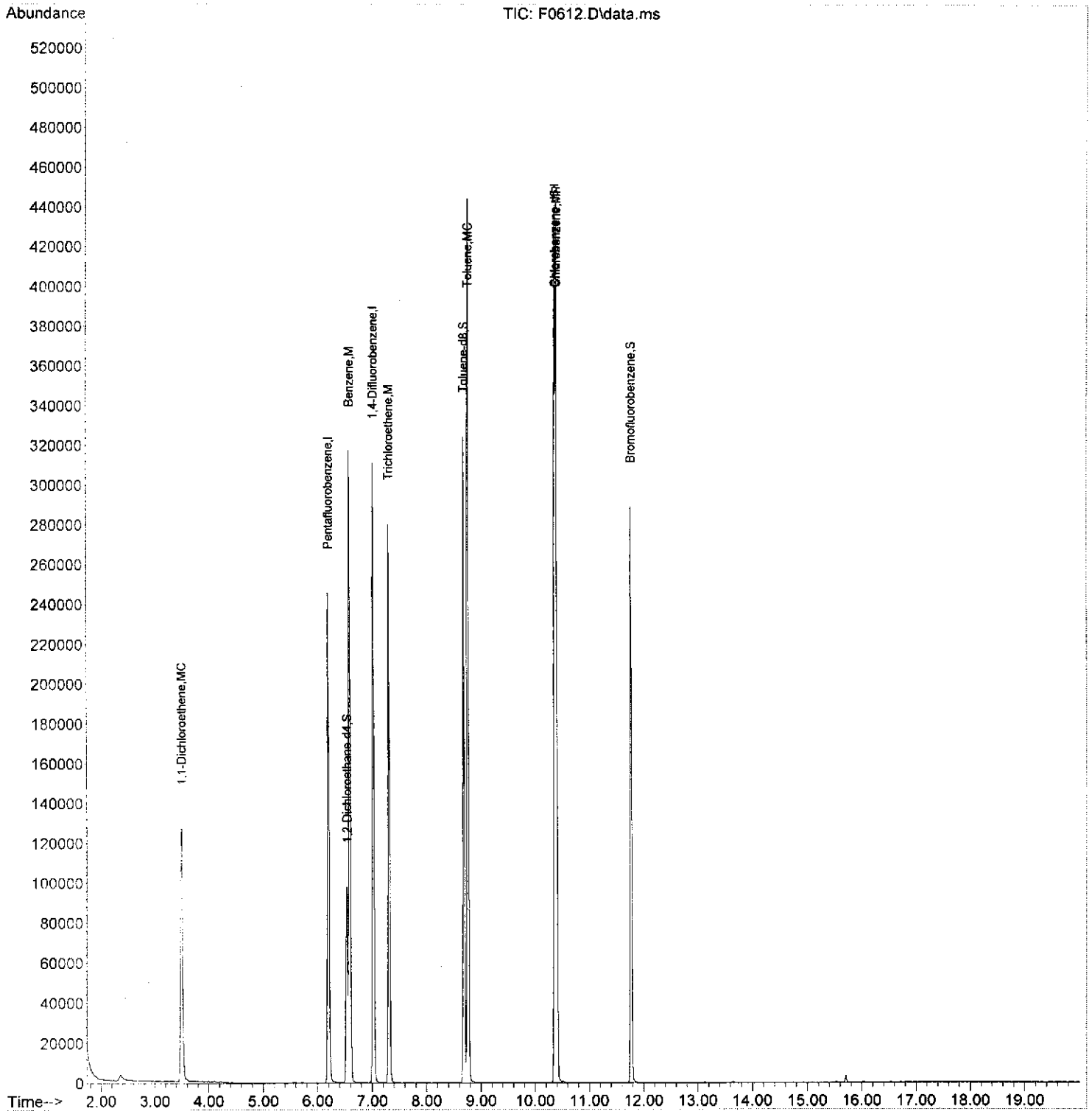
(#) = qualifier out of range (m) = manual integration (+) = signals summed

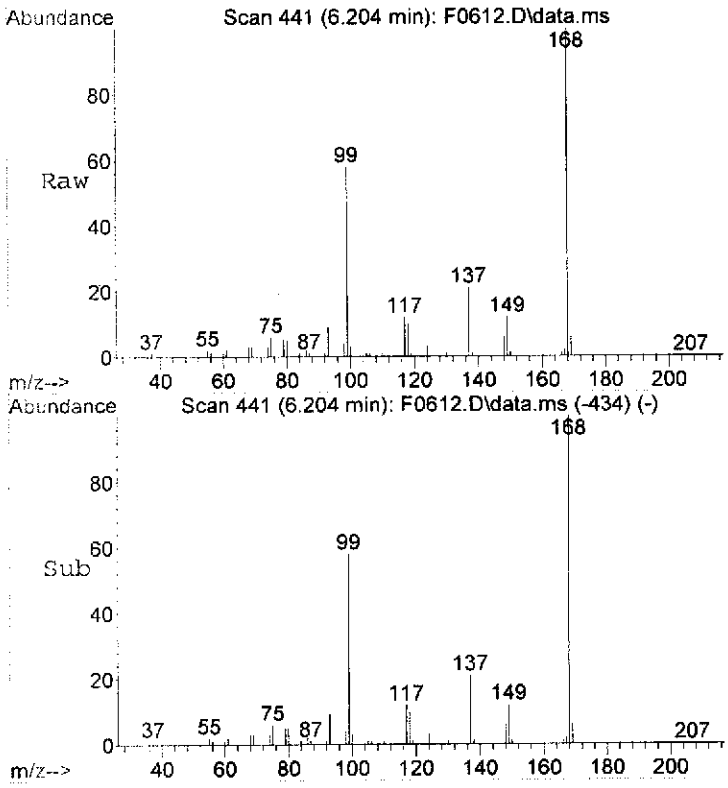
0143

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\07-13-10\
Data File : F0612.D
Acq On : 13 Jul 2010 14:43
Operator : XING
Sample : MSD,06728-005MSD,A,5mL,100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 14 10:02:24 2010
Quant Method : C:\MSDCHEM\1\METHODS\FAM0702.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Tue Jul 06 13:53:33 2010
Response via : Initial Calibration

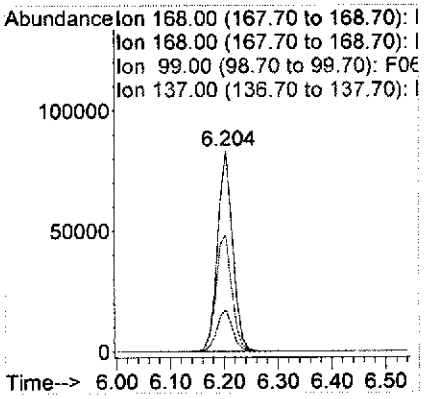


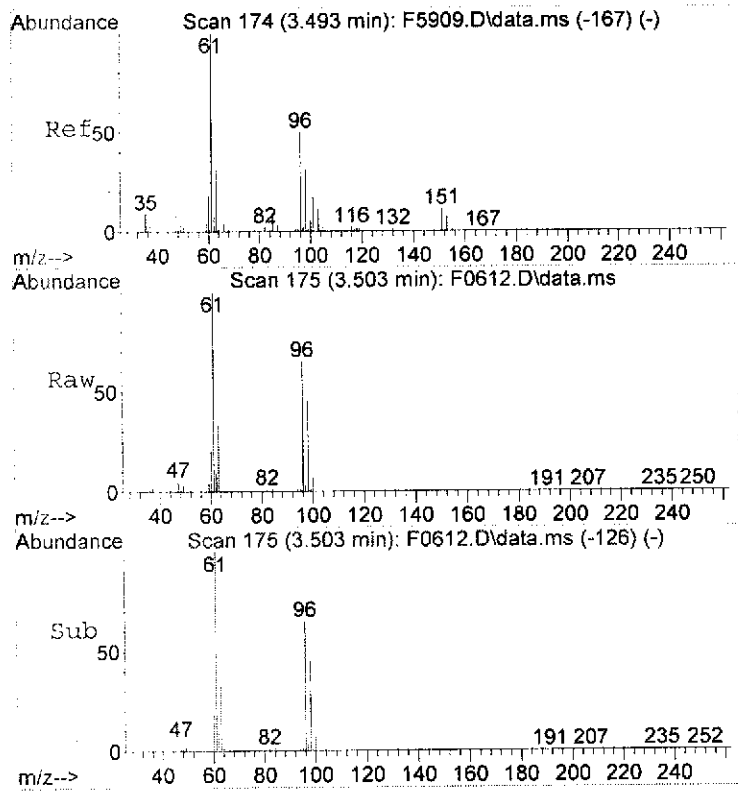


#1
Pentafluorobenzene
Concen: 50.00 UG
RT: 6.204 min Scan# 441
Delta R.T. 0.000 min
Lab File: F0612.D
Acq: 13 Jul 2010 14:43

Tgt Ion:168 Resp: 160999

Ion	Ratio	Lower	Upper
168	100		
168	100.0	80.0	120.0
99	0.0	0.0	0.0
137	0.0	0.0	0.0

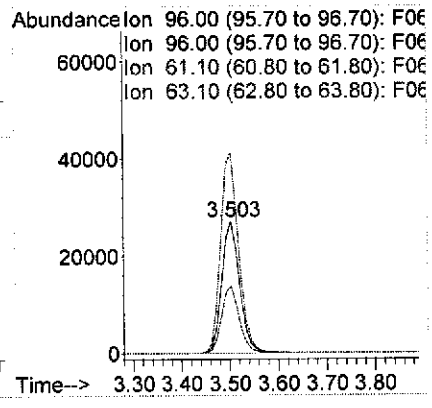


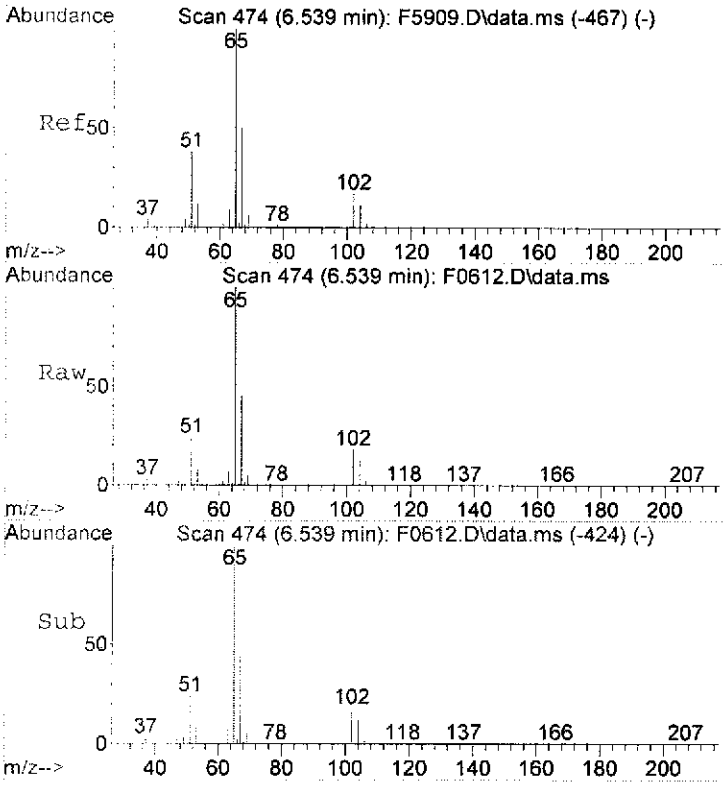


#9
1,1-Dichloroethene
Concen: 64.79 UG
RT: 3.503 min Scan# 175
Delta R.T. 0.000 min
Lab File: F0612.D
Acq: 13 Jul 2010 14:43

Tgt Ion: 96 Resp: 69137

Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
61	0.0	0.0	0.0
63	0.0	0.0	0.0

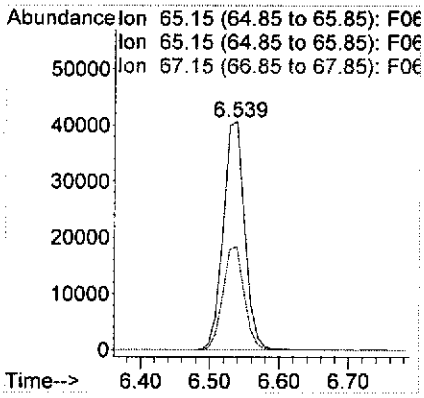


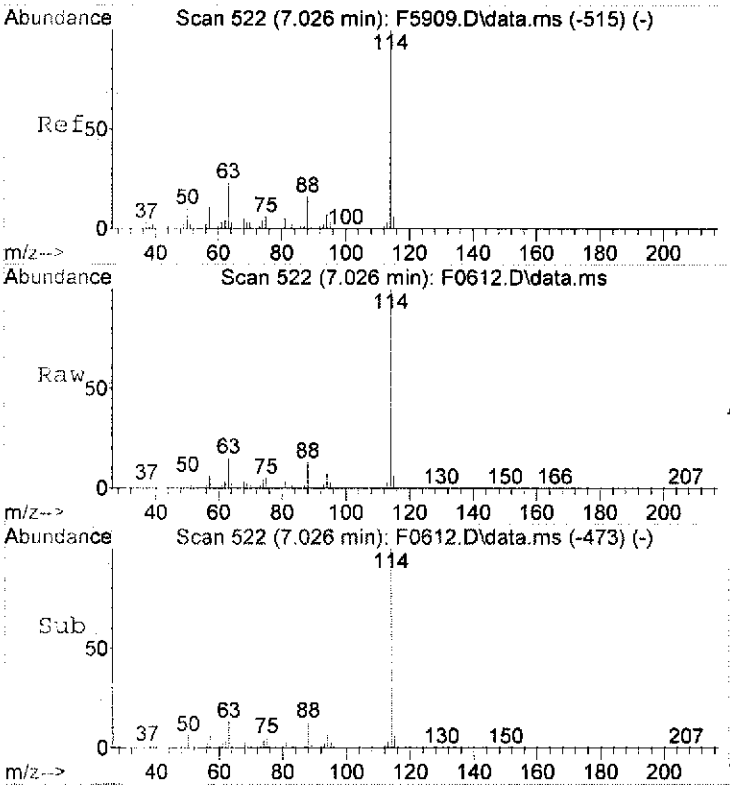


#30
1,2-Dichloroethane-d4
Concen: 56.92 UG
RT: 6.539 min Scan# 474
Delta R.T. 0.010 min
Lab File: F0612.D
Acq: 13 Jul 2010 14:43

Tgt Ion: 65 Resp: 87000

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
67	44.9	41.3	61.9

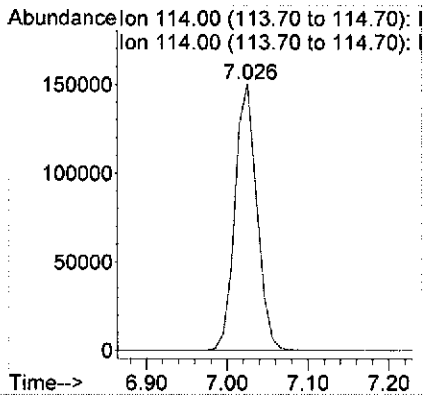


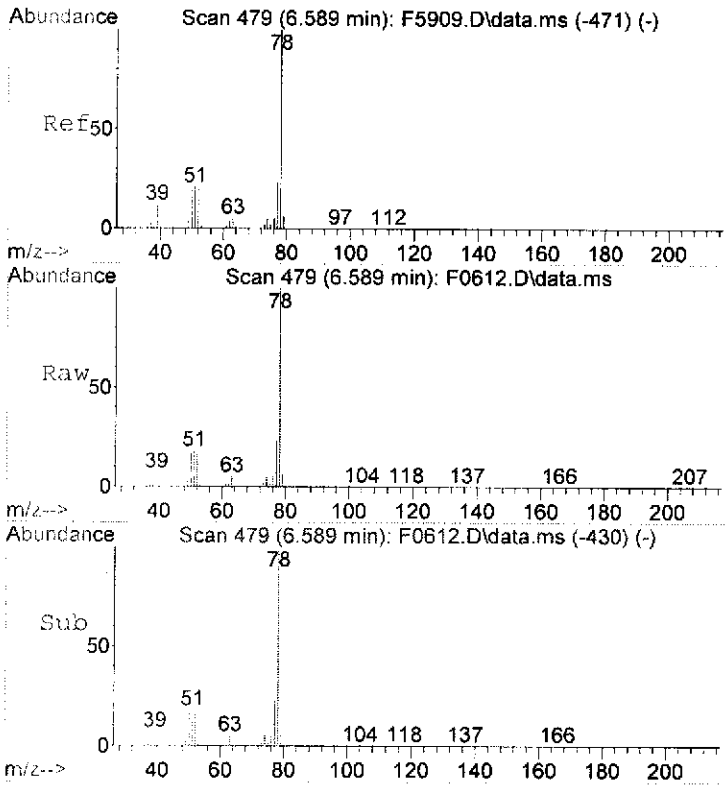


#31
1,4-Difluorobenzene
Concen: 50.00 UG
RT: 7.026 min Scan# 522
Delta R.T. 0.000 min
Lab File: F0612.D
Acq: 13 Jul 2010 14:43

Tgt Ion:114 Resp: 282662

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0

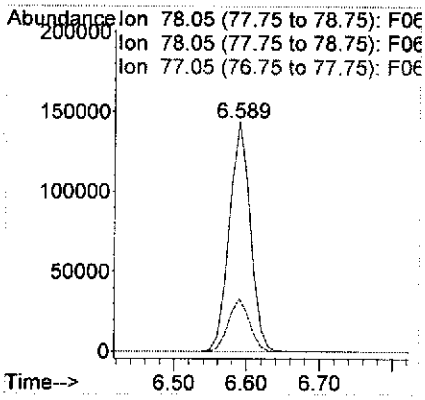


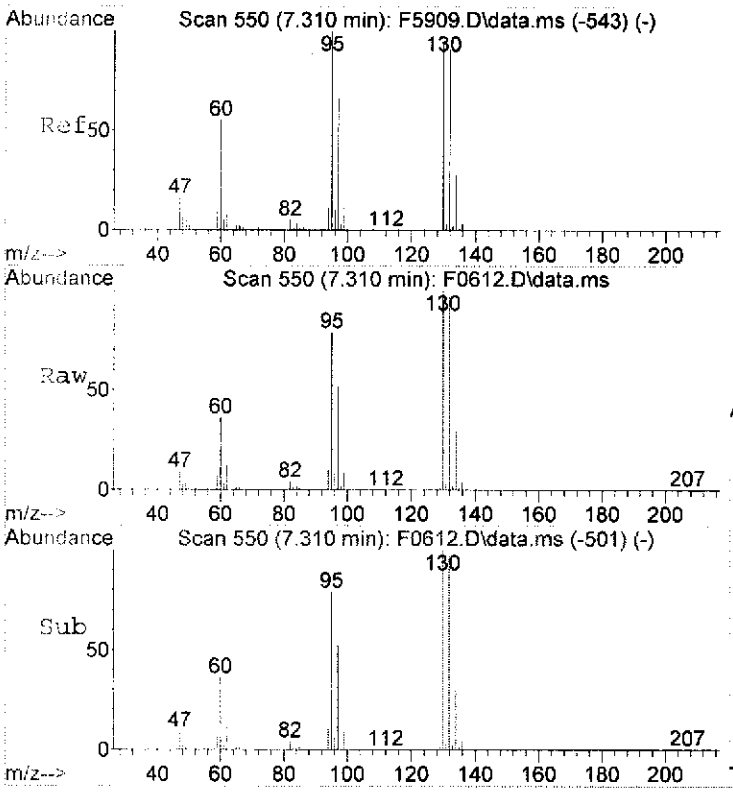


#32
Benzene
Concen: 51.86 UG
RT: 6.589 min Scan# 479
Delta R.T. 0.000 min
Lab File: F0612.D
Acq: 13 Jul 2010 14:43

Tgt Ion: 78 Resp: 290639

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	23.2	18.6	27.8

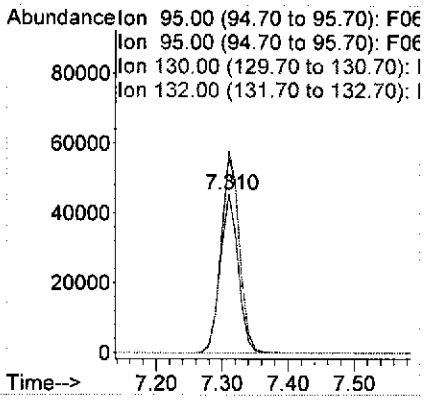


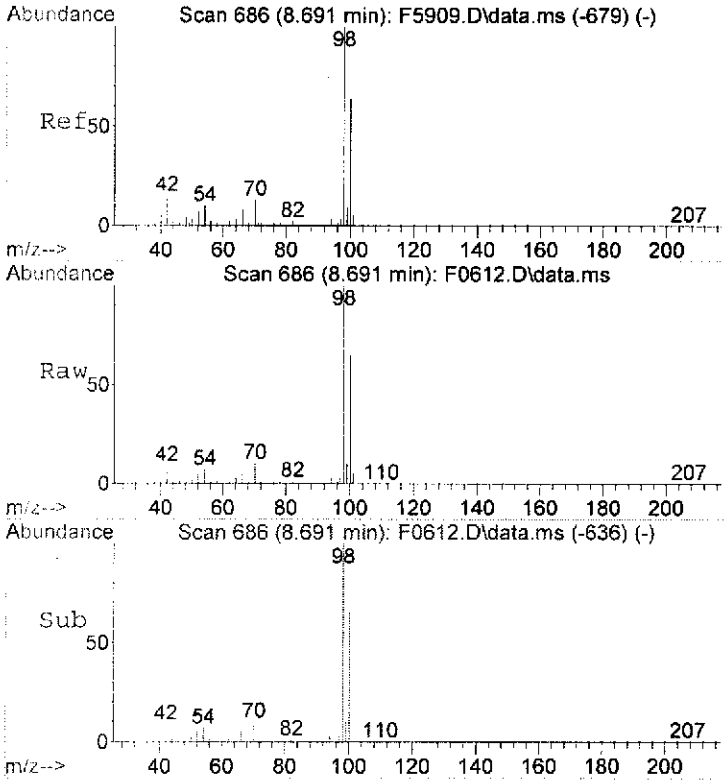


#33
Trichloroethene
Concen: 52.50 UG
RT: 7.310 min Scan# 550
Delta R.T. 0.000 min
Lab File: F0612.D
Acq: 13 Jul 2010 14:43

Tgt Ion: 95 Resp: 86545

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
130	129.3	80.4	120.6#
132	125.7	74.2	111.2#

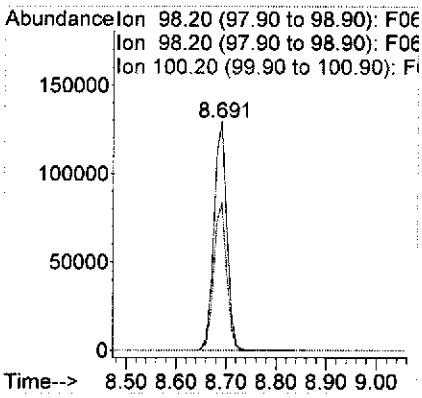


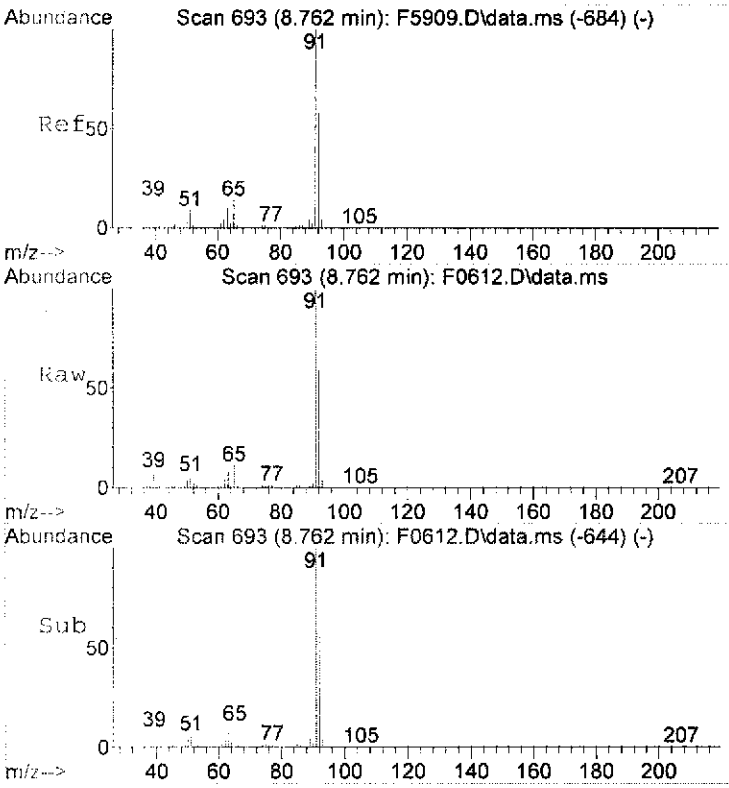


#41
Toluene-d8
Concen: 46.85 UG
RT: 8.691 min Scan# 686
Delta R.T. 0.010 min
Lab File: F0612.D
Acq: 13 Jul 2010 14:43

Tgt Ion: 98 Resp: 231158

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	64.1	51.2	76.8

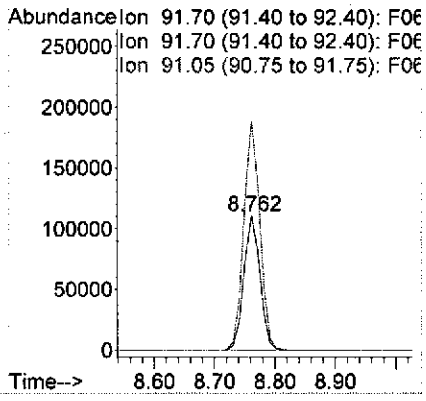


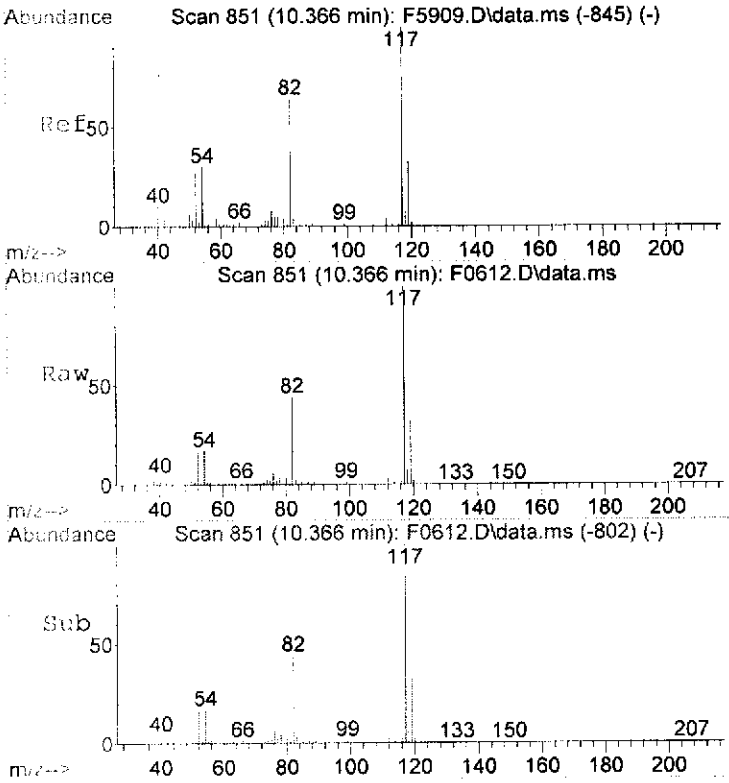


#42
Toluene
Concen: 52.00 UG
RT: 8.762 min Scan# 693
Delta R.T. 0.000 min
Lab File: F0612.D
Acq: 13 Jul 2010 14:43

Tgt Ion: 92 Resp: 204062

Ion	Ratio	Lower	Upper
92	100		
92	100.0	80.0	120.0
91	169.7	133.4	200.0

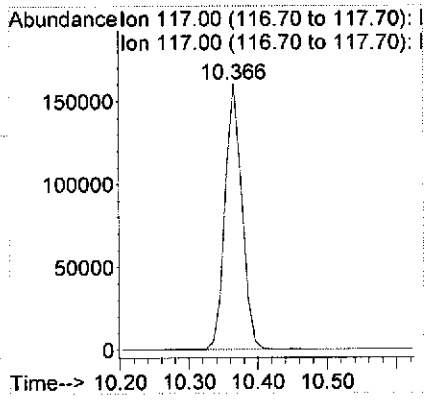


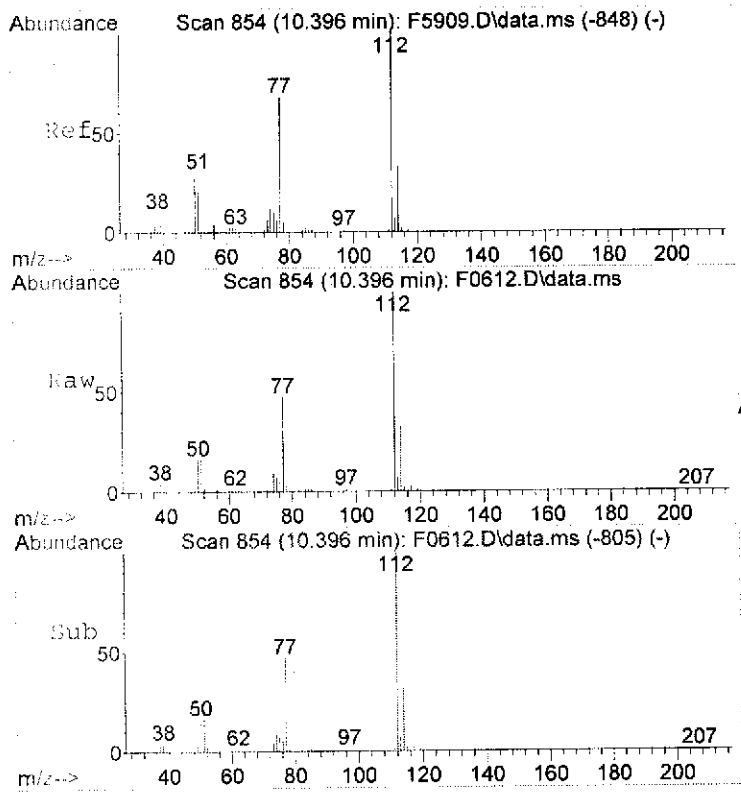


#50
Chlorobenzene-d5
Concen: 50.00 UG
RT: 10.366 min Scan# 851
Delta R.T. 0.000 min
Lab File: F0612.D
Acq: 13 Jul 2010 14:43

Tgt Ion:117 Resp: 272665

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0

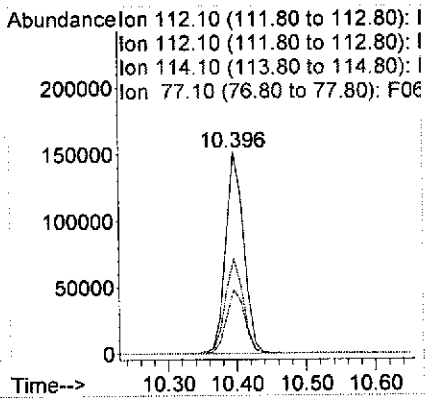


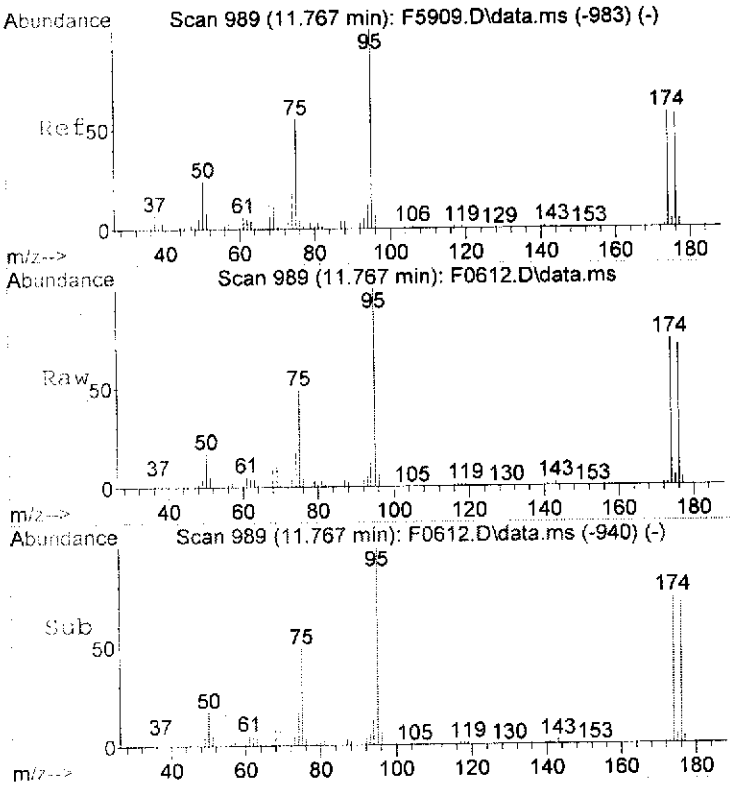


#51
Chlorobenzene
Concen: 50.93 UG
RT: 10.396 min Scan# 854
Delta R.T. 0.000 min
Lab File: F0612.D
Acq: 13 Jul 2010 14:43

Tgt Ion:112 Resp: 273855

Ion	Ratio	Lower	Upper
112	100		
112	100.0	80.0	120.0
114	32.1	25.8	38.8
77	0.0	0.0	0.0

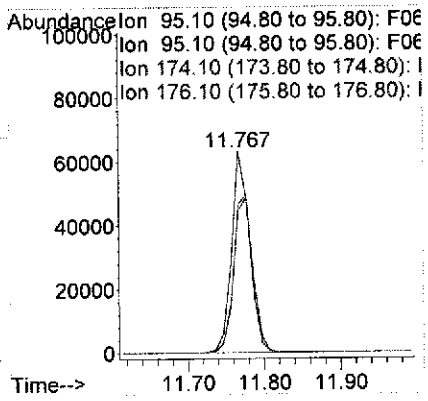




#59
Bromofluorobenzene
Concen: 45.98 UG
RT: 11.767 min Scan# 989
Delta R.T. 0.000 min
Lab File: F0612.D
Acq: 13 Jul 2010 14:43

Tgt Ion: 95 Resp: 102132

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	85.5	62.2	93.4
176	82.0	60.5	90.7



Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER INFO	
Company:	ARCADIS - U.S. Inc.
Address:	1 International Blvd.
	Mahwah, NJ 07495
Telephone #:	201.684.1410
Fax #:	201.684.1420
EMAIL Address:	
Project Manager:	E. Rodriguez
Sampler:	Villyens, D. Kirschner
Project Name:	Kings Electronics
Project Location (State):	Tuckahoe, NJ
Bottle Order #:	B02402
Quote #:	

REPORTING INFO	
REPORT TO:	ARCADIS - U.S., Inc.
Address:	1 International Blvd.
	Mahwah, NJ 07495
Attn:	E. Rodriguez
FAX #	201.684.1420
INVOICE TO:	ARCADIS - U.S., Inc.
Address:	1 International Blvd
	Mahwah, NJ 07495
Attn:	E. Rodriguez
PO #	NJ000423.0005.00001

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE.

PHC- MUST CHOOSE

DRO (3-5 day TAT) QAM025 (5 day TAT min.)

DRO (8015B) - used for: Fuel Oil #2/Home Heating Oil #1 /#2.
QAM-025 (OQA-QAM025) - used for: all other fuel oil and unknown contaminants.

Verbal/Fax
24 hr* 48 hr* 72 hr* 1 wk* (2 wk/Std)

Hard Copy (5 wk/Std)
Other *call for price

Results needed by:

Rush TAT Charge **
24 hr - 100%...
48 hr - 75%....
72 hr - 50%....
96 hr - 35%....
5 day - 25%....
6-9 day 10%

Report Format	EDD's
Results Only	SRP. dbf format
Reduced	lab approved custom EDD
Regulatory - 15% Surcharge applies	
Other (describe)	NO EDD/CD REQ'D

Sample Matrix

DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

SAMPLE INFORMATION

ANALYTICAL PARAMETERS

Cooler Temp _____ °C

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	VOC CIS 1,2 DCE	# BOTTLES & PRESERVATIVES: HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
FB(070810)		7/8/10	0900	FB	2		2	2							
TB(070810)		7/8/10	—	TB	1		1	1							
PTW-2		7/8/10	1412	AQ	2		2	2							
MW-9SR		7/8/10	1411	AQ	2		2	2							
MW-9D		7/8/10	1207	AQ	2		2	2							
MW-6S		7/8/10	1157	AQ	2		2	2							
MW-13R		7/8/10	1032	AQ	2		2	2							
DUP(070810)		7/8/10	—	AQ	2		2	2							
GP-104R		7/9/10	0918	AQ	2		2	2							
GP-103R		7/9/10	0917	AQ	2		2	2							

Known Hazard: Yes or (No) Describe:

Conc. Expected: (Low) Med High

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

	Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:		7/9/10	1510	Received by:	7/9/10	1510
Relinquished by:		7/9/10	1720	Received by:	7/9/10	1720
Relinquished by:				Received by:		
Relinquished by:				Received by:		
Relinquished by:				Received by:		

Comments:
NOTE: CATEGORY B DELIVERABLE

Lab Case # 6728

PAGE: 1 of 2

1 cooler

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Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER INFO	
Company:	Arcadis - U.S., Inc.
Address:	1 International Blvd. Mahwah, NJ 07495
Telephone #:	201.684.1410
Fax #:	201.684.1420
EMAIL Address:	
Project Manager:	E. Rodriguez
Sampler:	V. Myers, D. Kirschner
Project Name:	Kings Electronics
Project Location (State):	Tuckahoe, NY
Bottle Order #:	B02402
Quote #:	

REPORTING INFO	
REPORT TO:	Arcadis - U.S., Inc.
Address:	1 International Blvd. Mahwah, NJ 07495
Attn:	E. Rodriguez
FAX #	201-684-1420
INVOICE TO:	Arcadis - U.S., Inc.
Address:	1 International Blvd. Mahwah, NJ 07495
Attn:	E. Rodriguez
PO #	

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE.

PHC- MUST CHOOSE

DRO (3-5 day TAT) QAM025 (5 day TAT min.)

DRO (8015B) - used for: Fuel Oil #2/Home Heating Oil #1 /#2.
QAM-025 (OQA-QAM025) - used for: all other fuel oil and unknown contaminants.

Verbal/Fax
24 hr* 48 hr* 72 hr* 1 wk* 2 wk/Std

Hard Copy
Other *call for price 1 wk/Std

Results needed by:

Rush TAT Charge **
24 hr - 100%...
48 hr - 75%....
72 hr - 50%....
96 hr - 35%....
5 day - 25%....
6-9 day 10%

Report Format
Results Only
Reduced
Regulatory - 15% Surcharge applies
Other (describe)

EDD's
SRP. dbf format
lab approved custom EDD
NO EDD/CD REQ'D

SAMPLE INFORMATION

Sample Matrix
DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

ANALYTICAL PARAMETERS

Cooler Temp _____°C

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	VOC C15,1,2 DCE	# BOTTLES & PRESERVATIVES: HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
FB (070910)		7/9/10	8:30	FB	2		2	2							

Known Hazard: Yes or (No) Describe:
Conc. Expected: (Low) Med High

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	7/9/10	1510	Received by:	7/9/10	1510
Relinquished by:	7/9/10	1720	Received by:	7/9/10	1720
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:
NOTE: CATEGORY B DELIVERABLE

Lab Case # 6728

PAGE: 2 of 2

1 cooler

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

PROJECT INFORMATION

E10-06728

Case No. E10-06728 **Project** KINGS ELECTRONICS - VENDOR #1168636

Customer	Arcadis Geraghty & Miller	**P.O. #**	NJ000427.0005.000(
Contact	Eric Rodriguez	**Received**	7/9/2010 17:20
EMail	eric.rodriguez@arcadis-us.com ☐ EMail EDDs	**Verbal Due**	7/26/2010
Phone	(201) 684-1410 **Fax** 1(201) 684-1420	**Report Due**	8/2/2010

Report To

465 New Karner Rd
Albany, NY 12205

Attn: Eric Rodriguez

Bill To

630 Plaza Drive
Suite 600
Highlands Ranch, CO 80129

Attn: Eric Rodriguez

Report Format Regulatory

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
06728-001	FB(070810)	n/a	7/8/2010@09:00	Aqueous	ug/L	2
06728-002	TB(070810)	n/a	7/8/2010	Aqueous	ug/L	1
06728-003	PTW-2	n/a	7/8/2010@14:12	Aqueous	ug/L	2
06728-004	MW-9S	n/a	7/8/2010@14:11	Aqueous	ug/L	2
06728-005	MW-9D	n/a	7/8/2010@12:07	Aqueous	ug/L	2
06728-006	MW-6S	n/a	7/8/2010@11:57	Aqueous	ug/L	2
06728-007	MW-13R	n/a	7/8/2010@10:32	Aqueous	ug/L	2
06728-008	DUP(070810)	n/a	7/8/2010	Aqueous	ug/L	2
06728-009	GP-104R	n/a	7/9/2010@09:18	Aqueous	ug/L	2
06728-010	GP-103R	n/a	7/9/2010@09:17	Aqueous	ug/L	2
06728-011	FB(070910)	n/a	7/9/2010@08:30	Aqueous	ug/L	2

Sample #	Tests	Status	QA Method
001	PP VOA + Cis 1,2-DCE	In Process	8260B
002	PP VOA + Cis 1,2-DCE	In Process	8260B
003	PP VOA + Cis 1,2-DCE	In Process	8260B
004	PP VOA + Cis 1,2-DCE	In Process	8260B
005	PP VOA + Cis 1,2-DCE	In Process	8260B
006	PP VOA + Cis 1,2-DCE	In Process	8260B
007	PP VOA + Cis 1,2-DCE	In Process	8260B
008	PP VOA + Cis 1,2-DCE	In Process	8260B
009	PP VOA + Cis 1,2-DCE	In Process	8260B
010	PP VOA + Cis 1,2-DCE	In Process	8260B
011	PP VOA + Cis 1,2-DCE	In Process	8260B

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PROJECT INFORMATION

Case No. E10-06728 **Project** KINGS ELECTRONICS - VENDOR #1168636

07/13/2010 09:20 by katie - NOTE 2

As per Eric Rodriguez, please change the MW-9SR sample ID from MW-9SR to MW-9S.

Also, please change the report mailing address to:

Eric Rodriguez
ARCADIS
465 New Karner Road
Albany, NY 12205

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 10** **06728** CLIENT: Arcadis

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓ = YES/NA
✗ = NO

✓	Bottles Intact	
✓	no-Missing Bottles	
✓	no-Extra Bottles	
✓	Sufficient Sample Volume	
✓	no-headspace/bubbles in VOs	
✓	Labels intact/correct	
✓	pH Check (exclude VOs)[1]	
✓	Correct bottles/preservative	
✓	Sufficient Holding/Prep Time[1]	
	Sample to be Subcontracted	
✓	**Chain of Custody is Clear**	

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [signature] DATE 7/9/10

CORRECTIVE ACTION REQUIRED: **YES** (SEE BELOW) **NO**

If COC is **NOT** clear, ***STOP*** until you get client to authorize/clarify work.

CLIENT NOTIFIED: YES Date/ Time: NO

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL KW DATE 7/12/10

Laboratory Custody Chronicle

IAL Case No.

E10-06728

Client Arcadis Geraghty & Miller

Project KINGS ELECTRONICS - VENDOR #1168636

Received On 7/ 9/2010@17:20

Department: Volatiles			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
PP VOA + Cis 1,2-DCE	06728-001	Aqueous	n/a	n/a	7/13/10	Xing
"	-002	"	n/a	n/a	7/13/10	Xing
"	-003	"	n/a	n/a	7/13/10	Xing
"	-004	"	n/a	n/a	7/13/10	Xing
"	-005	"	n/a	n/a	7/13/10	Xing
"	-006	"	n/a	n/a	7/13/10	Xing
"	-007	"	n/a	n/a	7/13/10	Xing
"	-008	"	n/a	n/a	7/13/10	Xing
"	-009	"	n/a	n/a	7/13/10	Xing
"	-010	"	n/a	n/a	7/13/10	Xing
"	-011	"	n/a	n/a	7/13/10	Xing

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ARCADIS

Appendix C

Data Usability Summary Report

EcoChem, INC.
Environmental Data Quality

DATA USABILITY SUMMARY REPORT

KINGS/STORAGE DELUXE IAQ INVESTIGATION

JULY 8, 2010 Sampling Event

Prepared for:

Environmental Management, LTD.
On the Lake @ 41 Franck Road
Stony Point, New York 10980

Prepared by:

EcoChem, Inc.
710 Second Avenue, Suite 660
Seattle, Washington 98104

EcoChem Project: C23902-1

August 31, 2010

Approved for Release:

Christina Mott
Senior Project Chemist
EcoChem, Inc.

DATA USABILITY SUMMARY REPORT
KINGS/STORAGE DELUXE IAQ INVESTIGATION

This report documents the review of analytical data from the analyses of eight aqueous samples, one trip blank, two field blanks and the associated laboratory quality control (QC) samples. A full (USEPA Level IV) validation was performed. Samples were analyzed by Integrated Analytical Laboratories, LLC, Randolph, New Jersey. **Table 1** provides a cross reference of sample identifiers and collection date.

TABLE 1: Sample Index

Field ID	Lab ID	Date Collected	SDG
FB(070810)	06728-001	7/8/2010	E10-06728
TB(070810)	06728-002	7/8/2010	E10-06728
PTW-2	06728-003	7/8/2010	E10-06728
MW-9S	06728-004	7/8/2010	E10-06728
MW-9D	06728-005	7/8/2010	E10-06728
MW-6S	06728-006	7/8/2010	E10-06728
MW-13R	06728-007	7/8/2010	E10-06728
DUP(070810)	06728-008	7/8/2010	E10-06728
GP-104R	06728-009	7/9/2010	E10-06728
GP-103R	06728-010	7/9/2010	E10-06728
FB(070910)	06728-011	7/9/2010	E10-06728

BASIS OF DATA EVALUATION

The data were validated using guidance and QC criteria documented in *USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-24, Revision 2, August 2008: Validating Volatile Organic Compounds –by Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B* and the analytical method, *SW-846 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, Method 8260B Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Revision 2, December 1996, New York State Department of Environmental Conservation, DEC Program Policy DER-10, Technical Guidance for Site Investigation and Remediation.*

The technical findings and qualifiers assigned are organized by method and immediately follow this introduction. Data Validation Qualifier Code definitions are provided as **Appendix A**. The sample result summary forms are included as **Appendix B.** The data validation worksheets are included as **Appendix C.**

PROCESS FOR DATA VALIDATION

A full data validation equivalent to an USEPA CLP "QA Level IV" level of effort was performed. **Table 2** lists the quality control (QC) elements that were reviewed.

TABLE 2: Full (USEPA Level IV) Quality Control Elements

Quality Control Elements
➢ Data Completeness
➢ Cover letter, Narrative, and Data Reporting Forms
➢ Analytical holding times
➢ Chain of custody and sample handling/preservation
➢ Instrument performance: GC/MS tune (from summary forms)
➢ Method blank contamination (from summary forms)
➢ Initial and continuing calibration (from summary forms)
➢ Field and Trip blank contamination (from sample result summaries)
➢ Analytical accuracy: surrogate %R for organic analyses, matrix spike sample %R, and laboratory control sample %R (from summary forms)
➢ Analytical precision: matrix spike duplicate sample RPD (from summary forms)
➢ Field precision: field duplicate RPD (if analyzed)
➢ Internal standard areas (from summary forms)
➢ Reported detection limits (from sample result summaries)
➢ Compound identification evaluated from raw data
➢ Compound quantitation, transcription and calculation checks performed at a frequency of 10 percent from raw data. If an error was noted, 100 percent of the calculations and transcriptions for that data package were verified.

Laboratory QC samples were used to assess the effectiveness of extraction/preparation procedures and to evaluate laboratory method performance, potential contamination during the analytical process, and sample matrix effects. Quality control samples included method blanks, laboratory control samples (LCS), matrix spike (MS) samples, and laboratory duplicate samples. Surrogates were added to each sample analyzed for organic compounds to further assess the effects of sample matrix on accuracy.

During validation, the results of the QC samples and instrument calibration and tuning are compared to the measurement quality objectives (MQO) initially established during project planning. Validation also provides a quantitative and qualitative evaluation of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall data usability.

Data were qualified when associated QC sample and instrument performance results were outside the laboratory QC sample control limits. For the Kings/Storage Deluxe IAQ Investigation samples, no data were qualified for any reason.

TECHNICAL SUMMARY

Overall, the data are acceptable for the intended purposes. No data were rejected, or qualified for any reason. The data meet all the criteria for the parameters tested.

All data, as reported, are acceptable for use.

DATA USABILITY SUMMARY REPORT
Kings-Storage Deluxe IAQ Investigation
Volatile Organic Compounds – Method 8260B

This report documents the review of analytical data from the analyses of aqueous samples and the associated laboratory and field quality control (QC) samples. Integrated Analytical Laboratories, LLC, Randolph, New Jersey, analyzed the samples.

SDG	Number of Samples	Validation Level
E10-06728	8 Aqueous, 1 Trip Blank & 2 Field Blanks	Full

I. DATA PACKAGE COMPLETENESS

The laboratory submitted all deliverables as required by ASP Category B. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

II. TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are summarized in the following table. All requirements were met for each QC element, unless noted below.

	Holding Times and Sample Preservation		Laboratory Control Samples (LCS)
	GC/MS Instrument Performance Check	1	Field Replicates
1	Initial Calibration (ICAL)		Internal Standards
	Continuing Calibration (CCAL)		Target Analyte List
	Blanks (Method)		Reporting Limits
1	Blanks (Field and Trip)		Compound Identification
	Surrogate Compounds	1	Calculation Verification (Full validation only)

[1] ***Quality control results are discussed below, but no data were qualified.***
[2] ***Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.***

Initial Calibration

Seven standards were used for the initial calibration of the GC/MS instrument. Raw data for calibration standard STD-50PPB were not included in the raw data package supplied by the laboratory. Raw data were supplied for all other calibration points and the initial calibration was confirmed by recalculation to be within the method acceptance criteria. Based on the review of the initial calibration, these results were determined to be acceptable without qualification

Blanks (Field and Trip)

One trip blank was submitted with the samples in this data set. No target analytes were detected in Sample TB (070810).

Two field blank samples were submitted with the samples in this data set. No target analytes were detected in Sample FB (070810) or Sample FB (070910).

Field Replicates

The following acceptance criteria were applied for field replicates: the relative percent difference (RPD) control limit is 35% for results greater than five times the reporting limit (RL). For results less than five times the RL, the difference between the sample and replicate must be less than the RL. Samples MW-6S and DUP (070810) were submitted as field replicates. Precision was acceptable.

Calculation Verification

Calculation verifications were performed. No calculation errors were found.

IV. OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. Accuracy was acceptable, as demonstrated by the surrogate, LCS and MS/MSD percent recovery values. Precision was also acceptable as demonstrated by the matrix spike duplicate and field duplicate relative percent difference values.

All data, as reported, are acceptable for use.

EcoChem, INC.
Environmental Data Quality

APPENDIX A
DATA QUALIFIER DEFINITIONS REASON CODES AND CRITERIA TABLES

DATA VALIDATION QUALIFIER CODES
Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.

DATA QUALIFIER REASON CODES

1	Holding Time/Sample Preservation
2	Chromatographic pattern in sample does not match pattern of calibration standard.
3	Compound Confirmation
4	Tentatively Identified Compound (TIC) (associated with NJ only)
5A	Calibration (initial)
5B	Calibration (continuing)
6	Field Blank Contamination
7	Lab Blank Contamination (e.g., method blank, instrument, etc.)
8	Matrix Spike(MS & MSD) Recoveries
9	Precision (all replicates)
10	Laboratory Control Sample Recoveries
11	A more appropriate result is reported (associated with "R" and "DNR" only)
12	Reference Material
13	Surrogate Spike Recoveries (a.k.a., labeled compounds & recovery standards)
14	Other (define in validation report)
15	GFAA Post Digestion Spike Recoveries
16	ICP Serial Dilution % Difference
17	ICP Interference Check Standard Recovery
18	Trip Blank Contamination
19	Internal Standard Performance (e.g., area, retention time, recovery)
20	Linear Range Exceeded
21	Potential False Positives
22	Elevated Detection Limit Due to Interference (i.e., laboratory, chemical and/or matrix)

EcoChem Validation Guidelines for Volatile Analysis by GC/MS (Based on Organic NFG 1999)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
Cooler Temperature	4°C±2°C Water: HCl to pH < 2	J(+)/UJ(-) if greater than 6 deg. C **(EcoChem PJ)**	1
Hold Time	Waters: 14 days preserved 7 Days: unpreserved (for aromatics) Solids: 14 Days	J(+)/UJ(-) if hold times exceeded If exceeded by > 3X HT: J(+)/R(-) **(EcoChem PJ)**	1
Tuning	BFB Beginning of each 12 hour period Method acceptance criteria	R(+/-) all analytes in all samples associated with the tune	5A
Initial Calibration (Minimum 5 stds.)	RRF > 0.05	**(EcoChem PJ, see TM-06)** If MDL= reporting limit: J(+)/R(-) if RRF < 0.05 If reporting limit > MDL: note in worksheet if RRF <0.05	5A
	%RSD < 30%	**(EcoChem PJ, see TM-06)** J(+) if %RSD > 30%	5A
Continuing Calibration (Prior to each 12 hr. shift)	RRF > 0.05	**(EcoChem PJ, see TM-06)** If MDL= reporting limit: J(+)/R(-) if RRF < 0.05 If reporting limit > MDL: note in worksheet if RRF <0.05	5B
	%D <25%	**(EcoChem PJ, see TM-06)** If > +/-90%: J+/R- If -90% to -26%: J+ (high bias) If 26% to 90%: J+/UJ- (low bias)	5B
Method Blank	One per matrix per batch No results > CRQL	U(+) if sample (+) result is less than CRQL and less than appropriate 5X or 10X rule (raise sample value to CRQL)	7
		U(+) if sample (+) result is greater than or equal to CRQL and less than appropriate 5X and 10X rule (at reported sample value)	7
	No TICs present	R(+) TICs using 10X rule	7
Storage Blank	One per SDG <CRQL	U(+) the specific analyte(s) results in all assoc.samples using the 5x or 10x rule	7
Trip Blank	Frequency as per project QAPP	Same as method blank for positive results remaining in trip blank after method blank qualifiers are assigned	18
Field Blanks (if required in QAPP)	No results > CRQL	Apply 5X/10X rule; U(+) < action level	6

EcoChem Validation Guidelines for Volatile Analysis by GC/MS (Based on Organic NFG 1999)

VALIDATION QC ELEMENT	ACCEPTANCE CRITERIA	ACTION	REASON CODE
MS/MSD (recovery)	One per matrix per batch Use method acceptance criteria	Qualify parent only unless other QC indicates systematic problems: J(+) if both %R > UCL J(+)/UJ(-) if both %R < LCL J(+)/R(-) if both %R < 10% **PJ if only one %R outlier**	8
MS/MSD (RPD)	One per matrix per batch Use method acceptance criteria	J(+) in parent sample if RPD > CL	9
LCS *low conc. H2O VOA*	One per lab batch Within method control limits	J(+) assoc. cmpd if > UCL J(+)/R(-) assoc. cmpd if < LCL J(+)/R(-) all cmpds if half are < LCL	10
LCS *regular VOA (H2O & solid)*	One per lab batch Lab or method control limits	J(+) if %R > UCL J(+)/UJ(-) if %R <LCL J(+)/R(-) if %R < 10% **(EcoChem PJ)**	10
LCS/LCSD *(if required)*	One set per matrix and batch of 20 samples RPD < 35%	J(+)/UJ(-) assoc. cmpd. in all samples	9
Surrogates	Added to all samples Within method control limits	J(+) if %R >UCL J(+)/UJ(-) if %R <LCL but >10% **(see PJ[1])** J(+)/R(-) if <10%	13
Internal Standard (IS)	Added to all samples Acceptable Range: IS area 50% to 200% of CCAL area RT within 30 seconds of CC RT	J(+) if > 200% J(+)/UJ(-) if < 50% J(+)/R(-) if < 25% RT>30 seconds, **narrate and Notify PM**	19
Field Duplicates	**Use QAPP limits. If no QAPP:** Solids: RPD <50% OR absolute diff. < 2X RL (for results < 5X RL) Aqueous: RPD <35% OR absolute diff. < 1X RL (if either result < 5X RL)	Narrate and qualify if required by project **(EcoChem PJ)**	9
TICs	Major ions (>10%) in reference must be present in sample; intensities agree within 20%; check identification	NJ the TIC unless: R(+) common laboratory contaminants **See Technical Director for ID issues**	4
Quantitation/ Identification	RRT within 0.06 of standard RRT Ion relative intensity within 20% of standard All ions in std. at > 10% intensity must be present in sample	**See Technical Director if outliers**	14 21 (false +)

PJ[1] No action if there are 4+ surrogates and only 1 outlier.

EcoChem, INC.
Environmental Data Quality

APPENDIX B
SAMPLE RESULT SUMMARY FORMS

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-001
Client ID: FB(070810)
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0613.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 0

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INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-002
Client ID: TB(070810)
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0614.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 0

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INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-003
Client ID: PTW-2
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0615.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	0.846	J	1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	1.39		1.00	0.350
cis-1,2-Dichloroethene	2.67		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	0.691	J	1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	6.22		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	0.290	J	1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210
Total Target Compounds:	12.1	J		

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INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-004
Client ID: MW-9S
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0616.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	1.17		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	0.626	J	1.00	0.330
1,1-Dichloroethane	1.11		1.00	0.350
cis-1,2-Dichloroethene	0.360	J	1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210
Total Target Compounds:	3.27	J		

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INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-005
Client ID: MW-9D
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0617.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 0

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INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-006
Client ID: MW-6S
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0618.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	2.51		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	16.3		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	2.46		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 21.3

Chrott 8.31.10

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-007
Client ID: MW-13R
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0619.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	0.636	J	1.00	0.350
cis-1,2-Dichloroethene	0.433	J	1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	0.969	J	1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210
Total Target Compounds:	2.04	J		

Chrott 8-31-10

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-008
Client ID: DUP(070810)
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0620.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	2.93		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	19.0		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	2.91		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 24.8

Chuett 8.31.10

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-009
Client ID: GP-104R
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0621.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	2.41		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	1.84		1.00	0.350
cis-1,2-Dichloroethene	2.75		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	0.533	J	1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210
Total Target Compounds:	7.53	J		

Chatt 8.31.10

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-010
Client ID: GP-103R
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0622.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	10.9		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	1.74		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 12.6

Chott 8.31.10

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 06728-011
Client ID: FB(070910)
Date Received: 07/09/2010
Date Analyzed: 07/13/2010
Data file: F0623.D

GC/MS Column: DB-624
Sample wt/vol: 5ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Chloromethane	ND		1.00	0.360
Vinyl chloride	ND		1.00	0.420
Bromomethane	ND		1.00	0.590
Chloroethane	ND		1.00	0.410
Trichlorofluoromethane	ND		1.00	0.390
Acrolein	ND		20.0	1.64
1,1-Dichloroethene	ND		1.00	0.390
Methylene chloride	ND		2.00	1.98
Acrylonitrile	ND		20.0	1.40
trans-1,2-Dichloroethene	ND		1.00	0.330
1,1-Dichloroethane	ND		1.00	0.350
cis-1,2-Dichloroethene	ND		1.00	0.220
Chloroform	ND		1.00	0.330
1,1,1-Trichloroethane	ND		1.00	0.360
Carbon tetrachloride	ND		1.00	0.320
1,2-Dichloroethane (EDC)	ND		1.00	0.340
Benzene	ND		1.00	0.270
Trichloroethene	ND		1.00	0.320
1,2-Dichloropropane	ND		1.00	0.220
Bromodichloromethane	ND		1.00	0.310
2-Chloroethyl vinyl ether	ND		1.00	0.350
cis-1,3-Dichloropropene	ND		1.00	0.210
Toluene	ND		1.00	0.270
trans-1,3-Dichloropropene	ND		1.00	0.250
1,1,2-Trichloroethane	ND		1.00	0.280
Tetrachloroethene	ND		1.00	0.280
Dibromochloromethane	ND		1.00	0.230
Chlorobenzene	ND		1.00	0.270
Ethylbenzene	ND		1.00	0.220
Total Xylenes	ND		2.00	0.600
Bromoform	ND		1.00	0.210
1,1,2,2-Tetrachloroethane	ND		1.00	0.210
1,3-Dichlorobenzene	ND		1.00	0.240
1,4-Dichlorobenzene	ND		1.00	0.230
1,2-Dichlorobenzene	ND		1.00	0.210

Total Target Compounds: 0

Chiott 8-31-10

EcoChem, INC.
Environmental Data Quality

APPENDIX C
DATA VALIDATION WORKSHEETS

Project No.: C23902-1	Screener: Chott Date: 8.31.10
Project Name: Kings / Storage Deluxe	Reviewer: GS Date: 8/31/10
SDG/Package: E10-06728	

MODULE A: COMPLETENESS AND HOLDING TIME CHECKLIST

1.0 Chain-of-Custody

	Y	N	N/A
1.1 Are all Chain-of-Custody (COC) forms included in data package?	✓		
1.2 Were COC forms properly signed and dated?	✓		
1.3 Was sample container temperature recorded on COC form (or other appropriate form) by laboratory?		✓	
1.4 Is the recorded temperature within control limits (4°C ±2°C) Temperature(s): _____ _____ _____			✓

Comments:

Cooler Temp was not recorded, however, the Sample Receipt Verification form completed by the lab indicated the cooler temp was between 2-6°C.

2.0 Completeness Check

2.1 Is a case narrative present and does it describe analytical problems, discrepancies and corrective actions?	✓		
2.2 Are all required summary forms present (see attached list)?	✓		
2.3 Are data present for all samples listed on COC form?	✓		
2.4 Are all required raw data sections present (see attached list)? (PRELIMINARY CHECK ONLY; detailed review of raw data will be documented on Module B Checklist).	✓		

Comments:

3.0 Holding Times/Preservation (Technical Criteria: ☒CFR40; ☐QAPP; ☐Other _____)

3.1 Were all samples properly preserved?	unknown		
3.2 Complete the Holding Time Tables. (Documented in Comments or in worksheets attached to Module B; qualifiers assigned during Module B review)	✓		

Comments:

Samples are indicated as HCl preserved on COC, but no documentation in pkg exists that pH <2 was verified at analysis for 8260B H2O samples.

Completeness and Holding Time Check Complete?

Table	Parameters (✓)	Completed	Location (attached or filename)
Sample Index		(Y)	
Holding Time Tables (list):			
Volatiles	✓	(Y) / NA	
Semivolatile		Y / NA	
Pest/PCBs		Y / NA	
Metals		Y / NA	
Dioxins/Furans		Y / NA	
Conventionals		Y / NA	
PAH-8270SIM		Y / NA	
Herbicides		Y / NA	
TBT/Krone		Y / NA	
Phthalates-525.2		Y / NA	
Fuels		Y / NA	
Phenols			

☐ See attached.

Project No.: C2390Z-1	
Project Name: Kings / Storage Deluxe	Reviewer: Chrott Date: 8.30.10
SDG/Package: E10-06428	Secondary: GDS Date: 8/31/10
Laboratory: Integrated Analytical	

Parameter/Method: VOCs / 8260B Data Validation Criteria Table: EcoChem/NFG and NYDEC - DER-10

MODULE B: TECHNICAL EVALUATION CHECKLIST- ORGANICS

☒ **MODULE B-1 (Summaries of sample results; accuracy; precision; blanks)**

☒ **MODULE B-2 (Summaries of calibration, instrument performance & compound ID)**

☒ **B-2 Org** ☐ **B-2 HRMS** ☐ **B-2 Other** _____(name)

_____ **Qualifiers Issued. See Sample Summary forms or other:** _____

1.0 Technical Holding Times and Sample Handling (B-1)

	Y	N	N/A
1.1 Is Module A Checklist (COC, package completeness, Holding Time Table) complete?	✓		
1.2 Are all holding times within the technical criteria from ☒ CFR40; ☐ QAPP; ☐ Other _____)? ✓ no outliers ____ see attached Holding Time worksheet or data package page ____ see below	✓		
1.3 Are all cooler temperatures within the control limits? (temperature outliers listed on HT table) ✓ no outliers ____ see attached Holding Time worksheet or data package page ____ see below	✓		

Comments: ____ Data judged as not significantly affected by outliers; no qualifiers assigned

2.0 Surrogates/Labeled Compounds (B-1)

2.1 Are all recovery values within the control limits? 8000C limits (70-130%) ✓ no outliers ____ see attached Surrogate Summary Form or data package page ____ see below	✓		

Comments: ____ No positive results; no qualifiers as all outliers were > UCL (high bias)

____ No qualifiers assigned; one outlier per fraction/column acceptable (if > 10%)

Project No.: C23902-1 SDG: E10-06728

3.0 Method/Field Blank (B-1)

	Y	N	N/A
3.1 Are Method Blanks free from contamination? ✓ no outliers ____ see attached Blank Summary Form or data package page ____ see below	✓		
3.2 Are there any trip/equipment/field blanks included in the data package (list below)?	✓		
3.3 Are trip/equipment/field blanks free from contamination? ✓ no outliers ____ see attached Blank Summary Form or data package page ____ see below	✓		

Comments: ____ No positive results in associated samples; no action required for method / trip / equip. / other

____10X action level established for common lab cont.; 5X action level for others

FB (070810)
TB (070810)
FB (070910)

4.0 Laboratory Control Sample (Blank Spike/OPR Sample) (B-1)

	Y	N	N/A
4.1 Are all %R-values within the control limits? ✓ no outliers ____ see attached Summary Form or data package page ____ see below	✓		
4.2 Are all RPD values within control limits (if duplicate analyzed)? ____ no outliers ____ see attached Summary Form or data package page ____ see below			✓

Comments for LCS: ____ No positive results in associated samples; no qualifiers as all outliers were > UCL (high bias)

BLK-SPK - LCS 50PPB

5.0 Performance Evaluation (PE)/Standard Reference Material (SRM) (B-1)

PE/SRM Sample ID(s):

5.1 Was PE/SRM sample(s) analyzed?		✓	
5.2 Are all values within control limits? ____ no outliers ____ see below			✓

Comments: ____ No qualifiers assigned based on PE/SRM outliers

Not req'd by method or program.

Project No.: C23902-1 SDG: E10-0628

6.0 Matrix Spike/Matrix Spike Duplicate or Sample and Lab Duplicate (B-1)

Parent Sample ID:

	Y	N	N/A
6.1 Are all %R-values within the control limits? ✓ no outliers ____ see attached MS/MSD Summary Form or data package page ____ see below	✓		
6.2 Are all RPD values within control limits? ✓ no outliers ____ see attached MS/MSD Summary Form or data package page ____ see below	✓		

Comments: ____ No positive results in parent sample; no qualifiers as all outliers were > UCL (high bias)

7.0 Field Duplicate (B-1) Field Duplicate Sample ID(s):

7.1 Were field duplicates collected and analyzed?	✓		
7.2 Are all RPD values within control limits? ✓ no outliers ____ see attached Field Dup. Summary Form or data package page ____ see below	✓		

Comments: ____ No qualifiers assigned based on field duplicate outliers

MW6S and DUP (070810)

8.0 Sample Results (B-1)

8.1 Are there results for all analytes on the client required target compound list(s) **see QAPP for lists**?	✓		
8.2a Were TIC requested for this project?		✓	
8.2b If "yes", were TIC reported as required?			✓
8.3 Are reporting limits and sample results adjusted for sample size, % moisture (solid samples), etc.?	✓		
8.4 Are concentrations reported on the appropriate basis? ____Dry weight ✓ Wet weight	✓		
8.5 Do detection limits meet project-specific or method-specific limits?	✓		

Comments: ____Qualify TIC "NJ" unless already qualified "U" due to blank contamination

No QAPP avail for this project.

General Notes and Information:

Project No.: C23902-1 SDG: E10-0672S

MODULE: B-2-Org (calibration, instrument performance & compound identification)

9.0 Internal Standards (B-2)

	Y	N	N/A
9.1 Are all internal standard values within the control limits? ✓ no outliers ____ see attached Int. Std. Summary Form or data package page ____ see below	✓		

Comments:

10.0 Initial Calibration (B-2)

10.1 Are ICALs analyzed on all instruments on which samples are analyzed?	✓		
10.2 Are response factors / calibration factors stable (✓ %RSD (≤15% RSD) ____ correlation coefficients ____ other)? ✓ no outliers ____ see attached ICAL Summary Form or data package page ____ see below	✓		
10.3 Are response factors greater than the required minimum control limit?	✓		

Comments: ____ No positive results assoc. w/ outliers; RL judged as not affected – no qualifiers assigned
____ RF historically low; no qualifiers assigned since response is stable

ICAL : 7/2/10

Note: Raw data for ICAL standard STD-150PPB was not included in the data package. The ICAL Summary table shows that all other RRF's and the avg RRF to be in control. Based on the combined info for all ICAL points. Data are NOT qualified.

11.0 Continuing Calibration (B-2)

11.1 Are CCALs analyzed at the proper frequency? ✓ no outliers ____ see attached CCAL Summary Form or data package page ____ see below	✓		
11.2 Are CCALs acceptable (✓ %D ____ %R ____ other)? ✓ no outliers ____ see attached CCAL Summary Form or data package page ____ see below	✓		
11.3 Are response factors greater than the required minimum control limit? ✓ no outliers ____ see attached CCAL Summary Form or data package page ____ see below	✓		

Comments: ____ No positive results assoc. w/ outliers; RL judged as not affected – no qualifiers assigned
____ RF historically low; no qualifiers assigned since response is stable

CCAL: 7/13/10 10:25

Project No.: C23902-1 SDG: E10-06728

12.0 Instrument Tune (B-2)

	Y	N	N/A
12.1 Were instruments tuned at the required frequency?	✓		
12.2 Are all instrument tune criteria within the required control limits? ✓ no outliers ____ see attached data package page ____ see below	✓		

Comments:

BFB : 7/2/10 12:39
7/13/10 09:59

13.0 Breakdown (Pesticides only) (B-2)

13.1 Are breakdown products less than the required control limit (if applicable)? ____ no outliers ____ see attached Breakdown Summary Form or data package page ____ see below			✓
13.2 Are breakdown check standards analyzed at the proper frequency?			✓

Comments: ____ No positive results assoc. w/ outliers; RL judged as not affected – no qualifiers assigned

See Summary Forms (attached) for other outliers and qualifiers.

General Notes and Information:

Project No.: C2390Z-1	Reviewer: CMOTT Date: 8-31-10
SDG/Package: E10-06728	Secondary: GS Date: 8/31/10
Parameter/Method: 8260B	Equation List: ____ Attached
Laboratory: Integrated Analytical	____ See Calculation Worksheets

MODULE C: CALCULATION AND TRANSCRIPTION CHECKLIST

(As per project specific requirements and/or ***Summary of Recalculation Requirements***)

	Chromatograms Checked (✓/ NA / *) * see comments	Calculations Attached (✓/ NA)	Transcriptions		
			OK (✓)	See Below (✓)	NA (✓)
Tunes	✓	CMM ~~✓~~ N/A 8-30-10			
Initial calibration # points for curve? 7 ☒ checked averaging formula	✓	✓			
Continuing Calibration	✓	✓			
Blanks (method & instrument)	✓	✓			
Samples	✓	✓			
Surrogates	✓	✓			
LCS or OPR	✓	✓			
MS/MSD or Matrix Spike	✓	✓			
Laboratory Duplicate	N/A	N/A			
Internal Standards	✓	✓			
Serial Dilutions	N/A	N/A			
Other:					

Comments: (attach additional page if needed)

EcoChem, Inc.

Environmental Science and Chemistry

PROJECT NO.: C23902-1 SDG: E10-06728

SCREENED BY: Clmett DATE: 8.30.10

REVIEWED BY: _____ DATE: _____

DATA PACKAGE COMPLETENESS
VOLATILE ORGANIC COMPOUNDS ANALYSIS

1 = MODULE A + B-1 (No calibration; summary forms only) (screening or data verification)

2 = MODULE A + B1 & B-2 (Sample, QC and calibration results; no raw data) (Level III, Level C)

3 = MODULE A + B1 & B-2 + C(Sample and QC results; raw data; trans/calc. Checks) (Level IV or V, Level D or E)

Deliverable Requirement	Equivalent EPA Form	Required	Present	Comments
Copies of Shipping Documents (Fed-Ex Airbills)		1, 2, 3	✓	
Case Narrative		1, 2, 3	✓	Case narrative is minimal!
Table of Contents		3	✓	
Cross reference of Field Sample No., Lab Sample No., and Analytical Batch	IV	1, 2, 3	✓	
Chain-of-Custody Form (including Sample Receipt Checklist)		1, 2, 3	✓	
Sample Calculation (usually just a page copied from SOW)		3	No	
Results Summary for Each Sample and Blank	I	1, 2, 3	✓	
Tentatively Identified Compounds in Each Sample and Blank	I, TIC	3*	N/A	* Not required for all packages
Blank Spike Results		1, 2, 3	✓	
Surrogates Recovery	II	1, 2, 3	✓	
Matrix Spike/Duplicate Matrix Spike Recoveries	III	1, 2, 3	✓	
Instrument Performance Check (Tuning)	V	2, 3	✓	
Initial Calibration Data	VI	2, 3	✓	
Continuing Calibration Data	VII	2, 3	✓	
Internal Standards Areas and Retention Times	VIII	2, 3	✓	
MDL Study		3	No	
Reconstructed Ion Chromatograms for Each Sample, Blank, and Standard		3	✓	
Quantitation List		3		
Raw and Background-Subtracted Mass Spectra for Each Reported Target Analyte (not for MS/MSD)		3	✓	
Mass Spectra of TICs with Library Spectra of Three Best-Fit Matches (not for MS/MSD)		3	N/A	
Copies of Sample Preparation Work Sheets		3	N/A	
Copies of Run Logs		3	✓	

Client: Env Mgmt Ltd
Project Name: Kings-Storage Deluxe IAQ
Project No. 23902-1

Reviewer: CMM
Date: 08/27/19
SDG: E10-06728

HOLDING TIME CHECKLIST

VOC by TO-15

Sample ID	Lab ID	Sample Type*	Matrix**	Date Collected	Prep Date	Last Date Analyzed	Holding Time (days)		Qualifier	
							prep	analyzed	Positive	ND
FB(070810)	06728-001	WQ	FB	7/8/2010	7/13/2010	7/13/2010	5	0		
TB(070810)	06728-002	WQ	TB	7/8/2010	7/13/2010	7/13/2010	5	0		
PTW-2	06728-003	N	Aqueous	7/8/2010	7/13/2010	7/13/2010	5	0		
MW-9S	06728-004	N	Aqueous	7/8/2010	7/13/2010	7/13/2010	5	0		
MW-9D	06728-005	N	Aqueous	7/8/2010	7/13/2010	7/13/2010	5	0		
MW-6S	06728-006	N	Aqueous	7/8/2010	7/13/2010	7/13/2010	5	0		
MW-13R	06728-007	N	Aqueous	7/8/2010	7/13/2010	7/13/2010	5	0		
DUP(070810)	06728-008	FD	Aqueous	7/8/2010	7/13/2010	7/13/2010	5	0		
GP-104R	06728-009	N	Aqueous	7/9/2010	7/13/2010	7/13/2010	4	0		
GP-103R	06728-010	N	Aqueous	7/9/2010	7/13/2010	7/13/2010	4	0		
FB(070910)	06728-011	WQ	FB	7/9/2010	7/13/2010	7/13/2010	4	0		

Hold Time Criteria by Test:	VOC
Aqueous	14 Days

* N = Sample; WQ = Water Quality; FD = Field Replicate; FB = Field Blank
** TB = Trip; Aqueous = Aqueous Sample

Client: Env Mgmt Ltd
Project Name: Kings-Storage Deluxe IAQ
Project No. 23902-1

Reviewer: CMM
Date: 08/27/10
SDG: E10-06728

INITIAL CALIBRATION CALCULATION CHECK
VOC by 8260B

ICAL Date: 07/02/10 **Instrument:** MSD_F

Compound	Area of compound	Area of IS	Conc. of compound	Conc. of IS	Calc. RF	Reported RF	Reported %RSD	Calc. %RSD
I.S. = Bromochloromethane								
1,1,1-trichloroethane	16650	205401	5.000	50	0.811	0.811		
	58802	204581	20.000	50	0.719	0.719		
	347533	234310	100.000	50	0.742	0.742		
	716886	243375	200.000	50	0.736	0.736		
	3509	192156	1.000	50	0.913	0.913		
	6792	196973	2.000	50	0.862	0.862		
			150*		0.704			
Average RRF					**0.784**	*0.784*	10.19%	**10.17%**
I.S. = 1,4-Difluorobenzene								
toluene	23249	329128	5.000	50	0.706	0.706		
	83506	318960	20.000	50	0.655	0.655		
	483303	355151	100.000	50	0.680	0.680		
	981881	372783	200.000	50	0.658	0.658		
	4982	316031	1.000	50	0.788	0.788		
	9292	319419	2.000	50	0.727	0.727		
			150*	50	0.644			
Average RRF					***0.694***	*0.694*	*7.35%*	**7.34%**
I.S. = Chlorobenzene								
bromobenzene	12358	299217	5.000	50	0.413	0.413		
	46539	300059	20.000	50	0.388	0.388		
	277147	345830	100.000	50	0.401	0.401		
	566496	361305	200.000	50	0.392	0.392		
	2780	279638	1.000	50	0.497	0.497		
	4872	290053	2.000	50	0.420	0.420		
			150*	50	0.384			
Average RRF					***0.414***	*0.413*	*9.46%*	**9.44%**

RF = (Area compound x Conc. IS) / (Area IS x Conc. compound)

%RSD = Std Deviation of RFs / Average RRF

* Raw Data for Calibration standard at 150 ug were not included in the data package. The RRF values for the calibration std at 150 is included to verifiy the reported average RRF.

CCAL CHECK

CCAL Date/Time: *07/13/09* *10:25*

Compound	Area of compound	Area of IS	Average RF from ICAL	Reported CCAL RF	Reported %D (<25%)	Calc RF from CCV	Calc %D (<25%)	Int Std Conc.	CCAL Std Conc.
1,1,1-trichloroethane	310,159	190,029	0.784	*0.816*	*4.7%*	**0.816**	**-4.09%**	**50**	**100.0**
toluene	408,648	289,736	0.694	*0.705*	*1.6%*	**0.705**	**-1.61%**	**50**	**100.0**
bromobenzene	242,809	307,100	0.413	*0.395*	*4.4%*	**0.395**	**4.28%**	**50**	**100.0**

Calc RF = (Area of Compound x IS Conc) / (Area of IS x CCAL Conc)

Calc %D = (Ave RF-Calc RF) / (Ave RF)

Client: Env Mgmt Ltd
Project Name: Kings-Storage Deluxe IAQ
Project No. 23902-1

Reviewer: CMM
Date: 08/27/10
SDG: E10-06728

LABORATORY CONTROL SAMPLE RECALCULATION CHECK
VOC by 8260B

QC Sample: BLK-SPK

Compound	LCS Reported Amount	LCS Spike Added (ug/L)	Reported LCS % Recover	Calculated LCS % Recovery	%R Limits
1,1-dichloroethene	46.1	50	*92.0%*	92.2%	70-130
benzene	47.8	50	*96.0%*	95.6%	70-130
trichloroethene	48.2	50	*96.0%*	96.4%	70-130
toluene	50.6	50	*101.0%*	101.2%	70-130
chlorobenzne	45	50	*90.0%*	90.0%	70-130

LCS Calc. Recovery = Calc.Amt * 100 / Spike Added

MATRIX SPIKE / DUPLICATE MATRIX SPIKE ANALYSES RECALCULATION CHECK
VOCs by 8260B

QC Sample: MW-9D

Compound	Amount Found in Parent Samp	MS Reported Amount	MS Report Amount	MS Spike Added (ug/k	MSD Spike Added (ug/k	Reported MS % Recovery	Reported DM % Recovery	Reported RPD (%)	Calculated MS % Recovery	Calculated DMS % Recovery	Calculated RPD
1,1-dichloroethene	0	65.2	64.8	50	50.0	*130%*	*130%*	*0%*	130.4%	129.6%	0.6%
benzene	0	52.4	51.9	50	50.0	*105%*	*104%*	*1%*	104.8%	103.8%	1.0%
trichloroethene	0	52.4	52.5	50	50.0	*105%*	*105%*	*0%*	104.8%	105.0%	0.2%
toluene	0	52.3	52	50	50.0	*105%*	*104%*	*1%*	104.6%	104.0%	0.6%
chlorobenzne	0	51.2	50.9	50	50.0	*102%*	*102%*	*0%*	102.4%	101.8%	0.6%

% Recovery = (Calc.Amt - Parent Amount / Spike Added)*100

SAMPLE & SURROGATE RECALCULATION CHECK
VOC by 8260B

Sample ID: MW-13R 06728-007

Compound	Area of compound	Area of IS	ICAL RRF	Int.Std. Conc. (ng)	Dil Factor	Extract Vol (mL)	Sample Vol (mL)	Calc On Col. Conc. (ng)	Reported Conc.	Calc. Conc. (ng)	Surr. Spike	Reported % R	Calc. % R
1,1-dichloroethane	1267	144315	0.691	50	1.00	5	5	*0.635*	*0.636*	*0.635*			
cis-1,2-dichloroethene	554	144315	0.443	50	1.00	5	5	***0.433***	*0.433*	*0.433*			
trichloroethene	1432	253484	0.292	50	1.00	5	5	***0.967***	*0.969*	*0.967*			
1,2-dichloroethane-d4	*82369*	*144315*	*0.475*	*50*	*1.00*	*5*	*5*	***60.08***	*60.12*	*60.08*	*50*	*120.2%*	*120.2%*
toluene-d8	*214267*	*253484*	*0.873*	*50*	*1.00*	*5*	*5*	***48.41***	*48.43*	*48.41*	*50*	*96.86%*	*96.8%*
bromofluorobenzene	*84532*	*252299*	*0.407*	*50*	*1.00*	*5*	*5*	***41.12***	*46*	*41.12*	*50*	*92.00%*	*82.2%*

Conc. = (Area of Cmpd x IS Conc)/ (Area IS x ICAL RRF) x (Dil.Factor x Extract ml) / (Sample Vol ml)
Surrogates: Calculated %Rec = (Calc. Conc.) / (Spike Conc.) Reported conc. is the 'final' conc. From quantitation page.

Field Duplicate Precision

VOC by 8260B

Client: Env Mgmt Ltd
Project Name: Kings-Storage Deluxe IAQ
Project No. 23902-1

Reviewer: CMM
Date: 08/27/10
SDG: E10-06728

RPD Control Limit: 35%

Compound	Sample Result ug/kg			Duplicate Result ug/kg			Calculated RPD	Calculated Difference	Suggested Qualifier
	MW-6S E10-06728			DUP(07/08/10) E10-06728					
	Result	RL	Flag	Result	RL	Flag			
chloromethane		1.00	U		1.00	U			None
vinyl chloride		1.00	U		1.00	U			None
bromomethane		1.00	U		1.00	U			None
chloroethane		1.00	U		1.00	U			None
trichlorfluoromethane		1.00	U		1.00	U			None
acrolein		20.0	U		20.0	U			None
1,1-dichloroethene		1.00	U		1.00	U			None
methylene chloride		2.00	U		2.00	U			None
acrylonitrile		20.0	U		20.0	U			None
trans-1,2-dichloroethene		1.00	U		1.00	U			None
1,1-dichloroethane		1.00	U		1.00	U			None
cis-1,2-dichloroethene		1.00	U		1.00	U			None
chloroform		1.00	U		1.00	U			None
1,1,1-trichloroethane	2.51	1.00		2.93	1.00		15.4%	0.42	None
carbon tetrachloride		1.00	U		1.00	U			None
1,2-dichloroethane		1.00	U		1.00	U			None
benzene		1.00	U		1.00	U			None
trichloroethene	16.3	1.00		19	1.00		15.3%	2.7	None
1,2-dichloropropane		1.00	U		1.00	U			None
bromodichloromethane		1.00	U		1.00	U			None
2-chloroethyl vinyl ether		1.00	U		1.00	U			None
cis-1,3-dichloropropene		1.00	U		1.00	U			None
toluene		1.00	U		1.00	U			None
trans-1,3-dichoropropene		1.00	U		1.00	U			None
1,1,2-trichloroethane		1.00	U		1.00	U			None
tetrachloroethene	2.46	1.00		2.91	1.00		16.8%	0.45	None
dibromochloromethane		1.00	U		1.00	U			None
chlorobenzene		1.00	U		1.00	U			None
ethylbenzene		1.00	U		1.00	U			None
total xylenes		2.00	U		2.00	U			None
bromoform		1.00	U		1.00	U			None
1,1,2,2-tetrachchloroethane		1.00	U		1.00	U			None
1,3-dichlorobenzene		1.00	U		1.00	U			None
1,4-dichlorobenzene		1.00	U		1.00	U			None
1,2-dichlorobenzene		1.00	U		1.00	U			None

M1 = matrix interferenece due to co-elution with non-target compound, results may be biased high.
U = Not detected at the stated concentration.
The calculated difference control limit is equal to the reporting limit of the compound.
* Positive results less than 5 times the RL use the calculated difference control limit.

ARCADIS

Appendix D

Well Inspection Forms

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 13:26
WELL ID.: **IW-1R**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	IW-1	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	YES	**NO**
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	5.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	20.15'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	12.39'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the middle of the driveway at storage facility.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **Some of the flushmount well cover bolts are damaged.**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 13:40
WELL ID.: **IW-2**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	IW-2	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	8.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	15.66'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	10.86'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the middle of the driveway at the storage facility.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 13:45
WELL ID.: **IW-3**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	IW-3	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	19.00'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.90'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the middle of the driveway at the storage facility.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 13:47
WELL ID.: **IW-4**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	IW-4	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	YES	**NO**
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	18.25'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.99'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in driveway next to office the first well at storage facility.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **Some of the flushmount well cover bolts are damaged.**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 8:25
WELL ID.: **IW-5**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	None	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	YES	**NO**
HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Measured	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Steel Vault Box	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	Not Measured	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	Not Measured	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	Not Measured	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in injection box on injection line number 1 in the storage facility first driveway.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the steel box in pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **Some of the flushmount well cover bolts are damaged.**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 8:33

WELL ID.: **IW-6**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	IW-6	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	8.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	18.00'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.58'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the first driveway of the storage facility at injection line number 1.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Automotive garage (off-site).

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 11:30
WELL ID.: **IW-8**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	IW-8	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	18.70'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	10.92'	
MEASURE WELL DIAMETER (Inches):	5.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located inside the storage facility building.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the hallway on the other side of locker 1018.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 11:35

WELL ID.: **IW-9**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	IW-9	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	19.80'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.15'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located inside the storage facility in locker 1018.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located inside locker 1018

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 11:39
WELL ID.: **IW-10**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	IW-10	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	17.04'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	10.40'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located inside the storage facility in locker 1040.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located inside locker 1040

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 11:42
WELL ID.: **IW-11**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	IW-11	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	YES	**NO**
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	22.34'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	14.23'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located inside the storage facility

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located inside the storage facility

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **Some of the flushmount well cover bolts are damaged.**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 13:55
WELL ID.: **IW-13**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	IW-13	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAe 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	15.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	14.97'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.60'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the basement of the storage facility.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the concrete of the basement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 14:07

WELL ID.: **IW-14**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: IW-14

SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO

HEADSPACE READING (ppm) AND INSTRUMENT USED: MultiRAE 0.0 ppm

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): NA

PROTECTIVE CASING MATERIAL TYPE: Steel flushmount unit

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): NA

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 19.73'

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 10.42'

MEASURE WELL DIAMETER (Inches): 2.0"

WELL CASING MATERIAL: PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING: Good

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located outside in the injection box on the road,

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the Pacasandra ground coverage.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 14:10
WELL ID.: **IW-15R**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	IW-15R	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	2.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	18.68'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.67'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the front of the loading dock by the MW-7 cluster.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the pavement of the storage facility.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 14:33

WELL ID.: **IW-16**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	IW-16	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultieRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	18.63'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	10.50'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located on the sidewalk along the furthest parking lot by the loading dock.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 8:38

WELL ID.: **MW-1**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	None	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	18.72'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.15'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located left of the first driveway near edge.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the pavement near concrete edge.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Automotive garage (off-site).

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 13:41
WELL ID.: **MW-HP-1D**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-HP-1D	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	YES	**NO**
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultieRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	38.23'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.09'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in middle driveway towards the front on the side of the office.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **Some of the flushmount well cover bolts are damaged.**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 11:20

WELL ID.: **MW-2**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-2	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	18.61'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	10.82'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the storage facility building.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located near locker number 1068 in the hallway of the storage facility.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 13:49
WELL ID.: **MW-5S**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-5S	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultieRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	8"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	17.94'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.09'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located at the middle access of the storage building by access door.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 8:20

WELL ID.: **MW-6S**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	YES	**NO**
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	6S	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	5.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	19.30'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	12.27'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in first driveway of B Deluxe

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located along automotive garage in pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Automotive garage (off-site).

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 13:53

WELL ID.: **MW-6D**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-6D	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultieRAE 1.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	5.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	37.18'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	12.37'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the first driveway of storage facility.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located along the automotive garage wall in pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Automotive garage (off-site).

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 14:23

WELL ID.: **MW-7S**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-7S	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	8.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	19.29'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.28'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the last driveway by the loading dock.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 14:28:00 PM

WELL ID.: **MW-7D**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-7D	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultieRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	5.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	32.65'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	12.45'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the storage facility in far driveway by loading dock.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in front of above grade loading dock in the pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 8:35

WELL ID.: **MW-HP-8S**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-HP-8S	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	YES	**NO**
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 13.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	16.55'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.36'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the first driveway of the storage facility in the injection line number 1.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):
Automotive garage (off-site).

REMARKS: **Some of the flushmount well cover bolts are damaged.**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 8:58
WELL ID.: **MW-HP-8D**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-HP-8D	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	YES	**NO**
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultieRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	57.08'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.65'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the first driveway of the storage facility.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in pavement in injection line 1.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Automotive garage (off-site).

REMARKS: **Some of the flushmount well cover bolts are damaged.**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 10:40
WELL ID.: **MW-9S**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	YES	**NO**
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	None	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultieRae 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	5.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	18.65'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.21'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the middle building near elevator and ramp.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the floor of the storage facility.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 10:42
WELL ID.: **MW-9D**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	YES	**NO**
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-9D	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	5.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	38.73'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.37'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the middle of the main building of the storage facility near the elevator and ramp.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the floor of the storage facility.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 11:02

WELL ID.: **MW-11**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-11	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	22.34'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	14.23'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the sidewalk near the back office door.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the concrete pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 11:06
WELL ID.: **MW-10**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-10	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	22.28'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	14.20'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in locker 1201.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located on the floor of the storage facility.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 11:13
WELL ID.: **MW-12**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-12	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	12.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	22.10'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	13.96'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the storage locker 1188

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located on the floor of the locker in the concrete.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 14:20

WELL ID.: **MW-13R**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	YES	**NO**
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	MW-13R	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	YES	**NO**
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	5.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	19.50'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.65'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Located in the last driveway of the storage facility in the back right corner of the driveway with the back towards the loading dock.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Located in the pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None observed

REMARKS: **Some of the flushmount well cover bolts are damaged.**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 13:14
WELL ID.: **GP-104R**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	YES	**NO**
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	GP-104R	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	5.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	14.41'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.90'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the basement in the electrical closet in building 2.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the basement on the floor in building 2 in electrical closet.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 13:10

WELL ID.: **GP-103R**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	YES	**NO**
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	None	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	5.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	14.85'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	6.37'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in building two in the basement.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in locker 0045.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001
INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 13:20
WELL ID.: **GP-106R**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	GP-106	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	YES	**NO**
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	5.0"	
LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	19.50'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.70'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located in the middle of the driveway of the storage facility.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the pavement

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **Some of the flushmount well cover bolts are damaged.**

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: D. Kirschner/V. Myers

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 7/7/2010 10:50

WELL ID.: **PTW-2**

WELL VISIBLE? (If not, provide directions below)	**YES**	NO
WELL I.D. VISIBLE?	**YES**	NO
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	**YES**	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	PTW-2	
SURFACE SEAL PRESENT?	**YES**	NO
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	**YES**	NO
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	**YES**	NO
HEADSPACE READING (ppm) AND INSTRUMENT USED	MultiRAE 0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Steel flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	8.0"	

LOCK PRESENT?	YES	**NO**
LOCK FUNCTIONAL?	YES	**NO**
DID YOU REPLACE THE LOCK?	YES	**NO**
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	YES	**NO**
WELL MEASURING POINT VISIBLE?	**YES**	NO
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	16.50'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	11.51'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Located just outside the office of the main building.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in the floor of the storage facility.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None observed

REMARKS: **None**