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Weissman Holdings, Inc

Post-Remedial Annual Report and Project Evaluation for On-Site Groundwater – Year 1

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

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

30 October 2009

ARCADIS

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30 October 2009

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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 Post-Remedial Annual Report and Project Evaluation (PRM Report) for on-site groundwater at the former Kings Electronics Co., Inc. facility (Site). This report summarizes (i) the results of four quarters of on-site groundwater monitoring for the first year (August 2008 - July 2009) following shutdown of the groundwater remediation system in August 2008; (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 data.

1.1 Project

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.

The New York State Department of Environmental Conservation (NYSDEC) approved Kings' Revised On-Site Remedial Action Work Plan (RAWP) dated July 3, 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 February 11, 2009 (ARCADIS, 2009), on-site post-remedial monitoring was to begin following shutdown of the groundwater remedial system in August 2008.

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). These Site specific cleanup goals were reached in January 2008.

As described herein, all groundwater remediation activities ended in August 2008, beginning the Post-Remedial Period. The purpose of this PRM Report is to evaluate and document the effectiveness of the groundwater remediation during the Post-Remedial Period and determine if any post-remedial action is warranted. In addition, the PRM report summarizes the operations, maintenance and monitoring (OM&M) activities, which consist of monitoring well and injection well inspections.

2. Pre-Remedial Groundwater Conditions

On-site groundwater was impacted with chlorinated VOCs (CVOCs). Trichloroethene (TCE) has been determined to be the diagnostic COC at the Site. The highest concentrations of total CVOCs in groundwater were detected in the upper unconsolidated unit (10 to 20 feet bgs). 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 decrease by two to three orders of magnitude, demonstrating that the downward migration of CVOCs is 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 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). The first post-remediation monitoring event occurred in October 2008, following shutdown of the groundwater remedial system in August 2008. Year 1 of the Post-Remedial Period has been completed (for August 2008 - July 2009) and is summarized in this report.

The on-site monitoring wells include wells downgradient of the former degreaser source area (MW-9S, MW-9D, PTW-2, GP-104R, GP-103R and MW-13R) and one well upgradient of the former degreaser source area (MW-6S) at the northern property line. Downgradient wells monitor the effectiveness of the remediation and the upgradient well is utilized to document upgradient groundwater conditions.

The objectives of the post-remedial monitoring are (i) to determine if a rebound of former source area contaminants is observed in on-site groundwater and (ii) if so, to identify 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 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.

The post-remedial activities 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, and the Revised On-Site Remedial Action Work Plan for the Site, and by agreement with NYSDEC

3.1.1 Groundwater Sampling

On-site post-remedial monitoring was completed during October 2008, January 2009, April 2009, and July 2009. The following six on-site monitoring wells were sampled during each quarter: MW-9S, MW-9D, PTW-2, GP-104R, GP-103R and MW-13R. In addition, MW-6S (on-site at the upgradient northern property line) was monitored each quarter to document groundwater quality upgradient of the former degreaser source area.

Purge water generated from the sampling activities is temporarily staged on-site in designated 55-gallon drums. On 13 October 2008 and on 22 April 2009, Royal Environmental Services Corporation, a 6 NYCRR Part 364 permitted transporter, removed purge water for delivery off-site.

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. The logs are provided as Appendix A. Groundwater samples were also collected using a low-flow groundwater sampling technique and were analyzed for Target Compound List (TCL) 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. 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.

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 20 January 2009 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-12, 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). Completed well field inspection logs are provided as Appendix C.

(b) Annual visual inspections were completed on 20 January 2009 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 and monitoring wells was completed on 17 July 2009 based on ARCADIS field observations. The maintenance performed was completed as follows:

- Bolts were replaced for Monitoring Well MW-HP-1D and Injection Wells IW-11 and GP-106R2.
- Flushmount unit threads that receive bolts to secure the well cover were retapped and bolts were replaced for Monitoring Wells MW-6S, MW-9S, MW-9D, MW-13R, GP103R, GP-104R, PTW-2, MW-HP-2S, MW-HP-2D, OS-MW-1, OS-MW-2, and OW-MW-3-PL, and for Injection Wells MW-HP-8S, IW-3, IW-4, IW-6, IW-8, and IW-16.

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

4. Post-Remedial Monitoring Program Results and Evaluation – Year 1

The results for the first year of the post-remedial monitoring program are described in the following sections.

4.1 Groundwater Monitoring

4.1.1 Results

The analytical results from Year 1 of the Post-Remedial Period for post-remedial performance monitoring wells (MW-9S, MW-9D, PTW-1, GP014R, GP-103R, MW-13R) are provided in Table 1. The 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 2008

The results of the post-remedial monitoring conducted during October 2008 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 1.62 µg/l.
- There was one exceedence of the SCG for cis-1,2-DCE (5.0 µg/l) and one exceedence of the SCG for vinyl chloride (2.0 µg/l) at Well GP-103R. The reported concentrations for cis-1,2-DCE and vinyl chloride were 6.31 µg/l and 35.2 µg/l, respectively.
- The TCE concentration at upgradient well MW-6S was reported at 24.1 µg/l.

4.1.1.2 January 2009

The results of the post-remediation monitoring conducted during January 2009 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 1.62 µg/l.
- There was one exceedence of the SCG for vinyl chloride at Well MW-13R. The reported concentration was 2.73 µg/l.
- The TCE concentration at upgradient well MW-6S was reported at 43.3 µg/l. Additionally, 1,1,1-trichloroethane (1,1,1-TCA) and tetrachloroethene (PCE) were reported at concentrations of 5.1 µg/l and 5.55 µg/l, respectively.

4.1.1.3 April 2009

The results of the post-remediation monitoring conducted during April 2009 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 1.54 µg/l.
- There was one exceedence of the SCG for vinyl chloride at Well GP-103R. The reported concentration was 10.9 µg/l.

- The TCE concentration at upgradient well MW-6S was reported at 33.9 µg/l. Additionally, 1,1,1-TCA was reported at a concentration of 6.31 µg/l.

4.1.1.4 July 2009

The results of the post-remediation monitoring conducted during July 2009 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 2.22 µg/l.
- There were no SCG exceedences for any performance monitoring well.
- The TCE concentration at upgradient well MW-6S was reported at 37.3 µg/l. Additionally, PCE was reported at 5.48 ug/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. Based on the four quarters of post-remedial monitoring data, TCE has not exceeded the applicable SCG in any performance monitoring well. One exceedence of cis-1,2 DCE was detected at GP-103R in October 2008 at a concentration of 6.31 ug/l. Two exceedences of vinyl chloride were detected at GP-103R in October 2008 and April 2009 at concentrations of 35.2 ug/l and 10.9 ug/l, respectively. One exceedence of vinyl chloride was detected at MW-13R in January 2009 at a concentration of 2.73 ug/l.

Although cis-1,2-DCE and vinyl chloride are degradation products of TCE, their relatively low concentrations and the absence of TCE exceedences suggest that a post-remedial rebound has not occurred. Additionally, exceedences of SCGs were not detected in wells located between the former degreaser source area and GP-103R (i.e., results from MW-9S, MW-9D, PTW-2, and GP-104R were below SCGs), further suggesting that a post-remedial rebound has not occurred. The single detected exceedence of vinyl chloride at MW-13R was relatively low and is likely attributable to concentrations detected upgradient at GP-103R. Subsequent monitoring indicates that these concentrations have attenuated to levels below the SCGs.

Based on the post-remedial monitoring data, the upgradient VOC concentrations reported at MW-6S have not re-impacted the performance monitoring wells.

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. Groundwater elevation measurements for each quarter are provided in Table 3.

4.2 Inspections and Maintenance of the Injection and Monitoring Well Network

4.2.1 Results

The annual inspection and maintenance results from Year 1 of the Post-Remedial Period are summarized as follows:

- Minimal maintenance was required for on-site and off-site wells based on the annual inspection results performed on 20 January 2009.
- Maintenance was completed, as summarized in Section 3.2.2, on 17 July 2009.

4.2.2 Evaluation

The injection and monitoring wells appear in operable condition based on the 20 January 2009 inspection. No additional repair or maintenance is required.

5. Conclusions and Recommendations

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

- Post-remedial rebound of TCE has not occurred since shutdown of the groundwater remediation system in August 2008.
- TCE concentrations in groundwater remain below the SCG at post-remedial performance monitoring wells.
- TCE degradation products, specifically cis-1,2 DCE and vinyl chloride, were detected at relatively low concentrations at Well GP-103R and vinyl chloride was detected at a low concentration at MW-13R. The detections of cis-1,2-

DCE and vinyl chloride are likely due to localized residual CVOCs and are likely not related to the former degreaser source area. This is based on (i) the distance of GP-103R from the former degreaser source area (approximately 300 ft) and (ii) the absence of SCG exceedences in post-remedial performance wells upgradient of GP-103R.

- Average yearly TCE upgradient sample results at MW-6S are trending lower.

- Monitoring well and injection wells appear in operable condition to continue monitoring activities and reinstate injections, if required.

Continued post-remedial monitoring on a quarterly basis and annual inspection and maintenance of the injection system and monitoring wells are recommended for a second year (i.e., four additional quarters) in accordance with the FER.

6. Schedule and Reporting

Post-remedial groundwater monitoring is scheduled to be completed during October 2009, January 2010, April 2010, and July 2010 for on-site wells. It is anticipated that a final groundwater monitoring event will be completed during July 2010, pending NYSDEC approval and provided that a post-remedial rebound is not observed during the Post-Remedial Period. The on-site post-remedial groundwater monitoring and maintenance schedule is summarized in Table 4.

Interim Quarterly Reports will continue to be prepared and submitted to NYSDEC while on-site quarterly monitoring is required.

An Annual Report will be submitted within 90 days of concluding the second year of the Post-Remedial Period. It is anticipated that the Post-Remedial Period will conclude following the July 2010 monitoring event, provided a post-remedial rebound is not observed.

7. References

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New York State Department of Environmental Conservation. 2002. Draft DER-10 Technical Guidance for Site Investigation and Remediation. December 12, 2002

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Table 1. Volatile Organic Compound Results for Post-Remedial Groundwater Monitoring Wells, October 2008 to July 2009, Former Kings Electronics Co., Inc. Site Tuckahoe, New York.

	Location ID	MW-9D				MW-9S			
	Lab Sample ID	MW-9D_E08-12330-010	MW-9D_E09-00763-006	MW-9D_E09-03980-007	MW-9D_E09-07112-005	MW-9S_E08-12330-008	MW-9S_E09-00763-007	MW-9SR_E09-03980-006	MW-9S_E09-07112-006
	Sample Date	10/21/2008	1/21/2009	4/22/2009	7/15/2009	10/21/2008	1/21/2009	4/22/2009	7/15/2009
Compound	SCGs								
1,1,1-Trichloroethane	5	< 0.43	< 0.36	< 0.23	< 0.23	< 0.43	< 0.36	< 0.23	< 0.23
1,1,2,2-Tetrachloroethane	5	< 0.14	< 0.17	< 0.12	< 0.12	< 0.14	< 0.17	< 0.12	< 0.12
1,1,2-Trichloroethane	1	< 0.36	< 0.15	< 0.15	< 0.15	< 0.36	< 0.15	< 0.15	< 0.15
1,1-Dichloroethane	5	< 0.34	< 0.21	< 0.23	< 0.23	0.52	0.547	0.877	< 0.23
1,1-Dichloroethylene	5	< 0.42	< 0.53	< 0.61	< 0.61	< 0.42	< 0.53	< 0.61	< 0.61
1,2-Dichlorobenzene	3	< 0.28	< 0.23	< 0.15	< 0.15	< 0.28	< 0.23	< 0.15	< 0.15
1,2-Dichloroethane	0.6	< 0.28	< 0.19	< 0.21	< 0.21	< 0.28	< 0.19	< 0.21	< 0.21
1,2-Dichloropropane	1	< 0.21	< 0.16	< 0.2	< 0.2	< 0.21	< 0.16	< 0.2	< 0.2
1,4-Dichlorobenzene	3	< 0.28	< 0.25	< 0.16	< 0.16	< 0.28	< 0.25	< 0.16	< 0.16
2-Chloroethyl Vinyl Ether	---	< 0.63	< 1.04	< 0.99	< 0.99	< 0.63	< 1.04	< 0.99	< 0.99
Acrolein	---	< 1.87	< 2.57	< 4.34	< 4.34	< 1.87	< 2.57	< 4.34	< 4.34
Acrylonitrile	---	< 1.19	< 0.74	< 0.95	< 0.95	< 1.19	< 0.74	< 0.95	< 0.95
Benzene	1	< 0.29	< 0.17	< 0.21	< 0.21	< 0.29	< 0.17	< 0.21	< 0.21
Bromodichloromethane	50	< 0.21	< 0.18	< 0.12	< 0.12	< 0.21	< 0.18	< 0.12	< 0.12
Bromomethane	5	< 0.51	< 0.37	< 0.36	< 0.36	< 0.51	< 0.37	< 0.36	< 0.36
Carbon Tetrachloride	5	< 0.45	< 0.3	< 0.16	< 0.16	< 0.45	< 0.3	< 0.16	< 0.16
CFC-11	5	< 0.6	< 0.74	< 0.23	< 0.23	< 0.6	< 0.74	< 0.23	< 0.23
Chlorobenzene	5	< 0.27	< 0.2	< 0.2	< 0.2	< 0.27	< 0.2	< 0.2	< 0.2
Chlorodibromomethane	50	< 0.25	< 0.16	< 0.16	< 0.16	< 0.25	< 0.16	< 0.16	< 0.16
Chloroethane	5	< 0.71	< 0.64	< 0.29	< 0.29	< 0.71	< 0.64	< 0.29	< 0.29
Chloroform	7	< 0.29	< 0.14	< 0.17	< 0.17	< 0.29	< 0.14	< 0.17	< 0.17
Chloromethane	5	< 0.51	< 0.18	< 0.23	< 0.23	< 0.51	< 0.18	< 0.23	< 0.23
cis-1,2-Dichloroethene	5	< 0.32	< 0.19	< 0.2	< 0.2	0.668	0.64	0.657	0.564
cis-1,3-Dichloropropene	0.4	< 0.2	< 0.24	< 0.15	< 0.15	< 0.2	< 0.24	< 0.15	< 0.15
Dichloromethane	5	< 1.98	< 1.98	< 1.98	< 1.98	< 1.98	< 1.98	< 1.98	< 1.98
Ethylbenzene	5	< 0.33	< 0.27	< 0.19	< 0.19	< 0.33	< 0.27	< 0.19	< 0.19
m-Dichlorobenzene	3	< 0.32	< 0.23	< 0.17	< 0.17	< 0.32	< 0.23	< 0.17	< 0.17
Methylbenzene	5	< 0.34	< 0.23	< 0.2	< 0.2	< 0.34	< 0.23	< 0.2	< 0.2
Tetrachloroethene	5	< 0.38	< 0.33	< 0.19	< 0.19	< 0.38	< 0.33	< 0.19	< 0.19
Total Xylenes	5	< 0.98	< 0.79	< 0.44	< 0.44	< 0.98	< 0.79	< 0.44	< 0.44
trans-1,2-Dichloroethene	5	< 0.45	< 0.25	< 0.19	< 0.19	0.882	< 0.25	1.31	< 0.19
trans-1,3-Dichloropropene	0.4	< 0.13	< 0.32	< 0.27	< 0.27	< 0.13	< 0.32	< 0.27	< 0.27
Tribomomethane	50	< 0.3	< 0.15	< 0.14	< 0.14	< 0.3	< 0.15	< 0.14	< 0.14
Trichloroethylene	5	< 0.32	< 0.19	< 0.28	< 0.28	< 0.32	< 0.19	< 0.28	< 0.28
Vinyl Chloride	2	< 0.56	< 0.46	< 0.26	< 0.26	0.861	0.808	0.757	< 0.26

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 2009, Former Kings Electronics Co., Inc. Site Tuckahoe, New York.

	Location ID	PTW-2				GP-104R			
	Lab Sample ID	PTW-2_E08-12330-014	PTW-2_E09-00763-017	PTW-2_E09-03980-001	PTW-2_E09-07112-010	GP-104R_E08-12330-013	GP-104R_E09-00763-012	GP-104R_E09-03980-005	GP-104R_E09-07112-009
	Sample Date	10/23/2008	1/22/2009	4/21/2009	7/16/2009	10/23/2008	1/22/2009	4/22/2009	7/16/2009
Compound	SCGs								
1,1,1-Trichloroethane	5	< 0.43	< 0.36	< 0.23	< 0.23	< 0.43	< 0.36	< 0.23	< 0.23
1,1,2,2-Tetrachloroethane	5	< 0.14	< 0.17	< 0.12	< 0.12	< 0.14	< 0.17	< 0.12	< 0.12
1,1,2-Trichloroethane	1	< 0.36	< 0.15	< 0.15	< 0.15	< 0.36	< 0.15	< 0.15	< 0.15
1,1-Dichloroethane	5	0.657	1.69	1.88	0.576	0.573	1.48	0.789	< 0.23
1,1-Dichloroethylene	5	< 0.42	< 0.53	< 0.61	< 0.61	< 0.42	< 0.53	< 0.61	< 0.61
1,2-Dichlorobenzene	3	< 0.28	< 0.23	< 0.15	< 0.15	< 0.28	< 0.23	< 0.15	< 0.15
1,2-Dichloroethane	0.6	< 0.28	< 0.19	< 0.21	< 0.21	< 0.28	< 0.19	< 0.21	< 0.21
1,2-Dichloropropane	1	< 0.21	< 0.16	< 0.2	< 0.2	< 0.21	< 0.16	< 0.2	< 0.2
1,4-Dichlorobenzene	3	< 0.28	< 0.25	< 0.16	< 0.16	< 0.28	< 0.25	< 0.16	< 0.16
2-Chloroethyl Vinyl Ether	---	< 0.63	< 1.04	< 0.99	< 0.99	< 0.63	< 1.04	< 0.99	< 0.99
Acrolein	---	< 1.87	< 2.57	< 4.34	< 4.34	< 1.87	< 2.57	< 4.34	< 4.34
Acrylonitrile	---	< 1.19	< 0.74	< 0.95	< 0.95	< 1.19	< 0.74	< 0.95	< 0.95
Benzene	1	< 0.29	< 0.17	< 0.21	< 0.21	< 0.29	< 0.17	< 0.21	< 0.21
Bromodichloromethane	50	< 0.21	< 0.18	< 0.12	< 0.12	< 0.21	< 0.18	< 0.12	< 0.12
Bromomethane	5	< 0.51	< 0.37	< 0.36	< 0.36	< 0.51	< 0.37	< 0.36	< 0.36
Carbon Tetrachloride	5	< 0.45	< 0.3	< 0.16	< 0.16	< 0.45	< 0.3	< 0.16	< 0.16
CFC-11	5	< 0.6	< 0.74	< 0.23	< 0.23	< 0.6	< 0.74	< 0.23	< 0.23
Chlorobenzene	5	< 0.27	< 0.2	< 0.2	< 0.2	< 0.27	< 0.2	< 0.2	< 0.2
Chlorodibromomethane	50	< 0.25	< 0.16	< 0.16	< 0.16	< 0.25	< 0.16	< 0.16	< 0.16
Chloroethane	5	< 0.71	< 0.64	< 0.29	< 0.29	< 0.71	< 0.64	< 0.29	< 0.29
Chloroform	7	< 0.29	< 0.14	< 0.17	< 0.17	< 0.29	< 0.14	< 0.17	< 0.17
Chloromethane	5	< 0.51	< 0.18	< 0.23	< 0.23	< 0.51	< 0.18	< 0.23	< 0.23
cis-1,2-Dichloroethene	5	0.395	< 0.19	1.31	1.76	0.589	1.58	1.16	1.64
cis-1,3-Dichloropropene	0.4	< 0.2	< 0.24	< 0.15	< 0.15	< 0.2	< 0.24	< 0.15	< 0.15
Dichloromethane	5	< 1.98	< 1.98	< 1.98	< 1.98	< 1.98	< 1.98	< 1.98	< 1.98
Ethylbenzene	5	< 0.33	< 0.27	< 0.19	< 0.19	< 0.33	< 0.27	< 0.19	< 0.19
m-Dichlorobenzene	3	< 0.32	< 0.23	< 0.17	< 0.17	< 0.32	< 0.23	< 0.17	< 0.17
Methylbenzene	5	< 0.34	< 0.23	< 0.2	< 0.2	< 0.34	< 0.23	< 0.2	< 0.2
Tetrachloroethene	5	< 0.38	< 0.33	< 0.19	< 0.19	< 0.38	< 0.33	< 0.19	< 0.19
Total Xylenes	5	< 0.98	< 0.79	< 0.44	< 0.44	< 0.98	< 0.79	< 0.44	< 0.44
trans-1,2-Dichloroethene	5	< 0.45	< 0.25	0.717	< 0.19	0.459	1.19	0.759	< 0.19
trans-1,3-Dichloropropene	0.4	< 0.13	< 0.32	< 0.27	< 0.27	< 0.13	< 0.32	< 0.27	< 0.27
Tribomomethane	50	< 0.3	< 0.15	< 0.14	< 0.14	< 0.3	< 0.15	< 0.14	< 0.14
Trichloroethylene	5	< 0.32	0.525	1.54	2.22	0.402	1.49	1.13	1.82
Vinyl Chloride	2	< 0.56	< 0.46	0.816	< 0.26	< 0.56	0.502	< 0.26	< 0.26

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 2009, Former Kings Electronics Co., Inc. Site Tuckahoe, New York.

	Location ID	GP-103R				MW-13R			
	Lab Sample ID	GP-103R_E08-12330-007	GP-103R_E09-00763-011	GP-103R_E09-03980-004	GP-103R_E09-07112-004	MW-13R_E08-12330-012	MW-13_E09-00763-009	MW-13R_E09-03980-002	MW-13R_E09-07112-008
	Sample Date	10/23/2008	1/22/2009	4/22/2009	7/16/2009	10/22/2008	1/21/2009	4/21/2009	7/15/2009
Compound	SCGs								
1,1,1-Trichloroethane	5	< 0.43	< 0.36	< 0.23	< 0.23	< 0.43	< 0.36	< 0.23	< 0.23
1,1,2,2-Tetrachloroethane	5	< 0.14	< 0.17	< 0.12	< 0.12	< 0.14	< 0.17	< 0.12	< 0.12
1,1,2-Trichloroethane	1	< 0.36	< 0.15	< 0.15	< 0.15	< 0.36	< 0.15	< 0.15	< 0.15
1,1-Dichloroethane	5	0.418	< 0.21	< 0.23	< 0.23	0.61	0.86	0.792	< 0.23
1,1-Dichloroethylene	5	< 0.42	< 0.53	< 0.61	< 0.61	< 0.42	< 0.53	< 0.61	< 0.61
1,2-Dichlorobenzene	3	< 0.28	< 0.23	< 0.15	< 0.15	< 0.28	< 0.23	< 0.15	< 0.15
1,2-Dichloroethane	0.6	< 0.28	< 0.19	< 0.21	< 0.21	< 0.28	< 0.19	< 0.21	< 0.21
1,2-Dichloropropane	1	< 0.21	< 0.16	< 0.2	< 0.2	< 0.21	< 0.16	< 0.2	< 0.2
1,4-Dichlorobenzene	3	< 0.28	< 0.25	< 0.16	< 0.16	< 0.28	< 0.25	< 0.16	< 0.16
2-Chloroethyl Vinyl Ether	---	< 0.63	< 1.04	< 0.99	< 0.99	< 0.63	< 1.04	< 0.99	< 0.99
Acrolein	---	< 1.87	< 2.57	< 4.34	< 4.34	< 1.87	< 2.57	< 4.34	< 4.34
Acrylonitrile	---	< 1.19	< 0.74	< 0.95	< 0.95	< 1.19	< 0.74	< 0.95	< 0.95
Benzene	1	< 0.29	< 0.17	< 0.21	< 0.21	< 0.29	< 0.17	< 0.21	< 0.21
Bromodichloromethane	50	< 0.21	< 0.18	< 0.12	< 0.12	< 0.21	< 0.18	< 0.12	< 0.12
Bromomethane	5	< 0.51	< 0.37	< 0.36	< 0.36	< 0.51	< 0.37	< 0.36	< 0.36
Carbon Tetrachloride	5	< 0.45	< 0.3	< 0.16	< 0.16	< 0.45	< 0.3	< 0.16	< 0.16
CFC-11	5	< 0.6	< 0.74	< 0.23	< 0.23	< 0.6	< 0.74	< 0.23	< 0.23
Chlorobenzene	5	< 0.27	< 0.2	< 0.2	< 0.2	< 0.27	< 0.2	< 0.2	< 0.2
Chlorodibromomethane	50	< 0.25	< 0.16	< 0.16	< 0.16	< 0.25	< 0.16	< 0.16	< 0.16
Chloroethane	5	< 0.71	< 0.64	< 0.29	< 0.29	< 0.71	< 0.64	< 0.29	< 0.29
Chloroform	7	< 0.29	< 0.14	< 0.17	< 0.17	< 0.29	< 0.14	< 0.17	< 0.17
Chloromethane	5	< 0.51	< 0.18	< 0.23	< 0.23	< 0.51	< 0.18	< 0.23	< 0.23
cis-1,2-Dichloroethene	5	6.31	0.579	3.22	< 0.2	0.647	1.85	0.853	0.721
cis-1,3-Dichloropropene	0.4	< 0.2	< 0.24	< 0.15	< 0.15	< 0.2	< 0.24	< 0.15	< 0.15
Dichloromethane	5	< 1.98	< 1.98	< 1.98	< 1.98	< 1.98	< 1.98	< 1.98	< 1.98
Ethylbenzene	5	< 0.33	< 0.27	< 0.19	< 0.19	< 0.33	< 0.27	< 0.19	< 0.19
m-Dichlorobenzene	3	< 0.32	< 0.23	< 0.17	< 0.17	< 0.32	< 0.23	< 0.17	< 0.17
Methylbenzene	5	< 0.34	< 0.23	< 0.2	< 0.2	< 0.34	< 0.23	< 0.2	< 0.2
Tetrachloroethene	5	< 0.38	< 0.33	< 0.19	< 0.19	< 0.38	< 0.33	< 0.19	< 0.19
Total Xylenes	5	< 0.98	< 0.79	< 0.44	< 0.44	< 0.98	< 0.79	< 0.44	< 0.44
trans-1,2-Dichloroethene	5	0.468	< 0.25	1.8	< 0.19	< 0.45	< 0.25	< 0.19	< 0.19
trans-1,3-Dichloropropene	0.4	< 0.13	< 0.32	< 0.27	< 0.27	< 0.13	< 0.32	< 0.27	< 0.27
Tribomomethane	50	< 0.3	< 0.15	< 0.14	< 0.14	< 0.3	< 0.15	< 0.14	< 0.14
Trichloroethylene	5	0.585	< 0.19	0.323	0.285	1.62	1.62	1.18	0.862
Vinyl Chloride	2	35.2	0.763	10.9	< 0.26	< 0.56	2.73	0.546	< 0.26

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

Table 2. Volatile Organic Compound Results for Upgadient Groundwater Monitoring Well MW-6S, October 2008 to July 2009, 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
	Sample Date	10/23/2008	1/20/2009	4/21/2009	7/15/2009
Compound	SCGs				
1,1,1-Trichloroethane	5	4.22	5.1	6.31	< 0.23
1,1,2,2-Tetrachloroethane	5	< 0.14	< 0.17	< 0.12	< 0.12
1,1,2-Trichloroethane	1	< 0.36	< 0.15	< 0.15	< 0.15
1,1-Dichloroethane	5	< 0.34	0.417	0.382	< 0.23
1,1-Dichloroethylene	5	< 0.42	< 0.53	< 0.61	1.55
1,2-Dichlorobenzene	3	< 0.28	< 0.23	< 0.15	< 0.15
1,2-Dichloroethane	0.6	< 0.28	< 0.19	< 0.21	< 0.21
1,2-Dichloropropane	1	< 0.21	< 0.16	< 0.2	< 0.2
1,4-Dichlorobenzene	3	< 0.28	< 0.25	< 0.16	< 0.16
2-Chloroethyl Vinyl Ether	---	< 0.63	< 1.04	< 0.99	< 0.99
Acrolein	---	< 1.87	< 2.57	< 4.34	< 4.34
Acrylonitrile	---	< 1.19	< 0.74	< 0.95	< 0.95
Benzene	1	< 0.29	< 0.17	< 0.21	< 0.21
Bromodichloromethane	50	< 0.21	< 0.18	< 0.12	< 0.12
Bromomethane	5	< 0.51	< 0.37	< 0.36	< 0.36
Carbon Tetrachloride	5	< 0.45	< 0.3	< 0.16	< 0.16
CFC-11	5	< 0.6	< 0.74	< 0.23	< 0.23
Chlorobenzene	5	< 0.27	< 0.2	< 0.2	< 0.2
Chlorodibromomethane	50	< 0.25	< 0.16	< 0.16	< 0.16
Chloroethane	5	< 0.71	< 0.64	< 0.29	< 0.29
Chloroform	7	< 0.29	< 0.14	< 0.17	< 0.17
Chloromethane	5	< 0.51	< 0.18	< 0.23	< 0.23
cis-1,2-Dichloroethene	5	< 0.32	< 0.19	< 0.2	< 0.2
cis-1,3-Dichloropropene	0.4	< 0.2	< 0.24	< 0.15	< 0.15
Dichloromethane	5	< 1.98	< 1.98	< 1.98	< 1.98
Ethylbenzene	5	< 0.33	< 0.27	< 0.19	< 0.19
m-Dichlorobenzene	3	< 0.32	< 0.23	< 0.17	< 0.17
Methylbenzene	5	< 0.34	< 0.23	< 0.2	< 0.2
Tetrachloroethene	5	3.23	5.55	3.54	5.48
Total Xylenes	5	< 0.98	< 0.79	< 0.44	< 0.44
trans-1,2-Dichloroethene	5	< 0.45	< 0.25	< 0.19	< 0.19
trans-1,3-Dichloropropene	0.4	< 0.13	< 0.32	< 0.27	< 0.27
Tribomomethane	50	< 0.3	< 0.15	< 0.14	< 0.14
Trichloroethylene	5	24.1	43.3	33.9	37.3
Vinyl Chloride	2	< 0.56	< 0.46	< 0.26	< 0.26

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 2009, 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)	10/6/2009 Depth to Water (ft bmp)	10/6/2009 Groundwater Elevation[1] (ft)
Shallow Overburden Wells											
MW-1	100.50	---	---	9.41	91.09	---	---	---	---	---	---
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	11.94	90.06
MW-HP-8S	101.00	---	---	9.49	91.51	---	---	---	---	---	---
MW-9S	100.20	11.49	88.71	9.23	90.97	10.45	89.75	9.53	90.67	10.62	89.58
MW-13R	97.50	14.06	83.44	12.21	85.29	13.26	84.24	12.24	85.26	13.37	84.13
GP-103R	94.40	6.81	87.59	5.67	88.73	5.22	89.18	4.88	89.52	6.86	87.54
GP-104R	94.20	6.35	87.85	4.17	90.03	5.69	88.51	4.40	89.80	5.38	88.82
PTW-1	99.90	---	---	9.74	90.16	---	---	---	---	---	---
PTW-2	99.90	11.98	87.92	9.76	90.14	10.77	89.13	10.02	89.88	9.96	89.94
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	10.88	89.32
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	---	---	---	---	---	---

[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-remedialmonitoring wells each quarter

Table 4. Post-Remedial On-Site Performance Groundwater Monitoring and Maintenance Schedule, Former Kings Electronics Co., Inc. Site, Tuckahoe, New York

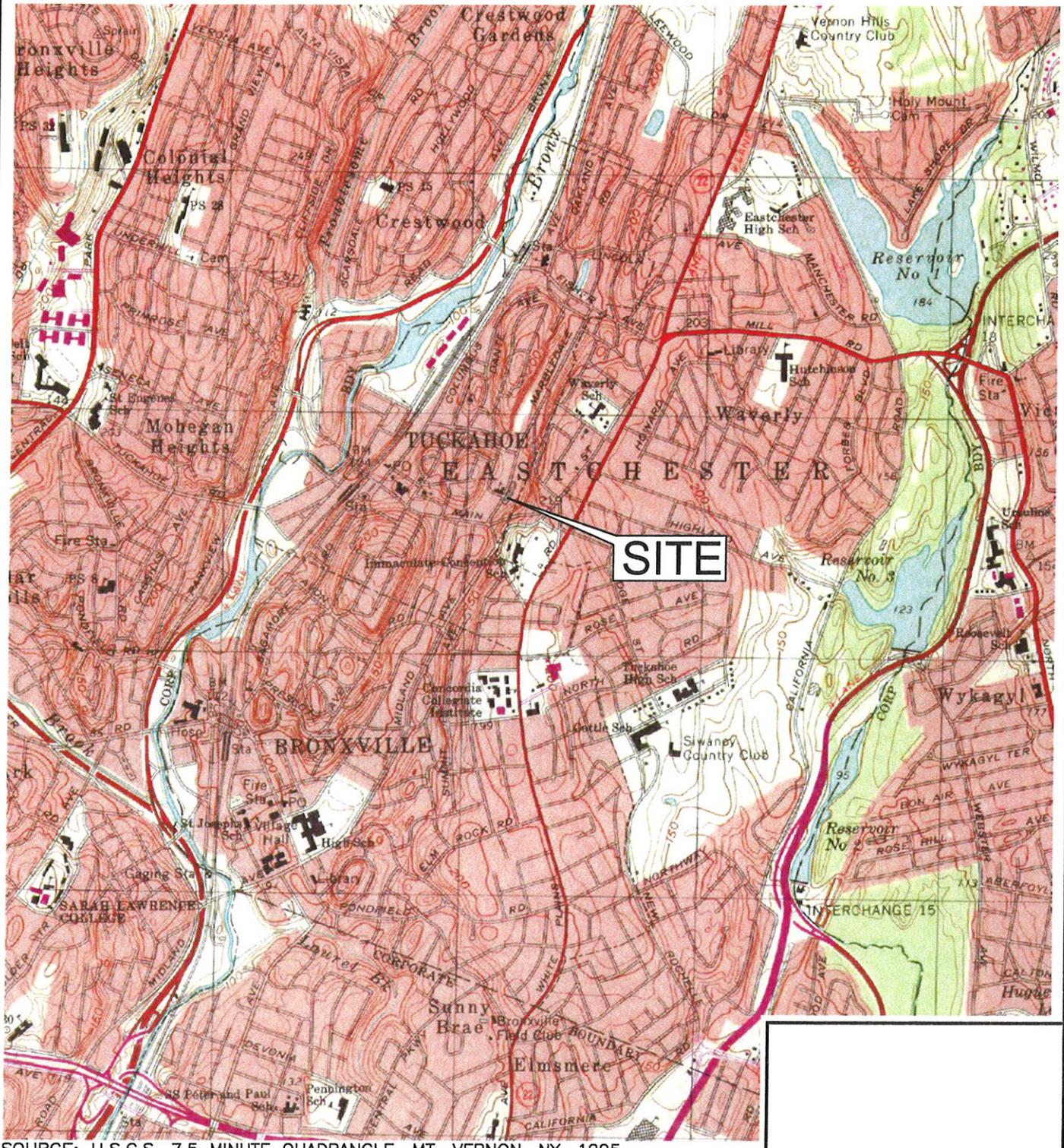
	On-Site Performance Groundwater Monitoring for Post-Remedial Period		Well Integrity Assessment[1]
Period	Quarterly	Quarterly	Annual
Parameters	Water Level	VOCs, Field Parameters[2]	Water Level, Depth to Bottom
Monitoring Wells	MW-6S MW-9S MW-9D PTW-2 GP-104R GP-103R MW-13R	MW-6S MW-9S MW-9D PTW-2 GP-104R GP-103R MW-13R	MW-6S MW-9S MW-9D PTW-2 GP-104R GP-103R MW-13R All Injection Wells[3]

VOCs: Volatile Organic Compounds

[1] Physical inspection as per Monitoring Well Integrity Survey SOP. Well Integrity Assessment Form will also be completed.

[2] Field parameters for groundwater include pH, specific conductivity, temperature, turbidity, dissolved oxygen, and redox potential.

[3] Injection wells include 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-12, IW-13, IW-14, IW-15R, MW-7S and IW-16.



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

QUADRANGLE LOCATION

0 2000' 4000'

GRAPHIC SCALE

N

Professional Engineer's
MOH MOHIUDDIN

P.E.'s Number	State	Date Signed
074527	NY	

ARCADIS

ARCADIS OF NEW YORK, INC.

FORMER KINGS ELECTRONICS SITE • TUCKAHOE, NEW YORK

POST-REMEDIAL ANNUAL REPORT AND PROJECT EVALUATION FOR ON-SITE GROUNDWATER - YEAR 1

SITE LOCATION

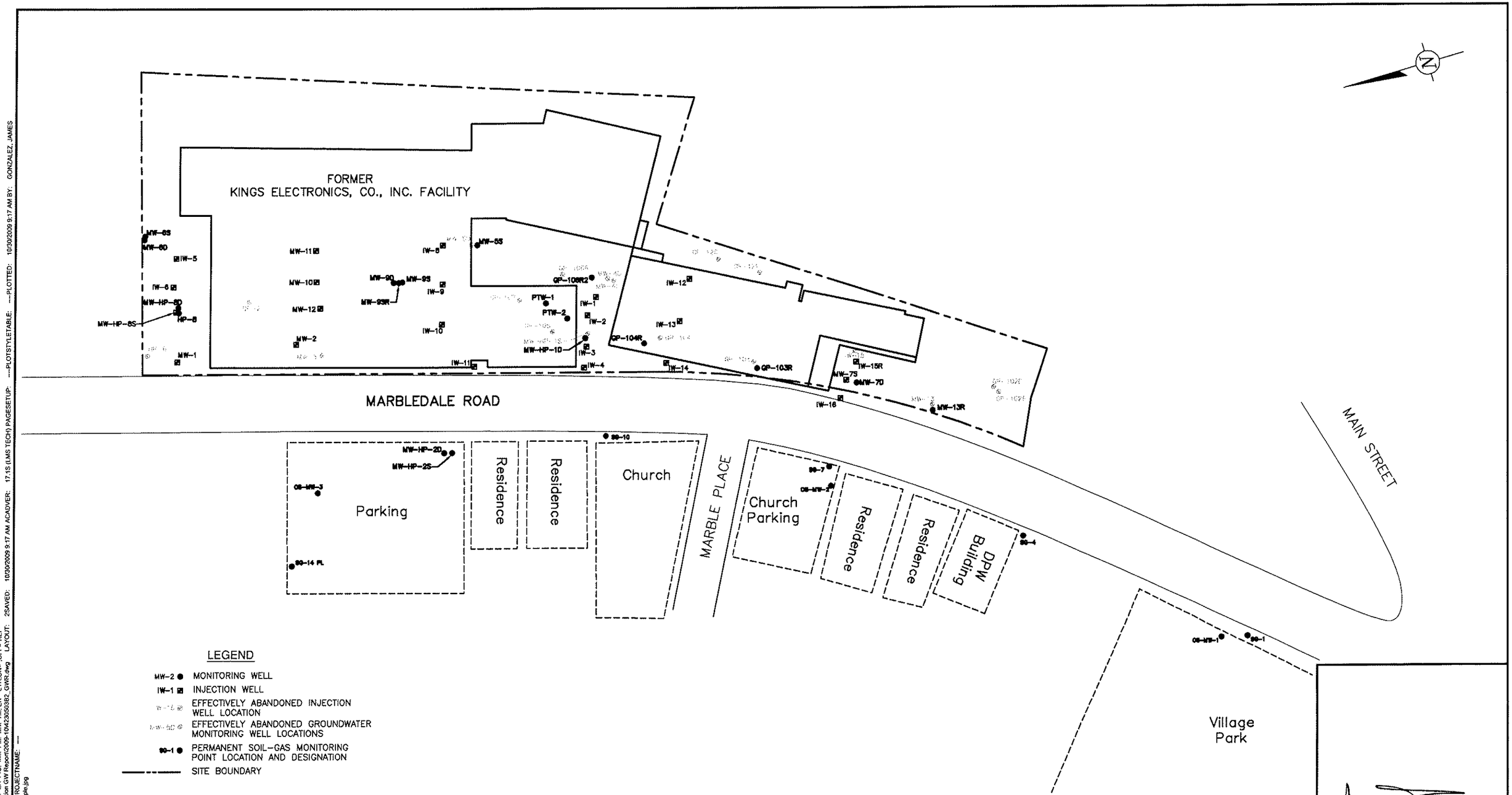
ENVIRONMENTAL

ARCADIS Project No.
NJ00423.0005.00003

Date
10/28/09

ARCADIS
RARITAN PLAZA III
105 FIELDCREST AVE, SUITE 305
EDISON, NJ 08837
TEL. 732.225.5061

1



LEGEND

- MW-2 ● MONITORING WELL
- IW-1 ▣ INJECTION WELL
- EFFECTIVELY ABANDONED INJECTION WELL LOCATION
- 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".

Professional Engineer
MOH MOHIUDDIN

P.E.'s Number	State	Date Signed
074527	NY	.

0 60' 120'
GRAPHIC SCALE

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

THIS DRAWING IS THE PROPERTY OF THE ARCADIS ENTITY IDENTIFIED IN THE TITLE BLOCK AND MAY NOT BE REPRODUCED OR ALTERED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAME.

Project Mgr: MM
Designed by: ER
Drawn by: JG
Checked by: PL

ARCADIS
ARCADIS OF NEW YORK, INC.

FORMER KINGS ELECTRONICS SITE • TUCKAHOE, NEW YORK
POST-REMEDIAL ANNUAL REPORT AND PROJECT EVALUATION FOR ON-SITE GROUNDWATER - YEAR 1

SITE PLAN

ENVIRONMENTAL

ARCADIS Project No.: NJ000423.0005.00003
Date: 10/28/09
ARCADIS
RARITAN PLAZA III
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TEL. 732.225.5061

2

CITY: MAHWAH DIV/GROUP: ENVCAD DB: JG LD: ER PIC: MM PM: MM TM: ER LYR:ON=*;OFF=*REF*
G:\Drafting\Kings\NJ000423\0005\00003\Post Remediation GW Report\2009-10\423005382_GWR.dwg LAYOUT: 2SAVED: 10/29/2009 9:17 AM ACADVER: 17.1S (LMS TECH)
PLOTSTYLETABLE: ---PLOTTED: 10/30/2009 9:17 AM BY: GONZALEZ, JAMES
(LMS TECH) PAGESETUP: ---
XREFS: 4230503X2 XBSR-C-LB
IMAGES: geovision example.jpg survey map.jpg
PROJECTNAME: ---

MW-9D				
Sample Date	10/21/2008	1/21/2009	4/22/2009	7/15/2009
VOCs (ug/L)				
1,1-Dichloroethane	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND

MW-9S				
Sample Date	10/21/2008	1/21/2009	4/22/2009	7/15/2009
VOCs (ug/L)				
1,1-Dichloroethane	0.52	0.628	0.877	ND
1,2-Dichloroethane	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.668	0.64	0.657	0.564
trans-1,2-Dichloroethene	0.882	ND	1.31	ND
1,1-Dichloroethylene	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND
Vinyl Chloride	0.861	0.852	0.757	ND

PTW-2				
Sample Date	10/23/2008	1/22/2009	4/21/2009	7/16/2009
VOCs (ug/L)				
1,1-Dichloroethane	0.657	1.69	1.88	0.576
1,2-Dichloroethane	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.395	ND	1.31	1.76
trans-1,2-Dichloroethene	ND	ND	0.717	ND
1,1-Dichloroethylene	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethylene	ND	0.525	1.54	2.22
Vinyl Chloride	ND	ND	0.816	ND

GP-103R				
Sample Date	10/23/2008	1/22/2009	4/22/2009	7/16/2009
VOCs (ug/L)				
1,1-Dichloroethane	0.418	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
cis-1,2-Dichloroethene	6.31	0.579	3.22	ND
trans-1,2-Dichloroethene	0.468	ND	1.8	ND
1,1-Dichloroethylene	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethylene	0.585	ND	0.323	0.285
Vinyl Chloride	35.2	0.763	10.9	ND

MW-6S				
Sample Date	10/23/2008	1/20/2009	4/21/2009	7/15/2009
VOCs (ug/L)				
1,1-Dichloroethane	ND	0.417	0.382	ND
1,2-Dichloroethane	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	1.55
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene	3.23	5.55	3.54	5.48
1,1,1-Trichloroethane	4.22	5.1	6.31	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethylene	24.1	43.3	33.9	37.3
Vinyl Chloride	ND	ND	ND	ND

GP-104R				
Sample Date	10/23/2008	1/22/2009	4/22/2009	7/16/2009
VOCs (ug/L)				
1,1-Dichloroethane	0.573	1.48	0.789	ND
1,2-Dichloroethane	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.589	1.58	1.16	1.64
trans-1,2-Dichloroethene	0.459	1.19	0.759	ND
1,1-Dichloroethylene	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethylene	0.402	1.49	1.13	1.82
Vinyl Chloride	ND	0.502	ND	ND

MW-13R				
Sample Date	10/22/2008	1/21/2009	4/21/2009	7/15/2009
VOCs (ug/L)				
1,1-Dichloroethane	0.61	0.86	0.877	0.552
1,2-Dichloroethane	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.647	1.85	0.892	0.721
trans-1,2-Dichloroethene	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethylene	1.62	1.62	1.21	0.862
Vinyl Chloride	ND	2.73	0.546	ND

KINGS ELECTRONICS, CO., INC. FACILITY

MARBLEDALE ROAD

MAIN STREET

MARBLE PLACE

Parking

Residence

Residence

Church

Church Parking

Residence

Residence

DPW 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' 120'

GRAPHIC SCALE

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

Project Mgr: MM
Designed by: ER
Drawn by: JG
Checked by: PL

ARCADIS

ARCADIS OF NEW YORK, INC.

FORMER KINGS ELECTRONICS SITE • TUCKAHOE, NEW YORK

POST-REMEDIAL ANNUAL REPORT AND PROJECT EVALUATION FOR ON-SITE GROUNDWATER - YEAR 1

SUMMARY OF CVOCs IN GROUNDWATER OCTOBER 2008 – JULY 2009

ENVIRONMENTAL

Professional Engineer
MOH MOHIUDDIN

P.E.'s Number	State	Date Signed
074527	NY	

ARCADIS Project No.
NJ000423.0005.00001

Date
10/28/09

ARCADIS
RARITAN PLAZA III
105 FIELDCREST AVE, SUITE 305
EDISON, NJ 08837
TEL. 732.225.5061

3

FORMER
KINGS ELECTRONICS, CO., INC. FACILITY

MARBLEDALE ROAD

MAIN STREET

MARBLE PLACE

Church

Parking

Residence

Residence

Church Parking

Residence

Residence

DPW Building

Village Park

(91.63) MW-6S
MW-6D
IW-5
IW-6
MW-HP-8D
MW-HP-8S (91.51)
HP-8
MW-1 (91.09)
MW-11
MW-10
MW-12
MW-2
MW-9D
(90.97) MW-9S
MW-9SR
IW-9
IW-8
IW-10
IW-11
(90.64) MW-5S
GP-106R2
(90.16) PTW-1
(90.14) PTW-2
W-1
W-2
MW-HP-1D
IW-3
IW-4
IW-14
MW-14
(90.03) GP-104R
IW-12
IW-13
GP-103R (88.73)
IW-15R
MW-7S
MW-7D
IW-16
MW-13R (85.29)
SG-10
MW-HP-2D
MW-HP-2S (90.39)
(90.77) OS-MW-3
SG-14 PL
SG-7
(86.81) OS-MW-2
SG-4
OS-MW-1 (83.27)
SG-1

91 90 89 88 87 86 85 84

LEGEND

- MW-9S ● MONITORING WELL
- IW-10 ■ INJECTION WELL
- EFFECTIVELY ABANDONED GROUNDWATER MONITORING WELL LOCATIONS
- SG-1 ● PERMANENT SOIL-GAS MONITORING POINT LOCATION AND DESIGNATION
- 84 GROUNDWATER ELEVATION CONTOUR
- (91.63) 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".

Professional Engineer
MOH MOHIUDDIN

P.E.'s Number	State	Date Signed
074527	NY	

0 60' 120'
GRAPHIC SCALE

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

Project Mgr: MM
Designed by: ER
Drawn by: JG
Checked by: PL

ARCADIS
ARCADIS OF NEW YORK, INC.

FORMER KINGS ELECTRONICS SITE • TUCKAHOE, NEW YORK
POST-REMEDIAL ANNUAL REPORT AND PROJECT EVALUATION FOR ON-SITE GROUNDWATER - YEAR 1

GROUNDWATER CONTOUR MAP
JANUARY 2009 - SHALLOW OVERBURDEN

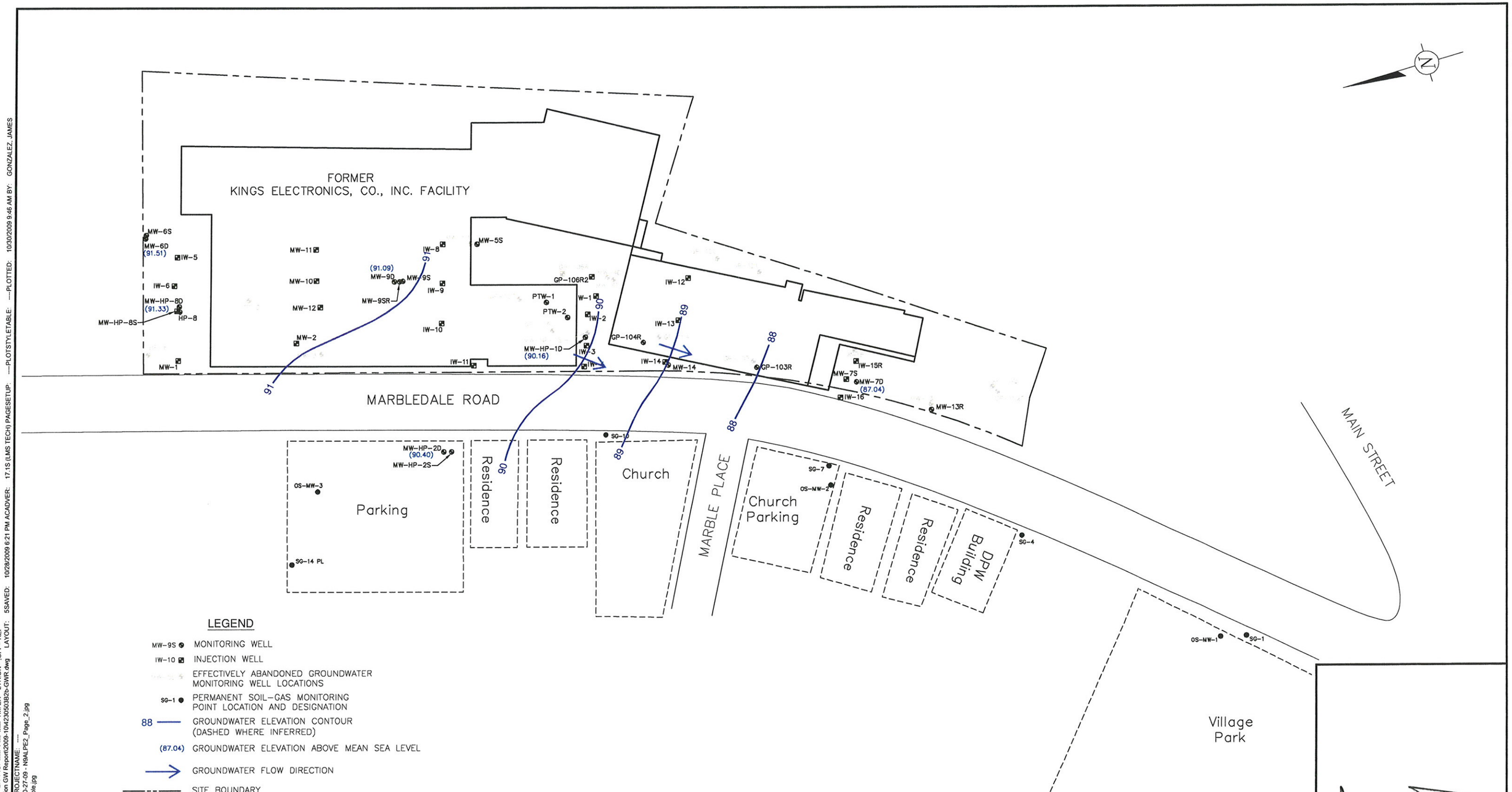
ENVIRONMENTAL

ARCADIS Project No.
NJ000423.0005.00003

Date
10/28/09

ARCADIS
RARITAN PLAZA III
105 FIELDCREST AVE, SUITE 305
EDISON, NJ 08837
TEL. 732.225.5061

4



LEGEND

- MW-9S ⊕ MONITORING WELL
- IW-10 ■ INJECTION WELL
- EFFECTIVELY ABANDONED GROUNDWATER MONITORING WELL LOCATIONS
- SG-1 ● PERMANENT SOIL-GAS MONITORING POINT LOCATION AND DESIGNATION
- 88 —— GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (87.04) GROUNDWATER ELEVATION ABOVE MEAN SEA LEVEL
- → GROUNDWATER FLOW DIRECTION
- —— SITE BOUNDARY

SOURCE(S): PARTIAL PLOT PLAN, KINGS ELECTRONICS, BY ROB IARDPOLI, 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'.

Professional Engineer
MOH MOHIUDDIN

P.E.'s Number	State	Date Signed
074527	NY	.

0 60' 120'
GRAPHIC SCALE

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING:

USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

Project Mgr: MM
Designed by: ER
Drawn by: JG
Checked by: PL

ARCADIS
ARCADIS OF NEW YORK, INC.

FORMER KINGS ELECTRONICS SITE • TUCKAHOE, NEW YORK
POST-REMEDIAL ANNUAL REPORT AND PROJECT EVALUATION FOR ON-SITE GROUNDWATER - YEAR 1

GROUNDWATER CONTOUR MAP JANUARY 2009 - DEEP OVERBURDEN

ENVIRONMENTAL

ARCADIS Project No.: NJ000423.0005.00003
Date: 10/28/09

ARCADIS
RARITAN PLAZA III
105 FIELDCREST AVE, SUITE 305
EDISON, NJ 08837
TEL. 732.225.5061

5

CITY: MAHWAH DIV/GROUP: ENVCAD DB: JG LD: ER PIC: MM PM: MM TM: ER LYR:ON=*;OFF=*REF*
G:\Drafting\Kings\NJ000423\0000500003\Post Remediation GW Report\2009-10\423050302b-GWR.dwg LAYOUT: 5SAVED: 10/28/2009 6:21 PM ACADVER: 17.1S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: ---PLOTTED: 10/30/2009 9:46 AM BY: GONZALEZ, JAMES
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X6BDR-C-LB groundwater sample.jpg
survey map.jpg

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Appendix A

Groundwater Sampling Forms

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-6S
Date	10/23/2008	**Sampled By**	D. Kirschner		
Sampling Time	10:23	**Recorded By**	D. Kirschner		
Weather	Sun, 40's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine #03629, YSI Pine # 03118 SN# 02A0841 AH, Pine # 0955 SN# 01E0374 AC LaMotte 2020C Pine # 6540 SN# SN-ME-10321

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)**		15.0'			
Depth to Water (ft bmp)	12.93	**Purge Time**	**Start**	9:30	**Finish**	10:25	

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)
9:35	5	200	0.25	10.05	7.09	0.833	166	9.45	600	12.93
9:40	10	200	0.25	15.64	6.9	0.868	154.3	5.82	360	12.93
9:45	15	200	0.25	16.47	6.82	0.923	138.8	5.41	70	12.93
9:50	20	200	0.25	16.67	6.79	0.946	130.1	5.33	37	12.95
9:55	25	200	0.25	16.77	6.78	0.963	122.3	5.26	31	12.95
10:00	30	200	0.25	16.86	6.76	0.983	118	5.19	25	12.95
10:05	35	200	0.25	16.97	6.75	0.984	114.7	5.2	23	12.95
10:10	40	200	0.25	17.05	6.75	1.008	111.6	5.09	14	12.95
10:15	45	200	0.25	17.08	6.74	1.015	110.5	5.08	10	12.95
10:20	50	200	0.25	17.1	6.73	1.019	109	5.06	9.8	12.95

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~3 gallons

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-9S
Date	10/21/2008	**Sampled By**	V. Myers		
Sampling Time	12:52	**Recorded By**	V. Myers		
Weather	Sun, 60's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine #03629, YSI Pine # 03118 SN# 02A0841 AH, Pine # 0955 SN# 01E0374 AC LaMotte 2020C Pine # 6540 SN# SN-ME-10321

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)	19.45	**Pump Intake Depth (ft bmp)**		18.0'		
Depth to Water (ft bmp)	12.49	**Purge Time**	**Start**	12:20	**Finish**	12:55

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)
12:25	5	200	0.25	17.54	6.67	1.151	-94.5	5.64	5.93	11.52
12:30	10	200	0.25	17.35	6.67	1.231	-115.5	3.27	---	11.53
12:35	15	200	0.25	17.42	6.68	1.241	-121.8	2.20	4.10	11.55
12:40	20	200	0.25	17.54	6.69	1.237	-117.4	1.78	4.04	11.55
12:45	25	200	0.25	17.61	6.68	1.239	-188.2	1.69	4.26	11.55
12:50	30	200	0.25	17.63	6.66	1.242	-116.9	1.70	4.20	11.55
12:55	35	200	0.25	17.64	6.66	1.243	-116.4	1.78	4.20	11.55

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-9D
Date	10/21/2008	**Sampled By**	D. Kirschner		
Sampling Time	12:53	**Recorded By**	D. Kirschner		
Weather	Indoors	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine #03629, YSI Pine # 03118 SN# 02A0841 AH, Pine # 0955 SN# 01E0374 AC LaMotte 2020C Pine # 6540 SN# SN-ME-10321

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)	39.07	**Pump Intake Depth (ft bmp)**		35.0'		
Depth to Water (ft bmp)	11.83	**Purge Time**	**Start**	12:20	**Finish**	12:55

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)
12:25	5	200	0.25	17.69	6.74	1.039	-35.9	3.56	15.9	11.84
12:30	10	200	0.25	16.6	6.42	1.071	-75.3	1.43	9.11	11.87
12:35	15	200	0.25	16016	6.38	1.064	-79.1	1.22	5.18	11.87
12:40	20	200	0.25	16.13	6.37	1.063	-79.4	1.22	2.44	11.87
12:45	25	200	0.25	16.07	6.38	1.061	-79.6	1.21	1.39	11.87
12:50	30	200	0.25	16.03	6.38	1.058	-77.2	1.21	1.43	11.87

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-13R
Date	10/2202008	**Sampled By**	V. Myers		
Sampling Time	9:42	**Recorded By**	V. Myers		
Weather	Sun, 60's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine #03629, YSI Pine # 03118 SN# 02A0841 AH, Pine # 0955 SN# 01E0374 AC LaMotte 2020C Pine # 6540 SN# SN-ME-10321

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)	19.49	**Pump Intake Depth (ft bmp)**		15.0'		
Depth to Water (ft bmp)	14.11	**Purge Time**	**Start**	9:00	**Finish**	9:45

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)
9:05	5	200	0.25	16.54	6.51	1.910	-58.6	5.10	55.00	14.11
9:10	10	200	0.25	17.65	2.97	2.083	-13.1	2.91	17.40	14.11
9:15	15	200	0.25	17.91	6.47	2.067	6.7	2.44	5.50	14.11
9:20	20	200	0.25	17.92	6.46	2.041	14.7	2.31	3.51	14.11
9:25	25	200	0.25	17.96	6.46	2.014	24.3	2.28	2.10	14.11
9:30	30	200	0.25	17.96	6.46	2.008	27.4	2.25	0.89	14.11
9:35	35	200	0.25	17.92	6.46	1.991	33.2	2.14	1.20	14.11
9:40	40	200	0.25	17.95	6.45	1.986	34.6	2.14	0.96	14.11

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	PTW-2
Date	10/23/2008	**Sampled By**	D. Kirschner		
Sampling Time	12:37	**Recorded By**	D. Kirschner		
Weather	Indoors	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine #03629, YSI Pine # 03118 SN# 02A0841 AH, Pine # 0955 SN# 01E0374 AC LaMotte 2020C Pine # 6540 SN# SN-ME-10321

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)	16.51	**Pump Intake Depth (ft bmp)**		15.0'		
Depth to Water (ft bmp)	12.03	**Purge Time**	**Start**	12:05	**Finish**	12:40

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)
12:10	5	300	0.26	16.52	6.56	0.885	-62.9	3.42	30.00	12.03
12:15	10	300	0.26	17.68	6.54	0.914	-102.9	0.89	12.00	12.05
12:20	15	300	0.26	17.88	6.53	0.965	-113.9	0.78	11.00	12.07
12:25	20	300	0.26	17.95	6.52	1.013	-114.7	0.73	7.40	12.07
12:30	25	300	0.26	17.98	6.52	1.039	-122.4	0.72	5.10	12.07
12:35	30	300	0.26	17.99	6.51	1.043	-125.3	0.72	4.50	12.07

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	GP-103R
Date	10/23/2008	**Sampled By**	V. Myers		
Sampling Time	10:52	**Recorded By**	V. Myers		
Weather	Sun, 60's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine #03629, YSI Pine # 03118 SN# 02A0841 AH, Pine # 0955 SN# 01E0374 AC LaMotte 2020C Pine # 6540 SN# SN-ME-10321

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)	14.81	**Pump Intake Depth (ft bmp)**		10.0'		
Depth to Water (ft bmp)	6.91	**Purge Time**	**Start**	9:20	**Finish**	10:56

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)
9:25	5	200	0.25	14.52	6.80	1.145	-130.8	2.98	19.00	6.91
9:30	10	200	0.25	15.55	6.84	1.195	-138.3	2.35	7.38	6.92
9:35	15	200	0.25	15.71	6.82	1.211	-136.4	2.50	5.36	6.92
9:40	20	200	0.25	15.75	6.81	1.241	-136.3	2.33	4.46	6.92
9:45	25	200	0.25	15.79	6.80	1.220	-136.4	2.28	4.64	6.92
9:50	30	200	0.25	15.82	6.80	1.225	-134.7	2.26	3.82	6.92

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	GP-104R
Date	10/23/2008	**Sampled By**	V. Myers		
Sampling Time	13:04	**Recorded By**	V. Myers		
Weather	Sun, 60's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine #03629, YSI Pine # 03118 SN# 02A0841 AH, Pine # 0955 SN# 01E0374 AC LaMotte 2020C Pine # 6540 SN# SN-ME-10321

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)	14.9	**Pump Intake Depth (ft bmp)**	13.0'			
Depth to Water (ft bmp)	6.43	**Purge Time**	**Start** 11:35	**Finish**	11:55	

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	0.25	17.47	6.82	1.572	-96.9	2.94	132.00	6.43
11:45	10	200	0.25	17.81	6.81	1.648	-102.1	3.24	98.90	6.43
11:50	15	200	0.25	17.91	6.78	1.601	-117.6	3.20	64.00	6.43
11:55	20	200	0.25	17.97	6.73	1.492	-134.5	3.30	15.20	6.43
Battery dead, pump is off										
12:50	90	200	0.25	17.88	6.69	1.425	-112.8	2.57	21.00	6.43
12:55	95	200	0.25	18.04	6.69	1.419	-138.2	4.24	6.40	6.43
13:00	100	200	0.25	18.04	6.69	1.418	-137.0	2.40	5.12	6.43
13:05	105	200	0.25	18.04	6.69	1.413	-138.5	2.35	4.53	6.43

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-6S
Date	1/20/2009	**Sampled By**	C. Laprus		
Sampling Time	13:17	**Recorded By**	C. Laprus		
Weather	20's Sun	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Solinist, YSI, LaMotte 2020

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)	10.35	**Pump Intake Depth (ft bmp)**	15.0'			
Depth to Water (ft bmp)	9.2	**Purge Time**	**Start** 10:40	**Finish**	11:20	

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)
12:50	5	200	0.25	13.70	7.25	0.801	-38.4	7.44	14.60	10.37
12:55	10	200	0.25	14.49	7.25	0.857	-40.0	8.78	3.78	10.37
13:00	15	200	0.25	14.61	7.20	0.884	-37.1	8.65	2.50	10.37
13:05	20	200	0.25	14.65	7.17	0.896	-35.6	8.47	1.01	10.37
13:10	25	200	0.25	14.59	7.14	0.902	-33.8	8.28	0.98	10.37
13:15	30	200	0.25	14.57	7.12	0.899	-32.8	8.17	1.01	10.37

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~3 gallons

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Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-9D
Date	1/21/2009	**Sampled By**	C. Laprus		
Sampling Time	14:11	**Recorded By**	C. Laprus		
Weather	Indoors	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Solinist, YSI, LaMotte 2020

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)	39.05	**Pump Intake Depth (ft bmp)**		35.0'		
Depth to Water (ft bmp)	9.52	**Purge Time**	**Start**	13:30	**Finish**	14:13

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)
13:35	5	200	0.25	16.78	6.83	0.985	-111.2	0.90	5.35	9.61
13:40	10	200	0.25	16.99	6.79	0.991	-112.1	0.41	1.19	9.58
13:45	15	200	0.25	17.06	6.78	0.991	-111.5	0.75	0.11	9.59
13:50	20	200	0.25	16.79	6.77	0.956	-115.6	0.20	0.09	9.59
13:55	25	200	0.25	16.25	6.77	0.970	-117.0	0.22	0.10	9.63
14:00	30	200	0.25	15.86	6.77	0.968	-116.8	0.10	0.11	9.64
14:05	35	200	0.25	15.75	6.75	0.958	-117.2	0.10	0.08	9.64
14:10	40	200	0.25	15.73	6.74	0.961	-117.4	0.09	0.10	9.64

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

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Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-9SR
Date	1/21/2009	**Sampled By**	C. Laprus		
Sampling Time	10:42	**Recorded By**	C. Laprus		
Weather	Indoors	**Coded Replicate No.**	DUP(092109)		

Instrument Identification

Water Quality Meter(s) Solinist, YSI, LaMotte 2020

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)	20.00	**Pump Intake Depth (ft bmp)**		18.0'		
Depth to Water (ft bmp)	9.30	**Purge Time**	**Start**	9:35	**Finish**	10:29

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)
10:15	5	200	0.25	3.45	6.62	1.27	-133.8	0.52	3.45	9.35
10:20	10	200	0.25	1.73	6.56	1.297	-125.9	0.27	1.73	9.35
10:25	15	200	0.25	1.04	6.52	1.301	-122.2	0.18	1.04	9.35
10:30	20	200	0.25	1.14	6.52	1.302	-121.9	0.13	1.14	9.35
10:35	25	200	0.25	1.12	6.52	1.304	-120.8	0.13	1.12	9.35
10:40	30	200	0.25	1.09	6.52	1.306	-119.9	0.14	1.09	9.35

Collected Sample Condition **Color** N/C **Odor** N/C **Appearance** N/C

Parameter	Container	No.	Preservative
VOCs Cis 1,2 DCE	Glass Vials	2	HCL

Comments DO: N/C mg/L

Total volume purged 7.5 gallons

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Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-13R
Date	1/21/2009	**Sampled By**	D. Kirschner		
Sampling Time	11:15	**Recorded By**	D. Kirschner		
Weather	Sun, 20's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Solinist, YSI, LaMotte 2020

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)	19.50	**Pump Intake Depth (ft bmp)**		17.5'		
Depth to Water (ft bmp)	12.21	**Purge Time**	**Start**	8:52	**Finish**	11:18

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)
10:42	5	200	0.25	14.15	6.78	1.937	83.4	0.42	216.00	12.31
10:47	10	200	0.25	14.39	6.77	1.899	86.2	0.52	538.30	12.31
10:52	15	200	0.25	15.28	6.76	1.921	91.0	0.64	17.00	12.31
10:57	20	200	0.25	15.08	6.76	1.922	89.7	0.46	9.36	12.31
11:02	25	200	0.25	14.39	6.76	1.876	91.3	0.4	6.98	12.31
11:07	30	200	0.25	14.50	6.75	1.919	94.9	0.41	7.70	12.31
11:12	35	200	0.25	14.51	6.75	1.95	88.7	0.42	6.38	12.31

Collected Sample Condition **Color** N/C **Odor** N/C **Appearance** N/C

Parameter	Container	No.	Preservative
VOCs Cis 1,2 DCE	Glass Vials	2	HCL

Comments DO: N/C mg/L

Total volume purged 7.5 gallons

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Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	PTW-2
Date	1/22/2009	**Sampled By**	D. Kirschner		
Sampling Time	13:53	**Recorded By**	D. Kirschner		
Weather	Indoor	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Solinist, YSI, LaMotte 2020

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)	16.50	**Pump Intake Depth (ft bmp)**		15.0'		
Depth to Water (ft bmp)	9.76	**Purge Time**	**Start**	13:20	**Finish**	13:55

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)
13:25	5	200	0.25	17.00	6.85	1.061	-132.8	0.32	46.4	9.80
13:30	10	200	0.25	17.45	6.80	1.087	-143.2	0.30	30.5	9.80
13:35	15	200	0.25	17.56	6.80	1.098	-147.9	0.26	16.4	9.80
13:40	20	200	0.25	17.58	6.80	1.099	-150.3	0.26	9.36	9.80
13:45	25	200	0.25	17.61	6.80	1.104	-156.0	0.25	5.19	9.80
13:50	30	200	0.25	17.63	6.80	1.106	-157.0	0.24	5.13	9.80

Collected Sample Condition **Color** N/C **Odor** N/C **Appearance** N/C

Parameter	Container	No.	Preservative
VOCs Cis 1,2 DCE	Glass Vials	2	HCL

Comments DO: N/C mg/L

Total volume purged 12.5 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-103R
Date	1/22/2009	**Sampled By**	C. Laprus		
Sampling Time	10:02	**Recorded By**	C. Laprus		
Weather	Indoors	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Solinist, YSI, LaMotte 2020

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)	14.83	**Pump Intake Depth (ft bmp)**	9.0'			
Depth to Water (ft bmp)	4.71	**Purge Time**	**Start** 9:30	**Finish**	10:05	

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)
9:35	8	200	0.25	16.29	6.78	1.006	-98.9	0.54	6.81	4.77
9:40	10	200	0.25	16.37	6.91	1.046	-132.7	0.25	2.4	4.77
9:45	15	200	0.25	16.41	6.92	1.052	-138.5	0.15	2.46	4.77
9:50	20	200	0.25	16.41	6.93	1.055	-140.6	0.18	0.79	4.77
9:55	25	200	0.25	16.51	6.93	1.059	-140.9	0.2	0.72	4.77
10:00	30	200	0.25	16.48	6.94	1.061	-141.1	0.19	0.72	4.77

Collected Sample Condition **Color** N/C **Odor** N/C **Appearance** N/C

Parameter	Container	No.	Preservative
VOCs Cis 1,2 DCE	Glass Vials	2	HCL

Comments DO: N/C mg/L

Total volume purged 7.5 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	1/22/2009	**Sampled By**	C. Laprus		
Sampling Time	11:02	**Recorded By**	C. Laprus		
Weather	Indoors	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Solinist, YSI, LaMotte 2020

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)	14.85	**Pump Intake Depth (ft bmp)**	13.0'			
Depth to Water (ft bmp)	4.20	**Purge Time**	**Start** 10:25	**Finish**	11:04	

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	200	0.25	16.38	6.90	1.124	-128.7	0.16	22	4.28
10:35	10	200	0.25	16.41	6.91	1.147	-142	0.17	12.6	4.28
10:40	15	200	0.25	16.42	6.89	1.158	-147.5	0.15	5.96	4.28
10:45	20	200	0.25	16.42	6.88	1.166	-152.3	0.14	5.01	4.28
10:50	25	200	0.25	16.11	6.88	1.166	-152.5	0.12	20.9	4.28
10:55	30	200	0.25	16.42	6.87	1.168	-153.2	0.10	2.18	4.28
11:00	35	200	0.25	16.42	6.87	1.170	-153.4	0.09	2.14	4.28

Collected Sample Condition **Color** N/C **Odor** N/C **Appearance** N/C

Parameter	Container	No.	Preservative
VOCs Cis 1,2 DCE	Glass Vials	2	HCL

Comments DO: N/C mg/L

Total volume purged 8.75 gallons

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Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-6S
Date	4/21/2009	**Sampled By**	D. Kirschner, V. Myers		
Sampling Time	11:07	**Recorded By**	D. Kirschner, V. Myers		
Weather	Cloudy, rain, 50's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE SN# 095-516950, Solinist Water Level Meter 100' Pine # 04392, YSI SN# 02E1060AB

LaMotte 2020e SN# SN-ME-11955, DO Meter Pine # 06059

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)	19.31	**Pump Intake Depth (ft bmp)**	18.0'			
Depth to Water (ft bmp)	11.58	**Purge Time**	**Start** 10:30	**Finish**	11:10	

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)
10:35	5	300	0.4	13.58	6.83	1.010	199.9	8.55	29.90	11.61
10:40	10	300	0.4	13.59	6.81	1.077	201.6	7.70	18.80	11.61
10:45	15	300	0.4	13.67	6.80	1.095	206.0	7.56	10.39	11.61
10:50	20	300	0.4	13.65	6.80	1.100	196.1	7.48	7.14	11.61
10:55	25	300	0.4	13.65	6.79	1.110	191.4	7.33	5.29	11.61
11:00	30	300	0.4	13.69	6.79	1.115	189.0	7.27	3.64	11.61
11:05	35	300	0.4	13.34	6.79	1.120	189.0	7.30	3.20	11.61

Collected Sample Condition **Color** Tan Clear **Odor** No Odor **Appearance** Small suspended particles

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~3.0 gallons

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Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-9S
Date	4/22/2009	**Sampled By**	D. Kirschner, V. Myers		
Sampling Time	13:17	**Recorded By**	D. Kirschner, V. Myers		
Weather	Indoors	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE SN# 095-516950, Solinist Water Level Meter 100' Pine # 04392, YSI SN# 02E1060AB

LaMotte 2020e SN# SN-ME-11955, DO Meter Pine # 06059

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)	19.98	**Pump Intake Depth (ft bmp)**		18.0'		
Depth to Water (ft bmp)	10.45	**Purge Time**	**Start**	12:40	**Finish**	13:19

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)
12:45	5	200	0.25	16.48	6.75	1.465	-111.1	0.65	6.60	10.41
12:50	10	200	0.25	16.75	6.78	1.482	-132.2	0.46	13.90	10.41
12:55	15	200	0.25	16.88	6.77	1.488	-137.6	0.47	13.70	10.41
13:00	20	200	0.25	16.89	6.73	1.486	-137.0	0.40	7.02	10.41
13:05	25	200	0.25	16.89	6.72	1.487	-135.1	0.39	4.89	10.41
13:10	30	200	0.25	16.88	6.69	1.485	-132.8	0.37	3.62	10.41
13:15	35	200	0.25	16.87	6.68	1.483	-130.0	0.36	3.67	10.41

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

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Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-9D
Date	4/22/2009	**Sampled By**	D. Kirschner, V. Myers		
Sampling Time	14:02	**Recorded By**	D. Kirschner, V. Myers		
Weather	Indoor	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE SN# 095-516950, Solinist Water Level Meter 100' Pine # 04392, YSI SN# 02E1060AB

LaMotte 2020e SN# SN-ME-11955, DO Meter Pine # 06059

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)	39.02	**Pump Intake Depth (ft bmp)**		35.0'		
Depth to Water (ft bmp)	10.63	**Purge Time**	**Start**	13:30	**Finish**	14:05

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)
13:35	5	200	0.25	15.95	6.71	1.160	-110.0	0.63	2.49	10.74
13:40	10	200	0.25	15.95	6.71	1.160	-110.0	0.63	1.17	10.8
13:45	15	200	0.25	15.95	6.71	1.160	-110.0	0.63	2.31	10.8
13:50	20	200	0.25	15.66	6.65	1.141	-117.2	0.17	1.93	10.8
13:55	25	200	0.25	15.54	6.69	1.136	-118.3	0.19	1.21	10.8
14:00	30	200	0.25	15.71	6.64	1.140	-119.3	0.20	1.32	10.8

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-13R
Date	4/21/2009	**Sampled By**	D. Kirschner, V. Myers		
Sampling Time	12:17	**Recorded By**	D. Kirschner, V. Myers		
Weather	Cloudy, 50's	**Coded Replicate No.**	DUP(042109)		

Instrument Identification

Water Quality Meter(s) Multi-RAE SN# 095-516950, Solinist Water Level Meter 100' Pine # 04392, YSI SN# 02E1060AB

LaMotte 2020e SN# SN-ME-11955, DO Meter Pine # 06059

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)	19.5	**Pump Intake Depth (ft bmp)**	17.5'			
Depth to Water (ft bmp)	13.26	**Purge Time**	**Start** 11:40	**Finish**	12:20	

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)
11:45	5	200	0.25	12.77	6.54	2.49	193.7	0.75	49.4	13.27
11:50	10	200	0.25	13.16	6.56	2.397	192.9	0.87	31.9	13.31
11:55	15	200	0.25	13.06	6.58	2.225	188.7	0.43	16.1	13.31
12:00	20	200	0.25	12.94	6.59	2.073	182.7	0.36	5.12	13.31
12:05	25	200	0.25	12.98	6.59	1.997	179	0.32	3.74	13.31
12:10	30	200	0.25	12.97	6.59	1.964	175.5	0.31	3.27	13.31
12:15	35	200	0.25	12.97	6.58	1.945	172.9	0.31	2.67	13.31

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

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Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Kings Electronics				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	PTW-2
Date	4/21/2009	**Sampled By**	D. Kirschner, V. Myers		
Sampling Time	14:42	**Recorded By**	D. Kirschner, V. Myers		
Weather	Cloudy, 50's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE SN# 095-516950, Solinist Water Level Meter 100' Pine # 04392, YSI SN# 02E1060AB

LaMotte 2020e SN# SN-ME-11955, DO Meter Pine # 06059

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)	16.55	**Pump Intake Depth (ft bmp)**		15.0'		
Depth to Water (ft bmp)	10.77	**Purge Time**	**Start**	14.05	**Finish**	14.45

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)
14:10	5	200	0.25	16.12	6.65	1.382	-79.6	0.21	72.1	
14:15	10	200	0.25	16.12	6.62	1.167	-99.3	0.2	48.4	
14:20	15	200	0.25	16.07	6.63	1.178	-114.2	0.18	18.9	
14:25	20	200	0.25	16.07	6.64	1.179	-119.7	0.18	46.9	
14:30	25	200	0.25	16.04	6.64	1.184	-118	0.14	4.21	
14:35	30	200	0.25	16.13	6.64	1.188	-125.4	0.14	3.61	
14:40	35	200	0.25	16.11	6.64	1.184	-124.8	0.13	3.26	

Collected Sample Condition **Color** Tan clear **Odor** No Odor **Appearance** Small suspended particles

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 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-103R
Date	4/22/2009	**Sampled By**	D. Kirschner, V. Myers		
Sampling Time	9:42	**Recorded By**	D. Kirschner, V. Myers		
Weather	Indoor	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE SN# 095-516950, Solinist Water Level Meter 100' Pine # 04392, YSI SN# 02E1060AB

LaMotte 2020e SN# SN-ME-11955, DO Meter Pine # 06059

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)	19.94	**Pump Intake Depth (ft bmp)**	13.0'			
Depth to Water (ft bmp)	5.45	**Purge Time**	**Start** 9:10	**Finish**	9.45	

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)
9:15	5	300	0.4	13.68	6.84	1.493	-130.8	1.40	30.70	5.68
9:20	10	300	0.4	15.98	6.89	1.530	-149.0	0.83	21.20	5.68
9:25	15	300	0.4	15.95	6.91	1.516	-155.6	0.75	17.80	5.68
9:30	20	300	0.4	15.97	6.91	1.487	-156.8	0.65	15.10	5.68
9:35	25	300	0.4	15.98	6.91	1.464	-153.5	0.68	10.66	5.68
9:40	30	300	0.4	15.99	6.91	1.464	-154.1	0.74	8.18	5.68

Collected Sample Condition **Color** Slightly tan **Odor** No Odor **Appearance** Small suspended particles

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2.5 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	4/22/2009	**Sampled By**	D. Kirschner, V. Myers		
Sampling Time	10:47	**Recorded By**	D. Kirschner, V. Myers		
Weather	Indoor	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE SN# 095-516950, Solinist Water Level Meter 100' Pine # 04392, YSI SN# 02E1060AB

LaMotte 2020e SN# SN-ME-11955, DO Meter Pine # 06059

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)	14.9	**Pump Intake Depth (ft bmp)**	13.0'			
Depth to Water (ft bmp)	5.15	**Purge Time**	**Start** 10.15	**Finish**	10.55	

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)
10:20	5	200	0.25	14.55	6.87	1.555	-91.7	0.28	65.70	5.26
10:25	10	200	0.25	14.70	6.84	1.516	-97.8	0.33	51.20	5.26
10:30	15	200	0.25	14.93	6.84	1.504	-101.6	0.37	43.90	5.26
10:35	20	200	0.25	15.05	6.83	1.482	-108.7	0.38	25.50	5.26
10:40	25	200	0.25	15.05	6.83	1.469	-114.0	0.34	16.50	5.26
10:45	30	200	0.25	15.05	6.83	1.458	-117.9	0.36	14.60	5.26

Collected Sample Condition **Color** Slightly tan **Odor** No Odor **Appearance** Small suspended particles

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

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Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-6S
Date	7/15/2009	**Sampled By**	D. Kirschner		
Sampling Time	11:27	**Recorded By**	D. Kirschner		
Weather	Sun, 80's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine # 5272, YSI SN# 06GAA47AC

LaMotte 2020e SN# SN-ME-11955, DO Meter Pine # 10822

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)	10.66	**Purge Time**	**Start**	10:55	**Finish**	11:38

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)
11:00	5	300	0.4	16.43	6.59	0.716	133.6	8.15	31.2	10.70
11:05	10	300	0.4	16.44	6.54	0.781	149.1	7.91	16.3	10.70
11:10	15	300	0.4	16.45	6.51	0.83	167.9	7.75	6.8	10.70
11:15	20	300	0.4	16.00	6.52	0.846	171.3	7.68	3.16	10.70
11:20	25	300	0.4	16.51	6.53	0.851	174.1	7.66	2.13	10.70
11:25	30	300	0.4	16.52	6.53	0.858	175.3	7.67	1.31	10.70

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged 2.4 gallons

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Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-9S
Date	7/15/2009	**Sampled By**	V. Myers		
Sampling Time	10:32	**Recorded By**	V. Myers		
Weather	Indoors, Sun, 80's	**Coded Replicate No.**	DUP(071509)		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine # A01143, YSI SN#98L0843AA

LaMotte 2020e SN# SN-ME-11894, DO Meter Pine # 13050

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)	19.98	**Pump Intake Depth (ft bmp)**		18.0'		
Depth to Water (ft bmp)	9.53	**Purge Time**	**Start**	10:01	**Finish**	10:35

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)
10:05	5	200	0.27	17.35	6.86	1.489	-101.2	1.02	4.83	9.58
10:10	10	200	0.27	17.28	6.72	1.451	-84.4	0.72	5.18	9.58
10:15	15	200	0.27	17.49	6.68	1.448	-80.6	0.79	3.79	9.58
10:20	20	200	0.27	17.18	6.60	1.394	-64.0	0.64	2.36	9.58
10:25	25	200	0.27	17.10	6.56	1.376	-66.6	0.68	1.53	9.58
10:30	30	200	0.27	17.09	6.54	1.365	-65.1	0.69	1.46	9.58

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-9D
Date	7/15/2009	**Sampled By**	V. Myers		
Sampling Time	11:32	**Recorded By**	V. Myers		
Weather	Indoor, Sun 80's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine # A01143, YSI SN#98L0843AA

LaMotte 2020e SN# SN-ME-11894, DO Meter Pine # 13050

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)	39.7	**Pump Intake Depth (ft bmp)**		35.0'		
Depth to Water (ft bmp)	9.87	**Purge Time**	**Start**	11:00	**Finish**	11:36

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)
10:05	5	200	0.27	15.54	6.64	1.218	-69.90	0.81	5.64	10.03
10:10	10	200	0.27	15.66	6.62	1.193	-74.40	0.55	6.11	10.03
10:15	15	200	0.27	15.81	6.62	1.180	-82.00	0.50	2.39	10.03
10:20	20	200	0.27	15.80	6.63	1.175	-84.30	0.48	2.14	10.03
10:25	25	200	0.27	15.84	6.63	1.171	-86.70	0.48	2.64	10.03
10:30	30	200	0.27	15.84	6.63	1.169	-87.30	0.47	2.10	10.03

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	MW-13R
Date	7/15/2009	**Sampled By**	D. Kirschner		
Sampling Time	10:37	**Recorded By**	D. Kirschner		
Weather	Sun, 80's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine # 5272, YSI SN# 06GAA47AC
LaMotte 2020e SN# SN-ME-11955, DO Meter Pine # 10822

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)	12.84	**Purge Time**	**Start**	10:00	**Finish**	10:44

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)
10:05	5	200	0.27	17.04	6.31	3.844	74.4	1.90	63.70	12.35
10:10	10	200	0.27	18.12	6.34	3.596	93.2	1.24	24.30	12.35
10:15	15	200	0.27	18.05	6.32	3.409	192.1	1.10	15.00	12.35
10:20	20	200	0.27	18.09	6.29	3.235	120.1	1.01	10.20	12.35
10:25	25	200	0.27	18.10	6.28	3.145	122.1	0.98	7.80	12.35
10:30	30	200	0.27	18.11	6.27	3.137	127.9	0.96	3.18	12.35
10:35	35	200	0.27	18.11	6.27	3.130	129.1	0.97	2.19	12.35

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	PTW-2
Date	7/16/2009	**Sampled By**	V. Myers		
Sampling Time	10:42	**Recorded By**	V. Myers		
Weather	Indoor, Sun. 80's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine # A01143, YSI SN#98L0843AA

LaMotte 2020e SN# SN-ME-11894, DO Meter Pine # 13050

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)	16.56	**Pump Intake Depth (ft bmp)**		15.0'		
Depth to Water (ft bmp)	10.02	**Purge Time**	**Start**	10:10	**Finish**	

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)
10:15	5	200	0.27	17.38	6.68	1.094	-41.2	0.93	68.40	10.08
10:20	10	200	0.27	17.24	6.56	1.091	-41.9	0.59	35.20	10.08
10:25	15	200	0.27	17.21	6.56	1.102	-54.1	0.48	17.20	10.08
10:30	20	200	0.27	17.37	6.54	1.113	-60.5	0.46	12.00	10.08
10:35	25	200	0.27	17.37	6.54	1.119	-63.1	0.46	9.21	10.08
10:40	30	200	0.27	17.50	6.53	1.113	-67.6	0.46	8.41	10.09
10:45	35	200	0.27	17.57	6.53	1.117	-69.0	0.46	8.09	10.09

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

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Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	GP-103R
Date	7/15/2009	**Sampled By**	V. Myers		
Sampling Time	9:42	**Recorded By**	V. Myers		
Weather	Indoor, Sun. 80's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine # A01143, YSI SN#98L0843AA

LaMotte 2020e SN# SN-ME-11894, DO Meter Pine # 13050

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)	4.92	**Purge Time**	**Start**	8.31	**Finish**	9:12

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)
8:35	5	200	0.27	14.95	6.75	1.258	-106.8	0.57	28.40	5.64
8:40	10	200	0.27	14.85	6.81	1.245	-111.4	0.42	17.80	5.96
8:45	15	200	0.27	14.79	6.85	1.222	-144.0	0.36	7.93	5.96
8:50	20	200	0.27	14.80	6.86	1.216	-116.7	0.33	7.68	5.96
8:55	25	200	0.27	14.96	8.86	1.219	-188.6	0.33	5.42	5.96
9:00	30	200	0.27	14.83	6.87	1.216	-115.6	0.33	5.42	5.96
9:05	35	200	0.27	14.76	6.87	1.210	-113.1	0.32	5.37	5.96

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

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

ARCADIS
Infrastructure, environment, facilities

Low-Flow Groundwater Sampling Log

Project	Former Kings Electronics Co., Inc. Site				
Project Number	NJ000423.0005.0001	**Site Location**	Tuckahoe, NY	**Well ID**	GP-104R
Date	7/15/2009	**Sampled By**	D. Kirschner		
Sampling Time	9:40	**Recorded By**	D. Kirschner		
Weather	Indoor, Sun. 80's	**Coded Replicate No.**	None		

Instrument Identification

Water Quality Meter(s) Multi-RAE Pine # 8437, Solinist Water Level Meter 100' Pine # 5272, YSI SN# 06GAA47AC
LaMotte 2020e SN# SN-ME-11955, DO Meter Pine # 10822

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)	14.9	**Pump Intake Depth (ft bmp)**		13.0'			
Depth to Water (ft bmp)	4.44	**Purge Time**	**Start**	9:08	**Finish**	9:42	

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)
9:13	5	200	0.27	16.10	6.77	1.848	-42.8	1.12	116.00	4.51
9:18	10	200	0.27	15.40	6.77	1.782	-52.9	0.49	63.20	4.51
9:23	15	200	0.27	15.73	6.80	1.698	-67.5	0.48	28.20	4.51
9:28	20	200	0.27	15.63	6.83	1.544	-85.4	0.4	17.00	4.51
9:33	25	200	0.27	15.60	6.84	1.529	-89.4	0.44	13.40	4.51
9:38	30	200	0.27	15.16	6.85	1.510	-91.0	0.45	10.90	4.51

Collected Sample Condition **Color** Slightly Orange **Odor** No Odor **Appearance** Small suspended particles

Parameter	Container	No.	Preservative
VOCs + cis-1,2-DCE	Glass Vials	2	HCL

Comments Total volume purged is ~2 gallons

ARCADIS

Appendix B

Laboratory Data Packages

(Submitted Under Separate Cover)

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

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

Project Name: **KINGS ELECTRONICS - NJ000423.0005.00003**
IAL Case Number: **E08-12330**

These data have been reviewed and accepted by:

Michael H. Leftin, Ph.D.
Laboratory Director

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

Sample Summary

IAL Case No.

E08-12330

Client Arcadis Geraghty & Miller - Albany

Project KINGS ELECTRONICS - NJ000423.0005.00003

Received On 10/24/2008@16:36

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
12330-001	FB-(102108)	n/a	10/21/2008@10:05	Aqueous	2
12330-002	FB-(102208)	n/a	10/22/2008@09:25	Aqueous	2
12330-003	FB-(102308)	n/a	10/23/2008@08:50	Aqueous	2
12330-004	OS-MW-3PL	n/a	10/22/2008@11:42	Aqueous	2
12330-005	OS-MW-1	n/a	10/22/2008@09:52	Aqueous	2
12330-006	OS-MW-2	n/a	10/22/2008@11:13	Aqueous	2
12330-007	GP-103R	n/a	10/23/2008@10:52	Aqueous	2
12330-008	MW-9S	n/a	10/21/2008@12:52	Aqueous	2
12330-009	MW-HP-2D	n/a	10/21/2008@11:17	Aqueous	2
12330-010	MW-9D	n/a	10/21/2008@12:53	Aqueous	2
12330-011	MW-HP-2S	n/a	10/21/2008@11:21	Aqueous	2
12330-012	MW-13R	n/a	10/22/2008@09:42	Aqueous	2
12330-013	GP-104R	n/a	10/23/2008@13:04	Aqueous	2
12330-014	PTW-2	n/a	10/23/2008@12:37	Aqueous	2
12330-015	MW-6S	n/a	10/23/2008@10:23	Aqueous	2
12330-016	TB-(102108)	n/a	10/21/2008	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 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 sixteen (16) aqueous sample(s) from Arcadis Geraghty & Miller - Albany (Project: KINGS ELECTRONICS - NJ000423.0005.00003) on October 24, 2008 for the analysis of:

(16) 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

11/7/08
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E08-12330

		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.	✓

QC Reviewed by

11/7/08
Date

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

Lab Case Number: E08 - 12330

	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

10/31/08
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Arcadis Geraghty & Miller - Albany
Project: KINGS ELECTRONICS - NJ000423.0005.00003
Lab Case No.: E08-12330

	Lab ID:	12330-001			12330-002			12330-003			12330-004		
	Client ID:	FB-(102108)			FB-(102208)			FB-(102308)			OS-MW-3PL		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	10/21/08			10/22/08			10/23/08			10/22/08		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE	**(Units)**	*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
cis-1,2-Dichloroethene		ND		0.320	ND		0.320	ND		0.320	ND		0.320
TOTAL VO's:		ND			ND			ND			ND		

	Lab ID:	12330-005			12330-006			12330-007			12330-008		
	Client ID:	OS-MW-1			OS-MW-2			GP-103R			MW-9S		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	10/22/08			10/22/08			10/23/08			10/21/08		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE	**(Units)**	*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		0.822		0.560	ND		0.560	35.2		0.560	0.861		0.560
trans-1,2-Dichloroethene		ND		0.450	ND		0.450	0.468		0.450	0.882		0.450
1,1-Dichloroethane		ND		0.340	ND		0.340	0.418		0.340	0.520		0.340
cis-1,2-Dichloroethene		0.498		0.320	2.55		0.320	6.31		0.320	0.668		0.320
Trichloroethene		0.529		0.320	4.00		0.320	0.585		0.320	ND		0.320
Toluene		0.382		0.340	ND		0.340	ND		0.340	ND		0.340
Tetrachloroethene		0.991		0.380	7.60		0.380	ND		0.380	ND		0.380
Ethylbenzene		17.8		0.330	ND		0.330	ND		0.330	ND		0.330
Total Xylenes		2.48		0.980	ND		0.980	ND		0.980	ND		0.980
TOTAL VO's:		23.5			14.2			43.0			2.93		

	Lab ID:	12330-009			12330-010			12330-011			12330-012		
	Client ID:	MW-HP-2D			MW-9D			MW-HP-2S			MW-13R		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	10/21/08			10/21/08			10/21/08			10/22/08		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE	**(Units)**	*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
1,1-Dichloroethane		ND		0.340	ND		0.340	ND		0.340	0.610		0.340
cis-1,2-Dichloroethene		ND		0.320	ND		0.320	1.56		0.320	0.647		0.320
Chloroform		0.743		0.290	ND		0.290	0.332		0.290	ND		0.290
Trichloroethene		1.04		0.320	ND		0.320	1.95		0.320	1.62		0.320
Tetrachloroethene		21.5		0.380	ND		0.380	15.2		0.380	ND		0.380
TOTAL VO's:		23.3			ND			19.0			2.88		

	Lab ID:	12330-013			12330-014			12330-015			12330-016		
	Client ID:	GP-104R			PTW-2			MW-6S			TB-(102108)		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	10/23/08			10/23/08			10/23/08			10/21/08		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE	**(Units)**	*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
trans-1,2-Dichloroethene		0.459		0.450	ND		0.450	ND		0.450	ND		0.450
1,1-Dichloroethane		0.573		0.340	0.657		0.340	ND		0.340	ND		0.340
cis-1,2-Dichloroethene		0.589		0.320	0.395		0.320	ND		0.320	ND		0.320
1,1,1-Trichloroethane		ND		0.430	ND		0.430	4.22		0.430	ND		0.430
Trichloroethene		0.402		0.320	ND		0.320	24.1		0.320	ND		0.320
Tetrachloroethene		ND		0.380	ND		0.380	3.23		0.380	ND		0.380
TOTAL VO's:		2.02			1.05			31.6			ND		

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-001
Client ID: FB-(102108)
Date Received: 10/24/2008
Date Analyzed: 10/29/2008
Data file: F7493.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	ND		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	ND		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-002
Client ID: FB-(102208)
Date Received: 10/24/2008
Date Analyzed: 10/29/2008
Data file: F7494.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	ND		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	ND		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-003
Client ID: FB-(102308)
Date Received: 10/24/2008
Date Analyzed: 10/29/2008
Data file: F7495.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	ND		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	ND		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-004
Client ID: OS-MW-3PL
Date Received: 10/24/2008
Date Analyzed: 10/29/2008
Data file: F7496.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	ND		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	ND		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-005
Client ID: OS-MW-1
Date Received: 10/24/2008
Date Analyzed: 10/29/2008
Data file: F7490.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		0.510
Vinyl chloride	0.822		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	0.498		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	0.529		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	0.382		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	0.991		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	17.8		0.330
Total Xylenes	2.48		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 23.5

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-006
Client ID: OS-MW-2
Date Received: 10/24/2008
Date Analyzed: 10/29/2008
Data file: F7497.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	2.55		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	4.00		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	7.60		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 14.2

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-007
Client ID: GP-103R
Date Received: 10/24/2008
Date Analyzed: 10/29/2008
Data file: F7498.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		0.510
Vinyl chloride	35.2		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	0.468		0.450
1,1-Dichloroethane	0.418		0.340
cis-1,2-Dichloroethene	6.31		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	0.585		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 43.0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-008
Client ID: MW-9S
Date Received: 10/24/2008
Date Analyzed: 10/30/2008
Data file: F7504.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		0.510
Vinyl chloride	0.861		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	0.882		0.450
1,1-Dichloroethane	0.520		0.340
cis-1,2-Dichloroethene	0.668		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	ND		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 2.93

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-009
Client ID: MW-HP-2D
Date Received: 10/24/2008
Date Analyzed: 10/30/2008
Data file: F7505.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	ND		0.320
Chloroform	0.743		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	1.04		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	21.5		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 23.3

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-010
Client ID: MW-9D
Date Received: 10/24/2008
Date Analyzed: 10/30/2008
Data file: F7506.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	ND		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	ND		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-011
Client ID: MW-HP-2S
Date Received: 10/24/2008
Date Analyzed: 10/30/2008
Data file: F7507.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	1.56		0.320
Chloroform	0.332		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	1.95		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	15.2		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 19.0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-012
Client ID: MW-13R
Date Received: 10/24/2008
Date Analyzed: 10/30/2008
Data file: F7511.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	0.610		0.340
cis-1,2-Dichloroethene	0.647		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	1.62		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 2.88

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-013
Client ID: GP-104R
Date Received: 10/24/2008
Date Analyzed: 10/30/2008
Data file: F7512.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	0.459		0.450
1,1-Dichloroethane	0.573		0.340
cis-1,2-Dichloroethene	0.589		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	0.402		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 2.02

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-014
Client ID: PTW-2
Date Received: 10/24/2008
Date Analyzed: 10/30/2008
Data file: F7513.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	0.657		0.340
cis-1,2-Dichloroethene	0.395		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	ND		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 1.05

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-015
Client ID: MW-6S
Date Received: 10/24/2008
Date Analyzed: 10/30/2008
Data file: F7514.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	ND		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	4.22		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	24.1		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	3.23		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 31.6

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: AGM-ALBNY/KINGS_EL

Lab ID: 12330-016
Client ID: TB-(102108)
Date Received: 10/24/2008
Date Analyzed: 10/30/2008
Data file: F7515.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	ND		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	ND		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 0

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: F6802.D

BFB Injection Date: 10/07/2008

Inst ID: MSD_F

BFB Injection Time: 11:21

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	20.2			
75	30.0 - 60.0% of mass 95	49.5			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	7.6			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	92.2			
175	5.0 - 9.0% of mass 174	7.3	(	7.9	)1
176	95.0 - 101.0% of mass 174	89.2	(	96.8	)1
177	5.0 - 9.0% of mass 176	5.9	(	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
1PPB	STD-1PPB	F6803.D	10/07/2008	12:08
5PPB	STD-5PPB	F6804.D	10/07/2008	12:35
20PPB	STD-20PPB	F6805.D	10/07/2008	13:00
100PPB	STD-100PPB	F6807.D	10/07/2008	13:52
150PPB	STD-150PPB	F6808.D	10/07/2008	14:18
200PPB	STD-200PPB	F6809.D	10/07/2008	14:44

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: F7482.D

BFB Injection Date: 10/29/2008

Inst ID: MSD_F

BFB Injection Time: 9:05

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	20.1			
75	30.0 - 60.0% of mass 95	44.6			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.6			
173	Less than 2.0% of mass 174	0.6	(	0.8	)1
174	Great than 50.0% of mass 95	74.4			
175	5.0 - 9.0% of mass 174	5.4	(	7.2	)1
176	95.0 - 101.0% of mass 174	71.0	(	95.4	)1
177	5.0 - 9.0% of mass 176	4.8	(	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
100PPB	STD-100PPB	F7483.D	10/29/2008	9:31
N/A	METHOD-BLK	F7486.D	10/29/2008	11:03
MW-6/51.35	12228-005	F7487.D	10/29/2008	11:29
MW-11/53.81	12228-008	F7488.D	10/29/2008	11:55
LCS-50PPB	BLK-SPK	F7489.D	10/29/2008	12:21
OS-MW-1	12330-005	F7490.D	10/29/2008	12:47
MS	WATER-MS	F7491.D	10/29/2008	13:13
MSD	WATER-MSD	F7492.D	10/29/2008	13:39
FB-(102108)	12330-001	F7493.D	10/29/2008	14:05
FB-(102208)	12330-002	F7494.D	10/29/2008	14:31
FB-(102308)	12330-003	F7495.D	10/29/2008	14:57
OS-MW-3PL	12330-004	F7496.D	10/29/2008	15:23
OS-MW-2	12330-006	F7497.D	10/29/2008	15:49
GP-103R	12330-007	F7498.D	10/29/2008	16:14

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: F7499.D

BFB Injection Date: 10/30/2008

Inst ID: MSD_F

BFB Injection Time: 9:38

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	19.7			
75	30.0 - 60.0% of mass 95	44.3			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.3			
173	Less than 2.0% of mass 174	0.6	(	0.7	)1
174	Great than 50.0% of mass 95	89.4			
175	5.0 - 9.0% of mass 174	6.5	(	7.3	)1
176	95.0 - 101.0% of mass 174	88.6	(	99.1	)1
177	5.0 - 9.0% of mass 176	5.4	(	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	F7500.D	10/30/2008	10:04
BLK	METHOD-BLK	F7503.D	10/30/2008	11:21
MW-9S	12330-008	F7504.D	10/30/2008	11:46
MW-HP-2D	12330-009	F7505.D	10/30/2008	12:12
MW-9D	12330-010	F7506.D	10/30/2008	12:38
MW-HP-2S	12330-011	F7507.D	10/30/2008	13:04
LCS	BLK-SPK	F7508.D	10/30/2008	13:30
MW-13R	12330-012	F7511.D	10/30/2008	14:47
GP-104R	12330-013	F7512.D	10/30/2008	15:13
PTW-2	12330-014	F7513.D	10/30/2008	15:39
MW-6S	12330-015	F7514.D	10/30/2008	16:05
TB-(102108)	12330-016	F7515.D	10/30/2008	16:31
EFFLUENT	12397-001	F7517.D	10/30/2008	17:22

VOLATILE METHOD BLANK SUMMARY

Lab File ID: F7486.D Instrument ID: MSD_F

Date Analyzed: 10/29/2008 Time Analyzed: 11:03

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
MW-6/51.35	12228-005	10/29/2008	11:29
MW-11/53.81	12228-008	10/29/2008	11:55
LCS-50PPB	BLK-SPK	10/29/2008	12:21
OS-MW-1	12330-005	10/29/2008	12:47
MS	WATER-MS	10/29/2008	13:13
MSD	WATER-MSD	10/29/2008	13:39
FB-(102108)	12330-001	10/29/2008	14:05
FB-(102208)	12330-002	10/29/2008	14:31
FB-(102308)	12330-003	10/29/2008	14:57
OS-MW-3PL	12330-004	10/29/2008	15:23
OS-MW-2	12330-006	10/29/2008	15:49
GP-103R	12330-007	10/29/2008	16:14

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: N/A
Date Received:
Date Analyzed: 10/29/2008
Data file: F7486.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	ND		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	ND		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 0

VOLATILE METHOD BLANK SUMMARY

Lab File ID: F7503.D Instrument ID: MSD_F

Date Analyzed: 10/30/2008 Time Analyzed: 11:21

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
MW-9S	12330-008	10/30/2008	11:46
MW-HP-2D	12330-009	10/30/2008	12:12
MW-9D	12330-010	10/30/2008	12:38
MW-HP-2S	12330-011	10/30/2008	13:04
LCS	BLK-SPK	10/30/2008	13:30
MW-13R	12330-012	10/30/2008	14:47
GP-104R	12330-013	10/30/2008	15:13
PTW-2	12330-014	10/30/2008	15:39
MW-6S	12330-015	10/30/2008	16:05
TB-(102108)	12330-016	10/30/2008	16:31
EFFLUENT	12397-001	10/30/2008	17:22

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: BLK
Date Received:
Date Analyzed: 10/30/2008
Data file: F7503.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		0.510
Vinyl chloride	ND		0.560
Bromomethane	ND		0.510
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.600
Acrolein	ND		1.87
1,1-Dichloroethene	ND		0.420
Methylene chloride	ND		1.98
Acrylonitrile	ND		1.19
trans-1,2-Dichloroethene	ND		0.450
1,1-Dichloroethane	ND		0.340
cis-1,2-Dichloroethene	ND		0.320
Chloroform	ND		0.290
1,1,1-Trichloroethane	ND		0.430
Carbon tetrachloride	ND		0.450
1,2-Dichloroethane (EDC)	ND		0.280
Benzene	ND		0.290
Trichloroethene	ND		0.320
1,2-Dichloropropane	ND		0.210
Bromodichloromethane	ND		0.210
2-Chloroethyl vinyl ether	ND		0.630
cis-1,3-Dichloropropene	ND		0.200
Toluene	ND		0.340
trans-1,3-Dichloropropene	ND		0.130
1,1,2-Trichloroethane	ND		0.360
Tetrachloroethene	ND		0.380
Dibromochloromethane	ND		0.250
Chlorobenzene	ND		0.270
Ethylbenzene	ND		0.330
Total Xylenes	ND		0.980
Bromoform	ND		0.300
1,1,2,2-Tetrachloroethane	ND		0.140
1,3-Dichlorobenzene	ND		0.320
1,4-Dichlorobenzene	ND		0.280
1,2-Dichlorobenzene	ND		0.280

Total Target Compounds: 0

Response Factor Report MSD_F

Method Path : C:\MSDCHEM\1\METHODS\
Method File : FAW1007.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Thu Oct 09 10:01:26 2008
Response Via : Initial Calibration

Calibration Files
20 =F6805.D 100 =F6807.D 150 =F6808.D
200 =F6809.D 1 =F6803.D 5 =F6804.D

		Compound (ppb)	20	100	150	200	1	5	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluorom	0.378	0.302	0.304	0.319	0.387	0.305	0.333	11.81
3)	P	Chloromethane	0.680	0.576	0.569	0.539	0.796	0.662	0.637	15.03
4)	C	Vinyl chloride	0.517	0.424	0.382	0.397	0.498	0.449	0.445	12.20
5)	T	Bromomethane	0.243	0.168	0.149	0.122	0.277	0.246	0.201	31.18
6)	T	Chloroethane	0.251	0.171	0.139	0.136	0.249	0.177	0.187	27.31
7)	T	Trichlorofluorome	0.407	0.337	0.293	0.286	0.370	0.298	0.332	14.72
8)	T	Acrolein	0.089	0.084	0.077	0.075	0.080	0.089	0.082	7.18
9)	MC	1,1-Dichloroethen	0.260	0.222	0.214	0.219	0.285	0.228	0.238	11.83
10)	T	Acetone	0.158	0.140	0.145	0.136	0.198	0.169	0.158	14.71
11)	T	Carbon disulfide	0.893	0.753	0.680	0.678	1.060	0.759	0.804	18.40
12)	T	Vinyl acetate	2.697	2.356	2.291	2.168	3.108	2.490	2.518	13.54
13)	T	Methylene chlorid	0.561	0.494	0.482	0.480	0.712	0.492	0.537	16.93
14)	T	Acrylonitrile	0.478	0.456	0.441	0.409	0.414	0.436	0.439	5.88
15)	T	tert-Butyl alcoho	0.066	0.059	0.061	0.055	0.072	0.067	0.063	9.66
16)	T	trans-1,2-Dichlor	0.510	0.461	0.460	0.453	0.649	0.479	0.502	14.91
17)	T	Methyl tert-butyl	1.380	1.161	1.094	1.095	1.567	1.203	1.250	15.00
18)	P	1,1-Dichloroethan	1.077	0.956	0.945	0.919	1.244	0.996	1.023	11.90
19)	T	Diisopropyl ether	2.677	2.279	2.281	2.182	3.120	2.449	2.498	14.05
20)	T	cis-1,2-Dichloroe	0.584	0.533	0.535	0.527	0.693	0.542	0.569	11.27
21)	T	2,2-Dichloropropa	0.593	0.516	0.484	0.468	0.661	0.540	0.544	13.33
22)	T	2-Butanone (MEK)	0.308	0.292	0.303	0.284	0.357	0.315	0.310	8.29
23)	T	Bromochloromethan	0.278	0.253	0.253	0.253	0.322	0.254	0.269	10.39
25)	C	Chloroform	0.932	0.842	0.829	0.820	1.094	0.861	0.896	11.65
26)	T	1,1,1-Trichloroet	0.671	0.595	0.584	0.586	0.750	0.586	0.629	10.83
27)	T	Carbon tetrachlor	0.547	0.542	0.532	0.534	0.619	0.478	0.542	8.32
28)	T	1,1-Dichloroprope	0.692	0.625	0.623	0.616	0.870	0.631	0.676	14.62
29)	T	1,2-Dichloroethan	0.864	0.765	0.753	0.710	0.971	0.817	0.813	11.54
30)	S	1,2-Dichloroethan	0.589	0.587	0.576	0.568	0.574	0.582	0.579	1.39
31)	I	1,4-Difluorobenzene	----------ISTD----------							
32)	M	Benzene	1.574	1.416	1.414	1.374	1.938	1.467	1.531	13.79
33)	M	Trichloroethene	0.368	0.340	0.343	0.342	0.454	0.342	0.365	12.33
34)	C	1,2-Dichloropropa	0.443	0.407	0.408	0.401	0.532	0.415	0.434	11.49
35)	T	Dibromomethane	0.229	0.207	0.210	0.206	0.259	0.213	0.220	9.32
36)	T	1,4-Dioxane	0.004	0.005	0.004	0.004	0.003	0.003	0.004	17.16
37)	T	Bromodichlorometh	0.499	0.468	0.475	0.470	0.553	0.443	0.485	7.84
38)	T	2-Chloroethyl vin	0.294	0.276	0.282	0.271	0.339	0.280	0.291	8.63
39)	T	cis-1,3-Dichlorop	0.671	0.621	0.628	0.615	0.760	0.598	0.649	9.17
40)	T	4-Methyl-2-pentan	0.502	0.459	0.464	0.437	0.639	0.474	0.496	14.77
41)	S	Toluene-d8	1.125	1.136	1.136	1.128	1.126	1.124	1.129	0.49
42)	MC	Toluene	0.952	0.877	0.886	0.871	1.153	0.877	0.936	11.80
43)	T	trans-1,3-Dichlor	0.615	0.574	0.581	0.564	0.674	0.538	0.591	8.05
44)	T	1,1,2-Trichloroet	0.275	0.252	0.259	0.251	0.321	0.259	0.269	9.88
45)	T	Tetrachloroethene	0.309	0.294	0.301	0.301	0.442	0.292	0.323	18.16
46)	T	1,3-Dichloropropa	0.616	0.564	0.572	0.548	0.702	0.574	0.596	9.47
47)	T	2-Hexanone	0.309	0.293	0.307	0.290	0.351	0.319	0.312	7.11
48)	T	Dibromochlorometh	0.349	0.352	0.366	0.361	0.345	0.297	0.345	7.22
49)	T	1,2-Dibromoethane	0.333	0.309	0.319	0.309	0.370	0.312	0.325	7.27
50)	I	Chlorobenzene-d5	----------ISTD----------							
51)	MP	Chlorobenzene	1.104	1.009	1.015	1.012	1.366	1.007	1.086	13.09
52)	T	1,1,1,2-Tetrachlo	0.376	0.355	0.361	0.359	0.427	0.330	0.368	8.78

53)	C	Ethylbenzene	1.733	1.570	1.581	1.549	1.897	1.568	1.650	8.41
54)	T	m,p-Xylene	0.687	0.626	0.613	0.573	0.829	0.622	0.658	13.89
55)	T	o-Xylene	0.688	0.628	0.619	0.589	0.821	0.627	0.662	12.72
56)	T	Styrene	1.237	1.132	1.118	1.053	1.464	1.116	1.187	12.50
57)	P	Bromoform	0.206	0.221	0.235	0.232	0.187	0.167	0.208	12.76
58)	T	Isopropylbenzene	1.313	1.194	1.209	1.197	1.667	1.194	1.296	14.49
59)	S	Bromofluorobenzen	0.547	0.535	0.542	0.535	0.544	0.543	0.541	0.90
60)	P	1,1,2,2-Tetrachlo	0.448	0.400	0.405	0.374	0.519	0.412	0.426	12.09
61)	T	Bromobenzene	0.429	0.400	0.411	0.398	0.509	0.408	0.426	9.95
62)	T	1,2,3-Trichloropr	0.392	0.345	0.353	0.335	0.464	0.374	0.377	12.58
63)	T	n-Propylbenzene	1.572	1.402	1.429	1.404	2.077	1.418	1.550	17.15
64)	T	2-Chlorotoluene	1.124	1.000	1.015	0.991	1.464	1.027	1.104	16.58
65)	T	1,3,5-Trimethylbe	1.174	1.062	1.069	1.022	1.556	1.055	1.156	17.49
66)	T	4-Chlorotoluene	1.308	1.164	1.173	1.119	1.762	1.198	1.287	18.73
67)	T	tert-Butylbenzene	0.902	0.811	0.844	0.815	1.188	0.805	0.894	16.59
68)	T	1,2,4-Trimethylbe	1.246	1.118	1.131	1.094	1.664	1.127	1.230	17.82
69)	T	sec-Butylbenzene	1.227	1.092	1.115	1.110	1.658	1.080	1.214	18.45
70)	T	1,3-Dichlorobenze	0.700	0.636	0.654	0.632	0.919	0.638	0.697	16.05
71)	T	4-Isopropyltoluen	1.065	0.950	0.976	0.970	1.436	0.951	1.058	17.96
72)	T	1,4-Dichlorobenze	0.735	0.668	0.690	0.667	0.981	0.688	0.738	16.49
73)	T	n-Butylbenzene	0.506	0.456	0.460	0.451	0.637	0.447	0.493	14.95
74)	T	1,2-Dichlorobenze	0.697	0.634	0.652	0.623	0.877	0.629	0.685	14.26
75)	T	1,2-Dibromo-3-chl	0.079	0.073	0.076	0.072	0.077	0.068	0.074	5.45
76)	T	1,2,4-Trichlorobe	0.376	0.342	0.353	0.354	0.503	0.341	0.378	16.51
77)	T	Hexachlorobutadie	0.144	0.130	0.135	0.139	0.234	0.140	0.154	25.61
78)	T	Naphthalene	1.230	1.087	1.112	1.068	1.522	1.100	1.186	14.66
79)	T	1,2,3-Trichlorobe	0.347	0.317	0.328	0.329	0.509	0.323	0.359	20.64
80)	T	1,1,2-Trichloro-1	0.134	0.113	0.100	0.112	0.165	0.145	0.128	19.02
81)	T	Methyl acetate	0.418	0.364	0.363	0.353	0.535	0.394	0.404	16.90
82)	T	Cyclohexane	0.482	0.394	0.398	0.439	0.484	0.324	0.420	14.58
83)	T	Methylcyclohexane	0.344	0.298	0.281	0.301	0.433	0.294	0.325	17.59

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

AW1007.M Thu Oct 09 10:03:02 2008 RP1

Instrument ID:	**MSD_F**
Method ID:	**FAW1007.M**
Date:	**10/09/2008**

Average %RSD = **13.60**

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7483.D
Acq On : 29 Oct 2008 9:31
Operator : XING
Sample : 100PPB,STD-100PPB,A,5ml,100
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 30 09:25:50 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
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	105	0.00
2	T	Dichlorodifluoromethane	0.333	0.352	-5.7	123	0.02
3	P	Chloromethane	0.637	0.561	11.9	102	0.02
4	C	Vinyl chloride	0.445	0.424	4.7	105	0.02
5	T	Bromomethane	0.201	0.222	-10.4	139	0.02
6	T	Chloroethane	0.187	0.207	-10.7	127	0.00
7	T	Trichlorofluoromethane	0.332	0.438	-31.9	136	0.03
8	T	Acrolein	0.082	0.061	25.6	76	0.02
9	MC	1,1-Dichloroethene	0.238	0.243	-2.1	115	0.02
10	T	Acetone	0.158	0.178	-12.7	133	0.00
11	T	Carbon disulfide	0.804	0.766	4.7	107	0.02
12	T	Vinyl acetate	2.518	2.013	20.1	90	0.00
13	T	Methylene chloride	0.537	0.521	3.0	111	0.02
14	T	Acrylonitrile	0.439	0.643	-46.5	148	0.02
15	T	tert-Butyl alcohol (TBA)	0.063	0.047	25.4	84	0.00
16	T	trans-1,2-Dichloroethene	0.502	0.472	6.0	108	0.02
17	T	Methyl tert-butyl ether (MT	1.250	1.183	5.4	107	0.02
18	P	1,1-Dichloroethane	1.023	0.912	10.9	100	0.00
19	T	Diisopropyl ether (DIPE)	2.498	2.125	14.9	98	0.00
20	T	cis-1,2-Dichloroethene	0.569	0.540	5.1	106	0.00
21	T	2,2-Dichloropropane	0.544	0.558	-2.6	114	0.00
22	T	2-Butanone (MEK)	0.310	0.265	14.5	95	0.00
23	T	Bromochloromethane	0.269	0.270	-0.4	112	0.00
25	C	Chloroform	0.896	0.825	7.9	103	0.02
26	T	1,1,1-Trichloroethane	0.629	0.639	-1.6	113	0.00
27	T	Carbon tetrachloride	0.542	0.586	-8.1	114	0.00
28	T	1,1-Dichloropropene	0.676	0.613	9.3	103	0.00
29	T	1,2-Dichloroethane (EDC)	0.813	0.684	15.9	94	0.00
30	S	1,2-Dichloroethane-d4	0.579	0.451	22.1	81	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
32	M	Benzene	1.531	1.389	9.3	102	0.00
33	M	Trichloroethene	0.365	0.338	7.4	104	0.00
34	C	1,2-Dichloropropane	0.434	0.380	12.4	98	0.00
35	T	Dibromomethane	0.220	0.198	10.0	100	0.00
37	T	Bromodichloromethane	0.485	0.453	6.6	101	0.00
38	T	2-Chloroethyl vinyl ether	0.291	0.227	22.0	86	0.00
39	T	cis-1,3-Dichloropropene	0.649	0.588	9.4	99	0.00
40	T	4-Methyl-2-pentanone (MIBK)	0.496	0.352	29.0	80	0.00
41	S	Toluene-d8	1.129	0.997	11.7	92	0.00
42	MC	Toluene	0.936	0.878	6.2	105	0.00
43	T	trans-1,3-Dichloropropene	0.591	0.521	11.8	95	0.00
44	T	1,1,2-Trichloroethane	0.269	0.235	12.6	98	0.00
45	T	Tetrachloroethene	0.323	0.315	2.5	112	0.00
46	T	1,3-Dichloropropane	0.596	0.514	13.8	95	0.00
47	T	2-Hexanone	0.312	0.259	17.0	93	0.00

48	T	Dibromochloromethane	0.345	0.362	-4.9	107	0.00
49	T	1,2-Dibromoethane (EDB)	0.325	0.296	8.9	100	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
51	MP	Chlorobenzene	1.086	1.039	4.3	110	0.00
52	T	1,1,1,2-Tetrachloroethane	0.368	0.378	-2.7	113	0.00
53	C	Ethylbenzene	1.650	1.555	5.8	106	0.00
54	T	m,p-Xylene	0.658	0.624	5.2	106	0.00
55	T	o-Xylene	0.662	0.639	3.5	108	0.00
56	T	Styrene	1.187	1.127	5.1	106	0.00
57	P	Bromoform	0.208	0.237	-13.9	114	0.00
58	T	Isopropylbenzene	1.296	1.283	1.0	115	0.00
59	S	Bromofluorobenzene	0.541	0.503	7.0	100	0.00
60	P	1,1,2,2-Tetrachloroethane	0.426	0.369	13.4	99	0.00
61	T	Bromobenzene	0.426	0.433	-1.6	116	0.00
62	T	1,2,3-Trichloropropane	0.377	0.319	15.4	99	0.00
63	T	n-Propylbenzene	1.550	1.537	0.8	117	0.00
64	T	2-Chlorotoluene	1.104	1.074	2.7	114	0.00
65	T	1,3,5-Trimethylbenzene	1.156	1.155	0.1	116	0.00
66	T	4-Chlorotoluene	1.287	1.245	3.3	114	0.00
67	T	tert-Butylbenzene	0.894	0.945	-5.7	124	0.00
68	T	1,2,4-Trimethylbenzene	1.230	1.238	-0.7	118	0.00
69	T	sec-Butylbenzene	1.214	1.271	-4.7	124	0.00
70	T	1,3-Dichlorobenzene	0.697	0.745	-6.9	125	0.00
71	T	4-Isopropyltoluene	1.058	1.122	-6.0	126	0.00
72	T	1,4-Dichlorobenzene	0.738	0.780	-5.7	125	0.00
73	T	n-Butylbenzene	0.493	0.518	-5.1	121	0.00
74	T	1,2-Dichlorobenzene	0.685	0.731	-6.7	123	0.00
75	T	1,2-Dibromo-3-chloropropane	0.074	0.060	18.9	87	0.00
76	T	1,2,4-Trichlorobenzene	0.378	0.373	1.3	116	0.00
77	T	Hexachlorobutadiene	0.154	0.158	-2.6	129	0.00
78	T	Naphthalene	1.186	0.925	22.0	91	0.00
79	T	1,2,3-Trichlorobenzene	0.359	0.303	15.6	102	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.128	0.154	-20.3	146	0.00
81	T	Methyl acetate	0.404	0.275	31.9	80	0.02
82	T	Cyclohexane	0.420	0.456	-8.6	123	0.00
83	T	Methylcyclohexane	0.325	0.301	7.4	108	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

FAW1007.M Thu Oct 30 09:25:58 2008 RP1

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7500.D
Acq On : 30 Oct 2008 10:04
Operator : XING
Sample : 100PPB,STD-100PPB,A,5ml,100
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 08:41:19 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
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	84	0.00
2	T	Dichlorodifluoromethane	0.333	0.330	0.9	92	0.02
3	P	Chloromethane	0.637	0.551	13.5	80	0.02
4	C	Vinyl chloride	0.445	0.452	-1.6	89	0.02
5	T	Bromomethane	0.201	0.235	-16.9	118	0.00
6	T	Chloroethane	0.187	0.215	-15.0	105	0.00
7	T	Trichlorofluoromethane	0.332	0.446	-34.3	111	0.02
8	T	Acrolein	0.082	0.049	40.2	49	0.00
9	MC	1,1-Dichloroethene	0.238	0.257	-8.0	97	0.00
10	T	Acetone	0.158	0.240	-51.9	144	0.00
11	T	Carbon disulfide	0.804	0.795	1.1	89	0.02
12	T	Vinyl acetate	2.518	2.235	11.2	80	0.00
13	T	Methylene chloride	0.537	0.478	11.0	81	0.00
14	T	Acrylonitrile	0.439	0.509	-15.9	94	0.02
15	T	tert-Butyl alcohol (TBA)	0.063	0.050	20.6	71	0.02
16	T	trans-1,2-Dichloroethene	0.502	0.466	7.2	85	0.02
17	T	Methyl tert-butyl ether (MT	1.250	1.076	13.9	78	0.00
18	P	1,1-Dichloroethane	1.023	0.856	16.3	75	0.00
19	T	Diisopropyl ether (DIPE)	2.498	2.236	10.5	82	0.00
20	T	cis-1,2-Dichloroethene	0.569	0.526	7.6	83	0.00
21	T	2,2-Dichloropropane	0.544	0.565	-3.9	92	0.00
22	T	2-Butanone (MEK)	0.310	0.402	-29.7	116	0.00
23	T	Bromochloromethane	0.269	0.255	5.2	85	0.00
25	C	Chloroform	0.896	0.830	7.4	83	0.00
26	T	1,1,1-Trichloroethane	0.629	0.639	-1.6	90	0.00
27	T	Carbon tetrachloride	0.542	0.627	-15.7	97	0.00
28	T	1,1-Dichloropropene	0.676	0.663	1.9	89	0.00
29	T	1,2-Dichloroethane (EDC)	0.813	0.782	3.8	86	0.00
30	S	1,2-Dichloroethane-d4	0.579	0.513	11.4	73	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
32	M	Benzene	1.531	1.445	5.6	85	0.00
33	M	Trichloroethene	0.365	0.350	4.1	85	0.00
34	C	1,2-Dichloropropane	0.434	0.400	7.8	82	0.00
35	T	Dibromomethane	0.220	0.207	5.9	83	0.00
37	T	Bromodichloromethane	0.485	0.472	2.7	84	0.00
38	T	2-Chloroethyl vinyl ether	0.291	0.236	18.9	71	0.00
39	T	cis-1,3-Dichloropropene	0.649	0.595	8.3	79	0.00
40	T	4-Methyl-2-pentanone (MIBK)	0.496	0.435	12.3	79	0.00
41	S	Toluene-d8	1.129	1.035	8.3	76	0.00
42	MC	Toluene	0.936	0.923	1.4	87	0.00
43	T	trans-1,3-Dichloropropene	0.591	0.553	6.4	80	0.00
44	T	1,1,2-Trichloroethane	0.269	0.246	8.6	81	0.00
45	T	Tetrachloroethene	0.323	0.337	-4.3	95	0.00
46	T	1,3-Dichloropropane	0.596	0.563	5.5	83	0.00
47	T	2-Hexanone	0.312	0.400	-28.2	113	0.00

48	T	Dibromochloromethane	0.345	0.373	-8.1	88	0.00
49	T	1,2-Dibromoethane (EDB)	0.325	0.303	6.8	81	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
51	MP	Chlorobenzene	1.086	1.036	4.6	89	0.00
52	T	1,1,1,2-Tetrachloroethane	0.368	0.374	-1.6	91	0.00
53	C	Ethylbenzene	1.650	1.629	1.3	90	0.00
54	T	m,p-Xylene	0.658	0.671	-2.0	92	0.00
55	T	o-Xylene	0.662	0.667	-0.8	92	0.00
56	T	Styrene	1.187	1.187	0.0	91	0.00
57	P	Bromoform	0.208	0.228	-9.6	89	0.00
58	T	Isopropylbenzene	1.296	1.269	2.1	92	0.00
59	S	Bromofluorobenzene	0.541	0.502	7.2	81	0.00
60	P	1,1,2,2-Tetrachloroethane	0.426	0.393	7.7	85	0.00
61	T	Bromobenzene	0.426	0.436	-2.3	94	0.00
62	T	1,2,3-Trichloropropane	0.377	0.331	12.2	83	0.00
63	T	n-Propylbenzene	1.550	1.542	0.5	95	0.00
64	T	2-Chlorotoluene	1.104	1.070	3.1	92	0.00
65	T	1,3,5-Trimethylbenzene	1.156	1.158	-0.2	94	0.00
66	T	4-Chlorotoluene	1.287	1.281	0.5	95	0.00
67	T	tert-Butylbenzene	0.894	0.906	-1.3	96	0.00
68	T	1,2,4-Trimethylbenzene	1.230	1.215	1.2	94	0.00
69	T	sec-Butylbenzene	1.214	1.230	-1.3	97	-0.01
70	T	1,3-Dichlorobenzene	0.697	0.713	-2.3	97	0.00
71	T	4-Isopropyltoluene	1.058	1.062	-0.4	96	0.00
72	T	1,4-Dichlorobenzene	0.738	0.752	-1.9	97	-0.01
73	T	n-Butylbenzene	0.493	0.516	-4.7	98	0.00
74	T	1,2-Dichlorobenzene	0.685	0.711	-3.8	97	0.00
75	T	1,2-Dibromo-3-chloropropane	0.074	0.061	17.6	72	0.00
76	T	1,2,4-Trichlorobenzene	0.378	0.336	11.1	85	0.00
77	T	Hexachlorobutadiene	0.154	0.144	6.5	95	0.00
78	T	Naphthalene	1.186	0.878	26.0	70	0.00
79	T	1,2,3-Trichlorobenzene	0.359	0.286	20.3	78	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.128	0.163	-27.3	125	0.00
81	T	Methyl acetate	0.404	0.309	23.5	73	0.00
82	T	Cyclohexane	0.420	0.384	8.6	84	0.00
83	T	Methylcyclohexane	0.325	0.280	13.8	81	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

FAW1007.M Fri Oct 31 08:41:39 2008 RP1

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/29/2008

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	F7486.D	82	87	86
12228-005	AQUEOUS	F7487.D	83	87	84
12228-008	AQUEOUS	F7488.D	83	86	85
BLK-SPK	AQUEOUS	F7489.D	81	90	91
12330-005	AQUEOUS	F7490.D	81	88	90
WATER-MS	AQUEOUS	F7491.D	83	87	86
WATER-MSD	AQUEOUS	F7492.D	84	86	85
12330-001	AQUEOUS	F7493.D	85	86	85
12330-002	AQUEOUS	F7494.D	87	86	85
12330-003	AQUEOUS	F7495.D	88	86	84
12330-004	AQUEOUS	F7496.D	90	87	84
12330-006	AQUEOUS	F7497.D	91	88	83
12330-007	AQUEOUS	F7498.D	93	88	84

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	40-159	49-152
SMC2 = Toluene-d8	50 ppb	60-144	60-143
SMC3 = Bromofluorobenzene	50 ppb	62-146	62-146

Column to be used to flag recovery values

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/30/2008

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	F7503.D	94	88	82
12330-008	AQUEOUS	F7504.D	95	88	84
12330-009	AQUEOUS	F7505.D	97	89	83
12330-010	AQUEOUS	F7506.D	97	89	83
12330-011	AQUEOUS	F7507.D	98	90	82
BLK-SPK	AQUEOUS	F7508.D	92	92	98
12330-012	AQUEOUS	F7511.D	98	89	82
12330-013	AQUEOUS	F7512.D	102	89	83
12330-014	AQUEOUS	F7513.D	99	88	84
12330-015	AQUEOUS	F7514.D	100	89	82
12330-016	AQUEOUS	F7515.D	97	89	79
12397-001	AQUEOUS	F7517.D	91	88	83

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	40-159	49-152
SMC2 = Toluene-d8	50 ppb	60-144	60-143
SMC3 = Bromofluorobenzene	50 ppb	62-146	62-146

Column to be used to flag recovery values

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: WATER-MSD

Batch No.: FAW102908A

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	34.8	70	52 - 157
Benzene	50.0	0.0	42.2	84	55 - 155
Trichloroethene	50.0	0.0	44.1	88	61 - 153
Toluene	50.0	0.0	45.8	92	58 - 144
Chlorobenzene	50.0	0.0	48.4	97	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	33.4	67	4	14	52 - 157
Benzene	0.0	40.8	82	2	8	55 - 155
Trichloroethene	0.0	42.9	86	2	19	61 - 153
Toluene	0.0	44.6	89	3	12	58 - 144
Chlorobenzene	0.0	46.9	94	3	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): F6807.D

Date Analyzed: 10/07/2008

Instrument ID: MSD_F

Time Analyzed: 13:52

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	340840	6.06	485518	6.89	468135	10.23
	UPPER LIMIT	681680	6.56	971036	7.39	936270	10.73
	LOWER LIMIT	170420	5.56	242759	6.39	234067.5	9.73
	LAB SAMPLE ID						
01	STD-1PPB	344710	6.06	494232	6.89	471492	10.23
02	STD-5PPB	342786	6.06	495221	6.89	472600	10.23
03	STD-20PPB	325517	6.06	467603	6.89	445563	10.23
04	STD-150PPB	339269	6.06	480976	6.89	469223	10.23
05	STD-200PPB	358864	6.06	504748	6.89	482910	10.23
06							
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): F7483.D

Date Analyzed: 10/29/2008

Instrument ID: MSD_F

Time Analyzed: 9:31

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	358218	6.07	507347	6.89	499133	10.23
	UPPER LIMIT	716436	6.57	1014694	7.39	998266	10.73
	LOWER LIMIT	179109	5.57	253673.5	6.39	249566.5	9.73
	LAB SAMPLE ID						
01	METHOD-BLK	337378	6.07	480850	6.89	461769	10.23
02	12228-005	357432	6.07	512639	6.89	488334	10.23
03	12228-008	325293	6.07	467692	6.89	442968	10.23
04	BLK-SPK	343531	6.07	480438	6.89	469862	10.23
05	12330-005	338813	6.07	478370	6.90	471672	10.23
06	WATER-MS	325802	6.07	466747	6.89	451375	10.23
07	WATER-MSD	334236	6.07	478113	6.89	456614	10.23
08	12330-001	328227	6.07	467243	6.89	443667	10.23
09	12330-002	308750	6.07	443048	6.89	419497	10.23
10	12330-003	298644	6.06	430616	6.89	407733	10.23
11	12330-004	280803	6.07	405004	6.89	384084	10.23
12	12330-006	272348	6.07	386456	6.89	372296	10.23
13	12330-007	254152	6.06	359257	6.89	344554	10.23
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): F7500.D

Date Analyzed: 10/30/2008

Instrument ID: MSD_F

Time Analyzed: 10:04

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	286131	6.06	402621	6.89	404029	10.23
	UPPER LIMIT	572262	6.56	805242	7.39	808058	10.73
	LOWER LIMIT	143065.5	5.56	201310.5	6.39	202014.5	9.73
	LAB SAMPLE ID						
01	METHOD-BLK	253572	6.06	364166	6.89	348036	10.23
02	12330-008	216438	6.07	311928	6.89	304478	10.23
03	12330-009	209007	6.07	305090	6.89	296921	10.23
04	12330-010	196235	6.07	286413	6.89	278247	10.23
05	12330-011	200170	6.07	292484	6.89	287702	10.23
06	BLK-SPK	220885	6.07	310992	6.89	312012	10.23
07	12330-012	202952	6.07	296317	6.89	283841	10.23
08	12330-013	151821	6.07	226428	6.89	217924	10.23
09	12330-014	180303	6.07	268623	6.89	256657	10.23
10	12330-015	181679	6.07	274847	6.89	268620	10.23
11	12330-016	216912	6.07	320773	6.89	308254	10.23
12	12397-001	186127	6.07	254585	6.89	248189	10.23
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7493.D
Acq On : 29 Oct 2008 14:05
Operator : XING
Sample : FB-(102108),12330-001,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/21/08,10/24/08,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 29 14:49:00 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.073	168	328227	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.885	114	467243	50.00	UG	0.00
50) Chlorobenzene-d5	10.225	117	443667	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.388	65	161388	42.43	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 84.86%			
41) Toluene-d8	8.550	98	455227	43.14	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 86.28%			
59) Bromofluorobenzene	11.626	95	204234	42.54	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 85.08%			

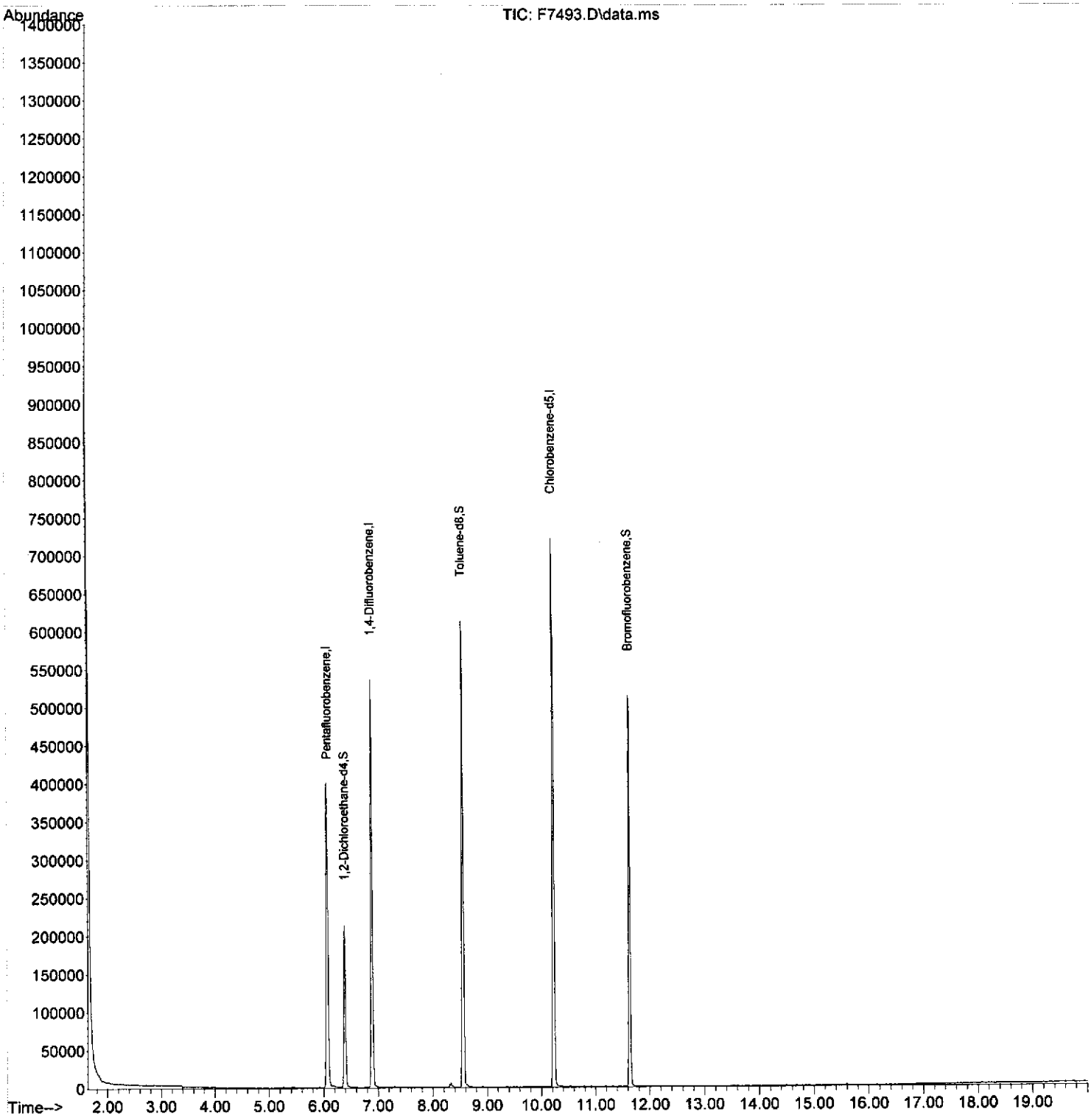
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7493.D
Acq On : 29 Oct 2008 14:05
Operator : XING
Sample : FB-(102108),12330-001,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/21/08,10/24/08,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 29 14:49:00 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7494.D
Acq On : 29 Oct 2008 14:31
Operator : XING
Sample : FB-(102208),12330-002,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/22/08,10/24/08,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 29 15:12:31 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.073	168	308750	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.885	114	443048	50.00	UG	0.00
50) Chlorobenzene-d5	10.225	117	419497	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.388	65	156043	43.62	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 87.24%			
41) Toluene-d8	8.560	98	431324	43.11	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 86.22%			
59) Bromofluorobenzene	11.626	95	192977	42.52	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 85.04%			

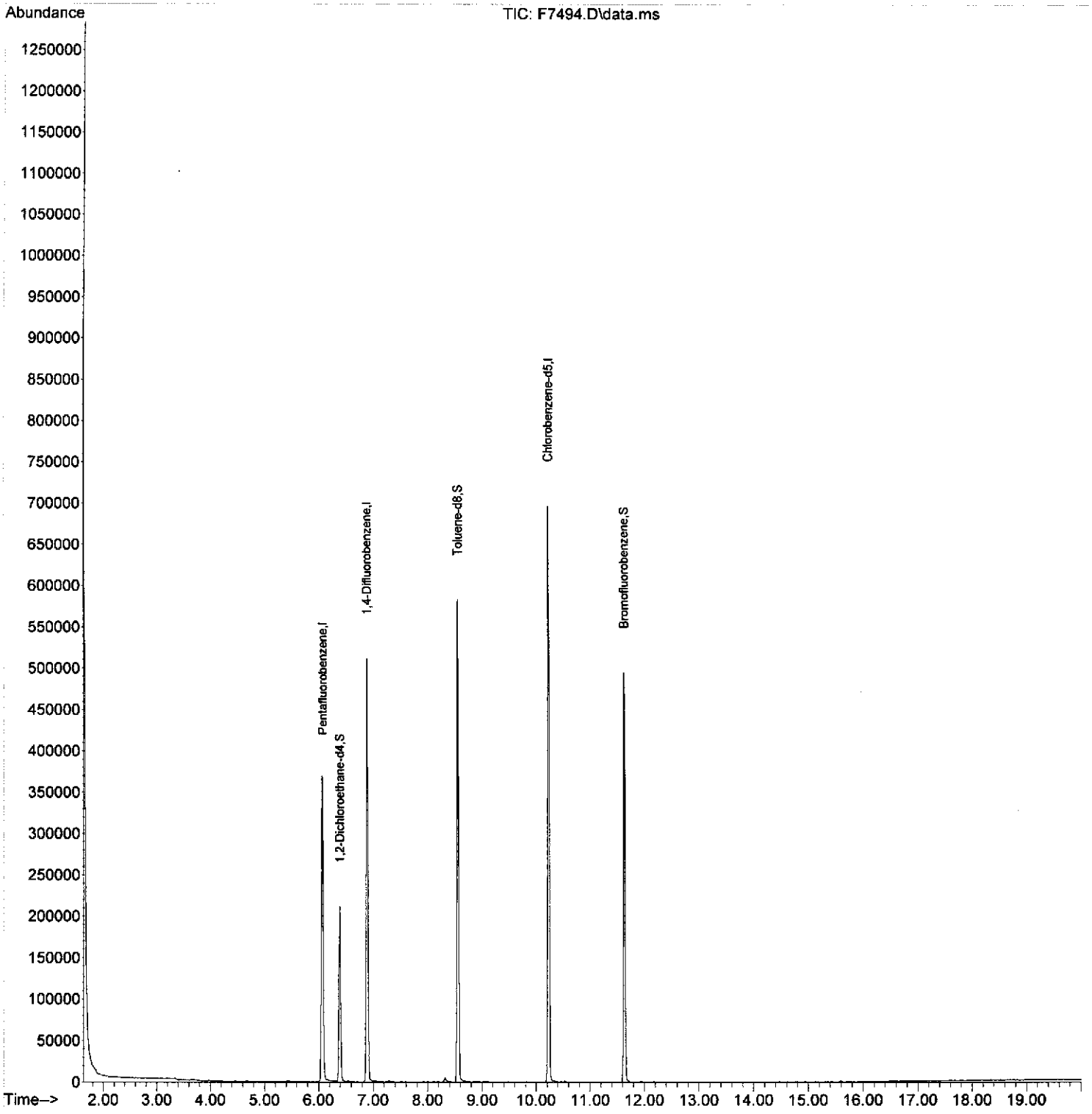
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7494.D
Acq On : 29 Oct 2008 14:31
Operator : XING
Sample : FB-(102208),12330-002,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/22/08,10/24/08,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 29 15:12:31 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7495.D
Acq On : 29 Oct 2008 14:57
Operator : XING
Sample : FB-(102308),12330-003,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/23/08,10/24/08,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 29 15:35:35 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.063	168	298644	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.885	114	430616	50.00	UG	0.00
50) Chlorobenzene-d5	10.225	117	407733	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.388	65	152520	44.07	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 88.14%			
41) Toluene-d8	8.550	98	420378	43.23	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 86.46%			
59) Bromofluorobenzene	11.626	95	184968	41.93	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 83.86%			

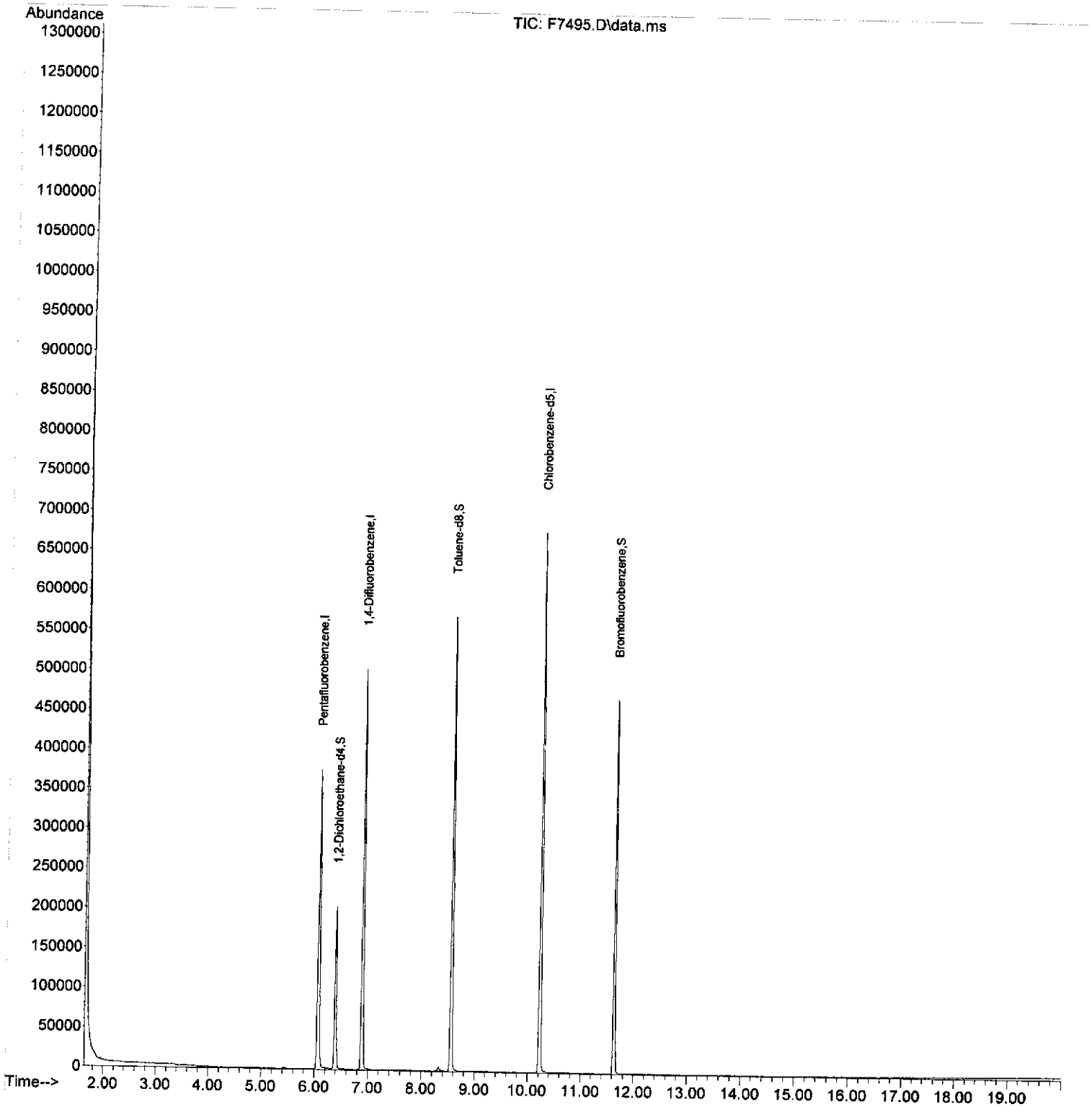
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7495.D
Acq On : 29 Oct 2008 14:57
Operator : XING
Sample : FB-(102308),12330-003,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/23/08,10/24/08,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 29 15:35:35 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7496.D
Acq On : 29 Oct 2008 15:23
Operator : XING
Sample : OS-MW-3PL,12330-004,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/22/08,10/24/08,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 29 15:47:29 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.073	168	280803	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.885	114	405004	50.00	UG	0.00
50) Chlorobenzene-d5	10.225	117	384084	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.388	65	145728	44.79	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 89.58%			
41) Toluene-d8	8.560	98	398524	43.57	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 87.14%			
59) Bromofluorobenzene	11.626	95	174707	42.04	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 84.08%			

Target Compounds						Qvalue
~~2) Dichlorodifluoromethane~~	~~1.708~~	~~85~~	~~4651~~	~~2.49~~	~~UG~~	~~# 83~~

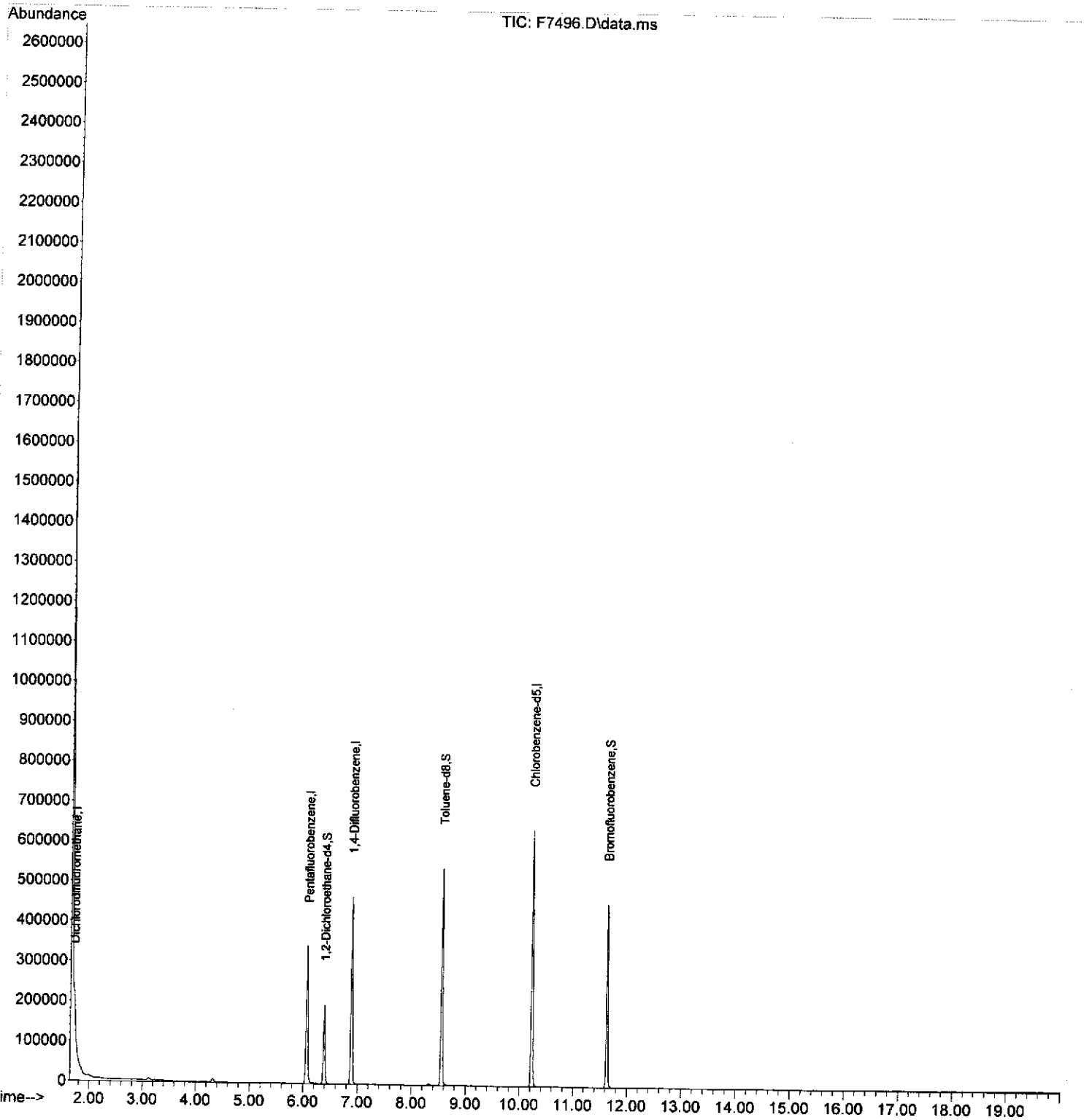
11/7/08 AK

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7496.D
Acq On : 29 Oct 2008 15:23
Operator : XING
Sample : OS-MW-3PL,12330-004,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/22/08,10/24/08,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 29 15:47:29 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7490.D
Acq On : 29 Oct 2008 12:47
Operator : XING
Sample : OS-MW-1,12330-005,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/22/08,10/24/08,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 14:34:27 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

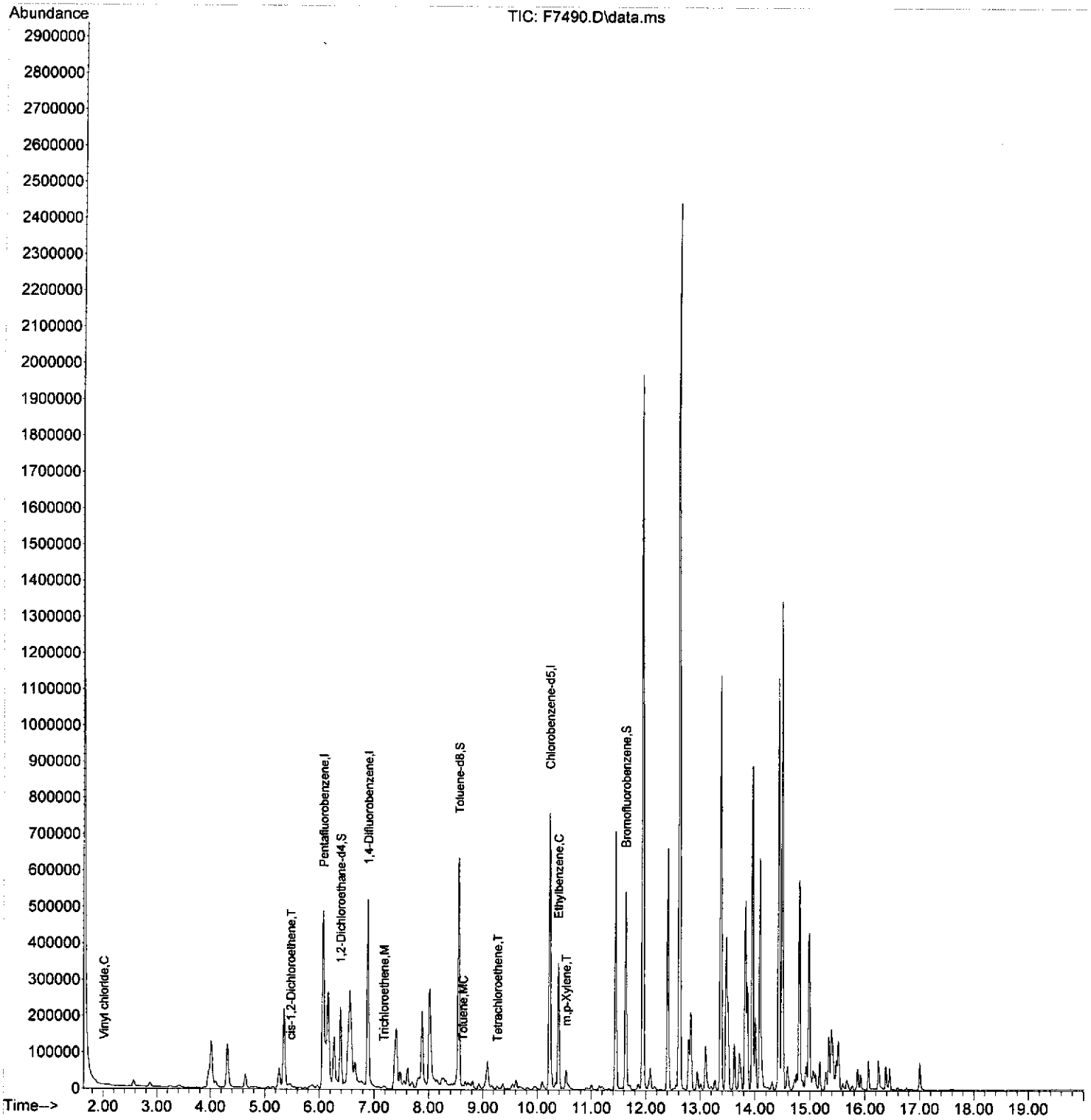
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.073	168	338813	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.895	114	478370	50.00	UG		0.00
50) Chlorobenzene-d5	10.225	117	471672	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.388	65	159552	40.64	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 81.28%				
41) Toluene-d8	8.560	98	475498	44.01	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 88.02%				
59) Bromofluorobenzene	11.626	95	229374m	44.94	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 89.88%				
Target Compounds							Qvalue
4) Vinyl chloride	2.012	62	2475	0.82	UG	#	93
20) cis-1,2-Dichloroethene	5.474	96	1921	0.50	UG	#	41
33) Trichloroethene	7.180	95	1847	0.53	UG		97
42) Toluene	8.631	92	3418	0.38	UG		96
45) Tetrachloroethene	9.271	166	3064	0.99	UG	#	68
53) Ethylbenzene	10.388	91	276333	17.76	UG		99
54) m,p-Xylene	10.530	106	15380	2.48	UG		92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7490.D
Acq On : 29 Oct 2008 12:47
Operator : XING
Sample : OS-MW-1,12330-005,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/22/08,10/24/08,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 29 14:34:27 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



FAW1007.M Wed Oct 29 14:34:36 2008 RP1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7497.D
Acq On : 29 Oct 2008 15:49
Operator : XING
Sample : OS-MW-2,12330-006,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/22/08,10/24/08,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 08:39:37 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

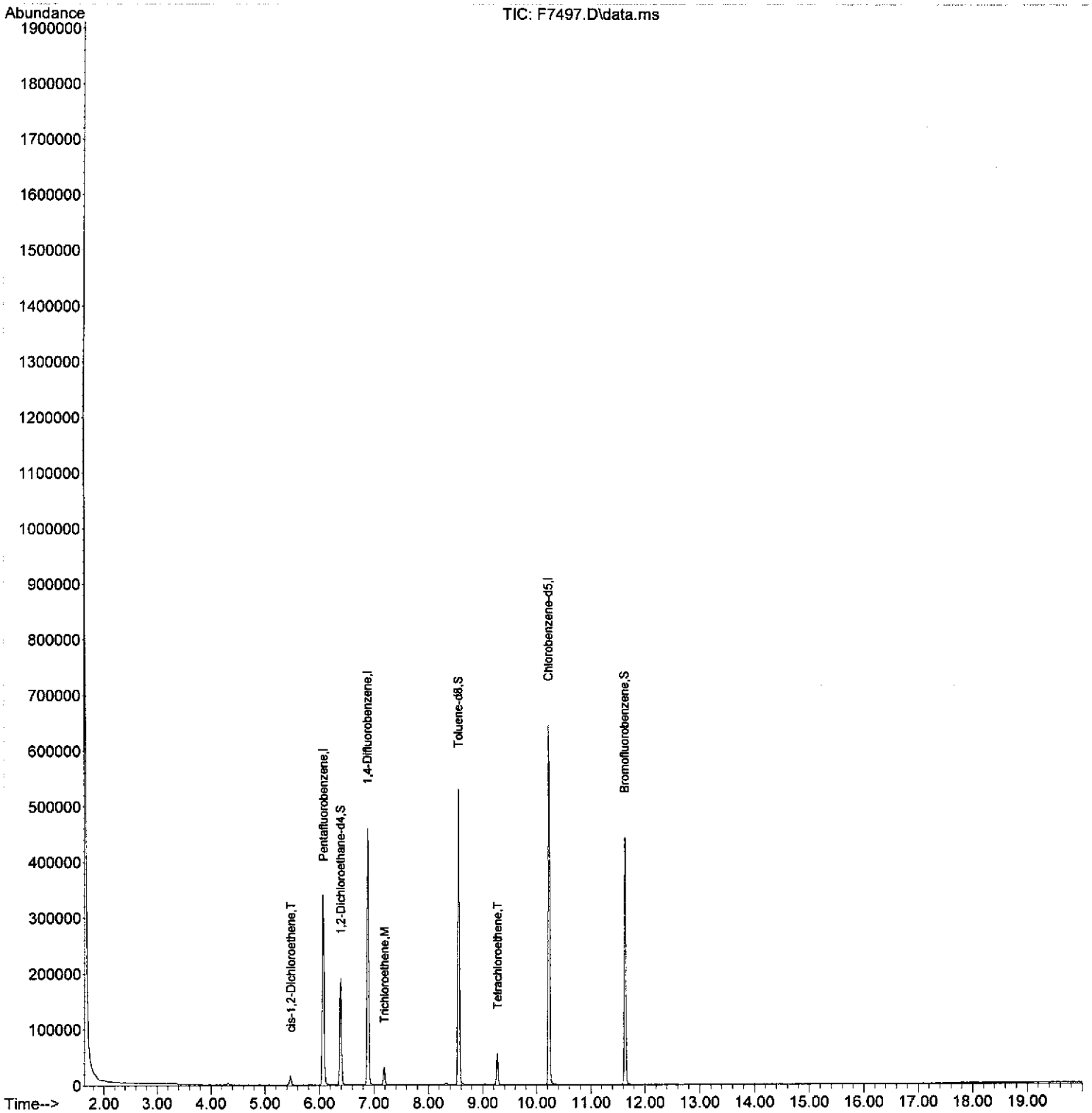
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.073	168	272348	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.885	114	386456	50.00	UG		0.00
50) Chlorobenzene-d5	10.225	117	372296	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.388	65	143307	45.41	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 90.82%				
41) Toluene-d8	8.560	98	383933	43.99	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 87.98%				
59) Bromofluorobenzene	11.626	95	167796	41.65	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 83.30%				
Target Compounds							Qvalue
20) cis-1,2-Dichloroethene	5.474	96	7903	2.55	UG	#	78
33) Trichloroethene	7.190	95	11267	4.00	UG		93
45) Tetrachloroethene	9.271	166	18972	7.60	UG	#	68

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7497.D
Acq On : 29 Oct 2008 15:49
Operator : XING
Sample : OS-MW-2,12330-006,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/22/08,10/24/08,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 08:39:37 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7498.D
Acq On : 29 Oct 2008 16:14
Operator : XING
Sample : GP-103R,12330-007,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/23/08,10/24/08,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 30 08:43:16 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

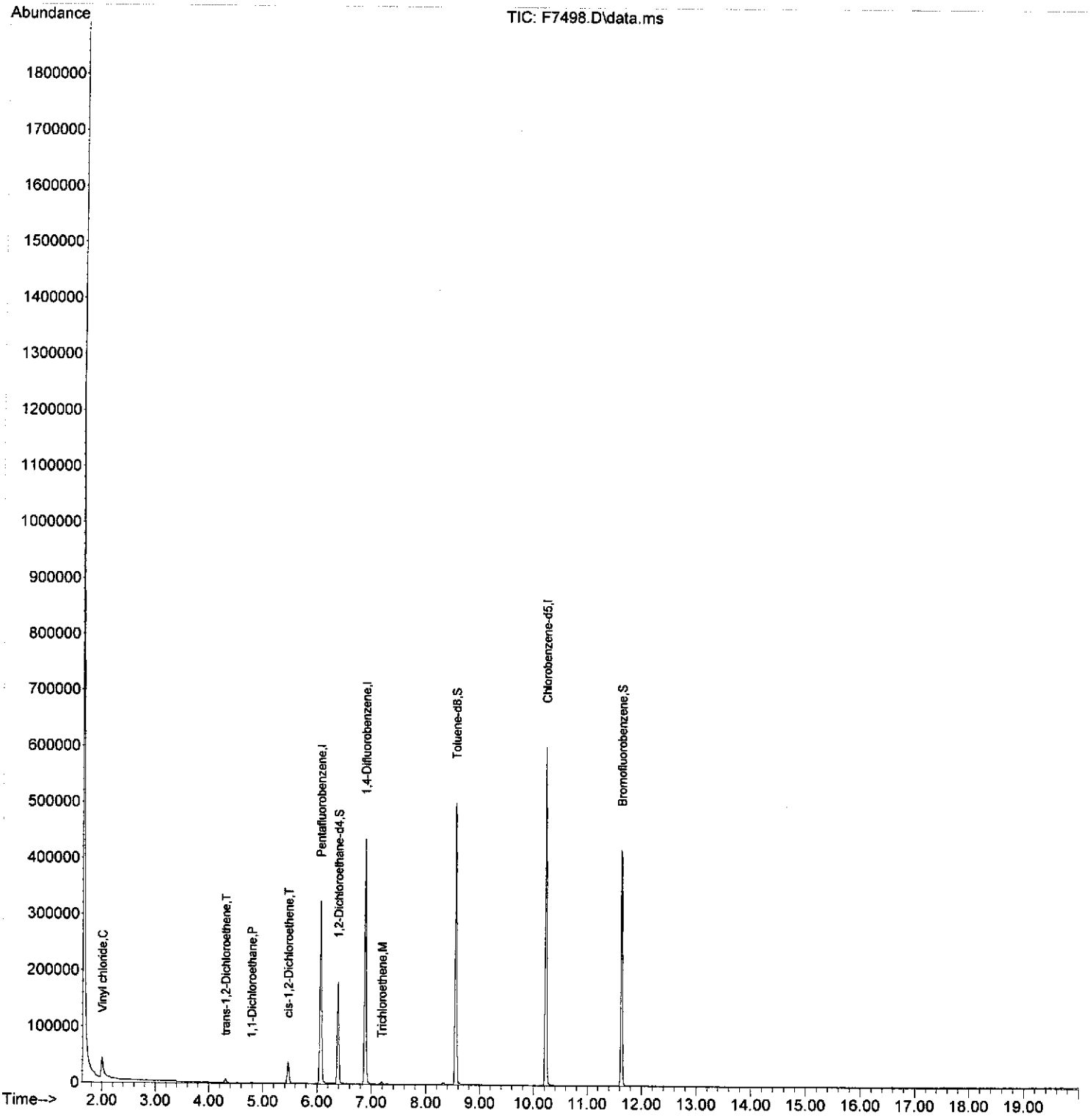
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.063	168	254152	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.885	114	359257	50.00	UG		0.00
50) Chlorobenzene-d5	10.225	117	344554	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.388	65	136364	46.30	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 92.60%				
41) Toluene-d8	8.550	98	355646	43.84	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 87.68%				
59) Bromofluorobenzene	11.626	95	156739	42.04	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 84.08%				
Target Compounds							Qvalue
4) Vinyl chloride	2.002	62	79619	35.24	UG		98
16) trans-1,2-Dichloroethene	4.307	96	1195	0.47	UG	#	28
18) 1,1-Dichloroethane	4.794	63	2175	0.42	UG	#	95
20) cis-1,2-Dichloroethene	5.464	96	18247	6.31	UG	#	40
33) Trichloroethene	7.190	95	1533	0.58	UG		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7498.D
Acq On : 29 Oct 2008 16:14
Operator : XING
Sample : GP-103R,12330-007,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/23/08,10/24/08,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 30 08:43:16 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7504.D
Acq On : 30 Oct 2008 11:46
Operator : XING
Sample : MW-9S,12330-008,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/21/08,10/24/08,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 12:12:16 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

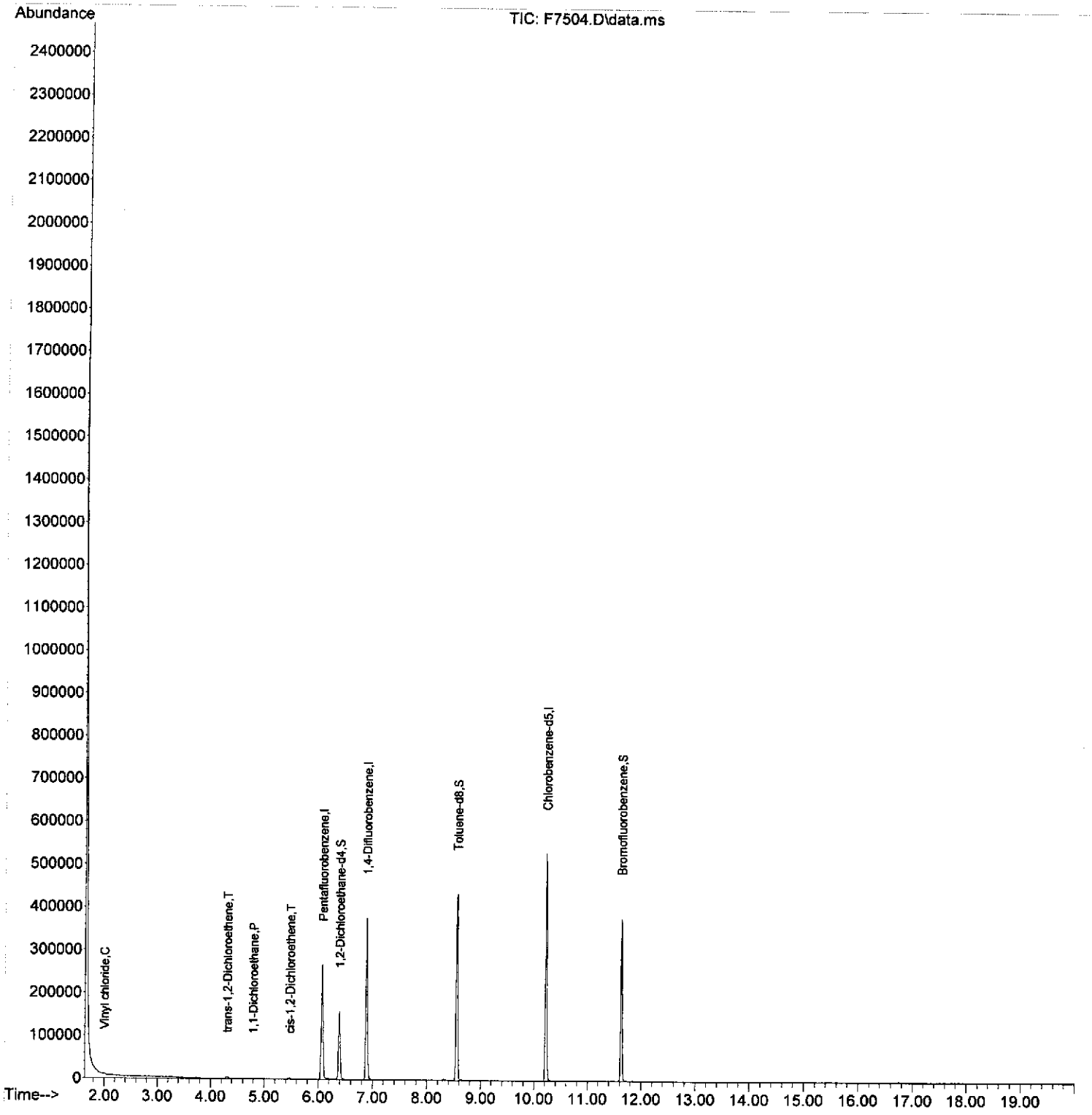
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.073	168	216438	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.885	114	311928	50.00	UG		0.00
50) Chlorobenzene-d5	10.225	117	304478	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.388	65	119609	47.69	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 95.38%				
41) Toluene-d8	8.560	98	309292	43.91	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 87.82%				
59) Bromofluorobenzene	11.626	95	138446	42.02	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 84.04%				
Target Compounds							Qvalue
4) Vinyl chloride	2.002	62	1657	0.86	UG		97
16) trans-1,2-Dichloroethene	4.307	96	1917	0.88	UG	#	30
18) 1,1-Dichloroethane	4.794	63	2303	0.52	UG	#	98
20) cis-1,2-Dichloroethene	5.474	96	1645	0.67	UG	#	40

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7504.D
Acq On : 30 Oct 2008 11:46
Operator : XING
Sample : MW-9S,12330-008,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/21/08,10/24/08,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 12:12:16 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7505.D
Acq On : 30 Oct 2008 12:12
Operator : XING
Sample : MW-HP-2D,12330-009,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/21/08,10/24/08,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 12:41:38 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

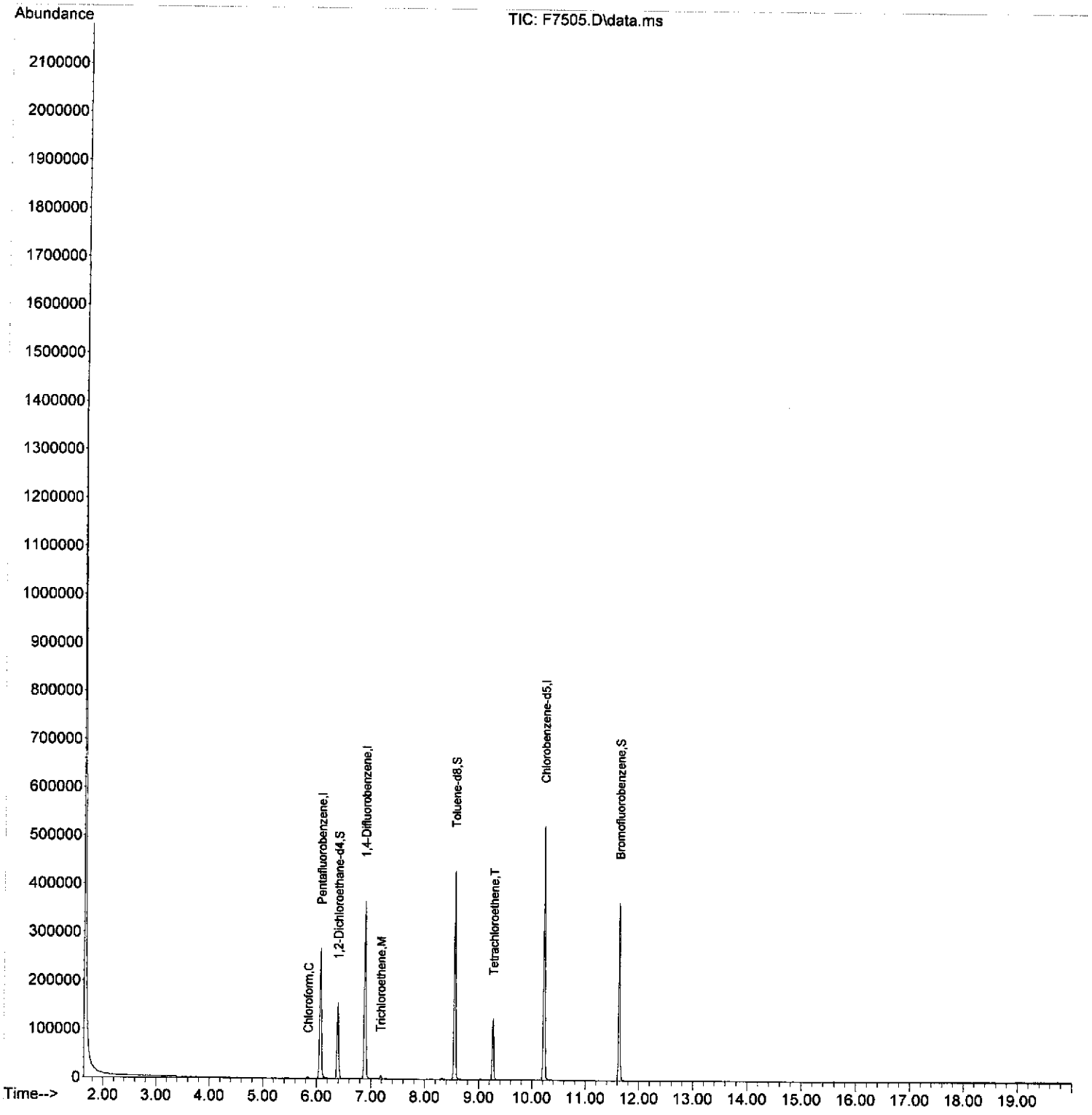
Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene		6.073	168	209007	50.00	UG		0.00
31) 1,4-Difluorobenzene		6.885	114	305090	50.00	UG		0.00
50) Chlorobenzene-d5		10.225	117	296921	50.00	UG		0.00
System Monitoring Compounds								
30) 1,2-Dichloroethane-d4		6.388	65	117093	48.35	UG		0.00
Spiked Amount	50.000	Range 43 - 133		Recovery =	96.70%			
41) Toluene-d8		8.560	98	306276	44.45	UG		0.00
Spiked Amount	50.000	Range 39 - 137		Recovery =	88.90%			
59) Bromofluorobenzene		11.626	95	133623	41.59	UG		0.00
Spiked Amount	50.000	Range 23 - 145		Recovery =	83.18%			
Target Compounds								Qvalue
25) Chloroform		5.840	83	2784	0.74	UG		97
33) Trichloroethene		7.180	95	2305	1.04	UG		90
45) Tetrachloroethene		9.271	166	42449	21.53	UG	#	68

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7505.D
Acq On : 30 Oct 2008 12:12
Operator : XING
Sample : MW-HP-2D,12330-009,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/21/08,10/24/08,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 12:41:38 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7506.D
Acq On : 30 Oct 2008 12:38
Operator : XING
Sample : MW-9D,12330-010,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/21/08,10/24/08,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 30 13:13:21 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.073	168	196235	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.885	114	286413	50.00	UG	0.00
50) Chlorobenzene-d5	10.225	117	278247	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.388	65	110598	48.64	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 97.28%			
41) Toluene-d8	8.560	98	287005	44.37	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 88.74%			
59) Bromofluorobenzene	11.626	95	125121	41.56	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 83.12%			

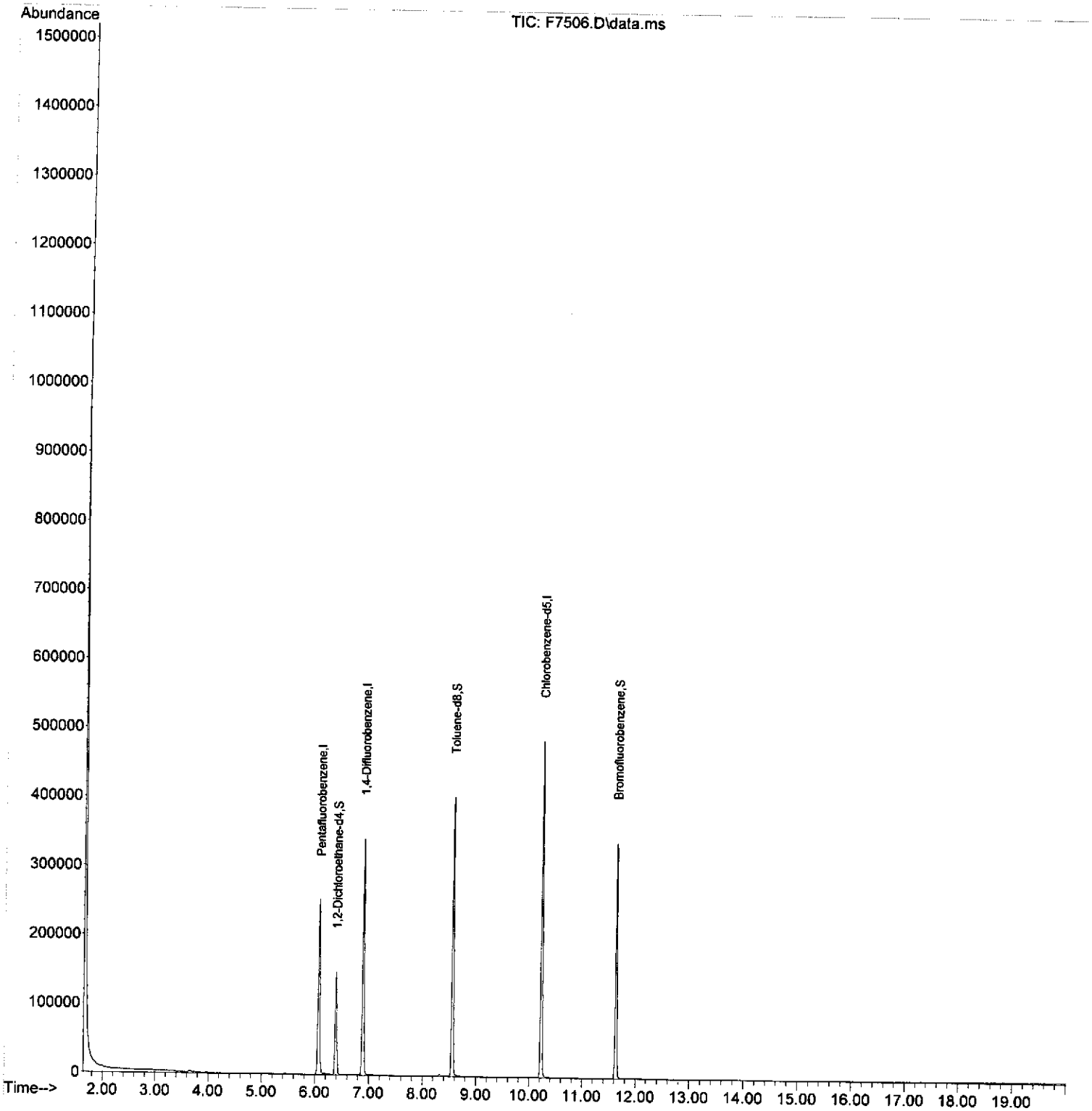
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7506.D
Acq On : 30 Oct 2008 12:38
Operator : XING
Sample : MW-9D,12330-010,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/21/08,10/24/08,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 30 13:13:21 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7507.D
Acq On : 30 Oct 2008 13:04
Operator : XING
Sample : MW-HP-2S,12330-011,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/21/08,10/24/08,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 13:27:17 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

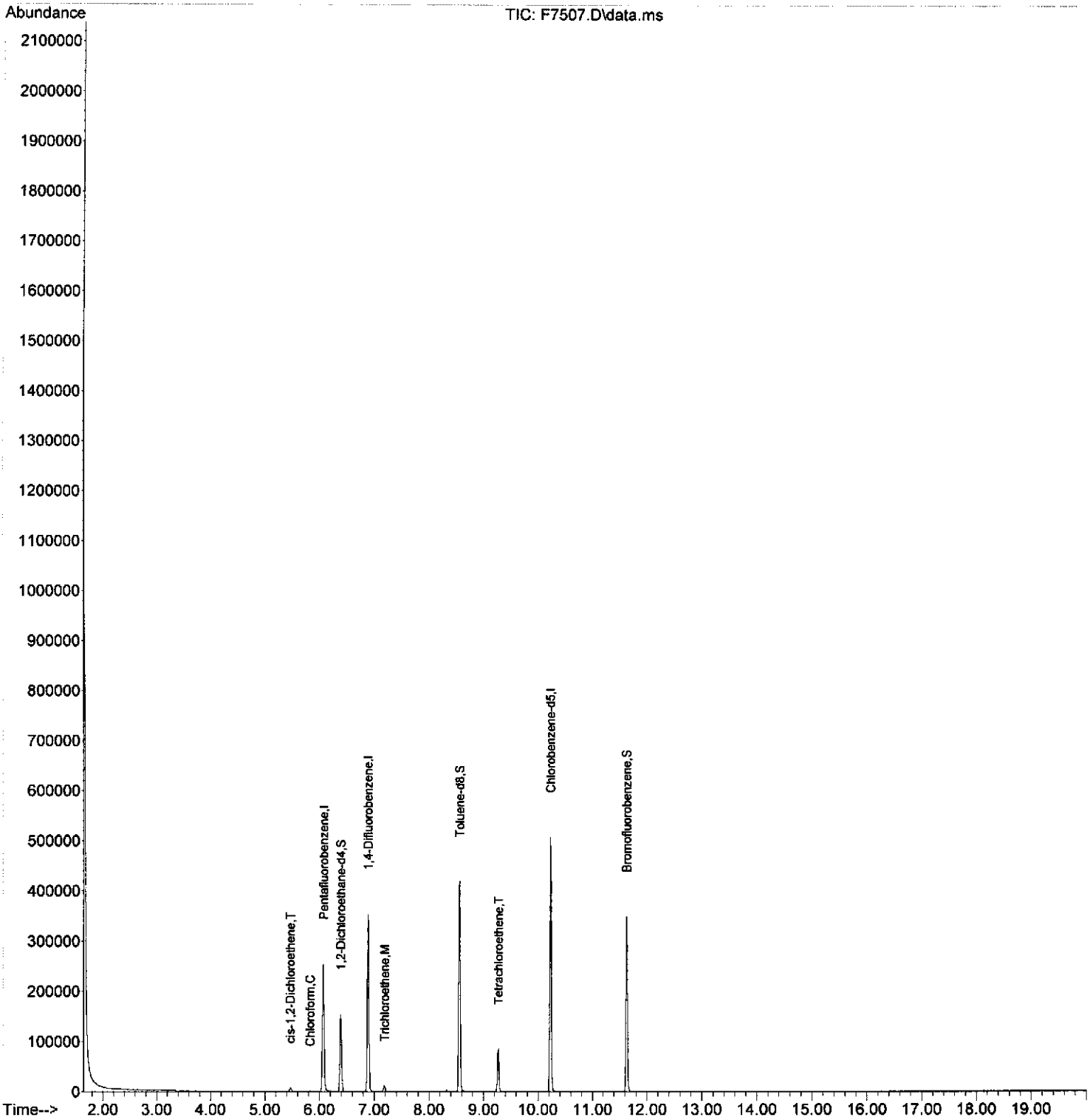
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.073	168	200170	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.885	114	292484	50.00	UG		0.00
50) Chlorobenzene-d5	10.225	117	287702	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.388	65	113685	49.01	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 98.02%				
41) Toluene-d8	8.560	98	296514	44.89	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 89.78%				
59) Bromofluorobenzene	11.626	95	128004	41.12	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 82.24%				
Target Compounds							Qvalue
20) cis-1,2-Dichloroethene	5.464	96	3545	1.56	UG		94
25) Chloroform	5.829	83	1193	0.33	UG	#	65
33) Trichloroethene	7.190	95	4158	1.95	UG		90
45) Tetrachloroethene	9.271	166	28804	15.24	UG	#	68

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7507.D
Acq On : 30 Oct 2008 13:04
Operator : XING
Sample : MW-HP-2S,12330-011,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/21/08,10/24/08,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 13:27:17 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7511.D
Acq On : 30 Oct 2008 14:47
Operator : XING
Sample : MW-13R,12330-012,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/22/08,10/24/08,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 15:14:51 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

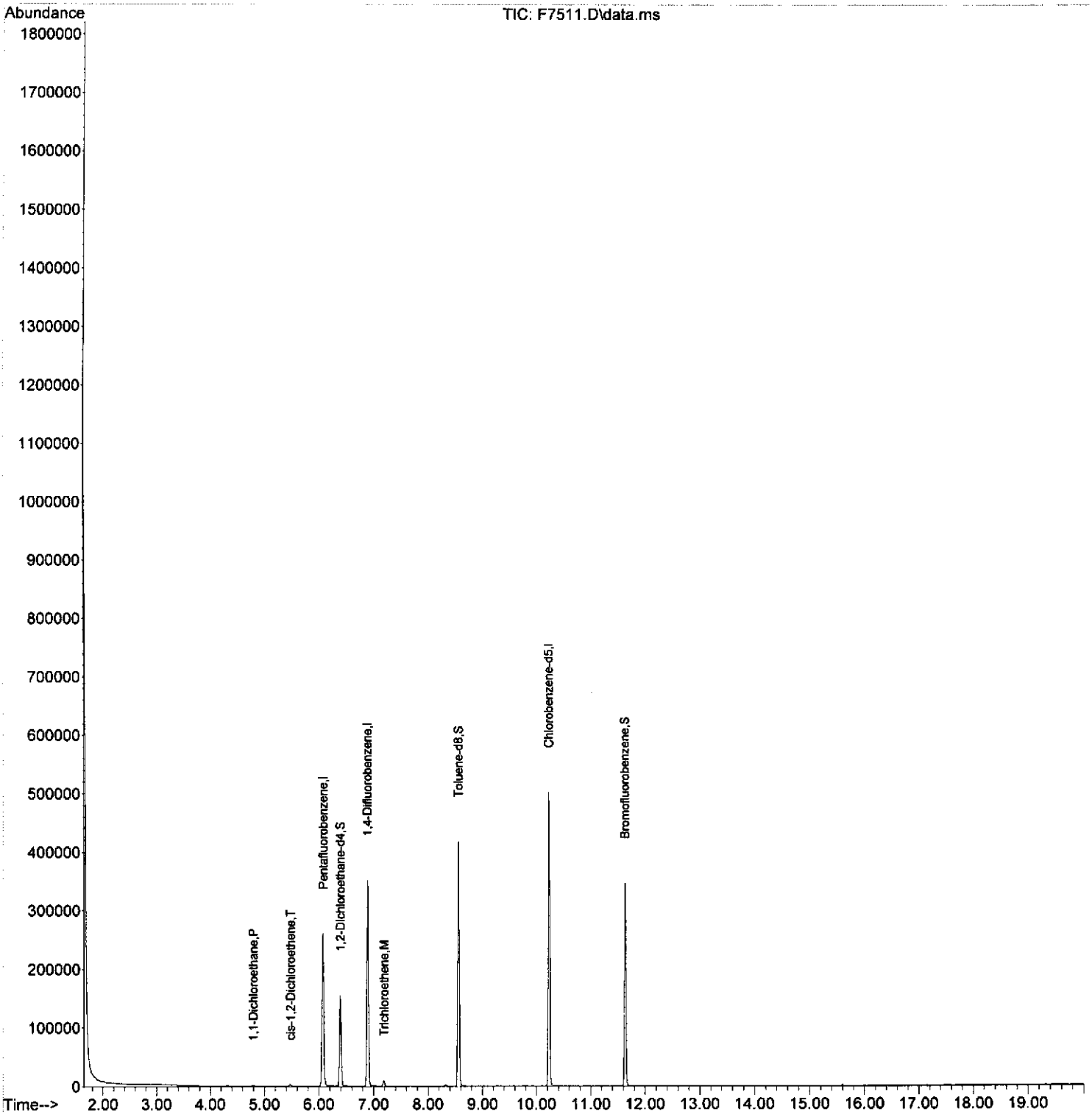
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.073	168	202952	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.885	114	296317	50.00	UG	0.00
50) Chlorobenzene-d5	10.225	117	283841	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.388	65	115427	49.08	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 98.16%			
41) Toluene-d8	8.560	98	296205	44.26	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 88.52%			
59) Bromofluorobenzene	11.626	95	126424	41.16	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 82.32%			
Target Compounds						Qvalue
18) 1,1-Dichloroethane	4.794	63	2534	0.61	UG	# 99
20) cis-1,2-Dichloroethene	5.474	96	1495	0.65	UG	# 37
33) Trichloroethene	7.190	95	3511	1.62	UG	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7511.D
Acq On : 30 Oct 2008 14:47
Operator : XING
Sample : MW-13R,12330-012,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/22/08,10/24/08,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 15:14:51 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7512.D
Acq On : 30 Oct 2008 15:13
Operator : XING
Sample : GP-104R,12330-013,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/23/08,10/24/08,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 15:38:49 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

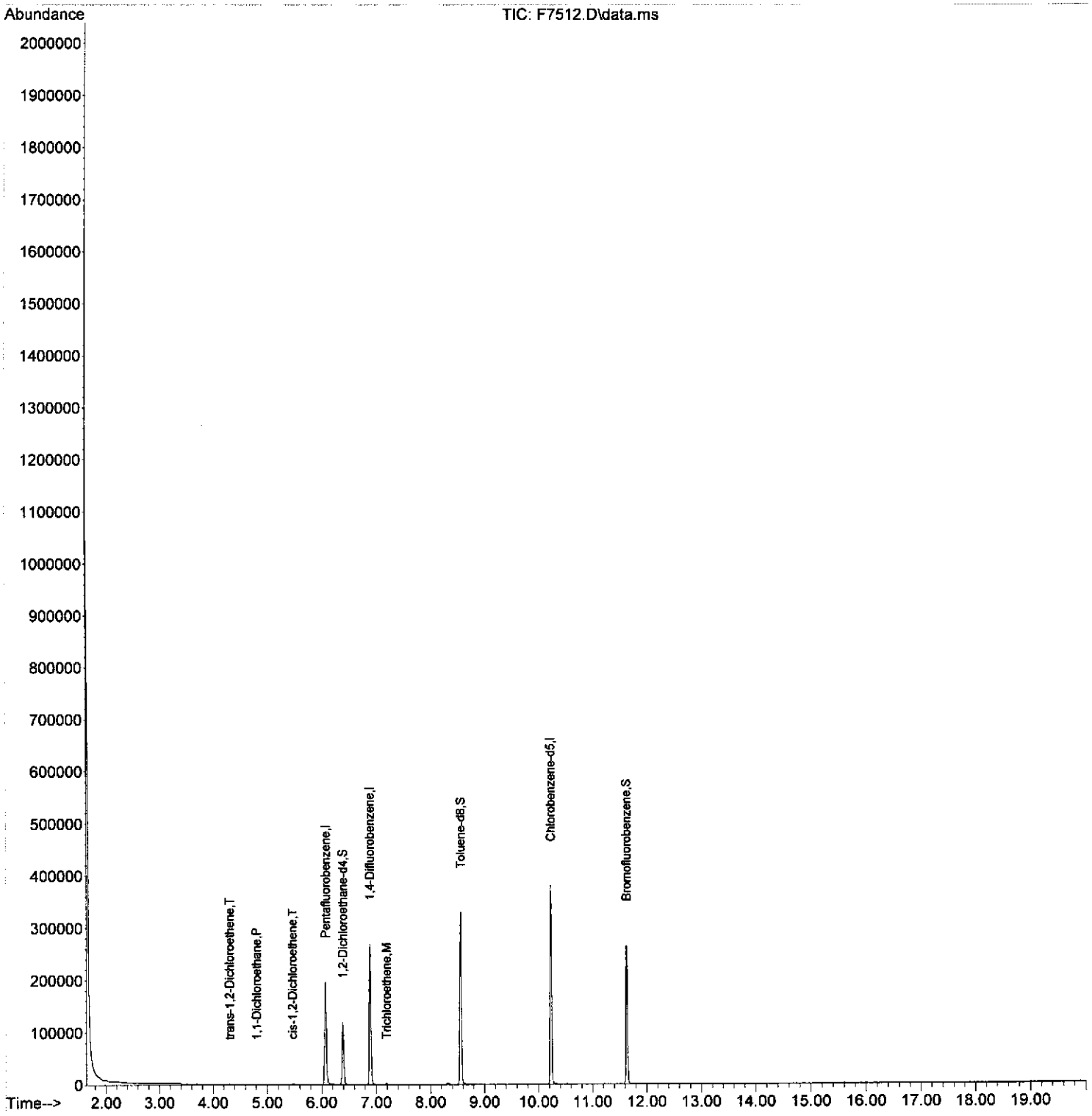
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.073	168	151821	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.885	114	226428	50.00	UG	0.00
50) Chlorobenzene-d5	10.225	117	217924	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.388	65	89325	50.77	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 101.54%			
41) Toluene-d8	8.560	98	226708	44.34	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 88.68%			
59) Bromofluorobenzene	11.626	95	97943	41.54	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 83.08%			
Target Compounds						Qvalue
16) trans-1,2-Dichloroethene	4.307	96	700	0.46	UG	# 30
18) 1,1-Dichloroethane	4.804	63	1781	0.57	UG	# 98
20) cis-1,2-Dichloroethene	5.464	96	1018	0.59	UG	# 25
33) Trichloroethene	7.190	95	665	0.40	UG	# 83

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7512.D
Acq On : 30 Oct 2008 15:13
Operator : XING
Sample : GP-104R,12330-013,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/23/08,10/24/08,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 15:38:49 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7513.D
Acq On : 30 Oct 2008 15:39
Operator : XING
Sample : PTW-2,12330-014,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/23/08,10/24/08,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 30 16:04:51 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

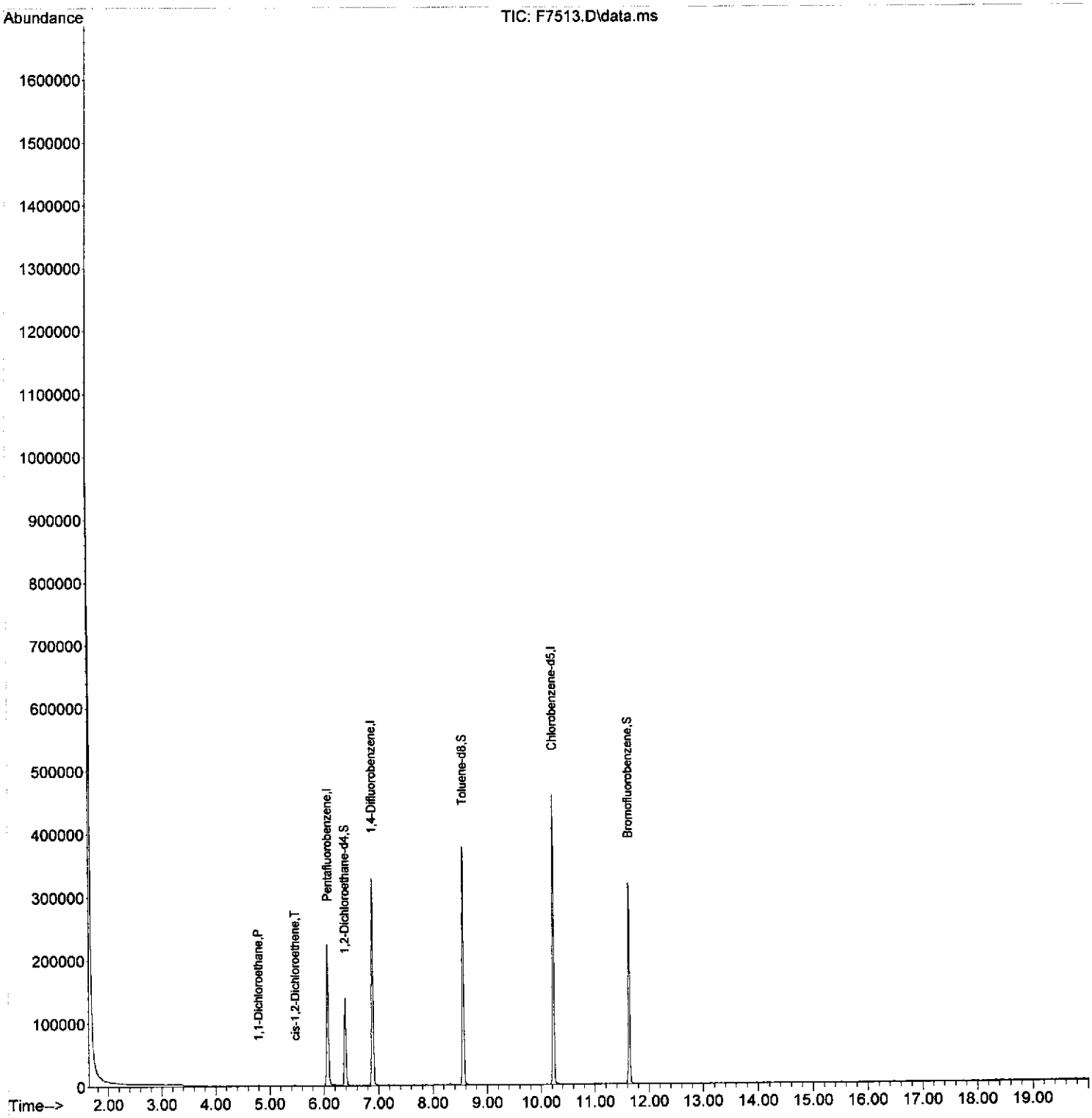
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.073	168	180303	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.885	114	268623	50.00	UG	0.00
50) Chlorobenzene-d5	10.225	117	256657	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.388	65	103923	49.74	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 99.48%			
41) Toluene-d8	8.560	98	265808	43.82	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 87.64%			
59) Bromofluorobenzene	11.626	95	116578	41.98	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 83.96%			
Target Compounds						Qvalue
18) 1,1-Dichloroethane	4.794	63	2423	0.66	UG	# 86
20) cis-1,2-Dichloroethene	5.474	96	811	0.40	UG	# 84

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7513.D
Acq On : 30 Oct 2008 15:39
Operator : XING
Sample : PTW-2,12330-014,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/23/08,10/24/08,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 30 16:04:51 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7514.D
Acq On : 30 Oct 2008 16:05
Operator : XING
Sample : MW-6S,12330-015,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/23/08,10/24/08,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 07:46:24 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

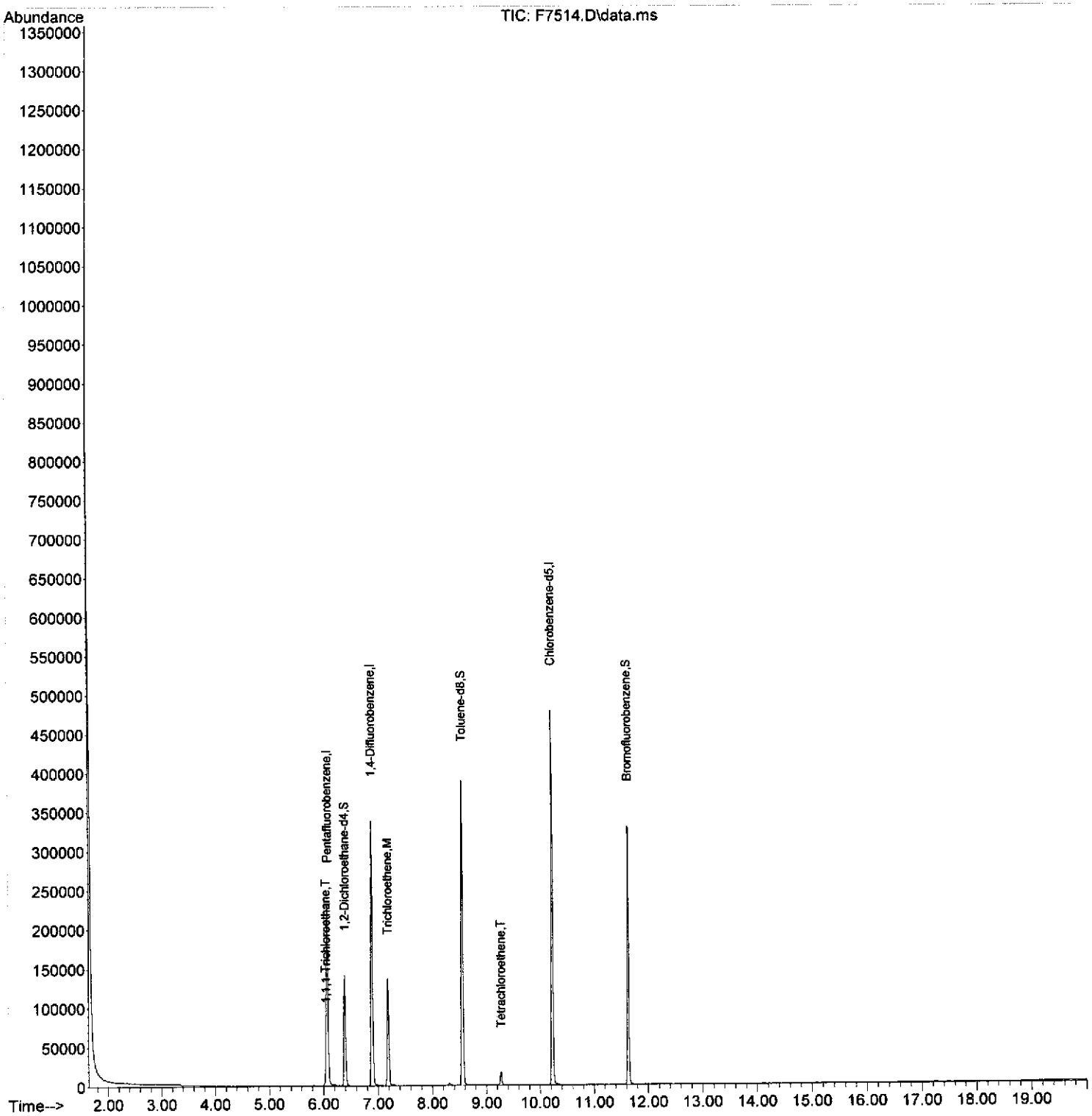
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.073	168	181679	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.885	114	274847	50.00	UG		0.00
50) Chlorobenzene-d5	10.225	117	268620	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.388	65	105593	50.16	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 100.32%				
41) Toluene-d8	8.560	98	275040	44.31	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 88.62%				
59) Bromofluorobenzene	11.626	95	119607	41.15	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 82.30%				
Target Compounds							Qvalue
26) 1,1,1-Trichloroethane	6.043	97	9645	4.22	UG	#	34
33) Trichloroethene	7.180	95	48388	24.12	UG		90
45) Tetrachloroethene	9.271	166	5738	3.23	UG	#	68

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7514.D
Acq On : 30 Oct 2008 16:05
Operator : XING
Sample : MW-6S,12330-015,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/23/08,10/24/08,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 07:46:24 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7515.D
Acq On : 30 Oct 2008 16:31
Operator : XING
Sample : TB-(102108),12330-016,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/21/08,10/24/08,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 31 07:50:19 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.073	168	216912	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.885	114	320773	50.00	UG	0.00
50) Chlorobenzene-d5	10.225	117	308254	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.388	65	122315	48.66	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 97.32%			
41) Toluene-d8	8.560	98	323616	44.67	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 89.34%			
59) Bromofluorobenzene	11.626	95	132345	39.68	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 79.36%			

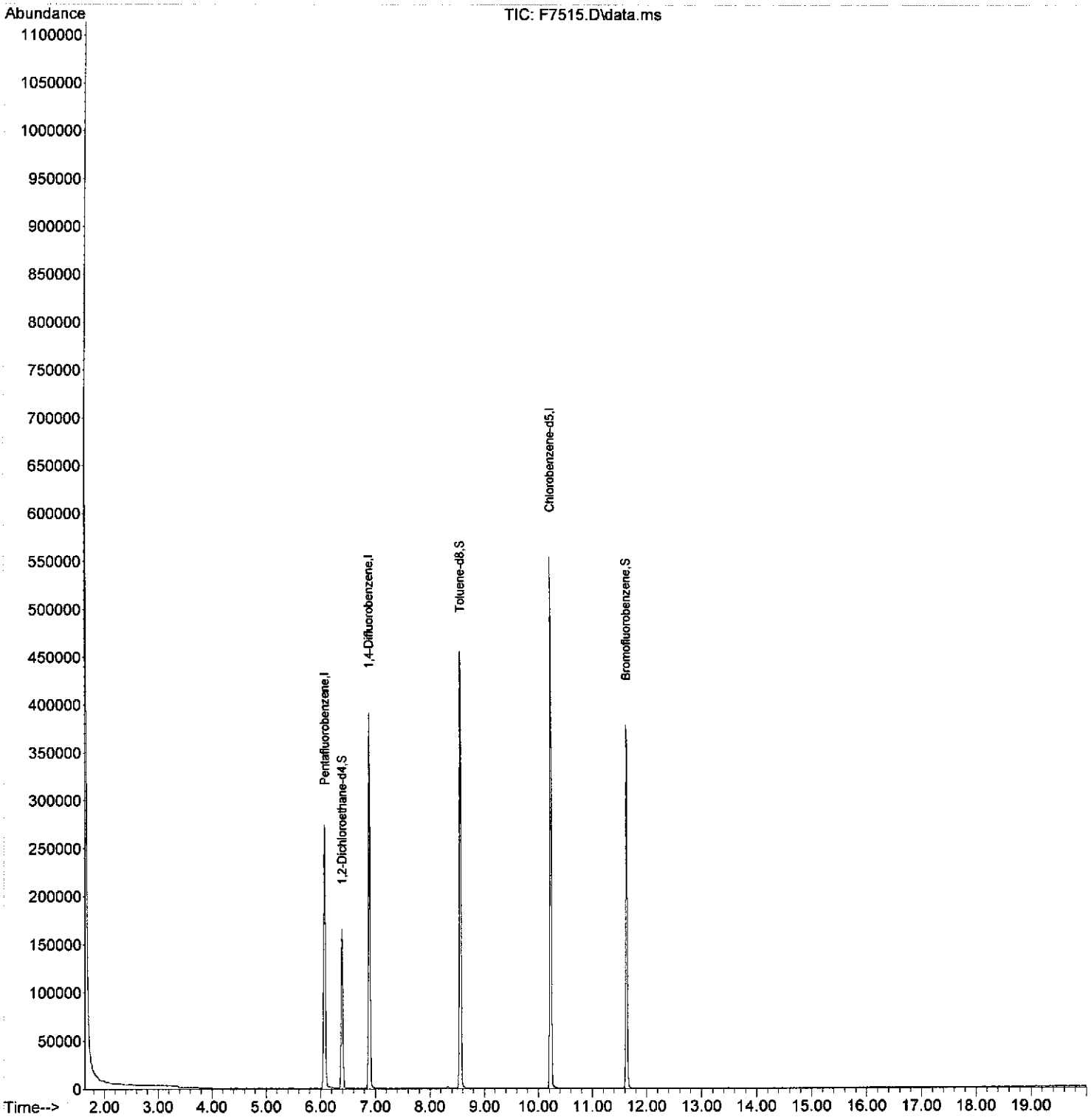
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7515.D
Acq On : 30 Oct 2008 16:31
Operator : XING
Sample : TB-(102108),12330-016,A,5ml,100
Misc : AGM-ALBNY/KINGS_EL,10/21/08,10/24/08,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 31 07:50:19 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



0073

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7486.D
Acq On : 29 Oct 2008 11:03
Operator : XING
Sample : N/A,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 13:07:18 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.073	168	337378	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.885	114	480850	50.00	UG	0.00
50) Chlorobenzene-d5	10.225	117	461769	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.388	65	159432	40.78	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 81.56%			
41) Toluene-d8	8.560	98	469679	43.25	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 86.50%			
59) Bromofluorobenzene	11.626	95	215137	43.06	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 86.12%			

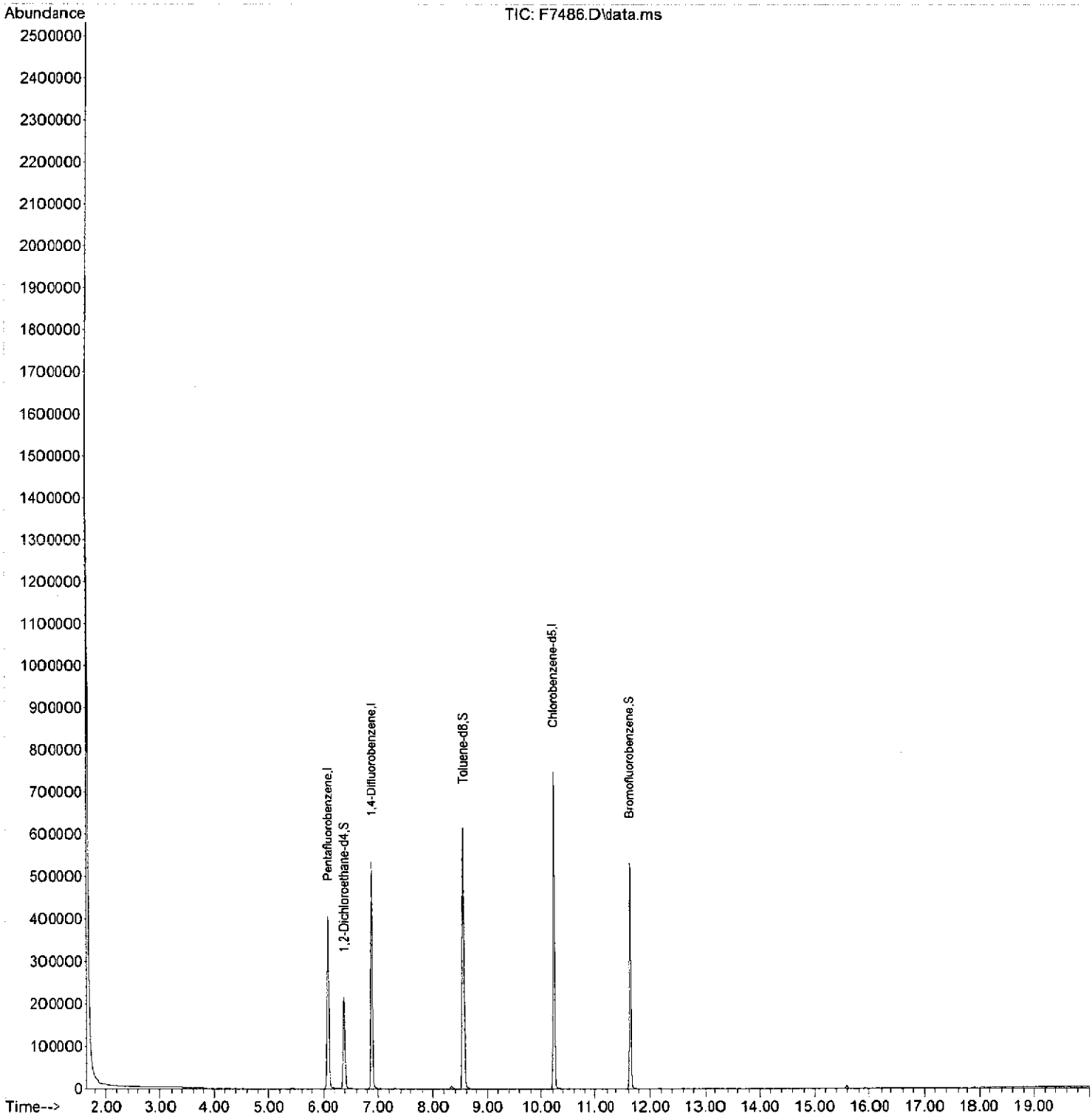
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7486.D
Acq On : 29 Oct 2008 11:03
Operator : XING
Sample : N/A,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 13:07:18 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7486.D
Acq On : 29 Oct 2008 11:03
Operator : XING
Sample : N/A,METHOD-BLK,A,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\FAW1007.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B

Signal : TIC: F7486.

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.063	430	437	452	rBV	404838	902848	65.92%	14.918%
2	6.388	462	469	484	rVB	215271	443983	32.42%	7.336%
3	6.885	510	518	536	rBV	535664	1071533	78.23%	17.705%
4	8.327	652	660	673	rBV	5749	17090	1.25%	0.282%
5	8.550	675	682	701	rVV	614858	1254298	91.58%	20.725%
6	10.225	837	847	865	rBV	747627	1369674	100.00%	22.631%
7	11.626	977	985	995	rBV	532000	992761	72.48%	16.403%

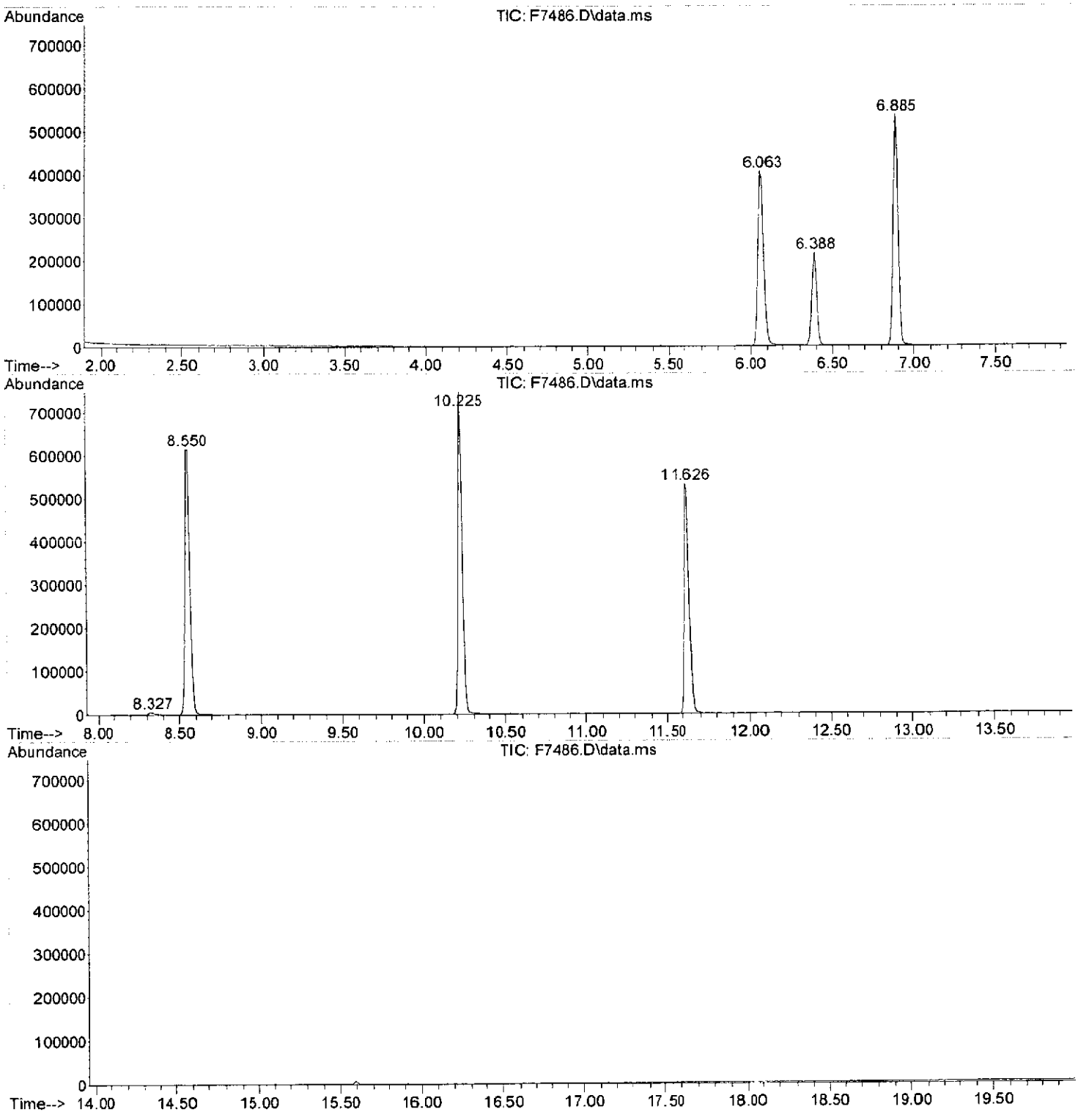
Sum of corrected areas: 6052187

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\10-29-08\
Data File : F7486.D
Acq On : 29 Oct 2008 11:03
Operator : XING
Sample : N/A,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7503.D
Acq On : 30 Oct 2008 11:21
Operator : XING
Sample : BLK,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 30 11:54:31 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.063	168	253572	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.885	114	364166	50.00	UG	0.00
50) Chlorobenzene-d5	10.225	117	348036	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.388	65	137879	46.93	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 93.86%			
41) Toluene-d8	8.550	98	362346	44.06	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 88.12%			
59) Bromofluorobenzene	11.626	95	154043	40.91	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 81.82%			

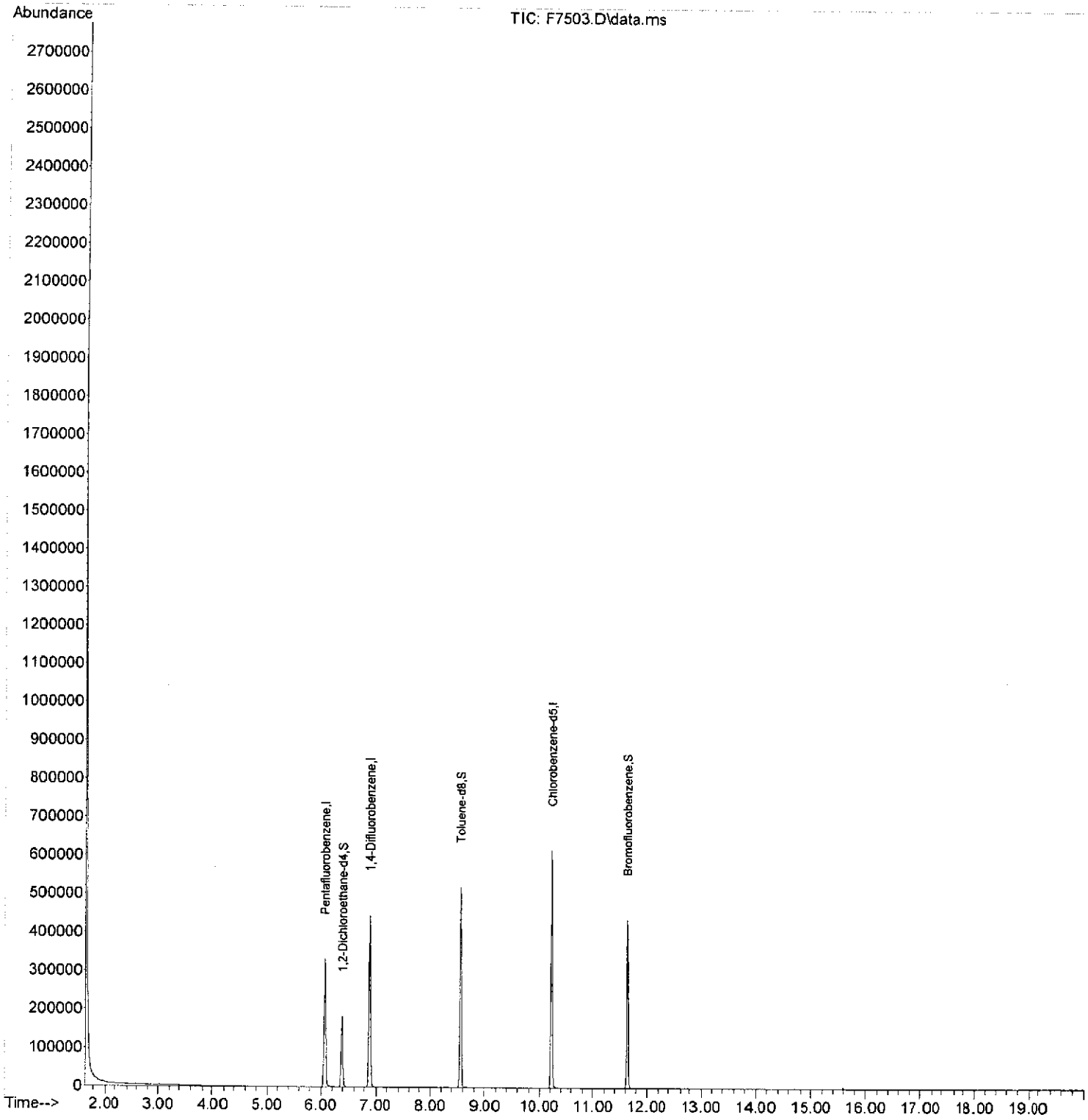
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7503.D
Acq On : 30 Oct 2008 11:21
Operator : XING
Sample : BLK,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 30 11:54:31 2008
Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B
QLast Update : Thu Oct 09 10:01:26 2008
Response via : Initial Calibration



LSC Area Percent Report

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7503.D
Acq On : 30 Oct 2008 11:21
Operator : XING
Sample : BLK,METHOD-BLK,A,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\FAW1007.M
Title : VOLATILE ORGANICS BY EPA METHOD 8260B

Signal : TIC: F7503.

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.063	430	437	450	rBV	331139	697710	64.57%	14.657%
2	6.388	462	469	480	rVB	181955	378572	35.04%	7.953%
3	6.885	512	518	538	rBV	444300	851606	78.82%	17.890%
4	8.550	674	682	699	rBV	521395	997433	92.31%	20.954%
5	10.225	841	847	866	rBV	617333	1080482	100.00%	22.699%
6	11.626	978	985	997	rBB	437142	754335	69.81%	15.847%

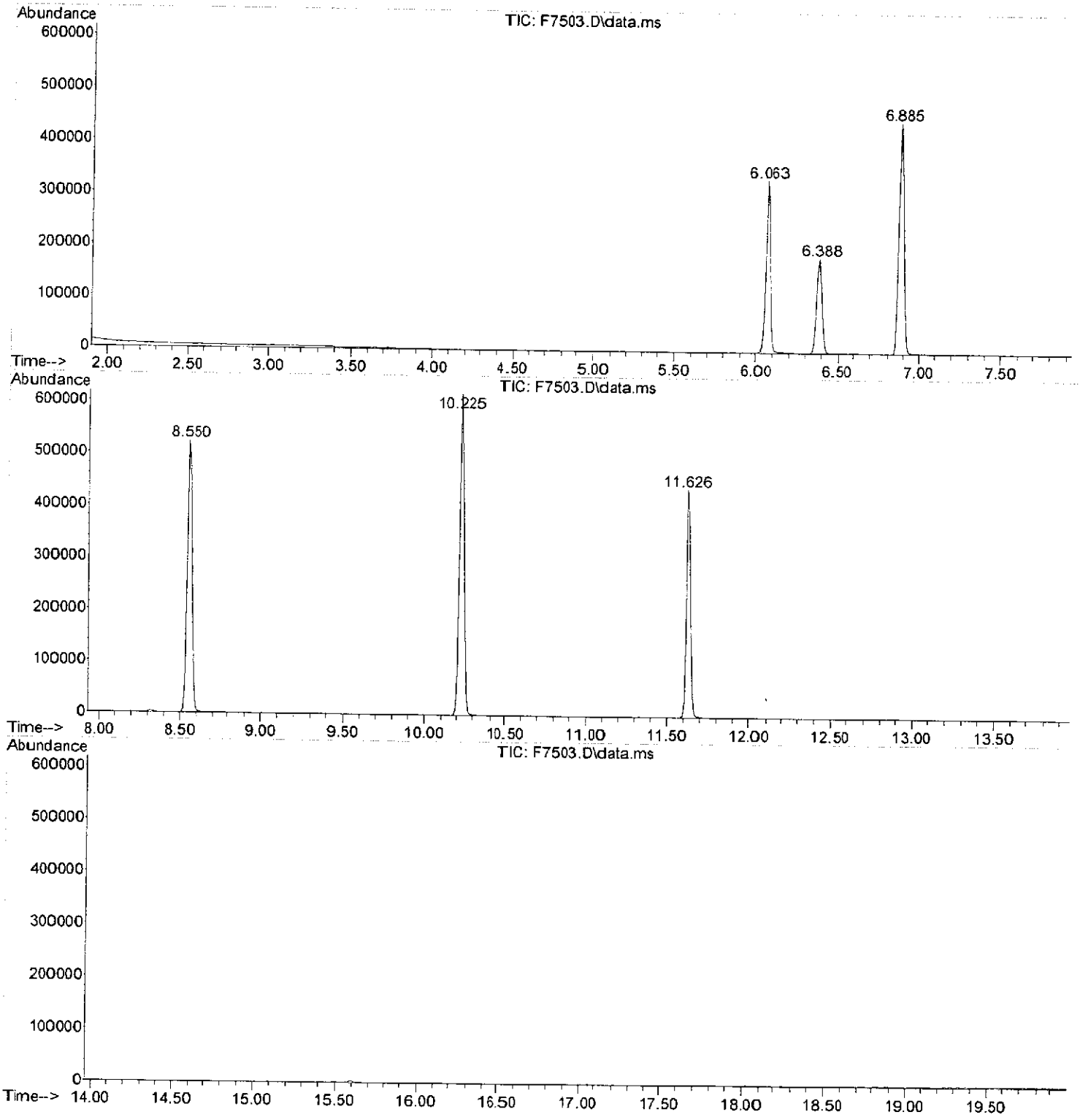
Sum of corrected areas: 4760138

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\DATA\10-30-08\
Data File : F7503.D
Acq On : 30 Oct 2008 11:21
Operator : XING
Sample : BLK,METHOD-BLK,A,5ml,100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\FAW1007.M
Quant Title : VOLATILE ORGANICS BY EPA METHOD 8260B

TIC Library : C:\DATABASE\NIST98.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	
Company:	ARCADIS - US
Address:	1 International Blvd, Ste 1
	Mahwah, NJ 07495
Telephone #:	201.684.1410
Fax #:	201.684.1420
Project Manager:	Eric Rodriguez
Sampler:	D. Kirschner, V. Myers
Project Name:	NJ000423.0005.00003
Project Location (State):	Tuckahoe, NJ
Bottle Order #:	
Quote # :	

REPORTING INFO	
REPORT TO:	ARCADIS-US
Address:	1 International Blvd.
	Mahwah, NJ 07495
Attn:	Eric Rodriguez
FAX #	201.684.1420
INVOICE TO:	ARCADIS-US
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.)

SEE BELOW (under comments section for explanation)

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)

DISKETTE: SRP. dbf format; SRP.wk1 format; lab approved custom EDD; NO DISK/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

ANALYTICAL PARAMETERS

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	VOC CS1,2 DCE	# BOTTLES & PRESERVATIVES: HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
FB-(102108)	—	10/21/08	10:05	FB	2	1	2	2							
FB-(102208)	—	10/22/08	09:25	FB	2	2	2	2							
FB-(102308)	—	10/23/08	08:50	FB	2	3	2	2							
OS-mw-3PL	—	10/22/08	11:42	AQ	2	4	2	2							
OS-mw-1	—	10/22/08	09:52	AQ	2	5	2	2							
OS-mw-2	—	10/22/08	11:13	AQ	2	6	2	2							
GP-103R	—	10/23/08	10:52	AQ	2	7	2	2							
MW-9S	—	10/21/08	12:52	AQ	2	8	2	2							
MW-HP-2D	—	10/21/08	11:17	AQ	2	9	2	2							
MW-9D	—	10/21/08	12:53	AQ	2	10	2	2							

Known Hazard: Yes or (No) Describe:

Conc. Expected: Low Med High

MDL Req: Old GWQS - 11/05 GWQS - SCC - 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:		10/24/08	1200	Received by:
Relinquished by:		10/24/08	1636	Received by:
Relinquished by:				Received by:
Relinquished by:				Received by:
Relinquished by:				Received by:

Comments:

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

Lab Case # 12330

PAGE: 1 of 2

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01/2007 rev

Ref. No: G 3306001BK

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

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER	
Company:	ARCADIS-US
Address:	1 International Blvd Mahwah, NJ 07495
Telephone #:	201.684.A10
Fax #:	201.684.1420
Project Manager:	Eric Rodriguez
Sampler:	D.Kirschner, V.Myers
Project Name:	Ames Electronics
Project Location (State):	Tuckahoe, NY
Bottle Order #:	
Quote # :	

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

SEE BELOW (under comments section for explanation)

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)

DISKETTE
SRP. dbf format
SRP.wk1 format
lab approved custom EDD
NO DISK/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

ANALYTICAL PARAMETERS

VOC CB 1,2 DCE

 # BOTTLES & PRESERVATIVES

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
MW-HP-2S	—	10/21/08	11:21	AQ	2	11	2							
MW-13R	—	10/22/08	09:42	AQ	2	12	2							
GP-10R	—	10/23/08	13:04	AQ	2	13	2							
PW-2	—	10/23/08	12:37	AQ	2	14	2							
MW-6S	—	10/23/08	10:23	AQ	2	15	2							
TB-(102108)	—	10/21/08	—	AB	2	16	2							

Known Hazard: Yes or No Describe:

Conc. Expected: Low Med High

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

MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)

Signature/Company	Date	Time	Signature/Company
Relinquished by:	10/24/08	1200	Received by:
Relinquished by:	10/24/08	1636	Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

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

Lab Case # 12330

PAGE: 2 of 2

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

01/2007 rev

PROJECT INFORMATION

E08-12330

Case No. E08-12330 **Project KINGS ELECTRONICS - NJ000423.0005.00003**

Customer	Arcadis Geraghty & Miller - Albany	**P.O. #**	NJ000423.0005.0000
Contact	Eric Rodriguez	**Received**	10/24/2008 16:36
EMail	eric.rodriguez@arcadis-us.com ☐ EMail EDDs	**Verbal Due**	11/7/2008
Phone	(518) 452-7826 **Fax** 1(518) 452-4398	**Report Due**	11/14/2008

Report To

465 New Korner Road

Albany, NY 12205

Attn: Eric Rodriguez

Bill To

465 New Korner Road

Albany, NY 12205

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
12330-001	FB-(102108)	n/a	10/21/2008@10:05	Aqueous	ug/L	2
12330-002	FB-(102208)	n/a	10/22/2008@09:25	Aqueous	ug/L	2
12330-003	FB-(102308)	n/a	10/23/2008@08:50	Aqueous	ug/L	2
12330-004	OS-MW-3PL	n/a	10/22/2008@11:42	Aqueous	ug/L	2
12330-005	OS-MW-1	n/a	10/22/2008@09:52	Aqueous	ug/L	2
12330-006	OS-MW-2	n/a	10/22/2008@11:13	Aqueous	ug/L	2
12330-007	GP-103R	n/a	10/23/2008@10:52	Aqueous	ug/L	2
12330-008	MW-9S	n/a	10/21/2008@12:52	Aqueous	ug/L	2
12330-009	MW-HP-2D	n/a	10/21/2008@11:17	Aqueous	ug/L	2
12330-010	MW-9D	n/a	10/21/2008@12:53	Aqueous	ug/L	2
12330-011	MW-HP-2S	n/a	10/21/2008@11:21	Aqueous	ug/L	2
12330-012	MW-13R	n/a	10/22/2008@09:42	Aqueous	ug/L	2
12330-013	GP-104R	n/a	10/23/2008@13:04	Aqueous	ug/L	2
12330-014	PTW-2	n/a	10/23/2008@12:37	Aqueous	ug/L	2
12330-015	MW-6S	n/a	10/23/2008@10:23	Aqueous	ug/L	2
12330-016	TB-(102108)	n/a	10/21/2008	Aqueous	ug/L	2

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

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

PROJECT INFORMATION

E 0 8 - 1 2 3 3 0

Case No. E08-12330 **Project KINGS ELECTRONICS - NJ000423.0005.00003**

Sample #	Tests	Status	QA Method
013	PP VOA + Cis 1,2-DCE	Run	8260B
014	PP VOA + Cis 1,2-DCE	Run	8260B
015	PP VOA + Cis 1,2-DCE	Run	8260B
016	PP VOA + Cis 1,2-DCE	Run	8260B

10/29/2008 08:28 by kim - REV 1

As per Eric Rodriguez, sample 9 sample ID should read MW-HP-2D

10/29/2008 08:31 by kim - NOTE 1

As per Eric Rodriguez, please e-mail results to eric.rogriguez@arcadis.us.com

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INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 08** **12330** 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'
- [ ] Sample to be Subcontracted

[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 10/24/08

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

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

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [ ] DATE 10/27/08

Laboratory Custody Chronicle

IAL Case No.

E08-12330

Client Arcadis Geraghty & Miller - Albany

Project KINGS ELECTRONICS - NJ000423.0005.00003

Received On 10/24/2008@16:36

Department: Volatiles

			Prep. Date	***Analyst***	***Analysis Date***	***Analyst***
PP VOA + Cis 1,2-DCE	12330-001	Aqueous	n/a	n/a	10/29/08	Xing
"	-002	"	n/a	n/a	10/29/08	Xing
"	-003	"	n/a	n/a	10/29/08	Xing
"	-004	"	n/a	n/a	10/29/08	Xing
"	-005	"	n/a	n/a	10/29/08	Xing
"	-006	"	n/a	n/a	10/29/08	Xing
"	-007	"	n/a	n/a	10/29/08	Xing
"	-008	"	n/a	n/a	10/30/08	Xing
"	-009	"	n/a	n/a	10/30/08	Xing
"	-010	"	n/a	n/a	10/30/08	Xing
"	-011	"	n/a	n/a	10/30/08	Xing
"	-012	"	n/a	n/a	10/30/08	Xing
"	-013	"	n/a	n/a	10/30/08	Xing
"	-014	"	n/a	n/a	10/30/08	Xing
"	-015	"	n/a	n/a	10/30/08	Xing
"	-016	"	n/a	n/a	10/30/08	Xing

Review and Approval:

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 Road
Albany, NY 12205

Project Name: **KINGS ELECTRIC - VENDOR #1168636**
IAL Case Number: **E09-00763**

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.

E09-00763

Client Arcadis Geraghty & Miller

Project KINGS ELECTRIC - VENDOR #1168636

Received On 1/23/2009@17:08

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
00763-001	MW-HP-2D	n/a	1/20/2009@09:10	Aqueous	2
00763-002	MW-HP-2S	n/a	1/20/2009@10:26	Aqueous	2
00763-003	OS-MW-3PL	n/a	1/20/2009@11:56	Aqueous	2
00763-004	MW-6S	n/a	1/20/2009@13:17	Aqueous	2
00763-005	OS-MW-1	n/a	1/21/2009@13:59	Aqueous	2
00763-006	MW-9D	n/a	1/21/2009@14:11	Aqueous	2
00763-007	MW-9S	n/a	1/21/2009@10:42	Aqueous	2
00763-008	DUP(012109)	n/a	1/21/2009	Aqueous	2
00763-009	MW-13	n/a	1/21/2009@11:15	Aqueous	2
00763-010	OS-MW-2	n/a	1/22/2009@10:03	Aqueous	2
00763-011	GP-103R	n/a	1/22/2009@10:02	Aqueous	2
00763-012	GP-104R	n/a	1/22/2009@11:02	Aqueous	2
00763-013	FB(012009)	n/a	1/20/2009@10:15	Aqueous	2
00763-014	FB(012109)	n/a	1/21/2009@12:00	Aqueous	2
00763-015	FB(012209)	n/a	1/22/2009@09:15	Aqueous	2
00763-016	TBLANK(012009)	n/a	1/20/2009	Aqueous	2
00763-017	PTW-2	n/a	1/22/2009@13:53	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 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 seventeen (17) aqueous sample(s) from Arcadis Geraghty & Miller (Project: KINGS ELECTRIC - VENDOR #1168636) on January 23, 2009 for the analysis of:

(17) 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

2/9/09
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E09-00763

		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.	✓

Joaquin A Beguiristain
QC Reviewed by

2/9/09
Date

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

Lab Case Number: E09 - 763

		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

1/29/07
Date

0004

rev 01/09

INTEGRATED ANALYTICAL LABORATORIES, LLC.
SUMMARY REPORT
Client: Arcadis Geraghty & Miller
Project: KINGS ELECTRIC - VENDOR #1168636
Lab Case No.: E09-00763

	Lab ID:	00763-001			00763-002			00763-003			00763-004		
	Client ID:	MW-HP-2D			MW-HP-2S			OS-MW-3PL			MW-6S		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	1/20/09			1/20/09			1/20/09			1/20/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
1,1-Dichloroethane		ND		0.210	ND		0.210	ND		0.210	0.417		0.210
cis-1,2-Dichloroethene		ND		0.190	1.19		0.190	0.675		0.190	ND		0.190
Chloroform		0.738		0.140	ND		0.140	ND		0.140	ND		0.140
1,1,1-Trichloroethane		ND		0.360	ND		0.360	ND		0.360	5.10		0.360
Trichloroethene		1.26		0.190	1.94		0.190	ND		0.190	43.3		0.190
Tetrachloroethene		23.0		0.330	24.1		0.330	ND		0.330	5.55		0.330
TOTAL VO's:		25.0			27.2			0.675			54.4		

	Lab ID:	00763-005			00763-006			00763-007			00763-008		
	Client ID:	OS-MW-1			MW-9D			MW-9S			DUP(012109)		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	1/21/09			1/21/09			1/21/09			1/21/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		1.67		0.460	ND		0.460	0.808		0.460	0.852		0.460
1,1-Dichloroethane		ND		0.210	ND		0.210	0.547		0.210	0.628		0.210
cis-1,2-Dichloroethene		1.93		0.190	ND		0.190	0.640		0.190	0.643		0.190
Trichloroethene		1.32		0.190	ND		0.190	ND		0.190	ND		0.190
Tetrachloroethene		4.08		0.330	ND		0.330	ND		0.330	ND		0.330
Ethylbenzene		2.23		0.270	ND		0.270	ND		0.270	ND		0.270
TOTAL VO's:		11.2			ND			2.00			2.12		

	Lab ID:	00763-009			00763-010			00763-011			00763-012		
	Client ID:	MW-13			OS-MW-2			GP-103R			GP-104R		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	1/21/09			1/22/09			1/22/09			1/22/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		2.73		0.460	ND		0.460	0.763		0.460	0.502		0.460
trans-1,2-Dichloroethene		ND		0.250	ND		0.250	ND		0.250	1.19		0.250
1,1-Dichloroethane		0.860		0.210	ND		0.210	ND		0.210	1.48		0.210
cis-1,2-Dichloroethene		1.85		0.190	2.86		0.190	0.579		0.190	1.58		0.190
Trichloroethene		1.62		0.190	3.14		0.190	ND		0.190	1.49		0.190
Tetrachloroethene		ND		0.330	7.78		0.330	ND		0.330	ND		0.330
TOTAL VO's:		7.06			13.8			1.34			6.24		

	Lab ID:	00763-013			00763-014			00763-015			00763-016		
	Client ID:	FB(012009)			FB(012109)			FB(012209)			TBLANK(012009)		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	1/20/09			1/21/09			1/22/09			1/20/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
cis-1,2-Dichloroethene		ND		0.190	ND		0.190	ND		0.190	ND		0.190
TOTAL VO's:		ND			ND			ND			ND		

	Lab ID:	00763-017		
	Client ID:	PTW-2		
	Matrix:	Aqueous		
	Sampled Date	1/22/09		
PARAMETER(Units)		Conc	Q	MDL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*		
1,1-Dichloroethane		1.69		0.210
cis-1,2-Dichloroethene		ND		0.190
Trichloroethene		0.525		0.190
TOTAL VO's:		2.22		

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 00763-001
Client ID: MW-HP-2D
Date Received: 01/23/2009
Date Analyzed: 01/27/2009
Data file: J0428.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	ND		0.190
Chloroform	0.738		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	1.26		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	23.0		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 25.0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 00763-002
Client ID: MW-HP-2S
Date Received: 01/23/2009
Date Analyzed: 01/27/2009
Data file: J0429.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	1.19		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	1.94		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	24.1		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 27.2

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00763-003
Client ID: OS-MW-3PL
Date Received: 01/23/2009
Date Analyzed: 01/27/2009
Data file: J0430.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	0.675		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	ND		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 0.675

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 00763-004
Client ID: MW-6S
Date Received: 01/23/2009
Date Analyzed: 01/27/2009
Data file: J0431.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	0.417		0.210
cis-1,2-Dichloroethene	ND		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	5.10		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	43.3		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	5.55		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 54.4

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 00763-005
Client ID: OS-MW-1
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0438.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		0.180
Vinyl chloride	1.67		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	1.93		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	1.32		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	4.08		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	2.23		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 11.2

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00763-006
Client ID: MW-9D
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0440.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	ND		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	ND		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00763-007
Client ID: MW-9S
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0441.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		0.180
Vinyl chloride	0.808		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	0.547		0.210
cis-1,2-Dichloroethene	0.640		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	ND		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 2.00

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00763-008
Client ID: DUP(012109)
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0442.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		0.180
Vinyl chloride	0.852		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	0.628		0.210
cis-1,2-Dichloroethene	0.643		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	ND		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 2.12

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 00763-009
Client ID: MW-13
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0443.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		0.180
Vinyl chloride	2.73		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	0.860		0.210
cis-1,2-Dichloroethene	1.85		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	1.62		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 7.06

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00763-010
Client ID: OS-MW-2
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0444.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	2.86		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	3.14		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	7.78		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 13.8

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00763-011
Client ID: GP-103R
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0445.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		0.180
Vinyl chloride	0.763		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	0.579		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	ND		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 1.34

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00763-012
Client ID: GP-104R
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0446.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		0.180
Vinyl chloride	0.502		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	1.19		0.250
1,1-Dichloroethane	1.48		0.210
cis-1,2-Dichloroethene	1.58		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	1.49		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 6.24

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00763-013
Client ID: FB(012009)
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0449.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	ND		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	ND		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 00763-014
Client ID: FB(012109)
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0450.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	ND		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	ND		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 00763-015
Client ID: FB(012209)
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0451.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	ND		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	ND		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 00763-016
Client ID: TBLANK(012009)
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0452.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	ND		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	ND		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 00763-017
Client ID: PTW-2
Date Received: 01/23/2009
Date Analyzed: 01/28/2009
Data file: J0453.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	1.69		0.210
cis-1,2-Dichloroethene	ND		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	0.525		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 2.22

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J0356.D

BFB Injection Date: 01/22/2009

Inst ID: MSD_J

BFB Injection Time: 12:40

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	20.9			
75	30.0 - 60.0% of mass 95	49.3			
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	0.1	(	0.2	)1
174	Great than 50.0% of mass 95	66.3			
175	5.0 - 9.0% of mass 174	5.3	(	8.0	)1
176	95.0 - 101.0% of mass 174	64.4	(	97.1	)1
177	5.0 - 9.0% of mass 176	4.4	(	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
20PPB	STD-20PPB	J0357.D	01/22/2009	1:06
5PPB	STD-5PPB	J0358.D	01/22/2009	1:31
100PPB	STD-100PPB	J0360.D	01/22/2009	2:24
200PPB	STD-200PPB	J0363.D	01/22/2009	3:41
150PPB	STD-150PPB	J0364.D	01/22/2009	4:57
1PPB	STD-1PPB	J0366.D	01/22/2009	5:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J0407.D

BFB Injection Date: 01/27/2009

Inst ID: MSD_J

BFB Injection Time: 11:19

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	20.9			
75	30.0 - 60.0% of mass 95	48.6			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.3			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	67.4			
175	5.0 - 9.0% of mass 174	5.0	(	7.4	)1
176	95.0 - 101.0% of mass 174	66.3	(	98.4	)1
177	5.0 - 9.0% of mass 176	4.3	(	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
100PPB	STD-100PPB	J0408.D	01/27/2009	1:02
NA	METHOD-BLK	J0410.D	01/27/2009	1:53
SB-2	00688-002	J0411.D	01/27/2009	2:19
SB-1	00688-001	J0412.D	01/27/2009	2:59
LCS-50PPB	BLK-SPK	J0413.D	01/27/2009	3:25
MW-2	00766-001	J0414.D	01/27/2009	3:51
MW-2	00687-004	J0416.D	01/27/2009	4:43
MS	WATER-MS	J0417.D	01/27/2009	5:09
MSD	WATER-MSD	J0418.D	01/27/2009	5:35
MW-4	00687-002	J0419.D	01/27/2009	6:01
MW-3	00687-003	J0420.D	01/27/2009	6:27
MW-1	00687-005	J0421.D	01/27/2009	6:53
FIELD_BLANK	00687-006	J0422.D	01/27/2009	7:18
TRIP_BLANK	00687-007	J0423.D	01/27/2009	7:44
MW-3	00766-002	J0424.D	01/27/2009	8:10
MW-5	00766-003	J0425.D	01/27/2009	8:36
FIELD_BLANK	00766-004	J0426.D	01/27/2009	9:02
TRIP_BLANK	00766-005	J0427.D	01/27/2009	9:28
MW-HP-2D	00763-001	J0428.D	01/27/2009	9:54
MW-HP-2S	00763-002	J0429.D	01/27/2009	10:20

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J0407.D BFB Injection Date : 01/27/200

Inst ID: MSD_J BFB Injection Time: 11:19

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	20.9			
75	30.0 - 60.0% of mass 95	48.6			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.3			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	67.4			
175	5.0 - 9.0% of mass 174	5.0	(	7.4	)1
176	95.0 - 101.0% of mass 174	66.3	(	98.4	)1
177	5.0 - 9.0% of mass 176	4.3	(	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
OS-MW-3PL	00763-003	J0430.D	01/27/2009	10:46
MW-6S	00763-004	J0431.D	01/27/2009	11:12

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J0433.D

BFB Injection Date: 01/28/2009

Inst ID: MSD_J

BFB Injection Time: 12:04

m/z	Ion Abudance Criteria	%Relative Abundance	
50	15 - 40.0% of mass 95	21.8	
75	30.0 - 60.0% of mass 95	50.6	
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	0.0	(0.0)1
174	Great than 50.0% of mass 95	71.0	
175	5.0 - 9.0% of mass 174	5.3	(7.4)1
176	95.0 - 101.0% of mass 174	68.4	(96.3)1
177	5.0 - 9.0% of mass 176	4.4	(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
100PPB	STD-100PPB	J0434.D	01/28/2009	12:29
NA	METHOD-BLK	J0437.D	01/28/2009	1:46
OS-MW-1	00763-005	J0438.D	01/28/2009	2:12
MW-9D	00763-006	J0440.D	01/28/2009	3:04
MW-9S	00763-007	J0441.D	01/28/2009	3:29
DUP(012109)	00763-008	J0442.D	01/28/2009	3:55
MW-13	00763-009	J0443.D	01/28/2009	4:21
OS-MW-2	00763-010	J0444.D	01/28/2009	4:47
GP-103R	00763-011	J0445.D	01/28/2009	5:12
GP-104R	00763-012	J0446.D	01/28/2009	5:38
MS	MS	J0447.D	01/28/2009	6:03
MSD	MSD	J0448.D	01/28/2009	6:30
FB(012009)	00763-013	J0449.D	01/28/2009	6:55
FB(012109)	00763-014	J0450.D	01/28/2009	7:21
FB(012209)	00763-015	J0451.D	01/28/2009	7:47
TBLANK(012009)	00763-016	J0452.D	01/28/2009	8:13
PTW-2	00763-017	J0453.D	01/28/2009	8:39
LCS-50PPB	BLK-SPK	J0457.D	01/28/2009	10:23
MW-5	00687-001	J0458.D	01/28/2009	10:49

VOLATILE METHOD BLANK SUMMARY

Lab File ID: J0410.D Instrument ID: MSD_J

Date Analyzed: 01/27/2009 Time Analyzed: 01:53

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
SB-2	00688-002	01/27/2009	2:19
SB-1	00688-001	01/27/2009	2:59
LCS-50PPB	BLK-SPK	01/27/2009	3:25
MW-2	00766-001	01/27/2009	3:51
MW-2	00687-004	01/27/2009	4:43
MS	WATER-MS	01/27/2009	5:09
MSD	WATER-MSD	01/27/2009	5:35
MW-4	00687-002	01/27/2009	6:01
MW-3	00687-003	01/27/2009	6:27
MW-1	00687-005	01/27/2009	6:53
FIELD_BLANK	00687-006	01/27/2009	7:18
TRIP_BLANK	00687-007	01/27/2009	7:44
MW-3	00766-002	01/27/2009	8:10
MW-5	00766-003	01/27/2009	8:36
FIELD_BLANK	00766-004	01/27/2009	9:02
TRIP_BLANK	00766-005	01/27/2009	9:28
MW-HP-2D	00763-001	01/27/2009	9:54
MW-HP-2S	00763-002	01/27/2009	10:20
OS-MW-3PL	00763-003	01/27/2009	10:46
MW-6S	00763-004	01/27/2009	11:12

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: NA
Date Received:
Date Analyzed: 01/27/2009
Data file: J0410.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	ND		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	ND		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 0

VOLATILE METHOD BLANK SUMMARY

Lab File ID: J0437.D

Instrument ID: MSD_J

Date Analyzed: 01/28/2009

Time Analyzed: 01:46

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
OS-MW-1	00763-005	01/28/2009	2:12
MW-9D	00763-006	01/28/2009	3:04
MW-9S	00763-007	01/28/2009	3:29
DUP(012109)	00763-008	01/28/2009	3:55
MW-13	00763-009	01/28/2009	4:21
OS-MW-2	00763-010	01/28/2009	4:47
GP-103R	00763-011	01/28/2009	5:12
GP-104R	00763-012	01/28/2009	5:38
MS	MS	01/28/2009	6:03
MSD	MSD	01/28/2009	6:30
FB(012009)	00763-013	01/28/2009	6:55
FB(012109)	00763-014	01/28/2009	7:21
FB(012209)	00763-015	01/28/2009	7:47
TBLANK(012009)	00763-016	01/28/2009	8:13
PTW-2	00763-017	01/28/2009	8:39
LCS-50PPB	BLK-SPK	01/28/2009	10:23
MW-5	00687-001	01/28/2009	10:49

FORM 4

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: NA
Date Received:
Date Analyzed: 01/28/2009
Data file: J0437.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		0.180
Vinyl chloride	ND		0.460
Bromomethane	ND		0.370
Chloroethane	ND		0.640
Trichlorofluoromethane	ND		0.740
Acrolein	ND		2.57
1,1-Dichloroethene	ND		0.530
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.740
trans-1,2-Dichloroethene	ND		0.250
1,1-Dichloroethane	ND		0.210
cis-1,2-Dichloroethene	ND		0.190
Chloroform	ND		0.140
1,1,1-Trichloroethane	ND		0.360
Carbon tetrachloride	ND		0.300
1,2-Dichloroethane (EDC)	ND		0.190
Benzene	ND		0.170
Trichloroethene	ND		0.190
1,2-Dichloropropane	ND		0.160
Bromodichloromethane	ND		0.180
2-Chloroethyl vinyl ether	ND		1.04
cis-1,3-Dichloropropene	ND		0.240
Toluene	ND		0.230
trans-1,3-Dichloropropene	ND		0.320
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.330
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.270
Total Xylenes	ND		0.790
Bromoform	ND		0.150
1,1,2,2-Tetrachloroethane	ND		0.170
1,3-Dichlorobenzene	ND		0.230
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.230

Total Target Compounds: 0

Response Factor Report MSD_J

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration

Calibration Files

5	=J0358.D	100	=J0360.D	20	=J0357.D
150	=J0364.D	200	=J0363.D	1	=J0366.D

		Compound (ppb)	5	100	20	150	200	1	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluoromet	0.489	0.543	0.566	0.609	0.578	0.447	0.539	11.19
3)	P	Chloromethane	0.644	0.663	0.730	0.809	0.785	0.591	0.704	12.14
4)	C	Vinyl chloride	0.452	0.466	0.508	0.585	0.524	0.426	0.493	11.65
5)	T	Bromomethane	0.291	0.263	0.284	0.329	0.276	0.262	0.284	8.68
6)	T	Chloroethane	0.234	0.257	0.267	0.332	0.302	0.248	0.273	13.42
7)	T	Trichlorofluorometh	0.556	0.573	0.545	0.670	0.607	0.553	0.584	8.13
8)	T	Acrolein	0.009	0.013	0.011	0.017	0.014	0.014	0.013	22.09
9)	MC	1,1-Dichloroethene	0.321	0.330	0.333	0.415	0.371	0.343	0.352	9.99
10)	T	Acetone	0.264	0.200	0.233	0.224	0.199	0.232	0.225	10.72
11)	T	Carbon disulfide	0.944	1.132	1.175	1.452	1.311	1.175	1.198	14.32
12)	T	Vinyl acetate	1.604	1.698	1.827	1.923	1.766	1.527	1.724	8.44
13)	T	Methylene chloride	0.384	0.295	0.421	0.453	0.417	0.345	0.386	14.95
14)	T	Acrylonitrile	0.133	0.151	0.084	0.171	0.152	0.179	0.145	23.63
15)	T	tert-Butyl alcohol	0.038	0.033	0.035	0.040	0.038	0.026	0.035	14.59
16)	T	trans-1,2-Dichloroe	0.465	0.472	0.508	0.571	0.506	0.466	0.498	8.14
17)	T	Methyl tert-butyl e	0.481	0.474	0.432	0.652	0.620	0.469	0.521	17.51
18)	P	1,1-Dichloroethane	0.891	0.938	1.002	1.146	1.021	0.995	0.999	8.65
19)	T	Diisopropyl ether (	1.918	1.941	2.058	2.267	2.033	1.712	1.988	9.22
20)	T	cis-1,2-Dichloroeth	0.521	0.533	0.583	0.627	0.558	0.479	0.550	9.35
21)	T	2,2-Dichloropropane	0.275	0.325	0.272	0.387	0.388	0.325	0.329	15.46
22)	T	2-Butanone (MEK)	0.443	0.375	0.400	0.404	0.360	0.478	0.410	10.71
23)	T	Bromochloromethane	0.251	0.262	0.284	0.306	0.275	0.249	0.271	7.95
25)	C	Chloroform	0.852	0.868	0.929	1.037	0.940	0.789	0.903	9.52
26)	T	1,1,1-Trichloroetha	0.542	0.638	0.643	0.790	0.720	0.756	0.682	13.40
27)	T	Carbon tetrachlorid	0.480	0.580	0.540	0.740	0.672	0.600	0.602	15.46
28)	T	1,1-Dichloropropene	0.632	0.634	0.705	0.757	0.671	0.663	0.677	7.00
29)	T	1,2-Dichloroethane	0.747	0.727	0.789	0.834	0.759	0.733	0.765	5.30
30)	S	1,2-Dichloroethane-	0.631	0.568	0.586	0.586	0.569	0.628	0.594	4.76
31)	I	1,4-Difluorobenzene	----------ISTD----------							
32)	M	Benzene	1.216	1.199	1.347	1.391	1.225	1.100	1.247	8.49
33)	M	Trichloroethene	0.309	0.319	0.348	0.378	0.337	0.308	0.333	8.14
34)	C	1,2-Dichloropropane	0.337	0.341	0.370	0.391	0.348	0.302	0.348	8.68
35)	T	Dibromomethane	0.176	0.178	0.189	0.198	0.180	0.162	0.180	6.93
36)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	16.22
37)	T	Bromodichloromethan	0.361	0.408	0.389	0.484	0.444	0.364	0.409	11.84
38)	T	2-Chloroethyl vinyl	0.002	0.001	0.002	0.001	0.002	0.002	0.002	26.20
39)	T	cis-1,3-Dichloropro	0.415	0.505	0.496	0.586	0.534	0.360	0.483	16.95
40)	T	4-Methyl-2-pentanon	0.534	0.502	0.524	0.543	0.498	0.587	0.531	6.11
41)	S	Toluene-d8	1.118	1.105	1.100	1.118	1.110	1.111	1.110	0.64
42)	MC	Toluene	0.768	0.762	0.851	0.894	0.794	0.746	0.803	7.24
43)	T	trans-1,3-Dichlorop	0.556	0.440	0.399	0.516	0.473	0.477	0.477	11.55
44)	T	1,1,2-Trichloroetha	0.227	0.212	0.228	0.237	0.212	0.215	0.222	4.57
45)	T	Tetrachloroethene	0.285	0.304	0.332	0.350	0.313	0.297	0.313	7.65
46)	T	1,3-Dichloropropane	0.483	0.455	0.502	0.502	0.453	0.483	0.480	4.51
47)	T	2-Hexanone	0.392	0.394	0.400	0.432	0.393	0.414	0.404	3.94
48)	T	Dibromochloromethan	0.229	0.298	0.243	0.362	0.333	0.247	0.285	19.05
49)	T	1,2-Dibromoethane (	0.287	0.281	0.286	0.319	0.291	0.276	0.290	5.18

50)	I	Chlorobenzene-d5	----------ISTD----------							
51)	MP	Chlorobenzene	1.015	0.986	1.082	1.129	1.019	1.026	1.043	5.03
52)	T	1,1,1,2-Tetrachloro	0.264	0.336	0.316	0.397	0.365	0.324	0.334	13.56
53)	C	Ethylbenzene	1.481	1.536	1.659	1.769	1.584	1.433	1.577	7.77
54)	T	m,p-Xylene	0.638	0.617	0.704	0.690	0.605	0.635	0.648	6.19
55)	T	o-Xylene	0.623	0.628	0.706	0.699	0.620	0.568	0.641	8.20
56)	T	Styrene	1.074	1.082	1.170	1.216	1.090	1.019	1.108	6.43
57)	P	Bromoform	0.088	0.164	0.116	0.175	0.137	0.101	0.130	26.62
58)	T	Isopropylbenzene	1.484	1.618	1.724	1.900	1.692	1.404	1.637	10.85
59)	S	Bromofluorobenzene	0.557	0.573	0.566	0.579	0.588	0.563	0.571	2.01
60)	P	1,1,2,2-Tetrachloro	0.367	0.330	0.365	0.348	0.313	0.381	0.351	7.22
61)	T	Bromobenzene	0.428	0.409	0.443	0.467	0.415	0.409	0.428	5.34
62)	T	1,2,3-Trichloroprop	0.328	0.305	0.319	0.332	0.304	0.346	0.322	5.06
63)	T	n-Propylbenzene	1.587	1.726	1.804	2.021	1.791	1.746	1.779	7.96
64)	T	2-Chlorotoluene	1.179	1.103	1.191	1.287	1.143	1.428	1.222	9.68
65)	T	1,3,5-Trimethylbenz	1.327	1.404	1.506	1.596	1.406	1.292	1.422	7.96
66)	T	4-Chlorotoluene	1.304	1.302	1.421	1.487	1.307	1.428	1.375	5.86
67)	T	tert-Butylbenzene	1.047	1.036	1.118	1.225	1.076	1.039	1.090	6.67
68)	T	1,2,4-Trimethylbenz	1.395	1.496	1.597	1.722	1.515	1.422	1.524	7.89
69)	T	sec-Butylbenzene	1.497	1.630	1.732	1.886	1.654	1.631	1.672	7.74
70)	T	1,3-Dichlorobenzene	0.781	0.792	0.853	0.907	0.800	0.869	0.834	6.01
71)	T	4-Isopropyltoluene	1.243	1.370	1.456	1.581	1.366	1.312	1.388	8.49
72)	T	1,4-Dichlorobenzene	0.805	0.834	0.890	0.954	0.841	0.965	0.881	7.54
73)	T	n-Butylbenzene	0.521	0.573	0.632	0.646	0.553	0.648	0.596	9.00
74)	T	1,2-Dichlorobenzene	0.780	0.760	0.840	0.830	0.734	0.891	0.806	7.23
75)	T	1,2-Dibromo-3-chlor	0.044	0.058	0.049	0.065	0.060	0.050	0.054	14.74
76)	T	1,2,4-Trichlorobenz	0.333	0.364	0.399	0.382	0.320	0.355	0.359	8.19
77)	T	Hexachlorobutadiene	0.167	0.139	0.168	0.157	0.135	0.144	0.152	9.47
78)	T	Naphthalene	0.910	0.950	0.958	1.027	0.869	0.921	0.939	5.69
79)	T	1,2,3-Trichlorobenz	0.301	0.300	0.330	0.318	0.265	0.290	0.301	7.55
80)	T	1,1,2-Trichloro-1,2	0.210	0.197	0.199	0.222	0.205	0.206	0.207	4.36
81)	T	Methyl acetate	0.170	0.142	0.143	0.151	0.140	0.142	0.148	7.76
82)	T	Cyclohexane	0.616	0.574	0.626	0.612	0.569	0.513	0.585	7.24
83)	T	Methylcyclohexane	0.380	0.413	0.453	0.437	0.418	0.431	0.422	5.96

(#) = Out of Range

JAW0122.M Wed Jan 28 11:44:40 2009 MANAGER

Instrument ID: MSD_J
Method ID: JAW0122
Date: 01/22/09

Average %RSD = 9.75

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0408.D Vial: 5
Acq On : 27 Jan 2009 1:02 pm Operator: BINXU
Sample : 100PPB,STD-100PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Single Level 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	106	0.00
2	T	Dichlorodifluoromethane	0.539	0.448	16.9	88	-0.01
3	P	Chloromethane	0.704	0.658	6.5	105	0.00
4	C	Vinyl chloride	0.493	0.447	9.3	102	0.00
5	T	Bromomethane	0.284	0.286	-0.7	115	-0.01
6	T	Chloroethane	0.273	0.265	2.9	109	-0.02
7	T	Trichlorofluoromethane	0.584	0.497	14.9	92	0.00
8	T	Acrolein	0.013	0.015	-15.4	121	0.00
9	MC	1,1-Dichloroethene	0.352	0.313	11.1	101	0.00
10	T	Acetone	0.225	0.216	4.0	114	0.00
11	T	Carbon disulfide	1.198	1.116	6.8	105	0.01
12	T	Vinyl acetate	1.724	1.796	-4.2	112	-0.01
13	T	Methylene chloride	0.386	0.397	-2.8	142	0.00
14	T	Acrylonitrile	0.145	0.158	-9.0	112	0.00
15	T	tert-Butyl alcohol (TBA)	0.035	0.040	-14.3	129	-0.01
16	T	trans-1,2-Dichloroethene	0.498	0.468	6.0	105	0.00
17	T	Methyl tert-butyl ether (MT	0.521	0.575	-10.4	129	0.00
18	P	1,1-Dichloroethane	0.999	0.955	4.4	108	0.00
19	T	Diisopropyl ether (DIPE)	1.988	2.009	-1.1	110	-0.01
20	T	cis-1,2-Dichloroethene	0.550	0.545	0.9	108	0.00
21	T	2,2-Dichloropropane	0.329	0.321	2.4	105	-0.01
22	T	2-Butanone (MEK)	0.410	0.404	1.5	114	-0.01
23	T	Bromochloromethane	0.271	0.276	-1.8	112	-0.01
25	C	Chloroform	0.903	0.890	1.4	109	0.00
26	T	1,1,1-Trichloroethane	0.682	0.627	8.1	104	0.00
27	T	Carbon tetrachloride	0.602	0.590	2.0	108	0.00
28	T	1,1-Dichloropropene	0.677	0.606	10.5	101	-0.01
29	T	1,2-Dichloroethane (EDC)	0.765	0.769	-0.5	112	0.00
30	S	1,2-Dichloroethane-d4	0.594	0.593	0.2	111	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
32	M	Benzene	1.247	1.200	3.8	107	-0.01
33	M	Trichloroethene	0.333	0.316	5.1	106	0.00
34	C	1,2-Dichloropropane	0.348	0.350	-0.6	110	0.00
35	T	Dibromomethane	0.180	0.189	-5.0	114	0.00
37	T	Bromodichloromethane	0.409	0.440	-7.6	115	0.00
38	T	2-Chloroethyl vinyl ether	0.002	0.001	15.0	129	0.00
39	T	cis-1,3-Dichloropropene	0.483	0.529	-9.5	112	0.00
40	T	4-Methyl-2-pentanone (MIBK)	0.531	0.543	-2.3	116	0.00
41	S	Toluene-d8	1.110	1.117	-0.6	108	-0.01
42	MC	Toluene	0.803	0.764	4.9	107	0.00
43	T	trans-1,3-Dichloropropene	0.477	0.473	0.8	115	0.00
44	T	1,1,2-Trichloroethane	0.222	0.224	-0.9	113	0.00
45	T	Tetrachloroethene	0.313	0.289	7.7	102	0.00
46	T	1,3-Dichloropropane	0.480	0.479	0.2	113	-0.01

47	T	2-Hexanone	0.404	0.431	-6.7	117	-0.01
48	T	Dibromochloromethane	0.285	0.336	-17.9	121	0.00
49	T	1,2-Dibromoethane (EDB)	0.290	0.299	-3.1	114	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00
51	MP	Chlorobenzene	1.043	0.966	7.4	108	0.00
52	T	1,1,1,2-Tetrachloroethane	0.334	0.347	-3.9	115	0.00
53	C	Ethylbenzene	1.577	1.481	6.1	107	0.00
54	T	m,p-Xylene	0.648	0.593	8.5	106	-0.01
55	T	o-Xylene	0.641	0.606	5.5	107	0.00
56	T	Styrene	1.108	1.061	4.2	109	0.00
57	P	Bromoform	0.130	0.145	-11.5	98	0.00
58	T	Isopropylbenzene	1.637	1.541	5.9	105	0.00
59	S	Bromofluorobenzene	0.571	0.579	-1.4	112	0.00
60	P	1,1,2,2-Tetrachloroethane	0.351	0.341	2.8	114	0.00
61	T	Bromobenzene	0.428	0.402	6.1	109	0.00
62	T	1,2,3-Trichloropropane	0.322	0.312	3.1	113	0.00
63	T	n-Propylbenzene	1.779	1.657	6.9	106	0.00
64	T	2-Chlorotoluene	1.222	1.081	11.5	109	0.00
65	T	1,3,5-Trimethylbenzene	1.422	1.358	4.5	107	0.00
66	T	4-Chlorotoluene	1.375	1.285	6.5	109	0.00
67	T	tert-Butylbenzene	1.090	0.990	9.2	106	0.00
68	T	1,2,4-Trimethylbenzene	1.524	1.459	4.3	108	0.00
69	T	sec-Butylbenzene	1.672	1.533	8.3	104	0.00
70	T	1,3-Dichlorobenzene	0.834	0.785	5.9	110	0.00
71	T	4-Isopropyltoluene	1.388	1.306	5.9	106	0.00
72	T	1,4-Dichlorobenzene	0.881	0.830	5.8	110	0.00
73	T	n-Butylbenzene	0.596	0.552	7.4	107	0.00
74	T	1,2-Dichlorobenzene	0.806	0.753	6.6	110	0.00
75	T	1,2-Dibromo-3-chloropropane	0.054	0.065	-20.4	123	0.00
76	T	1,2,4-Trichlorobenzene	0.359	0.365	-1.7	111	0.00
77	T	Hexachlorobutadiene	0.152	0.129	15.1	103	0.00
78	T	Naphthalene	0.939	1.028	-9.5	120	0.00
79	T	1,2,3-Trichlorobenzene	0.301	0.313	-4.0	115	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.207	0.163	21.3	92	0.00
81	T	Methyl acetate	0.148	0.148	0.0	116	-0.01
82	T	Cyclohexane	0.585	0.449	23.2	87	0.04
83	T	Methylcyclohexane	0.422	0.331	21.6	89	-0.01

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

J2411.D JAW0122.M Wed Jan 28 14:43:07 2009 MANAGER

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0434.D Vial: 29
Acq On : 28 Jan 2009 12:29 am Operator: BINXU
Sample : 100PPB,STD-100PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Single Level 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	91	0.00
2	T	Dichlorodifluoromethane	0.539	0.483	10.4	81	-0.01
3	P	Chloromethane	0.704	0.740	-5.1	101	0.00
4	C	Vinyl chloride	0.493	0.530	-7.5	103	0.00
5	T	Bromomethane	0.284	0.312	-9.9	107	-0.01
6	T	Chloroethane	0.273	0.304	-11.4	107	-0.02
7	T	Trichlorofluoromethane	0.584	0.604	-3.4	96	0.01
8	T	Acrolein	0.013	0.009	30.8	67	0.00
9	MC	1,1-Dichloroethene	0.352	0.373	-6.0	103	0.01
10	T	Acetone	0.225	0.172	23.6	78	0.00
11	T	Carbon disulfide	1.198	1.301	-8.6	104	0.01
12	T	Vinyl acetate	1.724	1.569	9.0	84	-0.01
13	T	Methylene chloride	0.386	0.409	-6.0	126	0.00
14	T	Acrylonitrile	0.145	0.138	4.8	83	0.00
15	T	tert-Butyl alcohol (TBA)	0.035	0.031	11.4	86	-0.01
16	T	trans-1,2-Dichloroethene	0.498	0.509	-2.2	98	0.00
17	T	Methyl tert-butyl ether (MT	0.521	0.402	22.8	77	0.00
18	P	1,1-Dichloroethane	0.999	0.999	0.0	97	0.00
19	T	Diisopropyl ether (DIPE)	1.988	1.929	3.0	90	0.00
20	T	cis-1,2-Dichloroethene	0.550	0.571	-3.8	97	0.00
21	T	2,2-Dichloropropane	0.329	0.312	5.2	87	0.00
22	T	2-Butanone (MEK)	0.410	0.300	26.8	73	0.00
23	T	Bromochloromethane	0.271	0.264	2.6	92	0.00
25	C	Chloroform	0.903	0.922	-2.1	96	0.00
26	T	1,1,1-Trichloroethane	0.682	0.713	-4.5	101	0.00
27	T	Carbon tetrachloride	0.602	0.649	-7.8	102	0.00
28	T	1,1-Dichloropropene	0.677	0.685	-1.2	98	0.00
29	T	1,2-Dichloroethane (EDC)	0.765	0.734	4.1	92	0.00
30	S	1,2-Dichloroethane-d4	0.594	0.563	5.2	90	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
32	M	Benzene	1.247	1.268	-1.7	96	0.00
33	M	Trichloroethene	0.333	0.346	-3.9	99	0.00
34	C	1,2-Dichloropropane	0.348	0.348	0.0	93	0.00
35	T	Dibromomethane	0.180	0.174	3.3	89	0.00
37	T	Bromodichloromethane	0.409	0.426	-4.2	95	0.00
38	T	2-Chloroethyl vinyl ether	0.002	0.001	34.8	80	0.00
39	T	cis-1,3-Dichloropropene	0.483	0.500	-3.5	90	0.00
40	T	4-Methyl-2-pentanone (MIBK)	0.531	0.418	21.3	76	0.00
41	S	Toluene-d8	1.110	1.118	-0.7	92	-0.01
42	MC	Toluene	0.803	0.819	-2.0	98	0.00
43	T	trans-1,3-Dichloropropene	0.477	0.424	11.1	88	0.00
44	T	1,1,2-Trichloroethane	0.222	0.202	9.0	87	0.00
45	T	Tetrachloroethene	0.313	0.326	-4.2	98	0.00
46	T	1,3-Dichloropropane	0.480	0.435	9.4	87	-0.01

47	T	2-Hexanone	0.404	0.322	20.3	75	-0.01
48	T	Dibromochloromethane	0.285	0.305	-7.0	93	0.00
49	T	1,2-Dibromoethane (EDB)	0.290	0.269	7.2	87	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
51	MP	Chlorobenzene	1.043	1.021	2.1	97	0.00
52	T	1,1,1,2-Tetrachloroethane	0.334	0.349	-4.5	98	0.00
53	C	Ethylbenzene	1.577	1.632	-3.5	100	0.00
54	T	m,p-Xylene	0.648	0.639	1.4	97	-0.01
55	T	o-Xylene	0.641	0.637	0.6	95	0.00
56	T	Styrene	1.108	1.129	-1.9	98	0.00
57	P	Bromoform	0.130	0.160	-23.1	92	0.00
58	T	Isopropylbenzene	1.637	1.736	-6.0	101	0.00
59	S	Bromofluorobenzene	0.571	0.577	-1.1	95	0.00
60	P	1,1,2,2-Tetrachloroethane	0.351	0.341	2.8	97	0.00
61	T	Bromobenzene	0.428	0.421	1.6	97	-0.01
62	T	1,2,3-Trichloropropane	0.322	0.275	14.6	84	0.00
63	T	n-Propylbenzene	1.779	1.856	-4.3	101	0.00
64	T	2-Chlorotoluene	1.222	1.184	3.1	101	0.00
65	T	1,3,5-Trimethylbenzene	1.422	1.518	-6.8	101	0.00
66	T	4-Chlorotoluene	1.375	1.400	-1.8	101	-0.01
67	T	tert-Butylbenzene	1.090	1.109	-1.7	100	0.00
68	T	1,2,4-Trimethylbenzene	1.524	1.621	-6.4	102	0.00
69	T	sec-Butylbenzene	1.672	1.785	-6.8	103	-0.01
70	T	1,3-Dichlorobenzene	0.834	0.850	-1.9	101	0.00
71	T	4-Isopropyltoluene	1.388	1.508	-8.6	103	0.00
72	T	1,4-Dichlorobenzene	0.881	0.881	0.0	99	0.00
73	T	n-Butylbenzene	0.596	0.631	-5.9	103	0.00
74	T	1,2-Dichlorobenzene	0.806	0.776	3.7	96	0.00
75	T	1,2-Dibromo-3-chloropropane	0.054	0.049	9.3	78	0.00
76	T	1,2,4-Trichlorobenzene	0.359	0.363	-1.1	93	0.00
77	T	Hexachlorobutadiene	0.152	0.149	2.0	101	0.00
78	T	Naphthalene	0.939	0.792	15.7	78	0.00
79	T	1,2,3-Trichlorobenzene	0.301	0.279	7.3	87	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.207	0.170	17.9	81	0.00
81	T	Methyl acetate	0.148	0.124	16.2	82	-0.01
82	T	Cyclohexane	0.585	0.498	14.9	81	0.04
83	T	Methylcyclohexane	0.422	0.354	16.1	80	-0.01

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

J2411.D JAW0122.M Wed Jan 28 14:50:24 2009 MANAGER

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/27/2009

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	J0410.D	106	100	99
00688-002	AQUEOUS	J0411.D	105	100	100
00688-001	AQUEOUS	J0412.D	104	101	99
BLK-SPK	AQUEOUS	J0413.D	99	101	101
00766-001	AQUEOUS	J0414.D	104	100	100
00687-004	AQUEOUS	J0416.D	104	100	100
WATER-MS	AQUEOUS	J0417.D	104	99	98
WATER-MSD	AQUEOUS	J0418.D	107	100	99
00687-002	AQUEOUS	J0419.D	107	101	98
00687-003	AQUEOUS	J0420.D	108	100	98
00687-005	AQUEOUS	J0421.D	106	100	98
00687-006	AQUEOUS	J0422.D	107	100	97
00687-007	AQUEOUS	J0423.D	106	100	97
00766-002	AQUEOUS	J0424.D	106	101	96
00766-003	AQUEOUS	J0425.D	103	101	96
00766-004	AQUEOUS	J0426.D	107	101	97
00766-005	AQUEOUS	J0427.D	105	101	96
00763-001	AQUEOUS	J0428.D	105	100	96
00763-002	AQUEOUS	J0429.D	105	100	97
00763-003	AQUEOUS	J0430.D	102	101	95
00763-004	AQUEOUS	J0431.D	103	102	97

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	55-148	47-162
SMC2 = Toluene-d8	50 ppb	50-147	44-158
SMC3 = Bromofluorobenzene	50 ppb	47-145	31-153

Column to be used to flag recovery values

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/28/2009

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	J0437.D	103	100	95
00763-005	AQUEOUS	J0438.D	103	101	95
00763-006	AQUEOUS	J0440.D	105	100	94
00763-007	AQUEOUS	J0441.D	103	101	96
00763-008	AQUEOUS	J0442.D	103	100	95
00763-009	AQUEOUS	J0443.D	105	101	95
00763-010	AQUEOUS	J0444.D	101	100	94
00763-011	AQUEOUS	J0445.D	104	99	92
00763-012	AQUEOUS	J0446.D	103	100	93
MS	AQUEOUS	J0447.D	105	100	95
MSD	AQUEOUS	J0448.D	108	99	97
00763-013	AQUEOUS	J0449.D	109	101	95
00763-014	AQUEOUS	J0450.D	107	101	95
00763-015	AQUEOUS	J0451.D	109	100	95
00763-016	AQUEOUS	J0452.D	110	101	97
00763-017	AQUEOUS	J0453.D	110	102	95
BLK-SPK	AQUEOUS	J0457.D	99	101	97
00687-001	AQUEOUS	J0458.D	107	99	97

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	55-148	47-162
SMC2 = Toluene-d8	50 ppb	50-147	44-158
SMC3 = Bromofluorobenzene	50 ppb	47-145	31-153

Column to be used to flag recovery values

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: MSD

Batch No.: JAW0127P

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	44.1	88	34 - 149
Benzene	50.0	0.0	53.8	108	45 - 136
Trichloroethene	50.0	0.0	53.5	107	40 - 147
Toluene	50.0	0.0	55.1	110	43 - 137
Chlorobenzene	50.0	0.0	52.7	105	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	41.8	84	5	19	34 - 149
Benzene	0.0	50.5	101	7	15	45 - 136
Trichloroethene	0.0	50.4	101	6	18	40 - 147
Toluene	0.0	51.9	104	6	16	43 - 137
Chlorobenzene	0.0	50.3	101	4	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): J0360.D

Date Analyzed: 01/22/2009

Instrument ID: MSD_J

Time Analyzed: 2:24

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	387727	6.17	609798	6.99	583846	10.33
	UPPER LIMIT	775454	6.67	1219596	7.49	1167692	10.83
	LOWER LIMIT	193863.5	5.67	304899	6.49	291923	9.83
	LAB SAMPLE ID						
01	STD-20PPB	376150	6.17	599103	6.99	578399	10.33
02	STD-5PPB	329954	6.17	529946	6.99	519882	10.33
03	STD-200PPB	376093	6.17	606071	6.99	588697	10.33
04	STD-150PPB	358688	6.17	579495	6.99	568575	10.33
05	STD-1PPB	378165	6.17	609745	6.99	596201	10.33
06							
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): J0408.D

Date Analyzed: 01/27/2009

Instrument ID: MSD_J

Time Analyzed: 1:02

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	411415	6.17	653252	6.99	646531	10.33
	UPPER LIMIT	822830	6.67	1306504	7.49	1293062	10.83
	LOWER LIMIT	205707.5	5.67	326626	6.49	323265.5	9.83
	LAB SAMPLE ID						
01	METHOD-BLK	383811	6.17	611239	6.99	615234	10.33
02	00688-002	378907	6.17	603008	6.99	601814	10.33
03	00688-001	389665	6.17	619971	6.99	621552	10.33
04	BLK-SPK	375045	6.17	592232	6.99	583834	10.33
05	00766-001	374988	6.17	600091	6.99	600707	10.33
06	00687-004	375619	6.17	598892	6.99	590118	10.33
07	WATER-MS	380332	6.17	610757	6.99	603577	10.33
08	WATER-MSD	374614	6.17	606552	6.99	597130	10.33
09	00687-002	335244	6.17	543050	6.99	548954	10.33
10	00687-003	367595	6.17	594549	6.99	602043	10.33
11	00687-005	371374	6.17	597701	6.99	605083	10.33
12	00687-006	352204	6.17	571931	6.99	583254	10.33
13	00687-007	367498	6.17	594811	6.99	601269	10.33
14	00766-002	366367	6.17	587788	6.99	595963	10.33
15	00766-003	371449	6.17	590339	6.99	600401	10.33
16	00766-004	359270	6.17	581931	6.99	587165	10.33
17	00766-005	366585	6.17	583020	6.99	594069	10.33
18	00763-001	360572	6.17	580126	6.99	587140	10.33
19	00763-002	357696	6.17	572177	6.99	577079	10.33
20	00763-003	357830	6.17	568079	6.99	580703	10.33
21	00763-004	347624	6.17	556464	6.99	566655	10.33
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): J0434.D Date Analyzed: 01/28/2009

Instrument ID: MSD_J Time Analyzed: 12:29

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	351905	6.17	555726	6.99	547539	10.33
	UPPER LIMIT	703810	6.67	1111452	7.49	1095078	10.83
	LOWER LIMIT	175952.5	5.67	277863	6.49	273769.5	9.83
	LAB SAMPLE ID						
01	METHOD-BLK	343923	6.17	552447	6.99	566865	10.33
02	00763-005	286567	6.17	454457	6.99	455788	10.33
03	00763-006	309681	6.17	494638	6.99	506442	10.33
04	00763-007	343306	6.17	552268	6.99	559226	10.33
05	00763-008	333861	6.17	537231	6.99	551763	10.33
06	00763-009	336222	6.17	544711	6.99	555460	10.33
07	00763-010	344977	6.17	547343	6.99	556583	10.33
08	00763-011	302334	6.17	483937	6.99	496635	10.33
09	00763-012	336517	6.17	541366	6.99	552033	10.33
10	MS	308652	6.17	496015	6.99	501022	10.33
11	MSD	332480	6.17	541829	6.99	538023	10.33
12	00763-013	319126	6.17	509186	6.99	524157	10.33
13	00763-014	329723	6.17	527189	6.99	542768	10.33
14	00763-015	322485	6.17	521179	6.99	538227	10.33
15	00763-016	319715	6.17	519684	6.99	537972	10.33
16	00763-017	304566	6.17	491036	6.99	509057	10.33
17	BLK-SPK	321653	6.17	501027	6.99	507236	10.33
18	00687-001	318516	6.17	511961	6.99	510509	10.33
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 File : C:\MSDCHEM\1\DATA\01-27-09\J0428.D Vial: 23
Acq On : 27 Jan 2009 9:54 pm Operator: BINXU
Sample : MW-HP-2D,00763-001,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/20/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:43 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

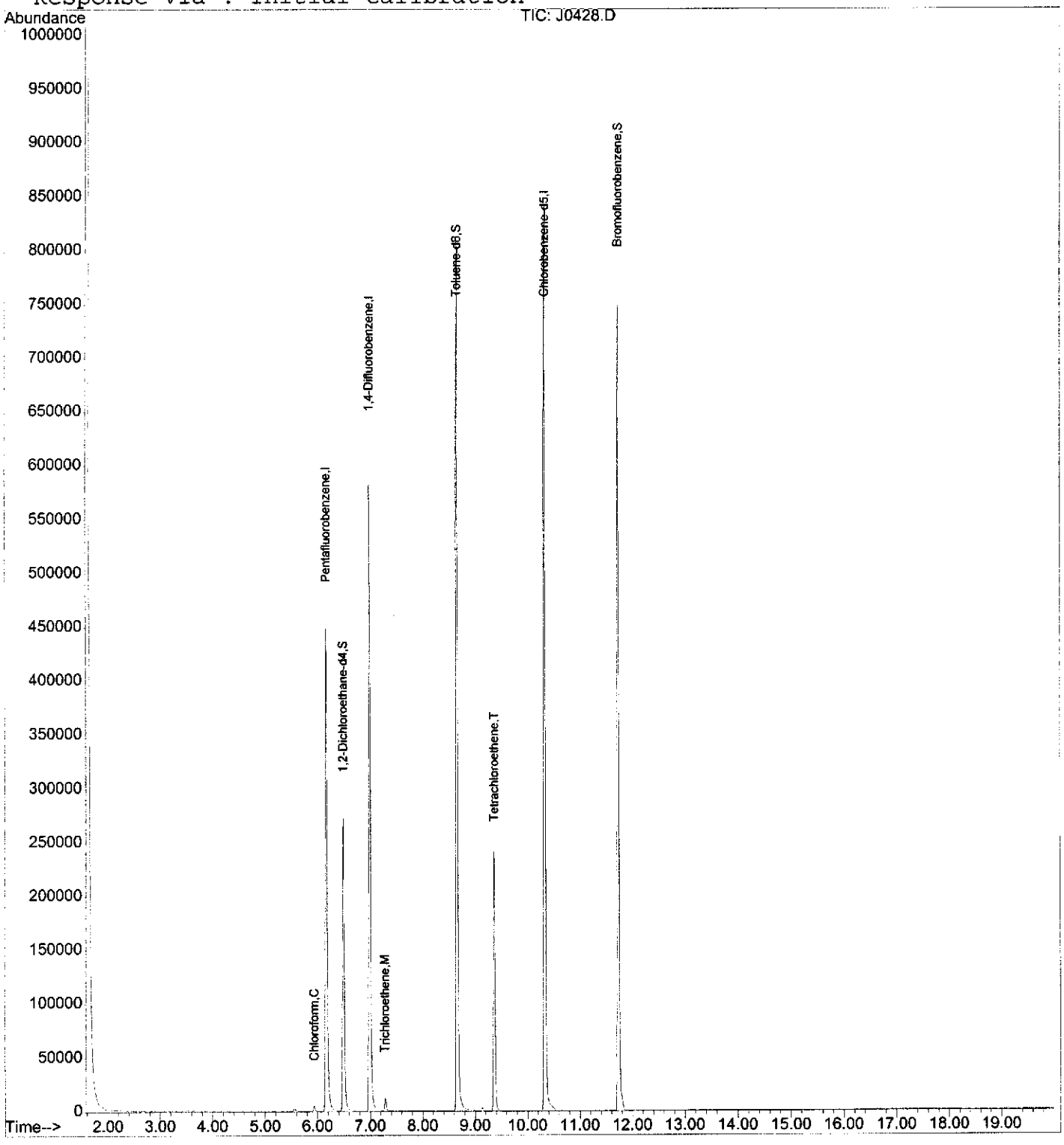
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	360572	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	580126	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	587140	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	224493	52.36	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 104.72%			
41) Toluene-d8	8.65	98	644911	50.06	UG	-0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.12%			
59) Bromofluorobenzene	11.73	95	321886	48.01	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.02%			
Target Compounds						Qvalue
25) Chloroform	5.94	83	4803	0.74	UG	98
33) Trichloroethene	7.29	95	4865	1.26	UG	93
45) Tetrachloroethene	9.37	166	83658	23.01	UG	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0428.D Vial: 23
Acq On : 27 Jan 2009 9:54 pm Operator: BINXU
Sample : MW-HP-2D,00763-001,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/20/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:29 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0429.D Vial: 24
Acq On : 27 Jan 2009 10:20 pm Operator: BINXU
Sample : MW-HP-2S,00763-002,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/20/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:43 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

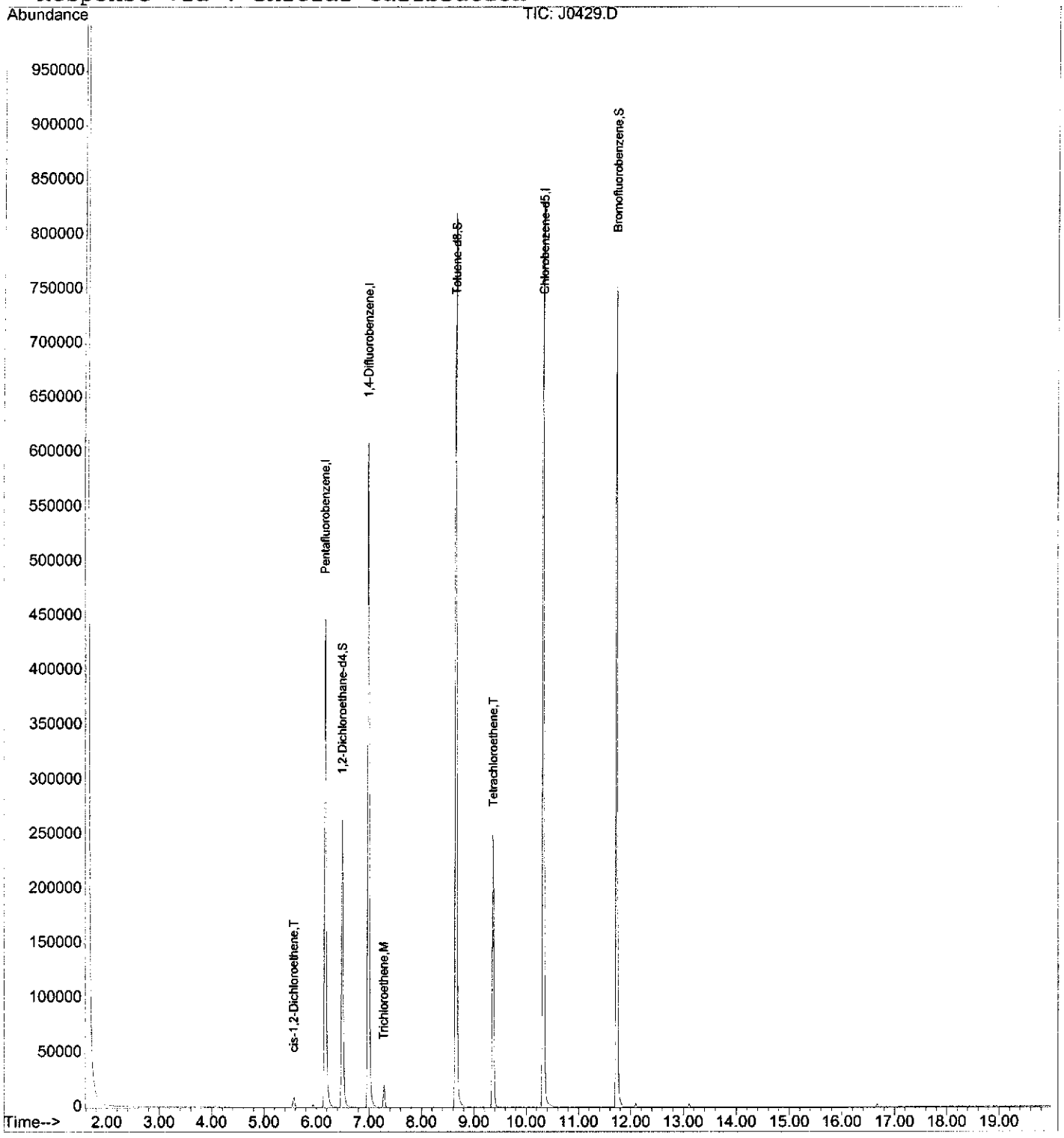
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	357696	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	572177	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	577079	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	222732	52.37	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 104.74%			
41) Toluene-d8	8.65	98	634953	49.98	UG	-0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.96%			
59) Bromofluorobenzene	11.73	95	319242	48.45	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.90%			
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	5.57	96	4669	1.19	UG	# 39
33) Trichloroethene	7.29	95	7392	1.94	UG	90
45) Tetrachloroethene	9.37	166	86415	24.09	UG	# 68

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0429.D Vial: 24
Acq On : 27 Jan 2009 10:20 pm Operator: BINXU
Sample : MW-HP-2S,00763-002,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/20/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:29 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0430.D Vial: 25
Acq On : 27 Jan 2009 10:46 pm Operator: BINXU
Sample : OS-MW-3PL,00763-003,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/20/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:44 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

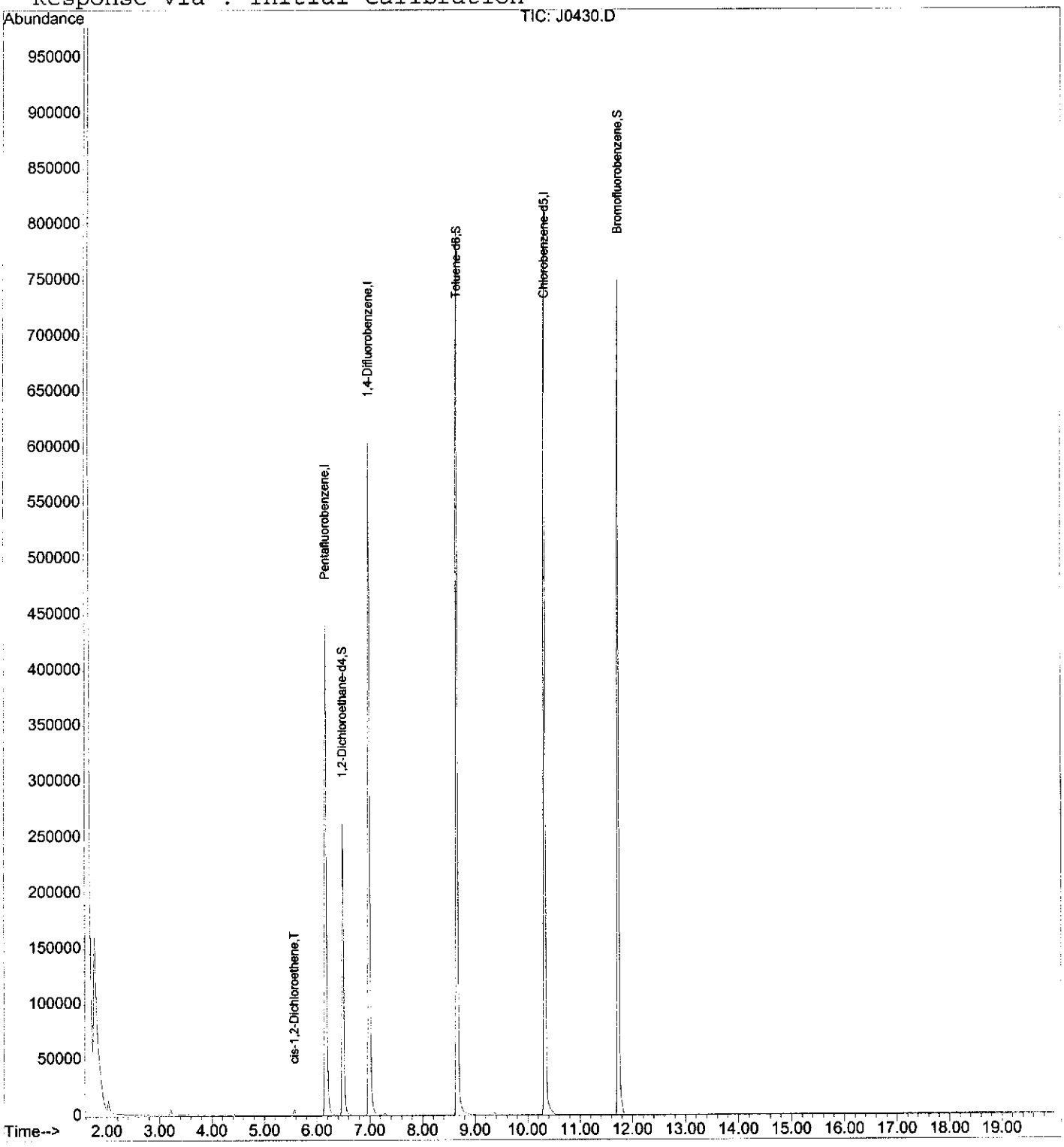
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	357830	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	568079	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	580703	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	217758	51.18	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 102.36%			
41) Toluene-d8	8.66	98	635769	50.40	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.80%			
59) Bromofluorobenzene	11.73	95	313821	47.33	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.66%			
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	5.57	96	2657	0.67	UG	# 39

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0430.D Vial: 25
Acq On : 27 Jan 2009 10:46 pm Operator: BINXU
Sample : OS-MW-3PL,00763-003,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/20/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:30 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0431.D Vial: 26
Acq On : 27 Jan 2009 11:12 pm Operator: BINXU
Sample : MW-6S,00763-004,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/20/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:44 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

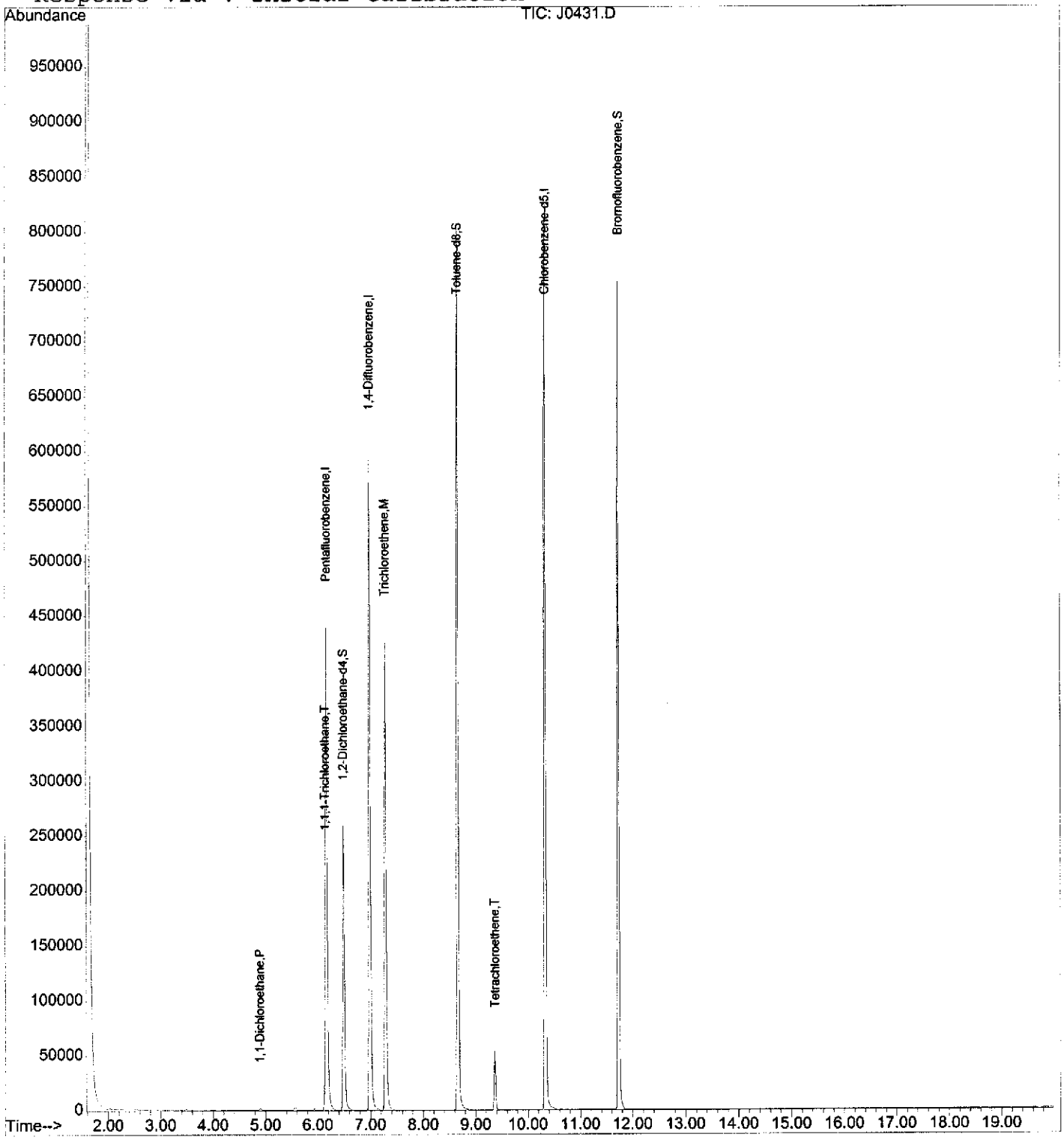
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	347624	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	556464	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	566655	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	213834	51.74	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 103.48%			
41) Toluene-d8	8.65	98	630842	51.05	UG	-0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 102.10%			
59) Bromofluorobenzene	11.73	95	312534	48.30	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.60%			
Target Compounds						Qvalue
18) 1,1-Dichloroethane	4.90	63	2896	0.42	UG	# 98
26) 1,1,1-Trichloroethane	6.15	97	24147	5.10	UG	# 34
33) Trichloroethene	7.29	95	160772	43.34	UG	93
45) Tetrachloroethene	9.37	166	19355	5.55	UG	# 68

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0431.D Vial: 26
Acq On : 27 Jan 2009 11:12 pm Operator: BINXU
Sample : MW-6S,00763-004,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/20/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:30 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0438.D Vial: 33
Acq On : 28 Jan 2009 2:12 am Operator: BINXU
Sample : OS-MW-1,00763-005,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/21/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:46 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

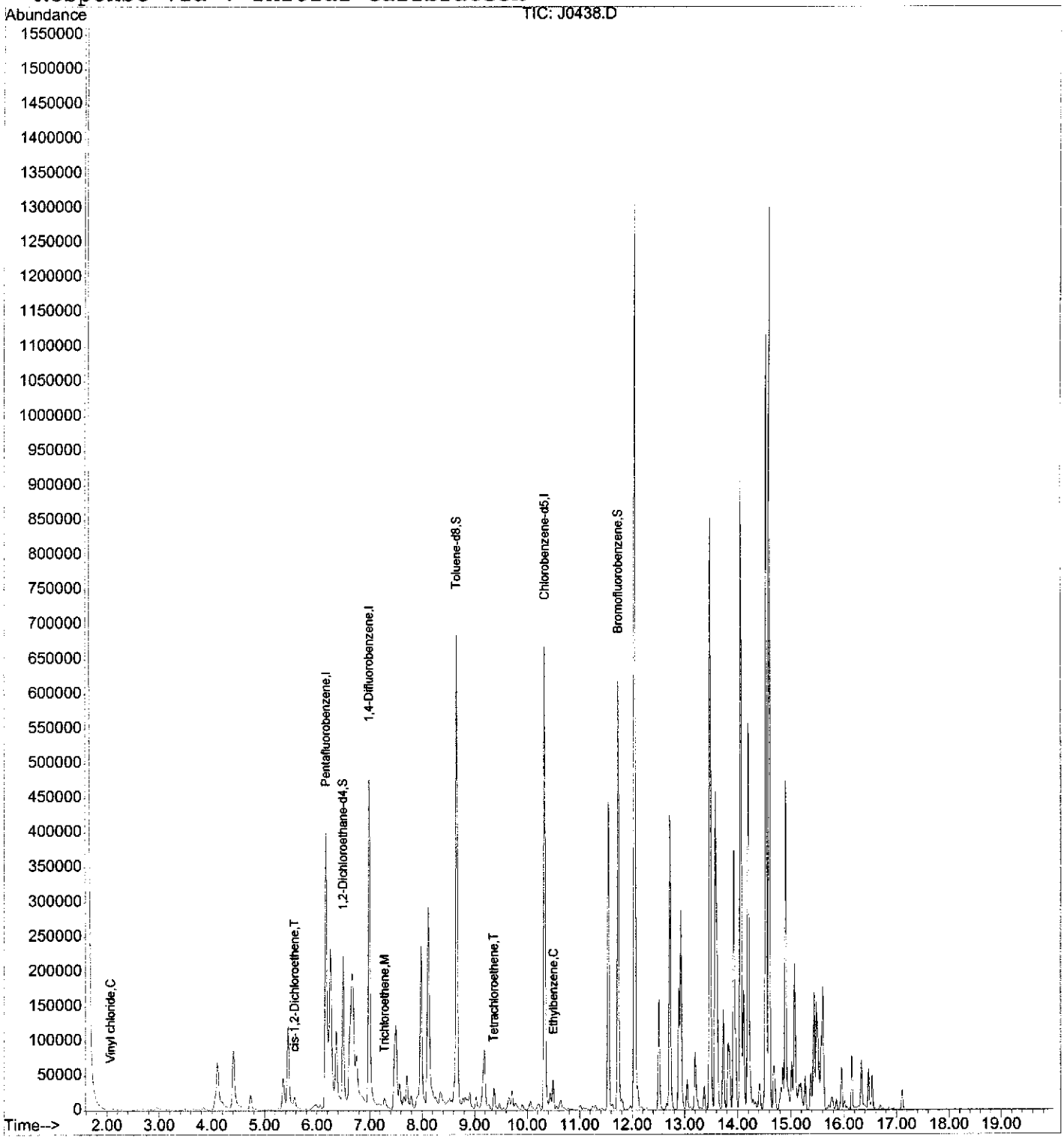
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.17	168	286567	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.99	114	454457	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	455788	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	175431	51.49	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 102.98%				
41) Toluene-d8	8.65	98	509996	50.54	UG		-0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.08%				
59) Bromofluorobenzene	11.73	95	246348	47.34	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.68%				
Target Compounds							Qvalue
4) Vinyl chloride	2.07	62	4713	1.67	UG		98
20) cis-1,2-Dichloroethene	5.57	96	6072	1.93	UG	#	40
33) Trichloroethene	7.29	95	4007	1.32	UG	#	91
45) Tetrachloroethene	9.36	166	11635	4.08	UG	#	68
53) Ethylbenzene	10.50	91	32083	2.23	UG		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0438.D Vial: 33
Acq On : 28 Jan 2009 2:12 am Operator: BINXU
Sample : OS-MW-1,00763-005,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/21/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:31 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0440.D Vial: 35
Acq On : 28 Jan 2009 3:04 am Operator: BINXU
Sample : MW-9D,00763-006,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/21/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:47 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	309681	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	494638	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	506442	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	192954	52.40	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 104.80%			
41) Toluene-d8	8.66	98	546493	49.76	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.52%			
59) Bromofluorobenzene	11.73	95	271315	46.92	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 93.84%			

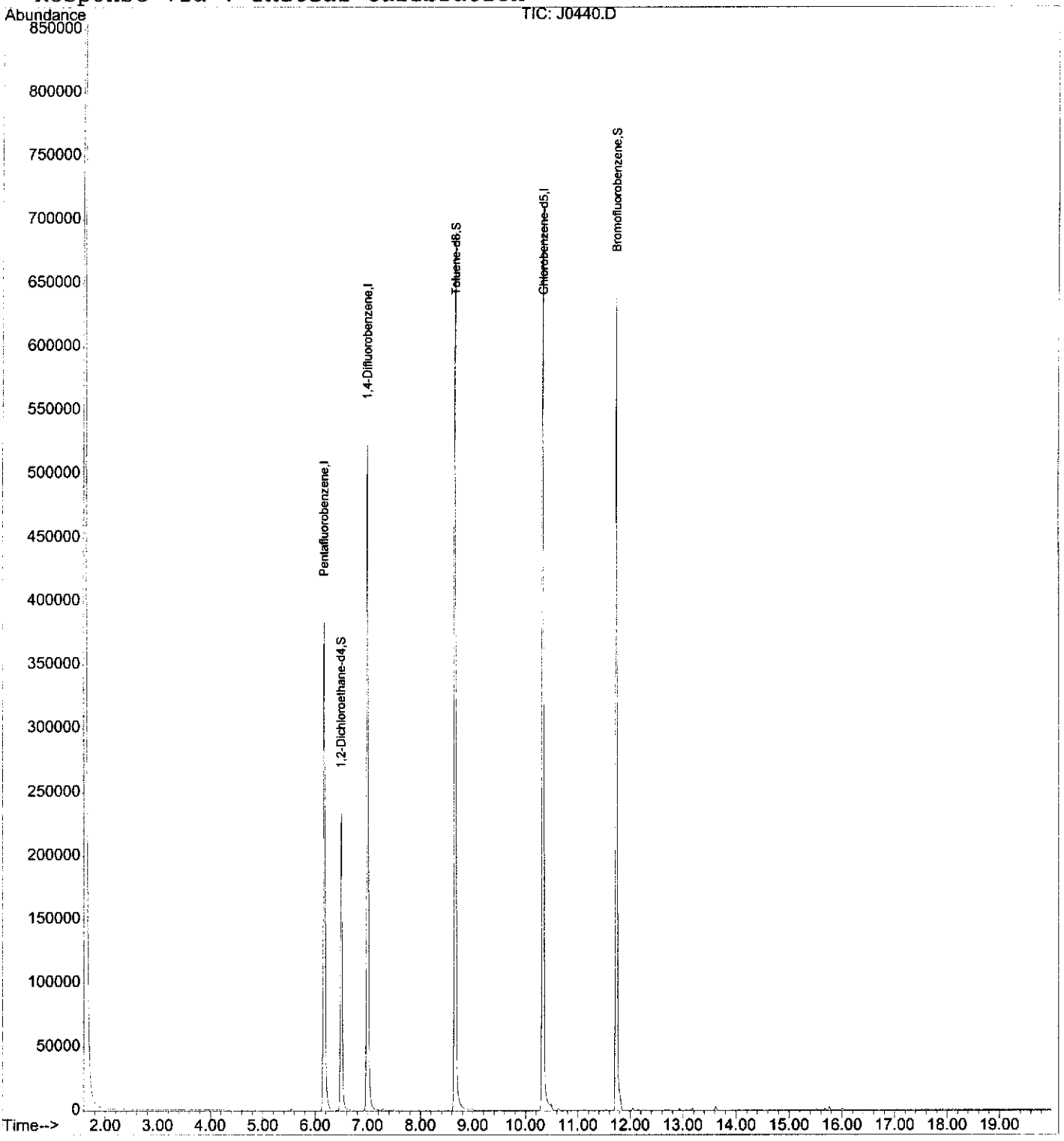
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0440.D Vial: 35
Acq On : 28 Jan 2009 3:04 am Operator: BINXU
Sample : MW-9D,00763-006,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/21/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:32 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0441.D Vial: 36
Acq On : 28 Jan 2009 3:29 am Operator: BINXU
Sample : MW-9S,00763-007,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/21/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:47 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

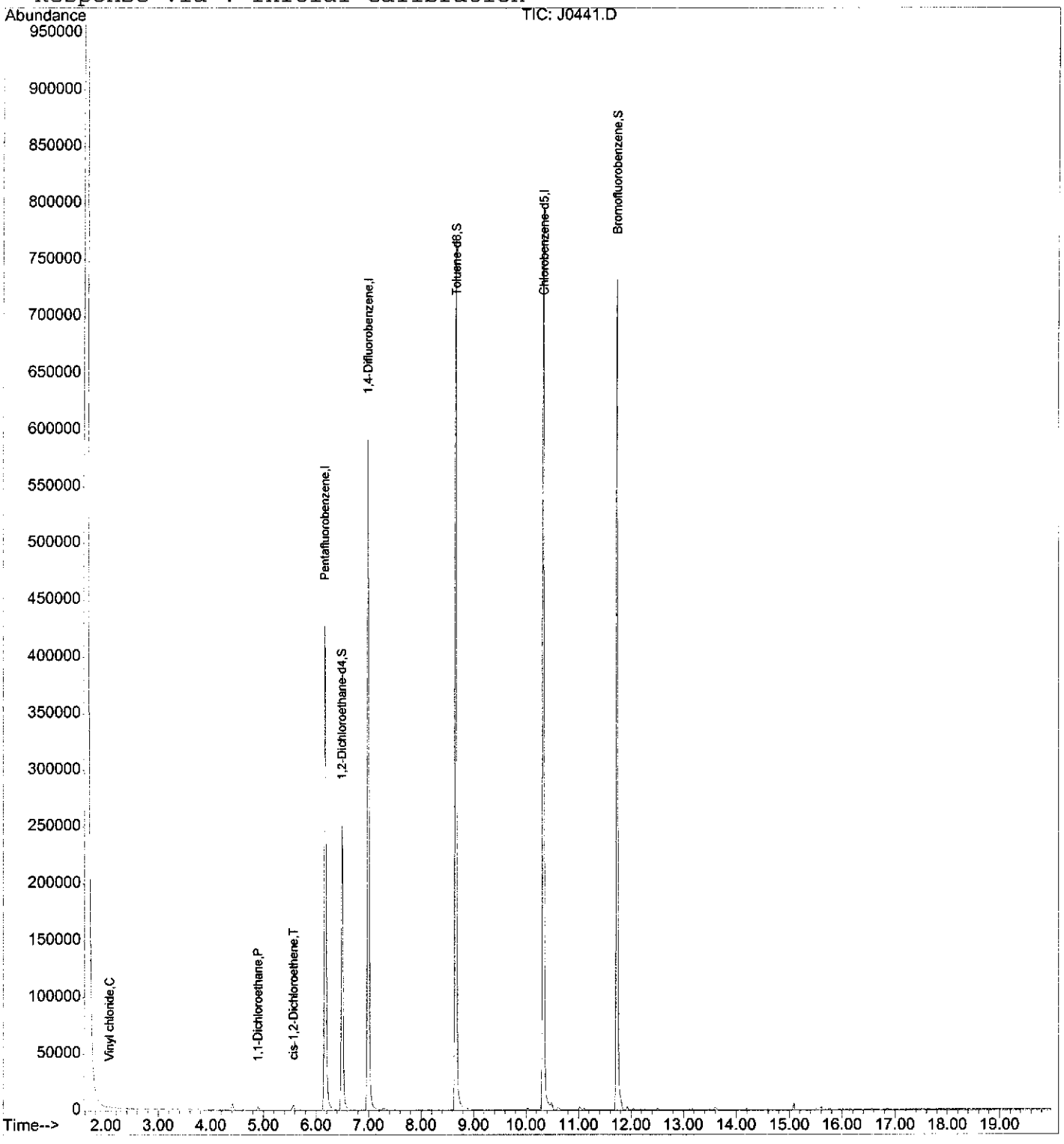
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	343306	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	552268	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	559226	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	210739	51.63	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 103.26%			
41) Toluene-d8	8.66	98	619539	50.52	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.04%			
59) Bromofluorobenzene	11.73	95	308052	48.24	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.48%			
Target Compounds						Qvalue
4) Vinyl chloride	2.07	62	2737	0.81	UG	# 94
18) 1,1-Dichloroethane	4.90	63	3752	0.55	UG	100
20) cis-1,2-Dichloroethene	5.57	96	2418	0.64	UG	# 39

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0441.D Vial: 36
Acq On : 28 Jan 2009 3:29 am Operator: BINXU
Sample : MW-9S,00763-007,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/21/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:32 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0442.D Vial: 37
Acq On : 28 Jan 2009 3:55 am Operator: BINXU
Sample : DUP(012109),00763-008,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/21/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:47 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

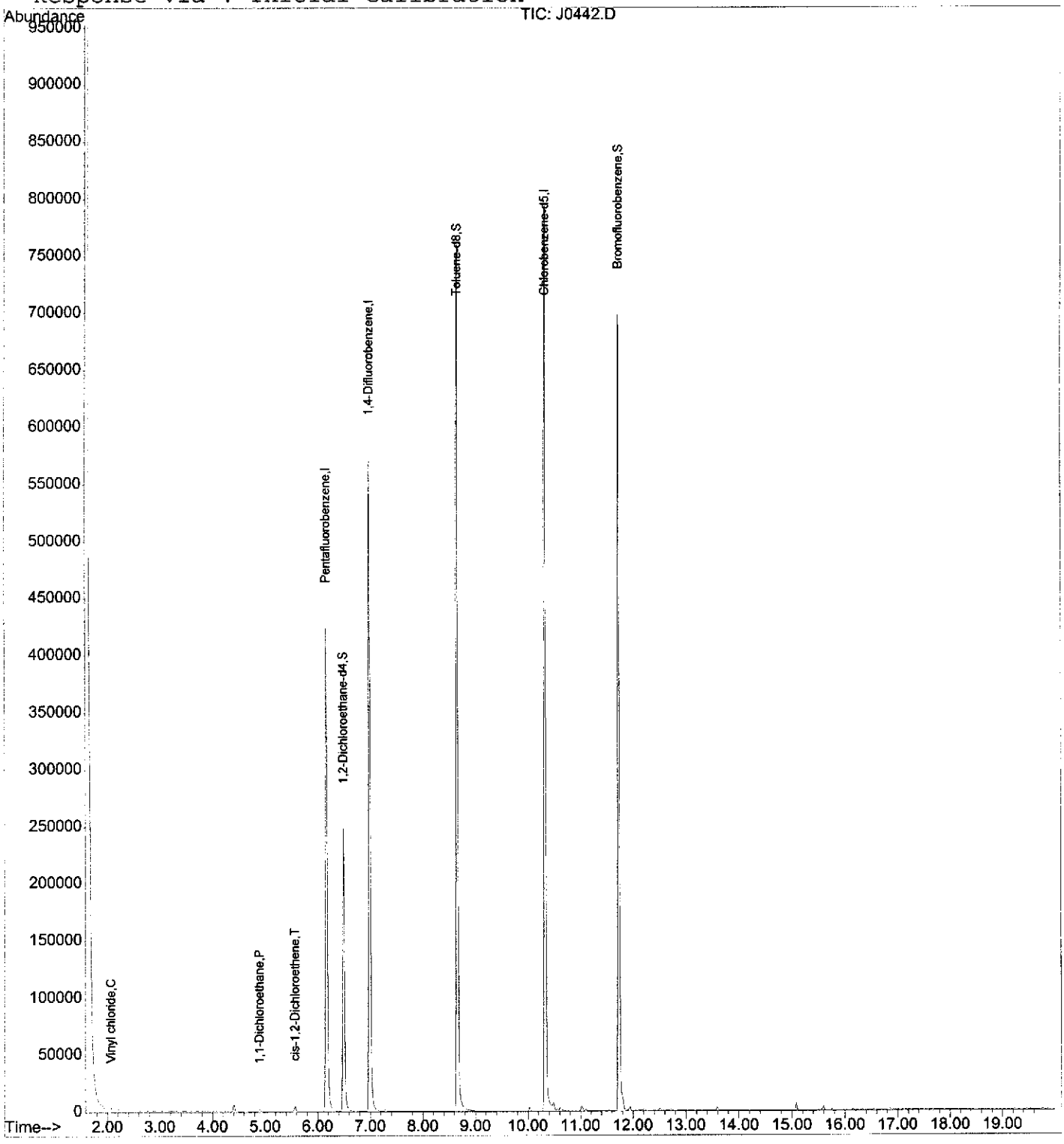
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	333861	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	537231	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	551763	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	204811	51.60	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 103.20%			
41) Toluene-d8	8.66	98	595585	49.93	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.86%			
59) Bromofluorobenzene	11.73	95	299434	47.53	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.06%			
Target Compounds						Qvalue
4) Vinyl chloride	2.07	62	2808	0.85	UG	# 88
18) 1,1-Dichloroethane	4.90	63	4187	0.63	UG	# 86
20) cis-1,2-Dichloroethene	5.57	96	2361	0.64	UG	# 41

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0442.D Vial: 37
Acq On : 28 Jan 2009 3:55 am Operator: BINXU
Sample : DUP(012109),00763-008,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/21/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:33 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0443.D Vial: 38
Acq On : 28 Jan 2009 4:21 am Operator: BINXU
Sample : MW-13,00763-009,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/21/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:47 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

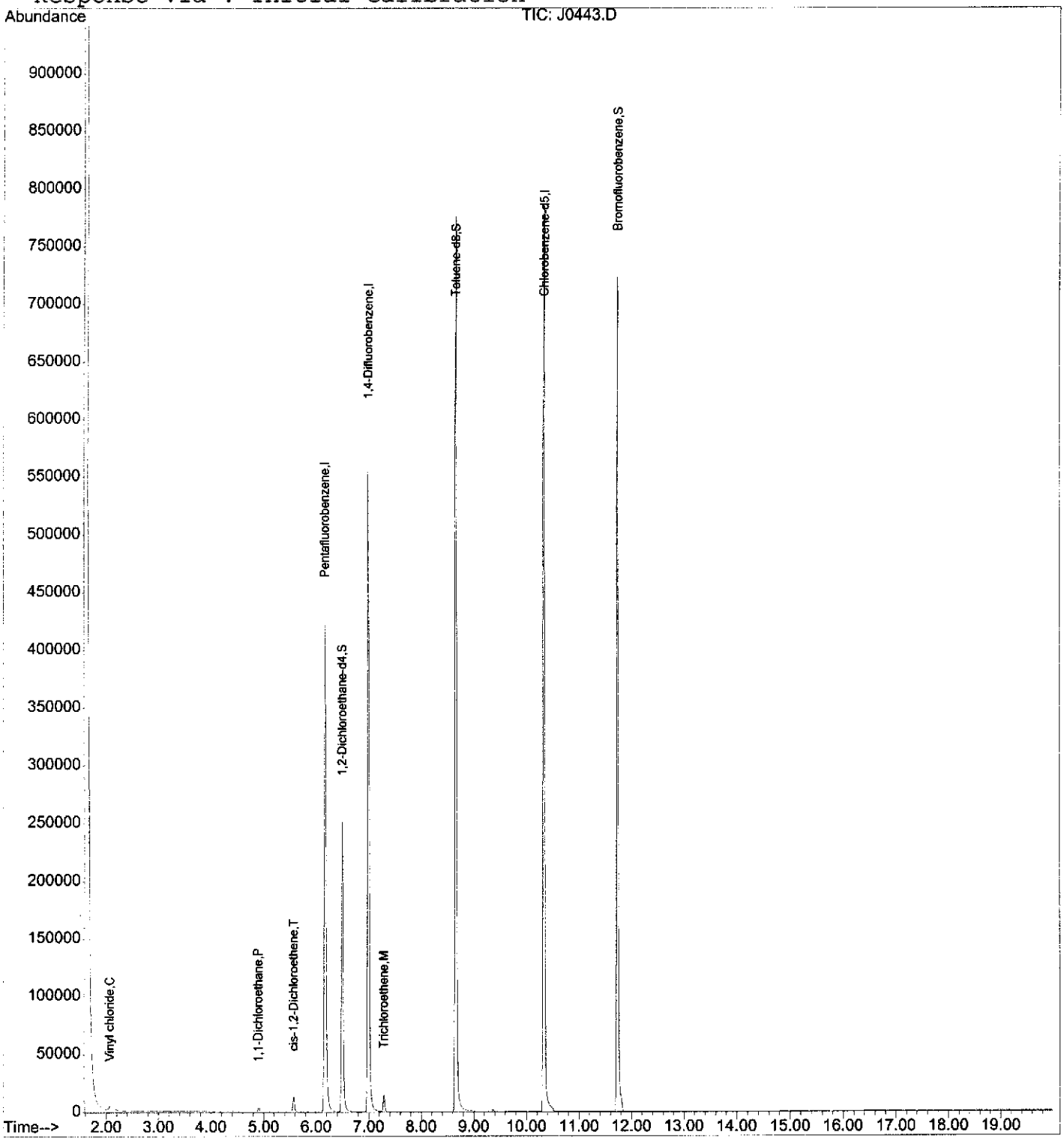
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.17	168	336222	50.00	UG		0.00
31) 1,4-Difluorobenzene	6.99	114	544711	50.00	UG		0.00
50) Chlorobenzene-d5	10.33	117	555460	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	208926	52.26	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 104.52%				
41) Toluene-d8	8.65	98	608479	50.31	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.62%				
59) Bromofluorobenzene	11.73	95	300164	47.33	UG		0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.66%				
Target Compounds							Qvalue
4) Vinyl chloride	2.07	62	9052	2.73	UG		97
18) 1,1-Dichloroethane	4.90	63	5778	0.86	UG	#	86
20) cis-1,2-Dichloroethene	5.57	96	6830	1.85	UG	#	41
33) Trichloroethene	7.29	95	5879	1.62	UG		94

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0443.D Vial: 38
Acq On : 28 Jan 2009 4:21 am Operator: BINXU
Sample : MW-13,00763-009,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/21/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:33 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0444.D Vial: 39
Acq On : 28 Jan 2009 4:47 am Operator: BINXU
Sample : OS-MW-2,00763-010,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/22/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:48 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

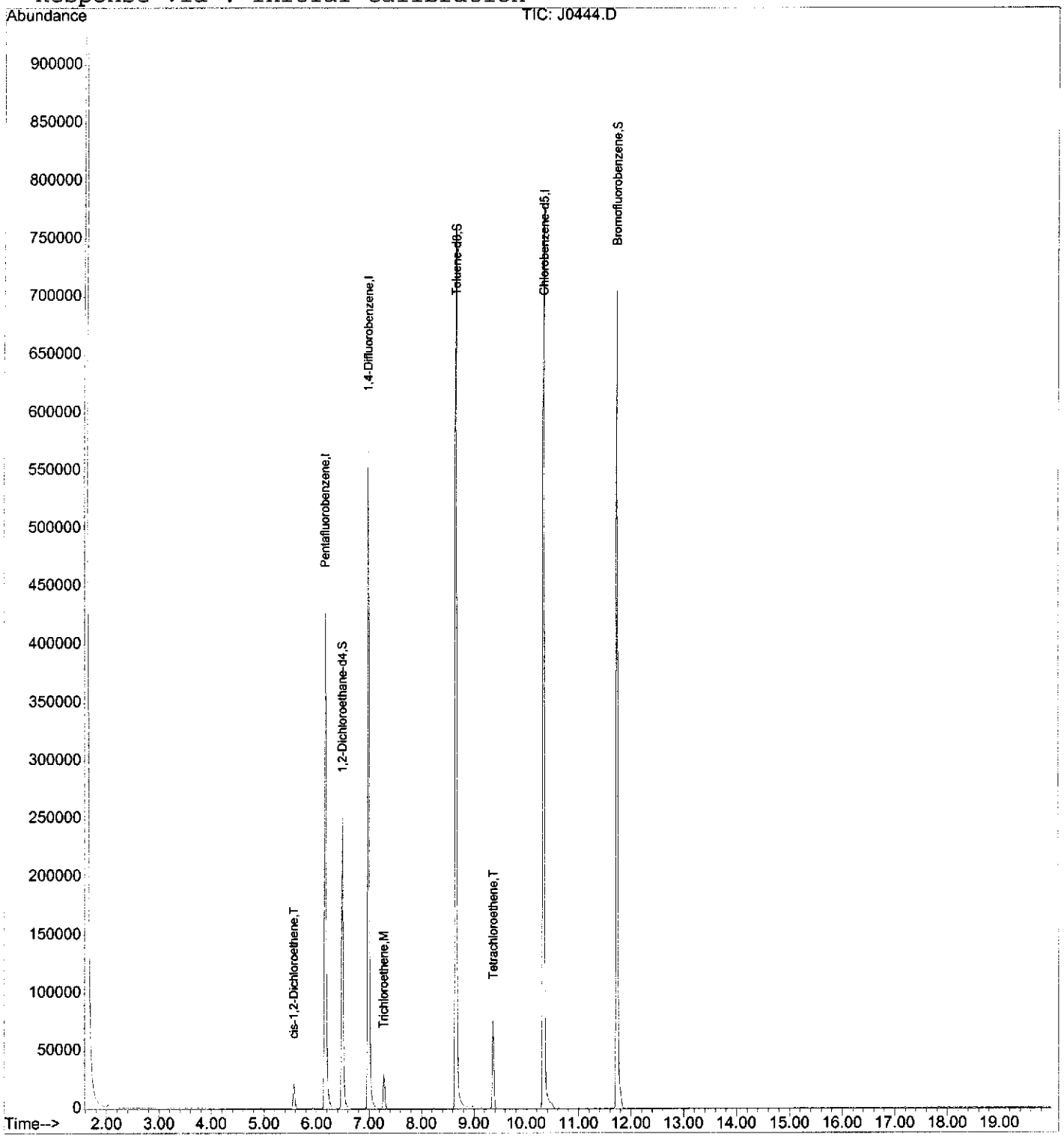
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	344977	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	547343	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	556583	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	207453	50.58	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 101.16%			
41) Toluene-d8	8.66	98	604784	49.76	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.52%			
59) Bromofluorobenzene	11.73	95	297256	46.77	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 93.54%			
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	5.57	96	10842	2.86	UG	# 40
33) Trichloroethene	7.29	95	11468	3.14	UG	93
45) Tetrachloroethene	9.37	166	26680	7.78	UG	# 68

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0444.D Vial: 39
Acq On : 28 Jan 2009 4:47 am Operator: BINXU
Sample : OS-MW-2,00763-010,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/22/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:33 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0445.D Vial: 40
Acq On : 28 Jan 2009 5:12 am Operator: BINXU
Sample : GP-103R,00763-011,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/22/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:48 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

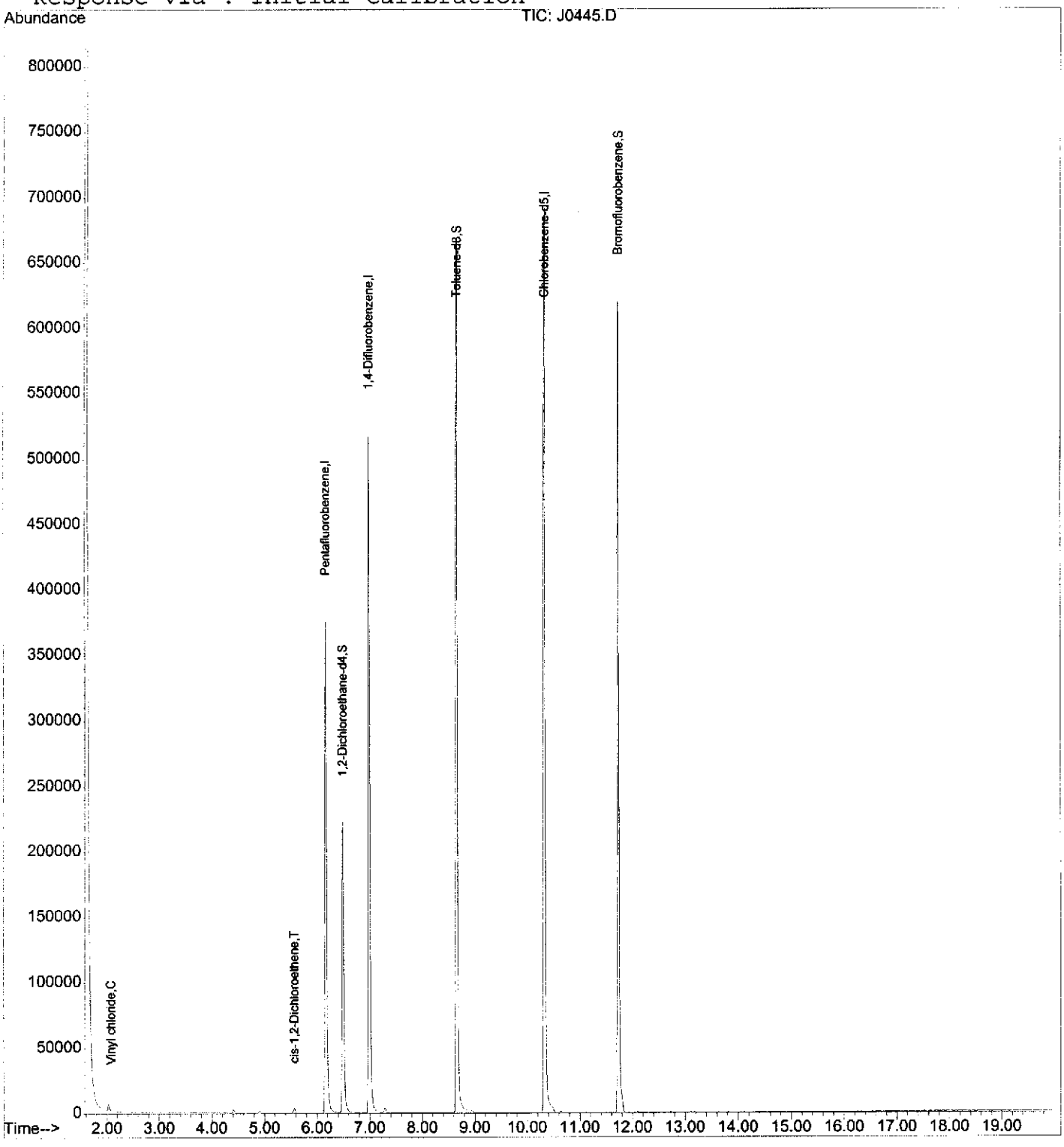
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	302334	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	483937	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	496635	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	187216	52.08	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 104.16%			
41) Toluene-d8	8.66	98	531484	49.46	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 98.92%			
59) Bromofluorobenzene	11.73	95	262133	46.23	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 92.46%			
Target Compounds						Qvalue
4) Vinyl chloride	2.08	62	2276	0.76	UG	# 92
20) cis-1,2-Dichloroethene	5.57	96	1927	0.58	UG	# 75

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0445.D Vial: 40
Acq On : 28 Jan 2009 5:12 am Operator: BINXU
Sample : GP-103R,00763-011,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/22/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:34 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0446.D Vial: 41
Acq On : 28 Jan 2009 5:38 am Operator: BINXU
Sample : GP-104R,00763-012,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/22/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:48 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

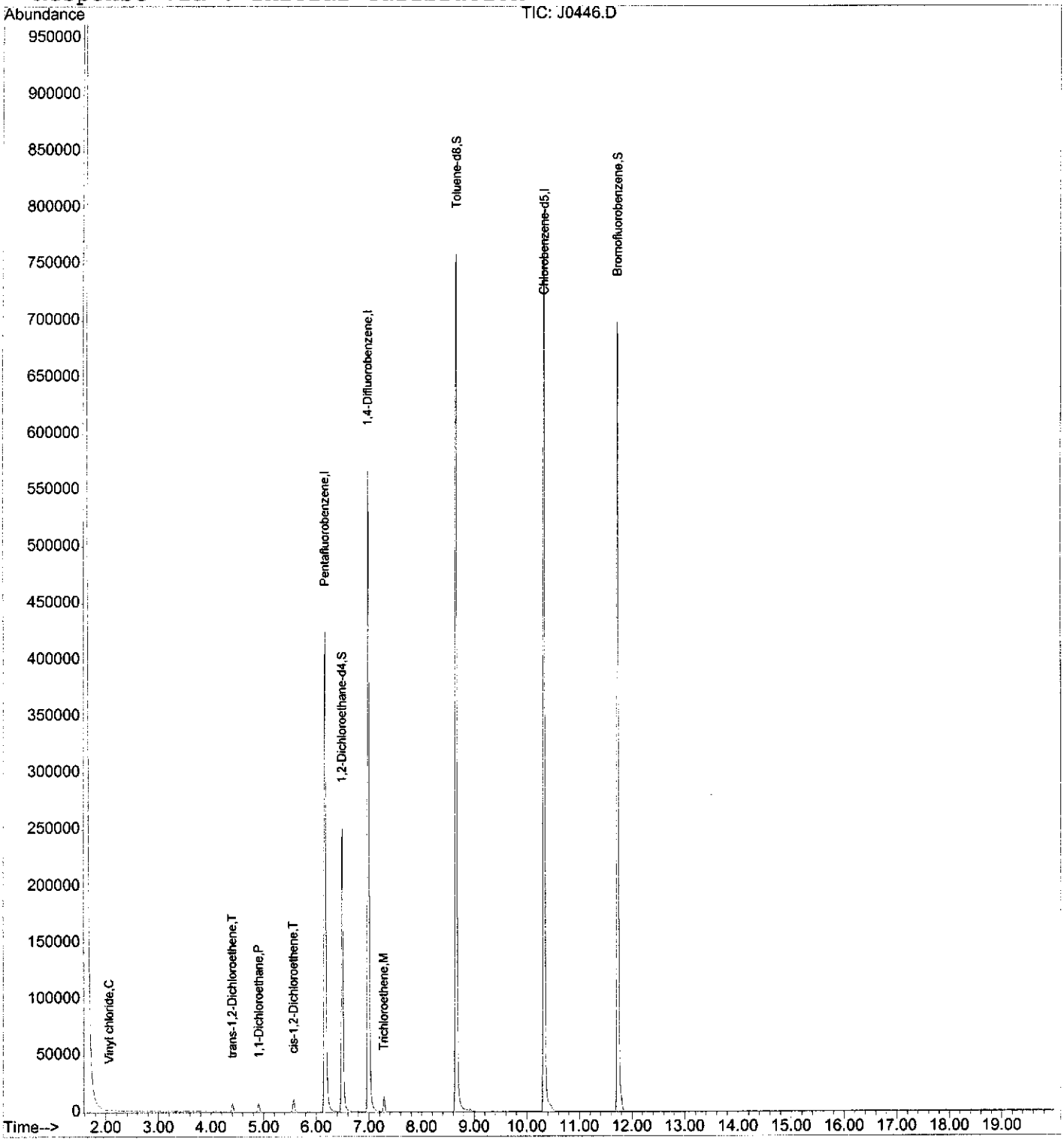
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	336517	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	541366	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	552033	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	205774	51.43	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 102.86%			
41) Toluene-d8	8.66	98	600903	49.99	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.98%			
59) Bromofluorobenzene	11.73	95	292979	46.48	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 92.96%			
Target Compounds						Qvalue
4) Vinyl chloride	2.07	62	1668	0.50	UG	# 85
16) trans-1,2-Dichloroethene	4.41	96	3975	1.19	UG	# 30
18) 1,1-Dichloroethane	4.91	63	9919	1.48	UG	100
20) cis-1,2-Dichloroethene	5.57	96	5834	1.58	UG	# 41
33) Trichloroethene	7.29	95	5372	1.49	UG	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0446.D Vial: 41
Acq On : 28 Jan 2009 5:38 am Operator: BINXU
Sample : GP-104R,00763-012,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/22/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:34 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0449.D Vial: 44
Acq On : 28 Jan 2009 6:55 am Operator: BINXU
Sample : FB(012009),00763-013,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/20/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:49 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	319126	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	509186	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	524157	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	206165	54.33	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 108.66%			
41) Toluene-d8	8.66	98	570053	50.42	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.84%			
59) Bromofluorobenzene	11.73	95	284689	47.57	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.14%			

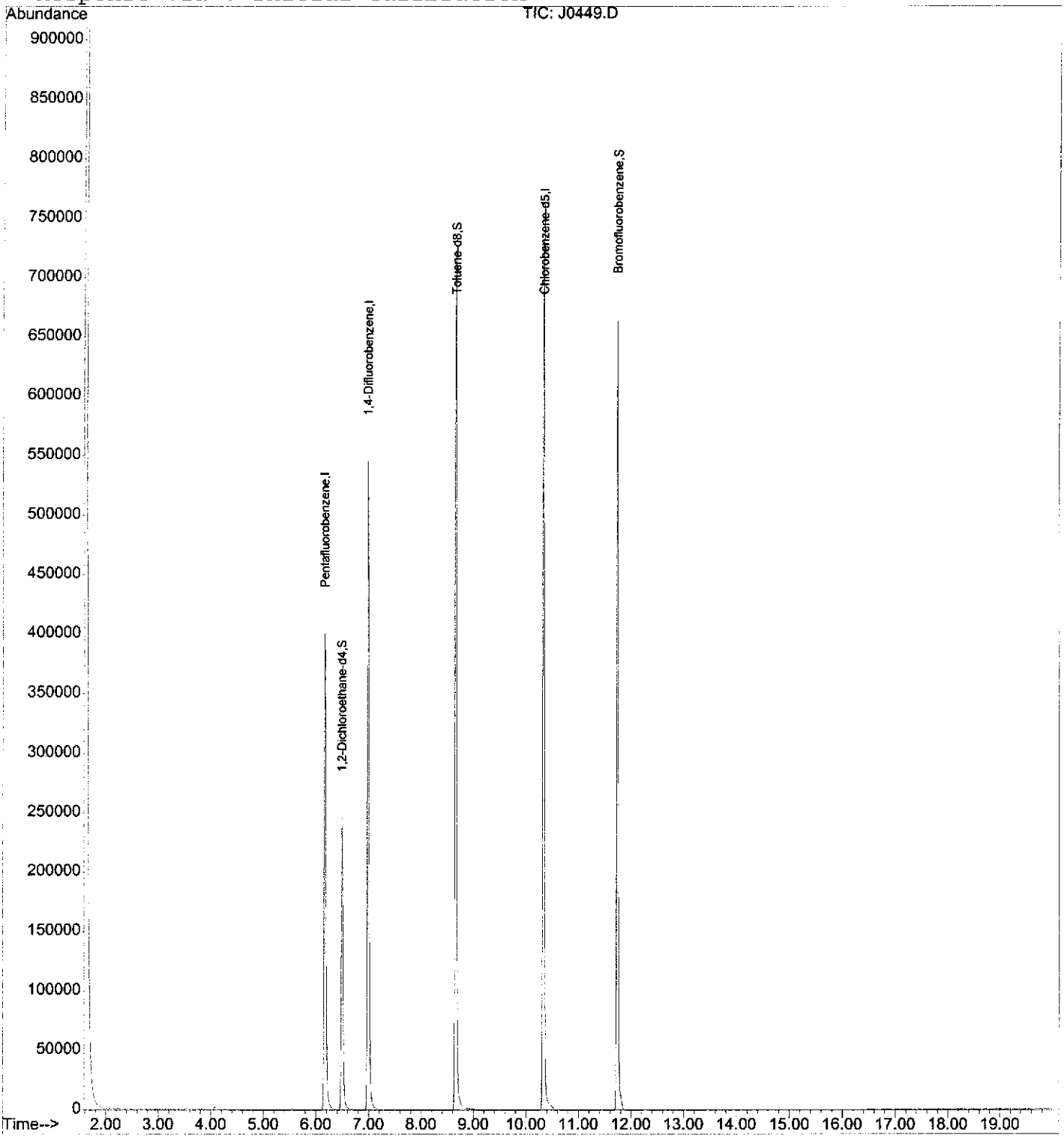
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0449.D Vial: 44
Acq On : 28 Jan 2009 6:55 am Operator: BINXU
Sample : FB(012009),00763-013,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/20/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:35 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0450.D Vial: 45
Acq On : 28 Jan 2009 7:21 am Operator: BINXU
Sample : FB(012109),00763-014,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/21/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:49 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	329723	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	527189	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	542768	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	209067	53.33	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 106.66%			
41) Toluene-d8	8.66	98	588363	50.26	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.52%			
59) Bromofluorobenzene	11.73	95	293571	47.37	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.74%			

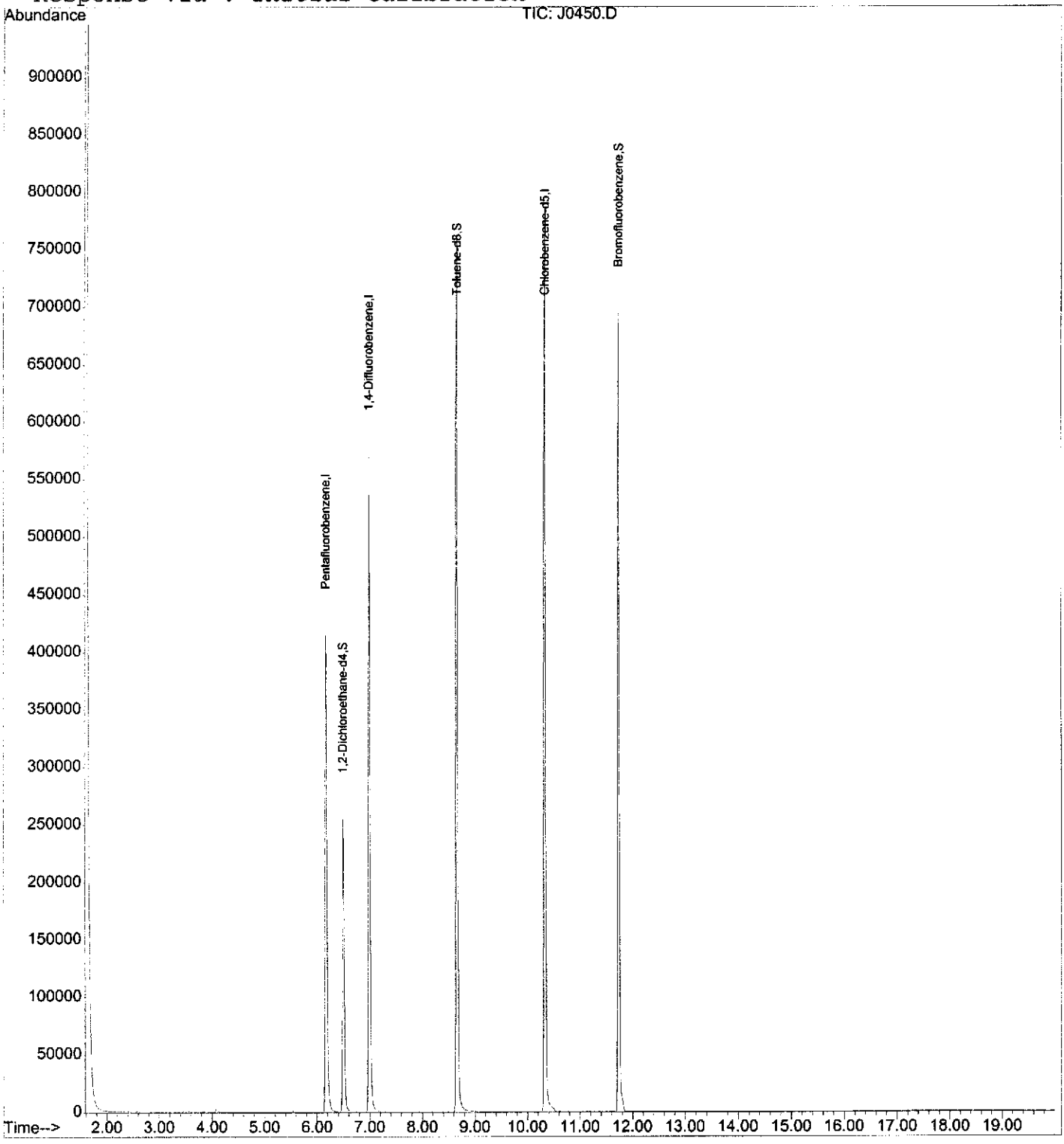
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0450.D Vial: 45
Acq On : 28 Jan 2009 7:21 am Operator: BINXU
Sample : FB(012109),00763-014,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/21/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:35 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0451.D Vial: 46
Acq On : 28 Jan 2009 7:47 am Operator: BINXU
Sample : FB(012209),00763-015,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/22/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:50 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	322485	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	521179	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	538227	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	209340	54.60	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 109.20%			
41) Toluene-d8	8.66	98	575999	49.77	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.54%			
59) Bromofluorobenzene	11.73	95	291254	47.39	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 94.78%			

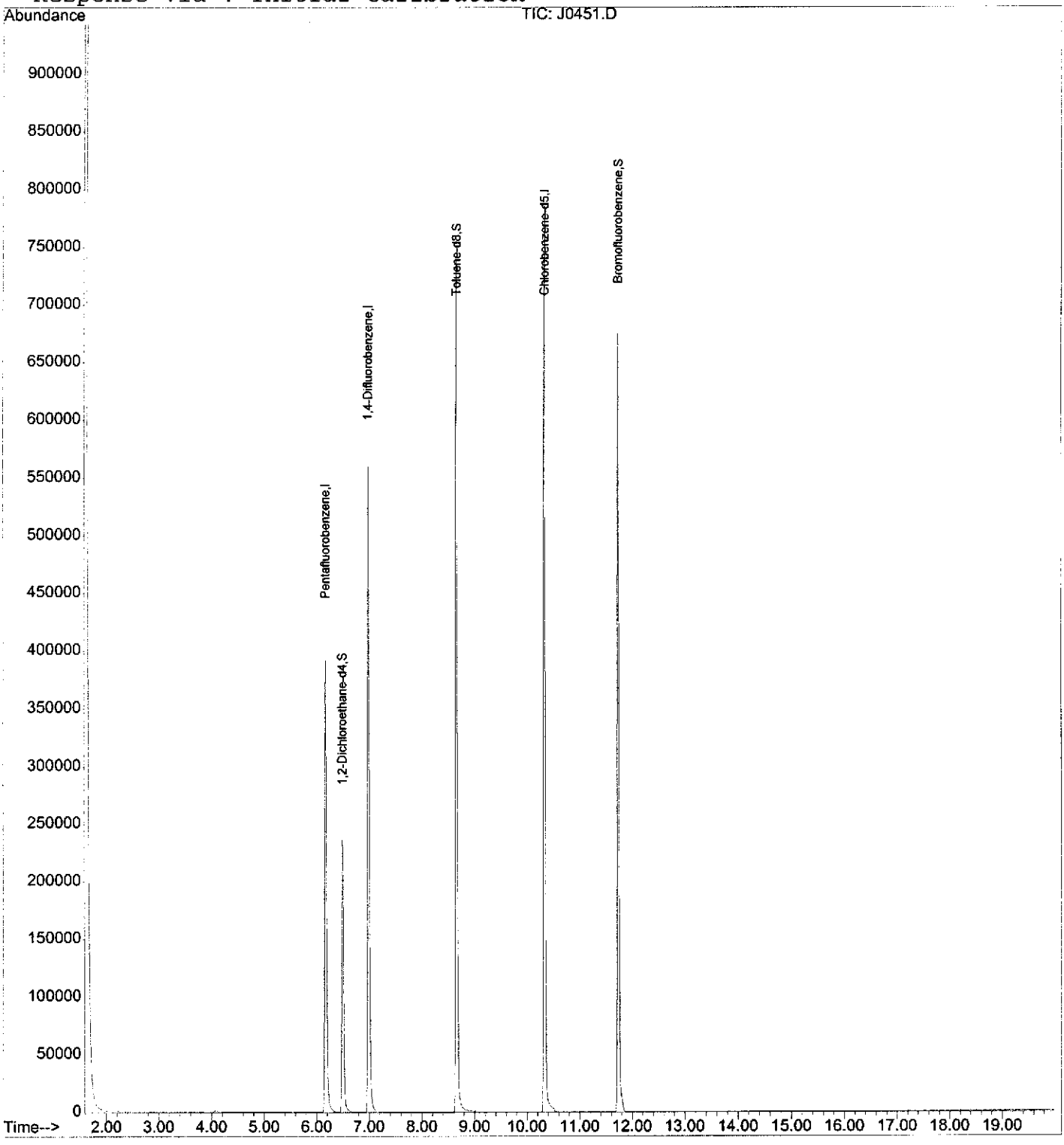
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0451.D Vial: 46
Acq On : 28 Jan 2009 7:47 am Operator: BINXU
Sample : FB(012209),00763-015,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/22/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:35 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0452.D Vial: 47
Acq On : 28 Jan 2009 8:13 am Operator: BINXU
Sample : TBLANK(012009),00763-016,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/20/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:50 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	319715	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	519684	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	537972	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	209982	55.24	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 110.48%			
41) Toluene-d8	8.66	98	580603	50.31	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.62%			
59) Bromofluorobenzene	11.73	95	297337	48.40	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 96.80%			

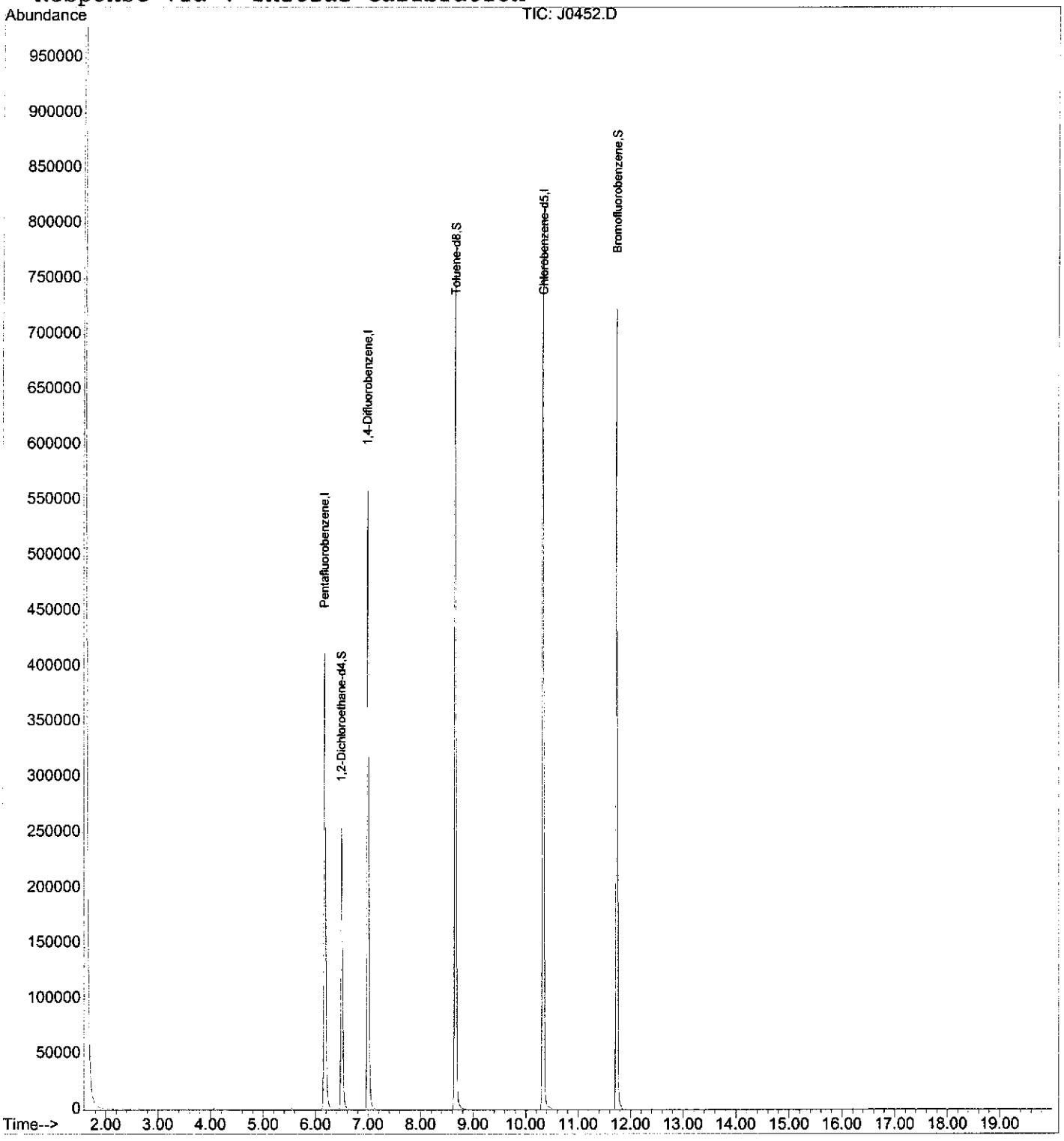
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0452.D Vial: 47
Acq On : 28 Jan 2009 8:13 am Operator: BINXU
Sample : TBLANK(012009),00763-016,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/20/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:35 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0453.D Vial: 48
Acq On : 28 Jan 2009 8:39 am Operator: BINXU
Sample : PTW-2,00763-017,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/22/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:50 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

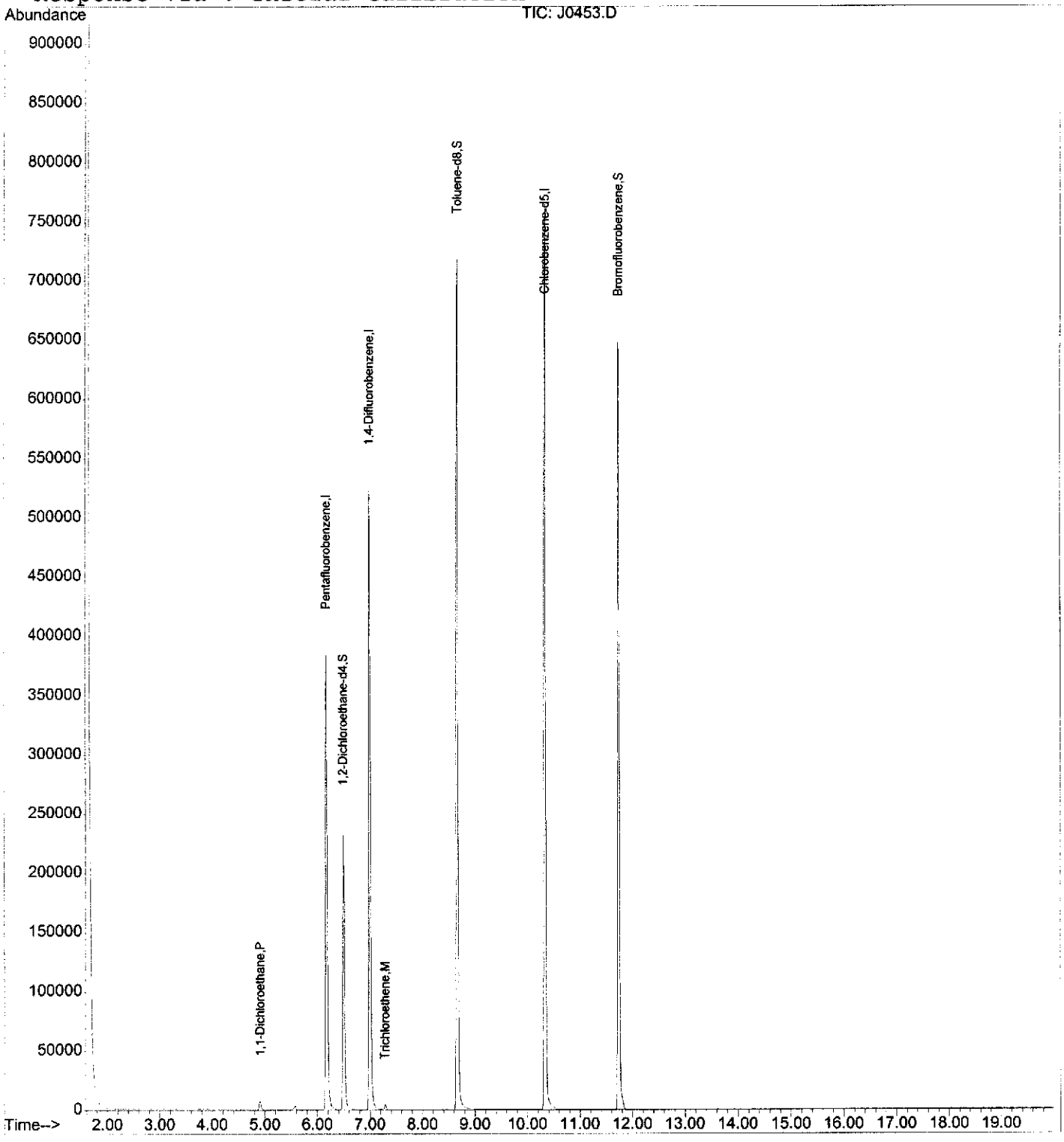
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	304566	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	491036	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	509057	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	198643	54.85	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 109.70%			
41) Toluene-d8	8.66	98	556523	51.04	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 102.08%			
59) Bromofluorobenzene	11.73	95	277204	47.69	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.38%			
Target Compounds						Qvalue
18) 1,1-Dichloroethane	4.91	63	10281	1.69	UG	# 88
33) Trichloroethene	7.29	95	1718	0.52	UG	91

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0453.D Vial: 48
Acq On : 28 Jan 2009 8:39 am Operator: BINXU
Sample : PTW-2,00763-017,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,01/22/09,01/23/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:36 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0410.D Vial: 7
Acq On : 27 Jan 2009 1:53 pm Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:38 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	383811	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	611239	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	615234	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	241512	52.92	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 105.84%			
41) Toluene-d8	8.66	98	679906	50.09	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.18%			
59) Bromofluorobenzene	11.73	95	346796	49.37	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 98.74%			

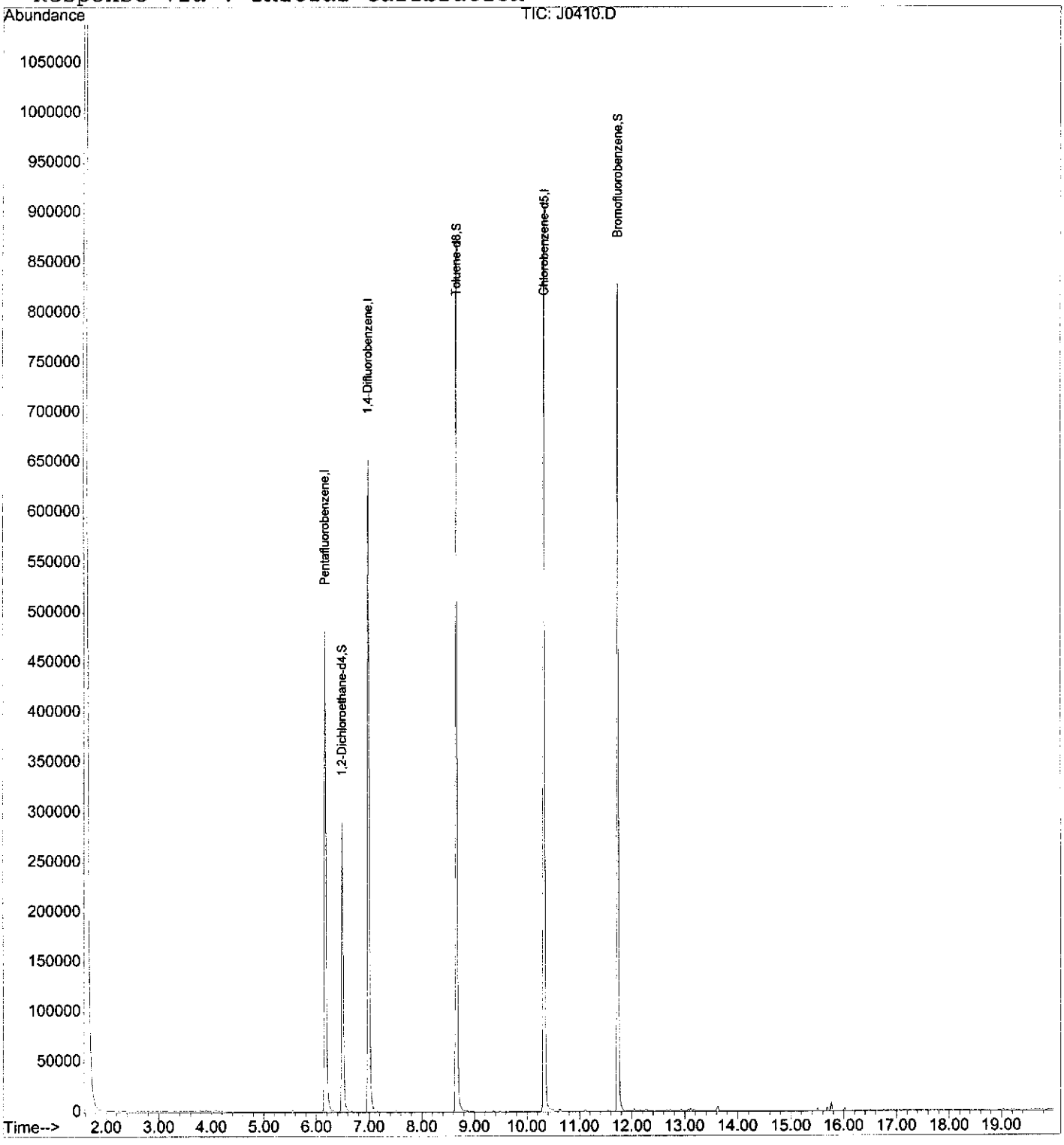
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0410.D Vial: 7
Acq On : 27 Jan 2009 1:53 pm Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 29 11:13 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0437.D Vial: 32
Acq On : 28 Jan 2009 1:46 am Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 12:41:46 2009 Quant Results File: JAW0122.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 11:44:37 2009
Response via : Initial Calibration
DataAcq Meth : JAW0122

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	343923	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	552447	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	566865	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	210867	51.57	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 103.14%			
41) Toluene-d8	8.65	98	611440	49.84	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.68%			
59) Bromofluorobenzene	11.73	95	307886	47.57	UG	0.00
Spiked Amount 50.000	Range 23 - 145		Recovery = 95.14%			

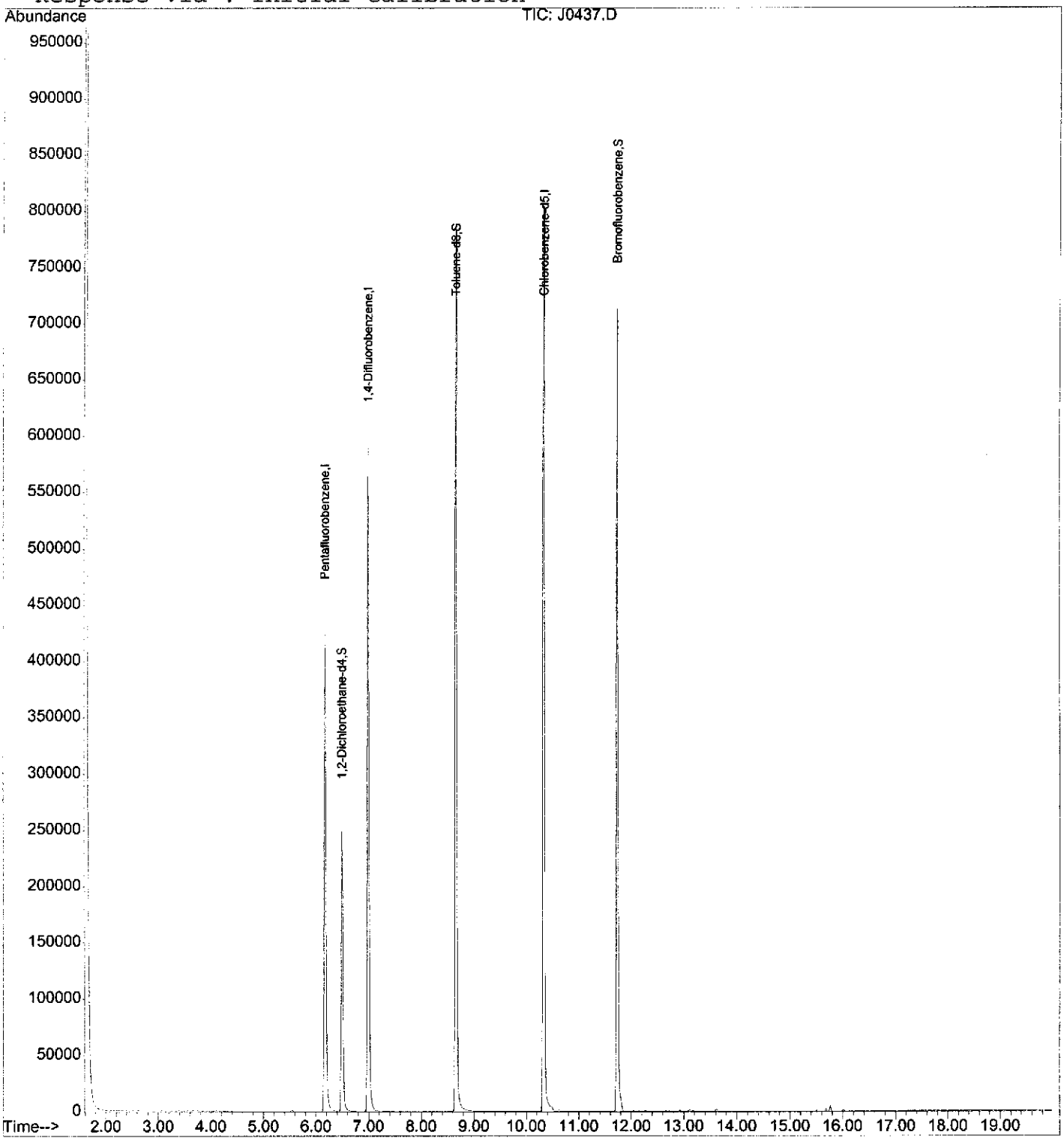
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\01-27-09\J0437.D Vial: 32
Acq On : 28 Jan 2009 1:46 am Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 28 14:30 2009 Quant Results File: JAW0122.RES

Method : C:\MSDCHEM\1\METHODS\JAW0122.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jan 28 14:42:23 2009
Response via : Initial Calibration



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

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER	
Company:	Arcadis
Address:	1 International Blvd Suite 406
	Mahwah, NJ 07495
Telephone #:	(201) 684-1410
Fax #:	(201) 684-1420
Project Manager:	E. Rodriguez
Sampler:	D Boschner, C Laprus
Project Name:	Kings Electric
Project Location (State):	NY
Bottle Order #:	
Quote # :	

REPORTING INFO	
REPORT TO:	E. Rodriguez
Address:	1 International Blvd Suite 406
	Mahwah, NJ 07495
Attn:	Eric Rodriguez
FAX #	201 684-1420
INVOICE TO:	Arcadis
Address:	1 International Blvd Suite 406
	Mahwah, NJ 07495
Attn:	Eric Rodriguez
PO #	NJ000423.0005.00002

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.)

SEE BELOW (under comments section for explanation)

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

Results needed by:

Hard Copy (3 wk/Std)

Other *call for price

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)

DISKETTE
SRP. dbf format
SRP.wk1 format
lab approved custom (EDD)
NO DISK/CD REQ'D

Cooler Temp 4 °C

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

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
MW-MP-2D		1/20/09	09:10	AQ	2	1	X	2							
MW-MP-2S		1/20/09	10:26			2									
OS-MW-3PL		1/20/09	11:56			3									
MW-6S		1/20/09	13:17			4									
OS-MW-1		1/21/09	13:59			5									
MW-9D		1/21/09	14:11			6									
MW-9S		1/21/09	10:42			7									
DUP(012109)		1/21/09	—			8									
MW-13		1/21/09	1115			9									
OS-MW-2		1/22/09	1003			10									

Known Hazard: Yes or No Describe:

Conc. Expected: Low Med High

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

MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)

Signature/Company	Date	Time	Signature/Company
Relinquished by:	1/22/09	12:11	Received by:
Relinquished by:	1/23/09	7:08	Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

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

Lab Case # 00763

PAGE: 1 of 2

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

01/2007 rev

Ref. No: G 3036001.38

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

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER	
Company:	Arcadis
Address:	1 International Blvd Suite 406
	Mahwah, NJ 07495
Telephone #:	201 684-1410
Fax #:	201 684-1420
Project Manager:	E. Rodriguez
Sampler:	DKirschner, CLapius
Project Name:	Kings Electric
Project Location (State):	NY
Bottle Order #:	
Quote # :	

REPORTING INFO	
REPORT TO:	
Address:	1 International Blvd Suite 406
	Mahwah, NJ 07495
Attn:	Eric Rodriguez
FAX #	201 684-1420
INVOICE TO:	
Address:	Same as Above
Attn:	
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.)

SEE BELOW (under comments section for explanation)

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

Results needed by:

Hard Copy Other *call for price 3 wk/Std

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)

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

ANALYTICAL PARAMETERS

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 #	VOC Cis 1,2 DCE	# BOTTLES & PRESERVATIVES: HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
GP-103R		1/22/09	1002	AQ	2	11	X	2							
GP-104R		1/22/09	1102			12									
FB(012009)		1/20/09	1015			13									
FB(012109)		1/21/09	1200			14									
FB(012209)		1/22/09	0915			15									
TBLANK(012009)		1/20/09	0800	V	V	16	V	V							
PTW-2		1/22/09	1353	AQ	2	17	X	2							

Known Hazard: Yes or No Describe:

Conc. Expected: Low Med High

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

MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)

Signature/Company	Date	Time	Signature/Company
Relinquished by:	1/23/09	1211	Received by:
Relinquished by:	1/23/09	1208	Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

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

Lab Case # 00763

PAGE: 2 of 2

4 COPIES - WHITE & YELLOW; CLIENT COPY - PINK

01/2007 rev

PROJECT INFORMATION

E09-00763

Case No. E09-00763 **Project** KINGS ELECTRIC - VENDOR #1168636

Customer	Arcadis Geraghty & Miller	**P.O. #**	NJ000423.0005.000(
Contact	Eric Rodriguez	**Received**	1/23/2009 17:08
EMail	eric.rodriguez@arcadis-us.com ☐ EMail EDDs	**Verbal Due**	2/9/2009
Phone	(201) 684-1410 **Fax** 1(201) 684-1420	**Report Due**	2/17/2009

Report To

465 New Karner Road
Albany, NY 12205

Attn: Eric Rodriguez

Bill To

640 Plaza Drive
Suite 130
Highlands Ranch, CO 80129

Attn: Accounts Payable

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
00763-001	MW-HP-2D	n/a	1/20/2009@09:10	Aqueous	ug/L	2
00763-002	MW-HP-2S	n/a	1/20/2009@10:26	Aqueous	ug/L	2
00763-003	OS-MW-3PL	n/a	1/20/2009@11:56	Aqueous	ug/L	2
00763-004	MW-6S	n/a	1/20/2009@13:17	Aqueous	ug/L	2
00763-005	OS-MW-1	n/a	1/21/2009@13:59	Aqueous	ug/L	2
00763-006	MW-9D	n/a	1/21/2009@14:11	Aqueous	ug/L	2
00763-007	MW-9S	n/a	1/21/2009@10:42	Aqueous	ug/L	2
00763-008	DUP(012109)	n/a	1/21/2009	Aqueous	ug/L	2
00763-009	MW-13	n/a	1/21/2009@11:15	Aqueous	ug/L	2
00763-010	OS-MW-2	n/a	1/22/2009@10:03	Aqueous	ug/L	2
00763-011	GP-103R	n/a	1/22/2009@10:02	Aqueous	ug/L	2
00763-012	GP-104R	n/a	1/22/2009@11:02	Aqueous	ug/L	2
00763-013	FB(012009)	n/a	1/20/2009@10:15	Aqueous	ug/L	2
00763-014	FB(012109)	n/a	1/21/2009@12:00	Aqueous	ug/L	2
00763-015	FB(012209)	n/a	1/22/2009@09:15	Aqueous	ug/L	2
00763-016	TBLANK(012009)	n/a	1/20/2009	Aqueous	ug/L	2
00763-017	PTW-2	n/a	1/22/2009@13:53	Aqueous	ug/L	2

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

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PROJECT INFORMATION

Case No. E09-00763 **Project** KINGS ELECTRIC - VENDOR #1168636

Sample #	Tests	Status	QA Method
012	PP VOA + Cis 1,2-DCE	Run	8260B
013	PP VOA + Cis 1,2-DCE	Run	8260B
014	PP VOA + Cis 1,2-DCE	Run	8260B
015	PP VOA + Cis 1,2-DCE	Run	8260B
016	PP VOA + Cis 1,2-DCE	Run	8260B
017	PP VOA + Cis 1,2-DCE	Run	8260B

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INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 09** **00763** 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	

[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 1/23/09

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

CLIENT NOTIFIED: YES Date/ Time: NO

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [signature] DATE 1/26/09

Laboratory Custody Chronicle

IAL Case No.

E09-00763

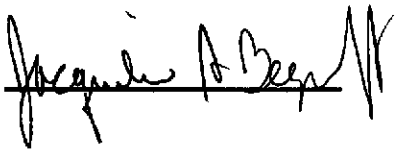
Client Arcadis Geraghty & Miller

Project KINGS ELECTRIC - VENDOR #1168636

Received On 1/23/2009@17:08

Department: Volatiles			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
PP VOA + Cis 1,2-DCE	00763-001	Aqueous	n/a	n/a	1/27/09	Xing
"	-002	"	n/a	n/a	1/27/09	Xing
"	-003	"	n/a	n/a	1/27/09	Xing
"	-004	"	n/a	n/a	1/27/09	Xing
"	-005	"	n/a	n/a	1/28/09	Xing
"	-006	"	n/a	n/a	1/28/09	Xing
"	-007	"	n/a	n/a	1/28/09	Xing
"	-008	"	n/a	n/a	1/28/09	Xing
"	-009	"	n/a	n/a	1/28/09	Xing
"	-010	"	n/a	n/a	1/28/09	Xing
"	-011	"	n/a	n/a	1/28/09	Xing
"	-012	"	n/a	n/a	1/28/09	Xing
"	-013	"	n/a	n/a	1/28/09	Xing
"	-014	"	n/a	n/a	1/28/09	Xing
"	-015	"	n/a	n/a	1/28/09	Xing
"	-016	"	n/a	n/a	1/28/09	Xing
"	-017	"	n/a	n/a	1/28/09	Xing

Review and Approval:



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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: **E09-03980**

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.

E09-03980

Client Arcadis Geraghty & Miller

Project KINGS ELECTRONICS VENDOR #1168636

Received On 4/22/2009@18:10

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
03980-001	PTW-2	n/a	4/21/2009@14:05	Aqueous	2
03980-002	MW-13R	n/a	4/21/2009@12:17	Aqueous	2
03980-003	MW-6S	n/a	4/21/2009@11:07	Aqueous	2
03980-004	GP-103R	n/a	4/22/2009@09:42	Aqueous	2
03980-005	GP-104R	n/a	4/22/2009@10:47	Aqueous	2
03980-006	MW-9SR	n/a	4/22/2009@13:17	Aqueous	2
03980-007	MW-9D	n/a	4/22/2009@14:02	Aqueous	2
03980-008	DUP(042109)	n/a	4/21/2009	Aqueous	2
03980-009	FB(042109)	n/a	4/21/2009@12:00	Aqueous	2
03980-010	FB(042209)	n/a	4/22/2009@10:30	Aqueous	2
03980-011	TB(042109)	n/a	4/21/2009	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 April 22, 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

5/7/09
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E09-03980

		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.	✓

QC Reviewed by

5/7/09
Date

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

Lab Case Number: E09 - 3980

	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		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

5/1/09
Date

rev 01/09

SUMMARY REPORT
Client: Arcadis Geraghty & Miller
Project: KINGS ELECTRONICS VENDOR #1168636
Lab Case No.: E09-03980

	Lab ID:	03980-001			03980-002			03980-003			03980-004		
	Client ID:	PTW-2			MW-13R			MW-6S			GP-103R		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	4/21/09			4/21/09			4/21/09			4/22/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		0.816		0.260	0.546		0.260	ND		0.260	10.9		0.260
trans-1,2-Dichloroethene		0.717		0.190	ND		0.190	ND		0.190	1.80		0.190
1,1-Dichloroethane		1.88		0.230	0.792		0.230	0.382		0.230	ND		0.230
cis-1,2-Dichloroethene		1.31		0.200	0.853		0.200	ND		0.200	3.22		0.200
1,1,1-Trichloroethane		ND		0.230	ND		0.230	6.31		0.230	ND		0.230
Trichloroethene		1.54		0.280	1.18		0.280	33.9		0.280	0.323		0.280
Tetrachloroethene		ND		0.190	ND		0.190	3.54		0.190	ND		0.190
TOTAL VO's:		6.26			3.37			44.1			16.2		

	Lab ID:	03980-005			03980-006			03980-007			03980-008		
	Client ID:	GP-104R			MW-9SR			MW-9D			DUP(042109)		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	4/22/09			4/22/09			4/22/09			4/21/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		ND		0.260	0.757		0.260	ND		0.260	0.543		0.260
trans-1,2-Dichloroethene		0.759		0.190	1.31		0.190	ND		0.190	ND		0.190
1,1-Dichloroethane		0.789		0.230	0.877		0.230	ND		0.230	0.877		0.230
cis-1,2-Dichloroethene		1.16		0.200	0.657		0.200	ND		0.200	0.892		0.200
Trichloroethene		1.13		0.280	ND		0.280	ND		0.280	1.21		0.280
TOTAL VO's:		3.84			3.60			ND			3.52		

	Lab ID:	03980-009			03980-010			03980-011		
	Client ID:	FB(042109)			FB(042209)			TB(042109)		
	Matrix:	Aqueous			Aqueous			Aqueous		
	Sampled Date	4/21/09			4/22/09			4/21/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
cis-1,2-Dichloroethene		ND		0.200	ND		0.200	ND		0.200
TOTAL VO's:		ND			ND			ND		

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 03980-001
Client ID: PTW-2
Date Received: 04/22/2009
Date Analyzed: 04/28/2009
Data file: J2089.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		0.230
Vinyl chloride	0.816		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	0.717		0.190
1,1-Dichloroethane	1.88		0.230
cis-1,2-Dichloroethene	1.31		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	1.54		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 6.26

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 03980-002
Client ID: MW-13R
Date Received: 04/22/2009
Date Analyzed: 04/28/2009
Data file: J2090.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		0.230
Vinyl chloride	0.546		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	0.792		0.230
cis-1,2-Dichloroethene	0.853		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	1.18		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 3.37

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELECTRONICS

Lab ID: 03980-003
Client ID: MW-6S
Date Received: 04/22/2009
Date Analyzed: 04/30/2009
Data file: J2201.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	0.382		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	6.31		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	33.9		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	3.54		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 44.1

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 03980-004
Client ID: GP-103R
Date Received: 04/22/2009
Date Analyzed: 04/28/2009
Data file: J2095.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		0.230
Vinyl chloride	10.9		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	1.80		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	3.22		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	0.323		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 16.2

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 03980-005
Client ID: GP-104R
Date Received: 04/22/2009
Date Analyzed: 04/28/2009
Data file: J2096.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	0.759		0.190
1,1-Dichloroethane	0.789		0.230
cis-1,2-Dichloroethene	1.16		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	1.13		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 3.84

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 03980-006
Client ID: MW-9SR
Date Received: 04/22/2009
Date Analyzed: 04/28/2009
Data file: J2097.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		0.230
Vinyl chloride	0.757		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	1.31		0.190
1,1-Dichloroethane	0.877		0.230
cis-1,2-Dichloroethene	0.657		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 3.60

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 03980-007
Client ID: MW-9D
Date Received: 04/22/2009
Date Analyzed: 04/28/2009
Data file: J2098.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 03980-008
Client ID: DUP(042109)
Date Received: 04/22/2009
Date Analyzed: 04/28/2009
Data file: J2099.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		0.230
Vinyl chloride	0.543		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	0.877		0.230
cis-1,2-Dichloroethene	0.892		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	1.21		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 3.52

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS_ELEC

Lab ID: 03980-009
Client ID: FB(042109)
Date Received: 04/22/2009
Date Analyzed: 04/28/2009
Data file: J2100.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 03980-010
Client ID: FB(042209)
Date Received: 04/22/2009
Date Analyzed: 04/28/2009
Data file: J2101.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 03980-011
Client ID: TB(042209)
Date Received: 04/22/2009
Date Analyzed: 04/28/2009
Data file: J2105.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J1915.D

BFB Injection Date: 04/20/2009

Inst ID: MSD_J

BFB Injection Time: 1:07

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	20.2			
75	30.0 - 60.0% of mass 95	49.5			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	7.6			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	92.2			
175	5.0 - 9.0% of mass 174	7.3	(	7.9	)1
176	95.0 - 101.0% of mass 174	89.2	(	96.8	)1
177	5.0 - 9.0% of mass 176	5.9	(	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
20PPB	STD-20PPB	J1918.D	04/20/2009	2:33
1PPB	STD-1PPB	J1920.D	04/20/2009	3:29
100PPB	STD-100PPB	J1921.D	04/20/2009	3:58
5PPB	STD-5PPB	J1922.D	04/20/2009	4:26
200PPB	STD-200PPB	J1923.D	04/20/2009	4:55
150PPB	STD-150PPB	J1924.D	04/20/2009	5:23

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J2082.D

BFB Injection Date: 04/28/2009

Inst ID: MSD_J

BFB Injection Time: 12:55

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	19.9			
75	30.0 - 60.0% of mass 95	55.3			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.6			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	75.2			
175	5.0 - 9.0% of mass 174	5.9	(	7.8	)1
176	95.0 - 101.0% of mass 174	72.3	(	96.1	)1
177	5.0 - 9.0% of mass 176	4.6	(	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	J2084.D	04/28/2009	1:52
NA	METHOD-BLK	J2086.D	04/28/2009	2:49
GW_MW7	03933-001	J2087.D	04/28/2009	3:18
LCS-50PPB	BLK-SPK	J2088.D	04/28/2009	3:46
PTW-2	03980-001	J2089.D	04/28/2009	4:15
MW-13R	03980-002	J2090.D	04/28/2009	4:43
MS	WATER-MS	J2093.D	04/28/2009	6:08
MSD	WATER-MSD	J2094.D	04/28/2009	6:37
GP-103R	03980-004	J2095.D	04/28/2009	7:05
GP-104R	03980-005	J2096.D	04/28/2009	7:33
MW-9SR	03980-006	J2097.D	04/28/2009	8:01
MW-9D	03980-007	J2098.D	04/28/2009	8:29
DUP(042109)	03980-008	J2099.D	04/28/2009	8:58
FB(042109)	03980-009	J2100.D	04/28/2009	9:26
FB(042209)	03980-010	J2101.D	04/28/2009	9:55
B1(1-2)	04103-004	J2102.D	04/28/2009	10:23
B2(1-2)	04103-005	J2103.D	04/28/2009	10:51
B3(1-2)	04103-006	J2104.D	04/28/2009	11:20
TB(042209)	03980-011	J2105.D	04/28/2009	11:48

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J2186.D

BFB Injection Date: 04/30/2009

Inst ID: MSD_J

BFB Injection Time: 11:14

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	19.9			
75	30.0 - 60.0% of mass 95	56.4			
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	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	80.9			
175	5.0 - 9.0% of mass 174	6.1	(	7.5	)1
176	95.0 - 101.0% of mass 174	80.4	(	99.4	)1
177	5.0 - 9.0% of mass 176	6.1	(	7.6	)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	J2187.D	04/30/2009	11:42
NA	METHOD-BLK	J2189.D	04/30/2009	12:38
WCC-1S	03975-001	J2190.D	04/30/2009	1:07
WCC-8S	03975-002	J2191.D	04/30/2009	1:35
WCC-8SDUP	03975-003	J2192.D	04/30/2009	2:03
LCS-50PPB	BLK-SPK	J2193.D	04/30/2009	2:31
WCC10S	03975-004	J2194.D	04/30/2009	3:00
FB-042209	03975-005	J2195.D	04/30/2009	3:28
MW-GG-2S	03975-006	J2196.D	04/30/2009	3:57
MW-E2-2S	03975-007	J2197.D	04/30/2009	4:25
MW-E2-2D	03975-008	J2198.D	04/30/2009	4:53
MS	MS	J2199.D	04/30/2009	5:21
MSD	MSD	J2200.D	04/30/2009	5:50
MW-6S	03980-003	J2201.D	04/30/2009	6:18
MW-17/2.5	04201-001	J2202.D	04/30/2009	6:46
MW-11/4.5	04201-002	J2203.D	04/30/2009	7:15
FB042909	04201-003	J2204.D	04/30/2009	7:43
TB042909	04201-004	J2205.D	04/30/2009	8:12

VOLATILE METHOD BLANK SUMMARY

Lab File ID: J2086.D Instrument ID: MSD_J

Date Analyzed: 04/28/2009 Time Analyzed: 02:49

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
GW_MW7	03933-001	04/28/2009	3:18
LCS-50PPB	BLK-SPK	04/28/2009	3:46
PTW-2	03980-001	04/28/2009	4:15
MW-13R	03980-002	04/28/2009	4:43
MS	WATER-MS	04/28/2009	6:08
MSD	WATER-MSD	04/28/2009	6:37
GP-103R	03980-004	04/28/2009	7:05
GP-104R	03980-005	04/28/2009	7:33
MW-9SR	03980-006	04/28/2009	8:01
MW-9D	03980-007	04/28/2009	8:29
DUP(042109)	03980-008	04/28/2009	8:58
FB(042109)	03980-009	04/28/2009	9:26
FB(042209)	03980-010	04/28/2009	9:55
B1(1-2)	04103-004	04/28/2009	10:23
B2(1-2)	04103-005	04/28/2009	10:51
B3(1-2)	04103-006	04/28/2009	11:20
TB(042209)	03980-011	04/28/2009	11:48

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: NA
Date Received:
Date Analyzed: 04/28/2009
Data file: J2086.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0

VOLATILE METHOD BLANK SUMMARY

Lab File ID: J2189.D Instrument ID: MSD_J

Date Analyzed: 04/30/2009 Time Analyzed: 12:38

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
WCC-1S	03975-001	04/30/2009	1:07
WCC-8S	03975-002	04/30/2009	1:35
WCC-8SDUP	03975-003	04/30/2009	2:03
LCS-50PPB	BLK-SPK	04/30/2009	2:31
WCC10S	03975-004	04/30/2009	3:00
FB-042209	03975-005	04/30/2009	3:28
MW-GG-2S	03975-006	04/30/2009	3:57
MW-E2-2S	03975-007	04/30/2009	4:25
MW-E2-2D	03975-008	04/30/2009	4:53
MS	MS	04/30/2009	5:21
MSD	MSD	04/30/2009	5:50
MW-6S	03980-003	04/30/2009	6:18
MW-17/2.5	04201-001	04/30/2009	6:46
MW-11/4.5	04201-002	04/30/2009	7:15
FB042909	04201-003	04/30/2009	7:43
TB042909	04201-004	04/30/2009	8:12

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: NA
Date Received:
Date Analyzed: 04/30/2009
Data file: J2189.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0

Response Factor Report MSD_J

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration

Calibration Files
5 =J1922.D 100 =J1921.D 20 =J1918.D
150 =J1924.D 200 =J1923.D 1 =J1920.D

		Compound (ppb)	5	100	20	150	200	1	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluoromet	0.745	0.730	0.760	0.683	0.662	0.842	0.737	8.60
3)	P	Chloromethane	0.777	0.758	0.820	0.674	0.807	0.821	0.776	7.21
4)	C	Vinyl chloride	0.661	0.679	0.708	0.674	0.725	0.654	0.684	4.03
5)	T	Bromomethane	0.518	0.464	0.523	0.430	0.440	0.598	0.495	12.81
6)	T	Chloroethane	0.434	0.401	0.473	0.372	0.393	0.457	0.422	9.32
7)	T	Trichlorofluorometh	1.287	1.058	1.123	0.967	1.035	1.375	1.141	13.85
8)	T	Acrolein	0.009	0.013	0.008	0.013	0.012	0.009	0.011	21.47
9)	MC	1,1-Dichloroethene	0.508	0.599	0.615	0.607	0.653	0.751	0.622	12.73
10)	T	Acetone	0.279	0.249	0.269	0.232	0.235	0.318	0.264	12.37
11)	T	Carbon disulfide	1.728	1.889	1.868	1.920	2.054	1.872	1.888	5.54
12)	T	Vinyl acetate	1.907	1.913	2.111	1.836	1.888	2.177	1.972	6.98
13)	T	Methylene chloride	0.715	0.664	0.736	0.664	0.694	0.820	0.716	8.17
14)	T	Acrylonitrile	0.163	0.202	0.144	0.196	0.197	0.191	0.182	12.68
15)	T	tert-Butyl alcohol	0.088	0.081	0.089	0.081	0.077	0.101	0.086	9.58
16)	T	trans-1,2-Dichloroe	0.391	0.628	0.659	0.628	0.669	0.711	0.614	18.48
17)	T	Methyl tert-butyl e	2.147	2.042	2.143	2.080	2.114	2.185	2.119	2.43
18)	P	1,1-Dichloroethane	0.987	1.041	1.054	1.026	1.094	0.970	1.029	4.39
19)	T	Diisopropyl ether (	1.640	1.687	1.830	1.647	1.713	1.806	1.721	4.68
20)	T	cis-1,2-Dichloroeth	0.609	0.637	0.678	0.651	0.667	0.669	0.652	3.93
21)	T	2,2-Dichloropropane	0.520	0.527	0.560	0.488	0.517	0.529	0.524	4.42
22)	T	2-Butanone (MEK)	0.353	0.309	0.348	0.289	0.292	0.384	0.329	11.62
23)	T	Bromochloromethane	0.409	0.408	0.444	0.403	0.412	0.417	0.416	3.52
25)	C	Chloroform	1.245	1.324	1.427	1.318	1.383	1.228	1.321	5.82
26)	T	1,1,1-Trichloroetha	0.931	1.067	1.029	1.070	1.130	0.919	1.024	8.18
27)	T	Carbon tetrachlorid	0.892	1.043	1.009	1.046	1.134	0.909	1.006	9.06
28)	T	1,1-Dichloropropene	0.819	0.870	0.890	0.857	0.895	0.865	0.866	3.13
29)	T	1,2-Dichloroethane	1.246	1.255	1.386	1.207	1.284	1.361	1.290	5.41
30)	S	1,2-Dichloroethane-	0.752	0.650	0.711	0.604	0.621	0.734	0.679	9.15
31)	I	1,4-Difluorobenzene	----------ISTD----------							
32)	M	Benzene	1.391	1.540	1.534	1.516	1.540	1.517	1.506	3.80
33)	M	Trichloroethene	0.399	0.450	0.429	0.454	0.475	0.407	0.436	6.72
34)	C	1,2-Dichloropropane	0.379	0.421	0.435	0.423	0.430	0.393	0.413	5.39
35)	T	Dibromomethane	0.314	0.315	0.327	0.318	0.324	0.301	0.316	2.82
36)	T	1,4-Dioxane	0.003	0.005	0.003	0.005	0.005	0.003	0.004	21.92
37)	T	Bromodichloromethan	0.594	0.666	0.628	0.682	0.711	0.916	0.700	16.26
38)	T	2-Chloroethyl vinyl	0.174	0.212	0.152	0.230	0.239	0.143	0.192	21.26
39)	T	cis-1,3-Dichloropro	0.541	0.732	0.664	0.745	0.773	0.683	0.690	12.06
40)	T	4-Methyl-2-pentanon	0.471	0.496	0.450	0.492	0.497	0.440	0.474	5.25
41)	S	Toluene-d8	1.113	1.137	1.123	1.116	1.143	1.076	1.118	2.11
42)	MC	Toluene	0.974	1.079	1.074	1.074	1.112	1.055	1.061	4.41
43)	T	trans-1,3-Dichlorop	0.959	0.755	0.667	0.775	0.803	0.866	0.804	12.42
44)	T	1,1,2-Trichloroetha	0.357	0.362	0.375	0.359	0.363	0.368	0.364	1.79
45)	T	Tetrachloroethene	0.381	0.427	0.410	0.425	0.449	0.483	0.429	8.03
46)	T	1,3-Dichloropropane	0.666	0.752	0.779	0.747	0.755	0.648	0.725	7.43
47)	T	2-Hexanone	0.301	0.403	0.335	0.400	0.407	0.322	0.361	13.09
48)	T	Dibromochloromethan	0.424	0.593	0.508	0.618	0.645	0.717	0.584	17.80024
49)	T	1,2-Dibromoethane (	0.447	0.512	0.492	0.518	0.531	0.418	0.486	9.14

50)	I	Chlorobenzene-d5	----------ISTD----------							
51)	MP	Chlorobenzene	1.034	1.044	1.096	1.060	1.068	1.153	1.076	4.03
52)	T	1,1,1,2-Tetrachloro	0.350	0.411	0.398	0.425	0.435	0.348	0.395	9.53
53)	C	Ethylbenzene	1.393	1.736	1.694	1.761	1.802	1.439	1.637	10.73
54)	T	m,p-Xylene	0.570	0.637	0.665	0.630	0.637	0.528	0.611	8.39
55)	T	o-Xylene	0.493	0.639	0.652	0.634	0.632	0.407	0.576	17.65
56)	T	Styrene	1.168	1.144	1.179	1.142	1.143	1.158	1.156	1.34
57)	P	Bromoform	0.166	0.282	0.219	0.311	0.285	0.149	0.235	28.72
58)	T	Isopropylbenzene	1.123	1.605	1.513	1.656	1.720	1.676	1.549	14.24
59)	S	Bromofluorobenzene	0.548	0.572	0.569	0.575	0.588	0.569	0.570	2.28
60)	P	1,1,2,2-Tetrachloro	0.505	0.482	0.522	0.472	0.452	0.538	0.495	6.53
61)	T	Bromobenzene	0.407	0.451	0.468	0.459	0.462	0.428	0.446	5.26
62)	T	1,2,3-Trichloroprop	0.426	0.440	0.456	0.448	0.444	0.410	0.438	3.79
63)	T	n-Propylbenzene	1.433	1.795	1.726	1.832	1.897	1.567	1.708	10.29
64)	T	2-Chlorotoluene	1.003	1.240	1.226	1.267	1.300	0.986	1.170	11.84
65)	T	1,3,5-Trimethylbenz	1.108	1.381	1.355	1.404	1.439	1.033	1.287	13.32
66)	T	4-Chlorotoluene	1.236	1.476	1.487	1.497	1.535	1.750	1.497	10.94
67)	T	tert-Butylbenzene	0.727	1.030	0.931	1.051	1.088	0.890	0.953	14.04
68)	T	1,2,4-Trimethylbenz	1.171	1.483	1.456	1.516	1.558	1.001	1.364	16.46
69)	T	sec-Butylbenzene	1.227	1.443	1.336	1.482	1.522	1.248	1.376	9.01
70)	T	1,3-Dichlorobenzene	0.657	0.793	0.777	0.813	0.827	0.653	0.753	10.36
71)	T	4-Isopropyltoluene	1.015	1.297	1.209	1.336	1.373	0.882	1.185	16.54
72)	T	1,4-Dichlorobenzene	0.696	0.846	0.813	0.860	0.877	0.692	0.797	10.40
73)	T	n-Butylbenzene	0.366	0.542	0.474	0.549	0.560	0.552	0.507	14.98
74)	T	1,2-Dichlorobenzene	0.720	0.794	0.827	0.799	0.804	0.650	0.766	8.78
75)	T	1,2-Dibromo-3-chlor	0.060	0.100	0.076	0.106	0.108	0.094	0.091	20.72
76)	T	1,2,4-Trichlorobenz	0.194	0.379	0.268	0.400	0.409	0.360	0.335	25.54
77)	T	Hexachlorobutadiene	0.260	0.152	0.140	0.163	0.163	0.257	0.189	28.69
78)	T	Naphthalene	0.815	1.308	0.943	1.387	1.410	0.804	1.111	25.93
79)	T	1,2,3-Trichlorobenz	0.243	0.354	0.283	0.373	0.382	0.431	0.344	20.13
80)	T	1,1,2-Trichloro-1,2	0.102	0.203	0.174	0.199	0.188	0.149	0.169	22.69
81)	T	Methyl acetate	0.241	0.185	0.203	0.187	0.183	0.200	0.200	10.84
82)	T	Cyclohexane	0.380	0.344	0.352	0.359	0.344	0.515	0.382	17.35
83)	T	Methylcyclohexane	0.247	0.227	0.202	0.227	0.211	0.221	0.222	6.88

(#) = Out of Range

JAW0420.M Mon Apr 27 15:36:44 2009 MANAGER

Instrument ID: MSD_J
Method ID: JAW0420
Date: 04/20/09

Average %RSD = 11.10

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2084.D
Acq On : 28 Apr 2009 1:52 am
Sample : 100PPB,STD-100PPB,A,5ml,100
Misc :
MS Integration Params: LSCINT.P

Vial: 31
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Single Level 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	99	0.00
3	P	Chloromethane	0.776	0.652	16.0	85	0.01
4	C	Vinyl chloride	0.684	0.638	6.7	93	0.00
5	T	Bromomethane	0.495	0.472	4.6	101	0.01
6	T	Chloroethane	0.422	0.384	9.0	95	0.02
7	T	Trichlorofluoromethane	1.141	0.924	19.0	86	0.00
8	T	Acrolein	0.011	0.011	0.0	86	0.00
9	MC	1,1-Dichloroethene	0.622	0.585	5.9	97	0.00
10	T	Acetone	0.264	0.274	-3.8	109	0.00
11	T	Carbon disulfide	1.888	1.760	6.8	92	0.00
12	T	Vinyl acetate	1.972	1.496	24.1	78	0.01
13	T	Methylene chloride	0.716	0.648	9.5	97	0.00
14	T	Acrylonitrile	0.182	0.150	17.6	74	0.01
15	T	tert-Butyl alcohol (TBA)	0.086	0.094	-9.3	114	0.01
16	T	trans-1,2-Dichloroethene	0.614	0.607	1.1	96	0.00
17	T	Methyl tert-butyl ether (MT	2.119	2.123	-0.2	103	0.01
18	P	1,1-Dichloroethane	1.029	0.936	9.0	89	0.01
19	T	Diisopropyl ether (DIPE)	1.721	1.461	15.1	86	0.00
20	T	cis-1,2-Dichloroethene	0.652	0.599	8.1	93	0.00
22	T	2-Butanone (MEK)	0.329	0.318	3.3	102	0.01
23	T	Bromochloromethane	0.416	0.383	7.9	93	0.00
24	T	Tetrahydrofuran	0.165	0.119	27.9	69	0.00
25	C	Chloroform	1.321	1.283	2.9	96	0.00
26	T	1,1,1-Trichloroethane	1.024	1.105	-7.9	103	0.01
27	T	Carbon tetrachloride	1.006	1.035	-2.9	98	0.00
28	T	1,1-Dichloropropene	0.866	0.825	4.7	94	0.00
29	T	1,2-Dichloroethane (EDC)	1.290	1.278	0.9	101	0.00
30	S	1,2-Dichloroethane-d4	0.679	0.929	-33.8	142	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	112	0.00
32	M	Benzene	1.506	1.281	14.9	93	0.00
33	M	Trichloroethene	0.436	0.400	8.3	100	0.00
34	C	1,2-Dichloropropane	0.413	0.336	18.6	89	0.00
35	T	Dibromomethane	0.316	0.271	14.2	96	0.00
37	T	Bromodichloromethane	0.700	0.533	23.9	89	0.00
38	T	2-Chloroethyl vinyl ether	0.192	0.132	31.3	70	0.00
39	T	cis-1,3-Dichloropropene	0.690	0.512	25.8	78	0.01
40	T	4-Methyl-2-pentanone (MIBK)	0.474	0.448	5.5	101	0.00
41	S	Toluene-d8	1.118	1.415	-26.6	139	0.00
42	MC	Toluene	1.061	0.887	16.4	92	0.01
43	T	trans-1,3-Dichloropropene	0.804	0.533	33.7	79	0.00
44	T	1,1,2-Trichloroethane	0.364	0.295	19.0	91	0.00
45	T	Tetrachloroethene	0.429	0.357	16.8	94	0.00
46	T	1,3-Dichloropropane	0.725	0.634	12.6	94	0.00
47	T	2-Hexanone	0.361	0.368	-1.9	102	0.00

48	T	Dibromochloromethane	0.584	0.460	21.2	87	0.00
49	T	1,2-Dibromoethane (EDB)	0.486	0.437	10.1	96	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00
51	MP	Chlorobenzene	1.076	0.856	20.4	95	0.01
52	T	1,1,1,2-Tetrachloroethane	0.395	0.337	14.7	95	0.00
53	C	Ethylbenzene	1.637	1.405	14.2	94	0.00
54	T	m,p-Xylene	0.611	0.526	13.9	96	0.00
55	T	o-Xylene	0.576	0.525	8.9	96	0.00
56	T	Styrene	1.156	0.947	18.1	96	0.00
57	P	Bromoform	0.235	0.197	16.2	81	0.00
58	T	Isopropylbenzene	1.549	1.319	14.8	95	0.00
59	S	Bromofluorobenzene	0.570	0.609	-6.8	124	0.01
60	P	1,1,2,2-Tetrachloroethane	0.495	0.398	19.6	96	-0.01
61	T	Bromobenzene	0.446	0.381	14.6	98	0.00
62	T	1,2,3-Trichloropropane	0.438	0.393	10.3	104	0.00
63	T	n-Propylbenzene	1.708	1.478	13.5	96	-0.01
64	T	2-Chlorotoluene	1.170	1.042	10.9	98	0.00
65	T	1,3,5-Trimethylbenzene	1.287	1.157	10.1	97	0.00
66	T	4-Chlorotoluene	1.497	1.241	17.1	98	0.00
67	T	tert-Butylbenzene	0.953	0.857	10.1	97	0.00
68	T	1,2,4-Trimethylbenzene	1.364	1.241	9.0	97	0.00
69	T	sec-Butylbenzene	1.376	1.166	15.3	94	0.00
70	T	1,3-Dichlorobenzene	0.753	0.671	10.9	98	0.00
71	T	4-Isopropyltoluene	1.185	1.066	10.0	96	-0.01
72	T	1,4-Dichlorobenzene	0.797	0.714	10.4	98	0.00
73	T	n-Butylbenzene	0.507	0.426	16.0	91	0.00
74	T	1,2-Dichlorobenzene	0.766	0.681	11.1	100	0.00
75	T	1,2-Dibromo-3-chloropropane	0.091	0.093	-2.2	108	0.00
76	T	1,2,4-Trichlorobenzene	0.335	0.323	3.6	99	0.00
77	T	Hexachlorobutadiene	0.189	0.125	33.9	95	0.00
78	T	Naphthalene	1.111	1.268	-14.1	113	0.00
79	T	1,2,3-Trichlorobenzene	0.344	0.326	5.2	107	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.169	0.120	29.0	69	0.00
81	T	Methyl acetate	0.200	0.168	16.0	105	0.00
82	T	Cyclohexane	0.382	0.255	33.2	86	0.00
83	T	Methylcyclohexane	0.222	0.160	27.9	82	0.00

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

J2411.D JAW0420.M Tue Apr 28 14:40:39 2009 MANAGER

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\04-30-09\J2187.D Vial: 4
Acq On : 30 Apr 2009 11:42 am Operator: BINXU
Sample : 100PPB,STD-100PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Single Level 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	121	0.00
2	T	Dichlorodifluoromethane	0.737	0.480	34.9	79	0.00
3	P	Chloromethane	0.776	0.554	28.6	88	0.00
4	C	Vinyl chloride	0.684	0.663	3.1	118	0.00
5	T	Bromomethane	0.495	0.474	4.2	123	0.01
6	T	Chloroethane	0.422	0.364	13.7	110	0.00
7	T	Trichlorofluoromethane	1.141	1.160	-1.7	132	0.00
8	T	Acrolein	0.011	0.012	-9.1	107	0.00
9	MC	1,1-Dichloroethene	0.622	0.587	5.6	118	0.00
10	T	Acetone	0.264	0.213	19.3	103	0.00
11	T	Carbon disulfide	1.888	1.736	8.1	111	0.00
12	T	Vinyl acetate	1.972	1.690	14.3	107	0.00
13	T	Methylene chloride	0.716	0.620	13.4	113	0.00
14	T	Acrylonitrile	0.182	0.148	18.7	89	0.00
15	T	tert-Butyl alcohol (TBA)	0.086	0.068	20.9	101	-0.01
16	T	trans-1,2-Dichloroethene	0.614	0.607	1.1	117	0.00
17	T	Methyl tert-butyl ether (MT	2.119	1.950	8.0	115	0.00
18	P	1,1-Dichloroethane	1.029	0.994	3.4	115	0.01
19	T	Diisopropyl ether (DIPE)	1.721	1.442	16.2	103	0.00
20	T	cis-1,2-Dichloroethene	0.652	0.599	8.1	114	0.00
21	T	2,2-Dichloropropane	0.524	0.589	-12.4	135	0.00
22	T	2-Butanone (MEK)	0.329	0.251	23.7	98	0.00
23	T	Bromochloromethane	0.416	0.329	20.9	97	0.00
25	C	Chloroform	1.321	1.207	8.6	110	0.00
26	T	1,1,1-Trichloroethane	1.024	1.105	-7.9	125	0.00
27	T	Carbon tetrachloride	1.006	1.139	-13.2	132	0.00
28	T	1,1-Dichloropropene	0.866	0.775	10.5	108	0.00
29	T	1,2-Dichloroethane (EDC)	1.290	1.238	4.0	119	0.00
30	S	1,2-Dichloroethane-d4	0.679	0.738	-8.7	137	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
32	M	Benzene	1.506	1.354	10.1	96	0.00
33	M	Trichloroethene	0.436	0.443	-1.6	107	0.00
34	C	1,2-Dichloropropane	0.413	0.360	12.8	93	0.00
35	T	Dibromomethane	0.316	0.302	4.4	105	0.00
37	T	Bromodichloromethane	0.700	0.669	4.4	110	-0.01
38	T	2-Chloroethyl vinyl ether	0.192	0.151	21.4	78	0.00
39	T	cis-1,3-Dichloropropene	0.690	0.668	3.2	100	0.00
40	T	4-Methyl-2-pentanone (MIBK)	0.474	0.399	15.8	88	0.00
41	S	Toluene-d8	1.118	1.176	-5.2	113	0.00
42	MC	Toluene	1.061	0.996	6.1	101	0.00
43	T	trans-1,3-Dichloropropene	0.804	0.736	8.5	106	0.00
44	T	1,1,2-Trichloroethane	0.364	0.314	13.7	95	0.00
45	T	Tetrachloroethene	0.429	0.433	-0.9	111	0.00
46	T	1,3-Dichloropropane	0.725	0.674	7.0	98	0.00

47	T	2-Hexanone	0.361	0.314	13.0	85	0.00
48	T	Dibromochloromethane	0.584	0.614	-5.1	113	0.00
49	T	1,2-Dibromoethane (EDB)	0.486	0.473	2.7	101	-0.01
50	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
51	MP	Chlorobenzene	1.076	1.071	0.5	104	0.00
52	T	1,1,1,2-Tetrachloroethane	0.395	0.463	-17.2	115	0.00
53	C	Ethylbenzene	1.637	1.827	-11.6	107	0.00
54	T	m,p-Xylene	0.611	0.670	-9.7	107	0.00
55	T	o-Xylene	0.576	0.662	-14.9	105	-0.01
56	T	Styrene	1.156	1.198	-3.6	107	0.00
57	P	Bromoform	0.235	0.311	-32.3	112	0.00
58	T	Isopropylbenzene	1.549	1.752	-13.1	111	0.00
59	S	Bromofluorobenzene	0.570	0.608	-6.7	108	0.00
60	P	1,1,2,2-Tetrachloroethane	0.495	0.450	9.1	95	-0.01
61	T	Bromobenzene	0.446	0.493	-10.5	111	0.00
62	T	1,2,3-Trichloropropane	0.438	0.453	-3.4	105	-0.01
63	T	n-Propylbenzene	1.708	1.918	-12.3	109	-0.01
64	T	2-Chlorotoluene	1.170	1.361	-16.3	112	0.00
65	T	1,3,5-Trimethylbenzene	1.287	1.543	-19.9	114	0.00
66	T	4-Chlorotoluene	1.497	1.644	-9.8	113	0.00
67	T	tert-Butylbenzene	0.953	1.125	-18.0	111	0.00
68	T	1,2,4-Trimethylbenzene	1.364	1.644	-20.5	113	0.00
69	T	sec-Butylbenzene	1.376	1.539	-11.8	109	0.00
70	T	1,3-Dichlorobenzene	0.753	0.858	-13.9	110	0.00
71	T	4-Isopropyltoluene	1.185	1.436	-21.2	113	-0.01
72	T	1,4-Dichlorobenzene	0.797	0.903	-13.3	109	0.00
73	T	n-Butylbenzene	0.507	0.568	-12.0	107	0.00
74	T	1,2-Dichlorobenzene	0.766	0.858	-12.0	110	0.00
75	T	1,2-Dibromo-3-chloropropane	0.091	0.105	-15.4	107	0.00
76	T	1,2,4-Trichlorobenzene	0.335	0.372	-11.0	100	0.00
77	T	Hexachlorobutadiene	0.189	0.172	9.0	115	-0.01
78	T	Naphthalene	1.111	1.245	-12.1	97	0.00
79	T	1,2,3-Trichlorobenzene	0.344	0.346	-0.6	99	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.169	0.152	10.1	76	0.00
81	T	Methyl acetate	0.200	0.185	7.5	102	0.00
82	T	Cyclohexane	0.382	0.324	15.2	96	0.00
83	T	Methylcyclohexane	0.222	0.226	-1.8	101	0.00

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

J2411.D JAW0420.M Fri May 01 11:29:58 2009 MANAGER

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 04/28/2009

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	J2086.D	116	95	86
03933-001	AQUEOUS	J2087.D	144	98	95
BLK-SPK	AQUEOUS	J2088.D	101	102	98
03980-001	AQUEOUS	J2089.D	111	94	80
03980-002	AQUEOUS	J2090.D	117	95	82
WATER-MS	AQUEOUS	J2093.D	110	95	89
WATER-MSD	AQUEOUS	J2094.D	116	95	89
03980-004	AQUEOUS	J2095.D	118	96	88
03980-005	AQUEOUS	J2096.D	122	96	89
03980-006	AQUEOUS	J2097.D	126	96	90
03980-007	AQUEOUS	J2098.D	124	98	88
03980-008	AQUEOUS	J2099.D	125	96	87
03980-009	AQUEOUS	J2100.D	125	97	88
03980-010	AQUEOUS	J2101.D	124	98	87
04103-004	AQUEOUS	J2102.D	127	97	85
04103-005	AQUEOUS	J2103.D	128	96	83
04103-006	AQUEOUS	J2104.D	126	97	85
03980-011	AQUEOUS	J2105.D	130	97	85

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	73-200	39-183
SMC2 = Toluene-d8	50 ppb	92-108	58-143
SMC3 = Bromofluorobenzene	50 ppb	77-107	50-152

Column to be used to flag recovery values

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 04/30/2009

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	J2189.D	129	97	84
03975-001	AQUEOUS	J2190.D	131	97	84
03975-002	AQUEOUS	J2191.D	126	97	87
03975-003	AQUEOUS	J2192.D	131	96	88
BLK-SPK	AQUEOUS	J2193.D	113	105	104
03975-004	AQUEOUS	J2194.D	122	95	84
03975-005	AQUEOUS	J2195.D	126	97	81
03975-006	AQUEOUS	J2196.D	129	94	81
03975-007	AQUEOUS	J2197.D	136	97	84
03975-008	AQUEOUS	J2198.D	130	97	88
MS	AQUEOUS	J2199.D	136	95	86
MSD	AQUEOUS	J2200.D	141	97	88
03980-003	AQUEOUS	J2201.D	137	97	87
04201-001	AQUEOUS	J2202.D	143	98	84
04201-002	AQUEOUS	J2203.D	135	96	84
04201-003	AQUEOUS	J2204.D	147	97	84
04201-004	AQUEOUS	J2205.D	143	96	80

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	73-200	39-183
SMC2 = Toluene-d8	50 ppb	92-108	58-143
SMC3 = Bromofluorobenzene	50 ppb	77-107	50-152

Column to be used to flag recovery values

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: WATER-MSD

Batch No.: JAW0427P

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	34.4	69	34 - 149
Benzene	50.0	0.0	35.6	71	45 - 136
Trichloroethene	50.0	0.0	36.4	73	40 - 147
Toluene	50.0	0.0	35.2	70	43 - 137
Chlorobenzene	50.0	0.0	38.5	77	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	33.1	66	4	19	34 - 149
Benzene	0.0	37.1	74	4	15	45 - 136
Trichloroethene	0.0	37.2	74	1	18	40 - 147
Toluene	0.0	36.2	72	3	16	43 - 137
Chlorobenzene	0.0	39.7	79	3	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): J1921.D

Date Analyzed: 04/20/2009

Instrument ID: MSD_J

Time Analyzed: 3:58

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	284018	6.17	467648	6.99	609950	10.33
	UPPER LIMIT	568036	6.67	935296	7.49	1219900	10.83
	LOWER LIMIT	142009	5.67	233824	6.49	304975	9.83
	LAB SAMPLE ID						
01	STD-20PPB	248220	6.17	433803	6.99	554387	10.33
02	STD-1PPB	271039	6.17	455653	6.99	565406	10.33
03	STD-5PPB	242600	6.17	417701	6.99	526179	10.33
04	STD-200PPB	290887	6.17	476462	6.99	622359	10.33
05	STD-150PPB	309351	6.17	501095	6.99	640411	10.33
06							
07							
08							
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11							
12							
13							
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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): J2084.D

Date Analyzed: 04/28/2009

Instrument ID: MSD_J

Time Analyzed: 1:52

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	281501	6.17	523616	6.99	708673	10.33
	UPPER LIMIT	563002	6.67	1047232	7.49	1417346	10.83
	LOWER LIMIT	140750.5	5.67	261808	6.49	354336.5	9.83
	LAB SAMPLE ID						
01	METHOD-BLK	352140	6.18	536189	7.00	609739	10.33
02	03933-001	197459	6.18	390306	7.00	469640	10.33
03	BLK-SPK	408944	6.18	618784	7.00	713287	10.33
04	03980-001	383261	6.17	579450	7.00	634855	10.33
05	03980-002	368415	6.18	561639	7.00	637980	10.33
06	WATER-MS	391980	6.17	611450	6.99	697210	10.33
07	WATER-MSD	366961	6.17	573979	6.99	664690	10.33
08	03980-004	358261	6.17	551479	7.00	649585	10.33
09	03980-005	341678	6.18	530594	7.00	633317	10.33
10	03980-006	321797	6.17	512544	7.00	620935	10.33
11	03980-007	319244	6.18	495509	7.00	602134	10.33
12	03980-008	322238	6.18	510452	7.00	587575	10.33
13	03980-009	322627	6.17	501646	7.00	584402	10.33
14	03980-010	325237	6.18	508805	7.00	603582	10.33
15	04103-004	311658	6.18	501694	7.00	591180	10.33
16	04103-005	301366	6.18	489342	7.00	579851	10.33
17	04103-006	272077	6.18	439834	7.00	516729	10.33
18	03980-011	269876	6.18	435771	7.00	508822	10.33
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): J2187.D

Date Analyzed: 04/30/2009

Instrument ID: MSD_J

Time Analyzed: 11:42

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	342894	6.17	510434	6.99	620628	10.33
	UPPER LIMIT	685788	6.67	1020868	7.49	1241256	10.83
	LOWER LIMIT	171447	5.67	255217	6.49	310314	9.83
	LAB SAMPLE ID						
01	METHOD-BLK	282908	6.17	433435	6.99	501309	10.33
02	03975-001	286206	6.17	435937	6.99	510437	10.33
03	03975-002	285141	6.17	437501	6.99	516310	10.33
04	03975-003	280931	6.17	439938	6.99	508101	10.33
05	BLK-SPK	292271	6.17	438392	6.99	531769	10.33
06	03975-004	306009	6.17	460238	6.99	524377	10.33
07	03975-005	275771	6.17	420024	6.99	497878	10.33
08	03975-006	253872	6.17	399148	6.99	462405	10.33
09	03975-007	198444	6.17	308504	6.99	362019	10.33
10	03975-008	256406	6.17	394528	6.99	469616	10.33
11	MS	211147	6.17	340804	6.99	394377	10.33
12	MSD	244852	6.17	397061	6.99	472029	10.33
13	03980-003	225820	6.17	346810	7.00	403959	10.33
14	04201-001	203597	6.17	317584	7.00	378980	10.33
15	04201-002	201360	6.17	312938	7.00	374785	10.33
16	04201-003	190614	6.17	301712	7.00	361496	10.33
17	04201-004	189237	6.17	294772	7.00	342501	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 File : C:\MSDCHEM\1\DATA\04-27-09\J2089.D Vial: 36
Acq On : 28 Apr 2009 4:15 am Operator: BINXU
Sample : PTW-2,03980-001,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/21/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 04:35:11 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

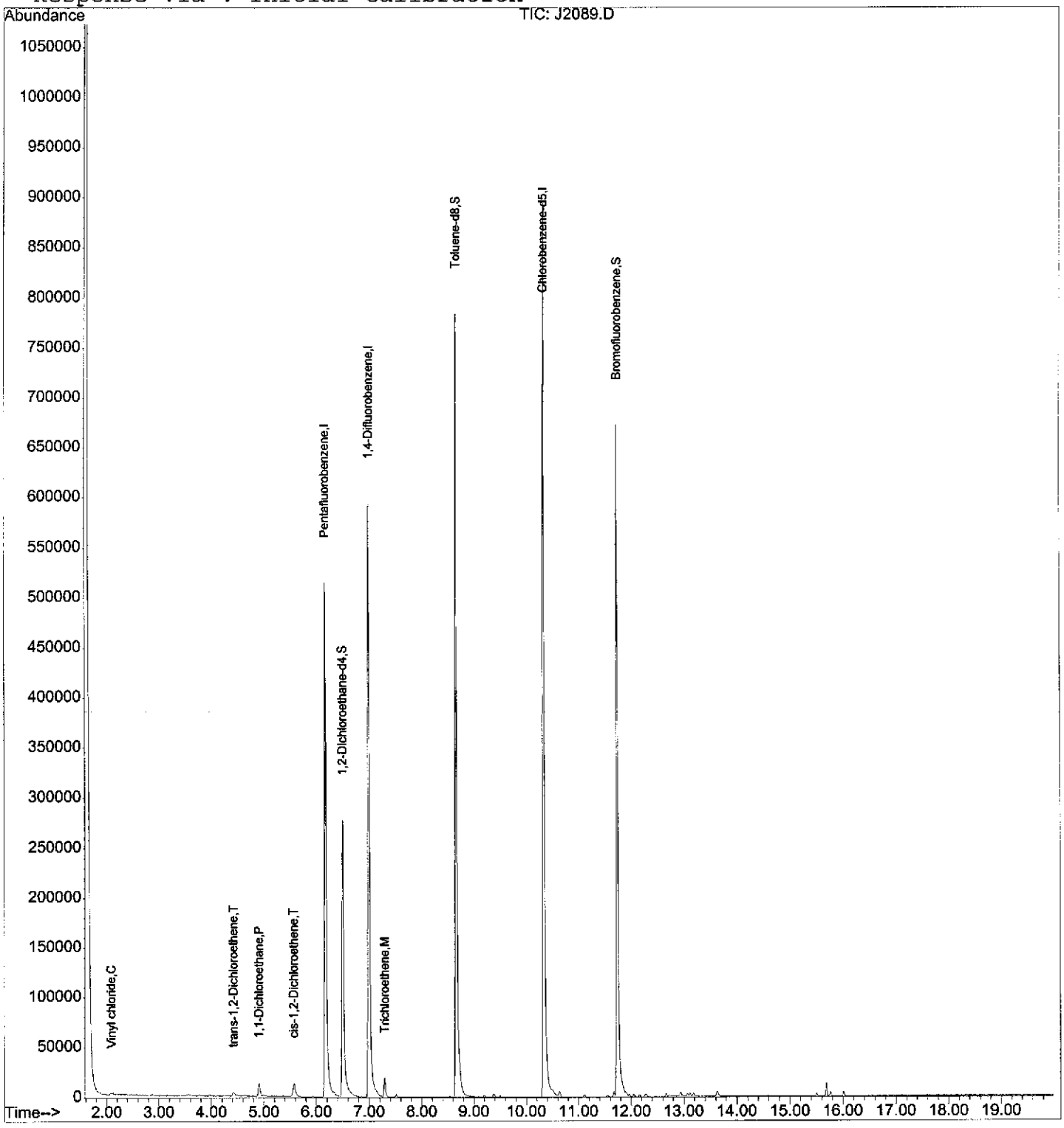
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.17	168	383261	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.00	114	579450	50.00	UG		0.01
50) Chlorobenzene-d5	10.33	117	634855	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.51	65	288555	55.48	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 110.96%				
41) Toluene-d8	8.66	98	609624	47.05	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.10%				
59) Bromofluorobenzene	11.74	95	290418	40.11	UG		0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 80.22%				
Target Compounds							Qvalue
4) Vinyl chloride	2.09	62	4274m	0.82	UG		
16) trans-1,2-Dichloroethene	4.42	96	3375m	0.72	UG		
18) 1,1-Dichloroethane	4.91	63	14810	1.88	UG		99
20) cis-1,2-Dichloroethene	5.57	96	6542	1.31	UG	#	95
33) Trichloroethene	7.30	95	7765	1.54	UG	#	55

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2089.D Vial: 36
Acq On : 28 Apr 2009 4:15 am Operator: BINXU
Sample : PTW-2,03980-001,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/21/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 14:32 2009 Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2090.D Vial: 37
Acq On : 28 Apr 2009 4:43 am Operator: BINXU
Sample : MW-13R,03980-002,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/21/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 05:03:44 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

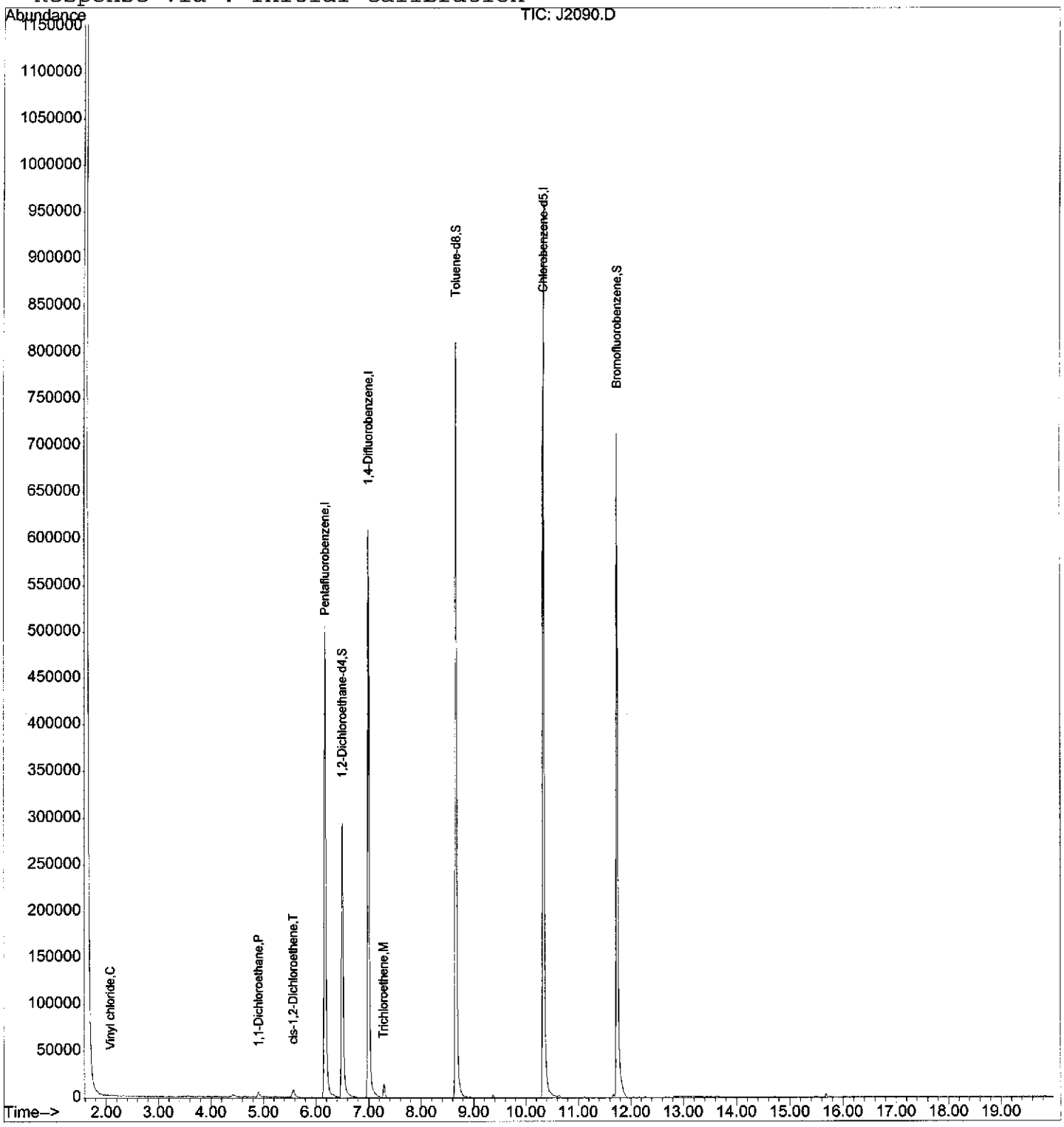
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.18	168	368415	50.00	UG		0.01
31) 1,4-Difluorobenzene	7.00	114	561639	50.00	UG		0.01
50) Chlorobenzene-d5	10.33	117	637980	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.51	65	291839	58.37	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 116.74%				
41) Toluene-d8	8.66	98	597943	47.61	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 95.22%				
59) Bromofluorobenzene	11.74	95	297917	40.95	UG		0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 81.90%				
Target Compounds							Qvalue
4) Vinyl chloride	2.08	62	2752m	0.55	UG		
18) 1,1-Dichloroethane	4.91	63	6003	0.79	UG		99
20) cis-1,2-Dichloroethene	5.57	96	4096	0.85	UG	#	99
33) Trichloroethene	7.29	95	5798	1.18	UG		91

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2090.D Vial: 37
Acq On : 28 Apr 2009 4:43 am Operator: BINXU
Sample : MW-13R,03980-002,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/21/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 14:33 2009 Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-30-09\J2201.D Vial: 16
Acq On : 30 Apr 2009 6:18 pm Operator: BINXU
Sample : MW-6S,03980-003,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELECTRONICS,4/21/09,4/22/0 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 30 18:38:18 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

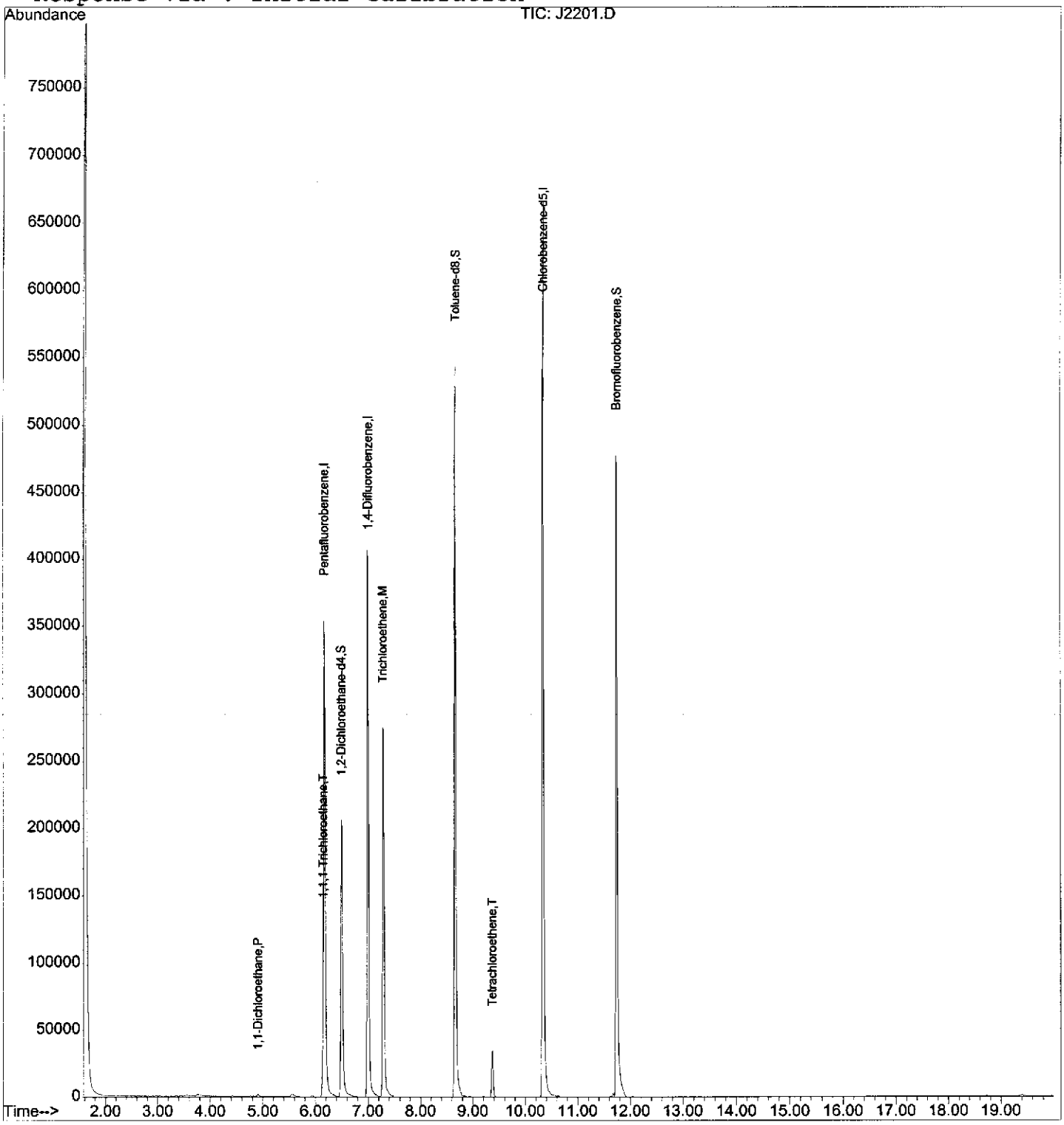
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	225820	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	346810	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	403959	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	210155	68.57	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 137.14%#			
41) Toluene-d8	8.66	98	376280	48.52	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 97.04%			
59) Bromofluorobenzene	11.74	95	199840	43.38	UG	0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 86.76%			
Target Compounds						Qvalue
18) 1,1-Dichloroethane	4.91	63	1775	0.38	UG	# 97
26) 1,1,1-Trichloroethane	6.15	97	29181	6.31	UG	# 100
33) Trichloroethene	7.29	95	102337	33.87	UG	91
45) Tetrachloroethene	9.37	166	10541	3.54	UG	# 98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-30-09\J2201.D Vial: 16
Acq On : 30 Apr 2009 6:18 pm Operator: BINXU
Sample : MW-6S,03980-003,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELECTRONICS,4/21/09,4/22/0 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 1 13:53 2009 Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2095.D Vial: 42
Acq On : 28 Apr 2009 7:05 am Operator: BINXU
Sample : GP-103R,03980-004,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/22/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 07:25:22 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

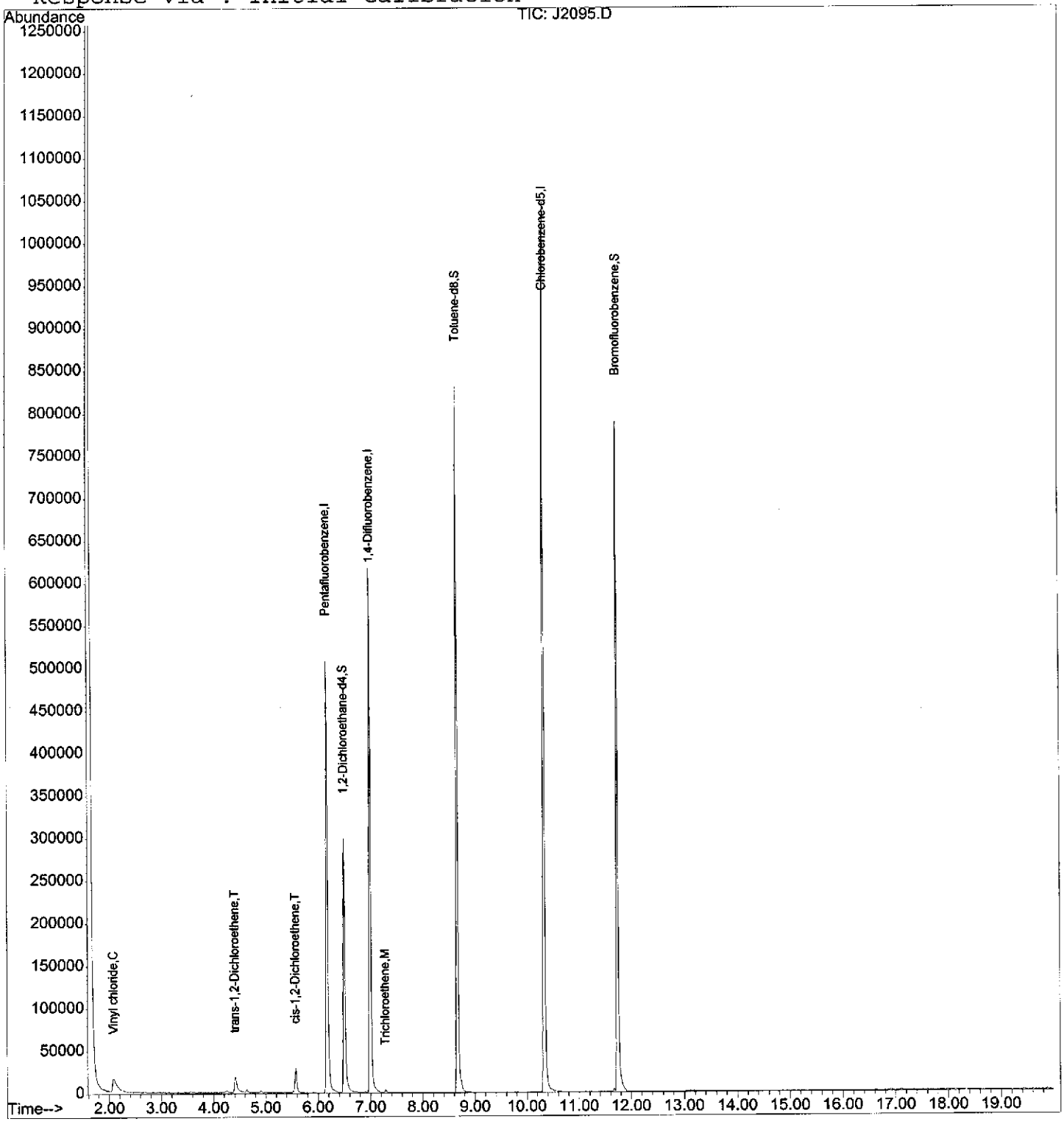
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.17	168	358261	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.00	114	551479	50.00	UG		0.01
50) Chlorobenzene-d5	10.33	117	649585	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	286325	58.89	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 117.78%				
41) Toluene-d8	8.66	98	591883	48.00	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 96.00%				
59) Bromofluorobenzene	11.74	95	327618	44.23	UG		0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 88.46%				
Target Compounds							Qvalue
4) Vinyl chloride	2.08	62	53512	10.93	UG		100
16) trans-1,2-Dichloroethene	4.41	96	7936m	1.80	UG		
20) cis-1,2-Dichloroethene	5.57	96	15020	3.22	UG	#	99
33) Trichloroethene	7.29	95	1551	0.32	UG		89

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2095.D Vial: 42
Acq On : 28 Apr 2009 7:05 am Operator: BINXU
Sample : GP-103R,03980-004,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/22/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 14:28 2009 Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2096.D Vial: 43
Acq On : 28 Apr 2009 7:33 am Operator: BINXU
Sample : GP-104R,03980-005,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/22/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 07:53:39 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

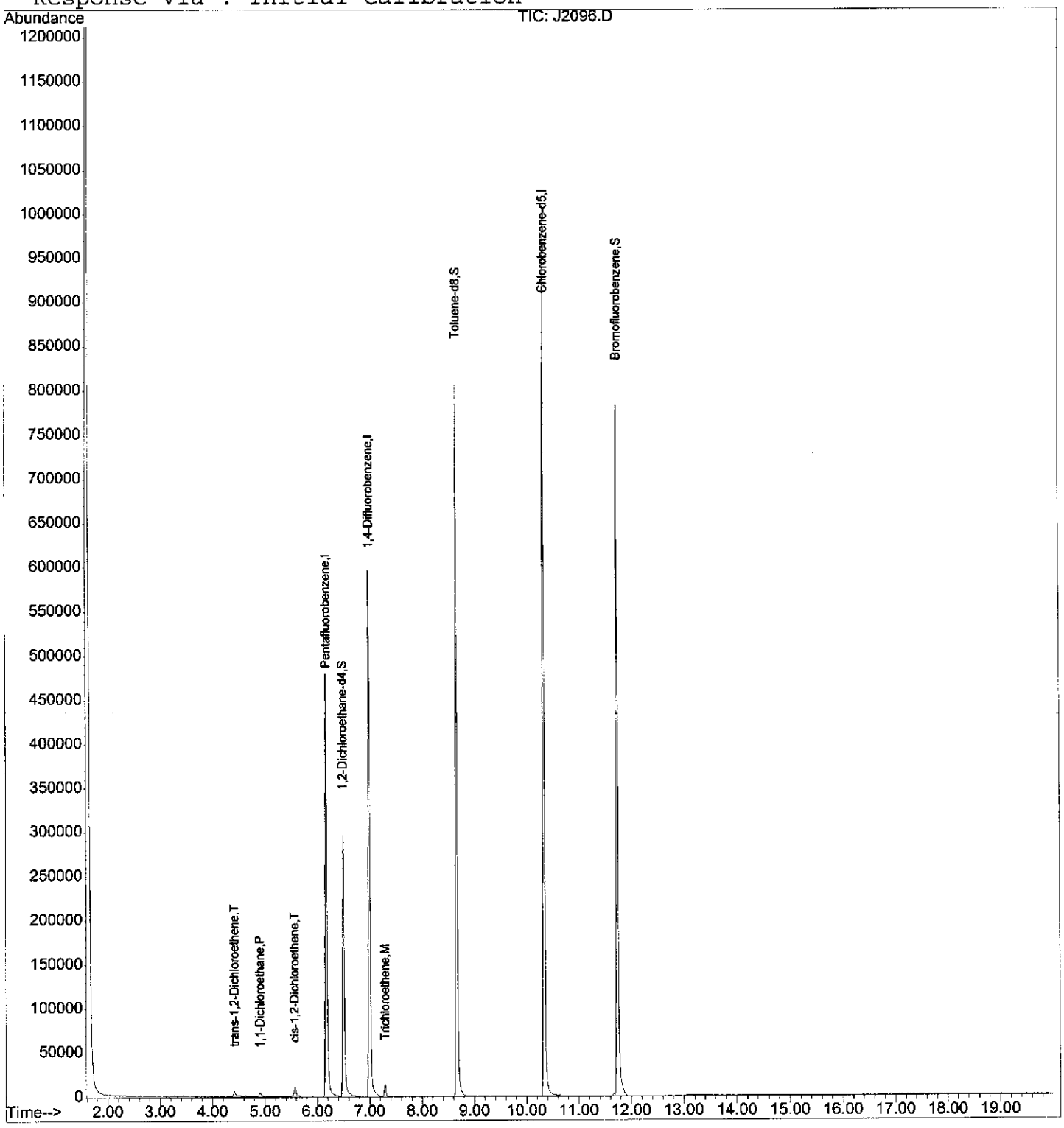
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	341678	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	530594	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	633317	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	283916	61.23	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 122.46%			
41) Toluene-d8	8.66	98	567824	47.86	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 95.72%			
59) Bromofluorobenzene	11.74	95	323126	44.74	UG	0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 89.48%			
Target Compounds						Qvalue
16) trans-1,2-Dichloroethene	4.42	96	3185	0.76	UG	# 100
18) 1,1-Dichloroethane	4.91	63	5545	0.79	UG	# 87
20) cis-1,2-Dichloroethene	5.57	96	5173	1.16	UG	# 70
33) Trichloroethene	7.30	95	5241	1.13	UG	89

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2096.D Vial: 43
Acq On : 28 Apr 2009 7:33 am Operator: BINXU
Sample : GP-104R,03980-005,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/22/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 14:28 2009 Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2097.D Vial: 44
Acq On : 28 Apr 2009 8:01 am Operator: BINXU
Sample : MW-9SR,03980-006,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/22/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 08:21:46 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

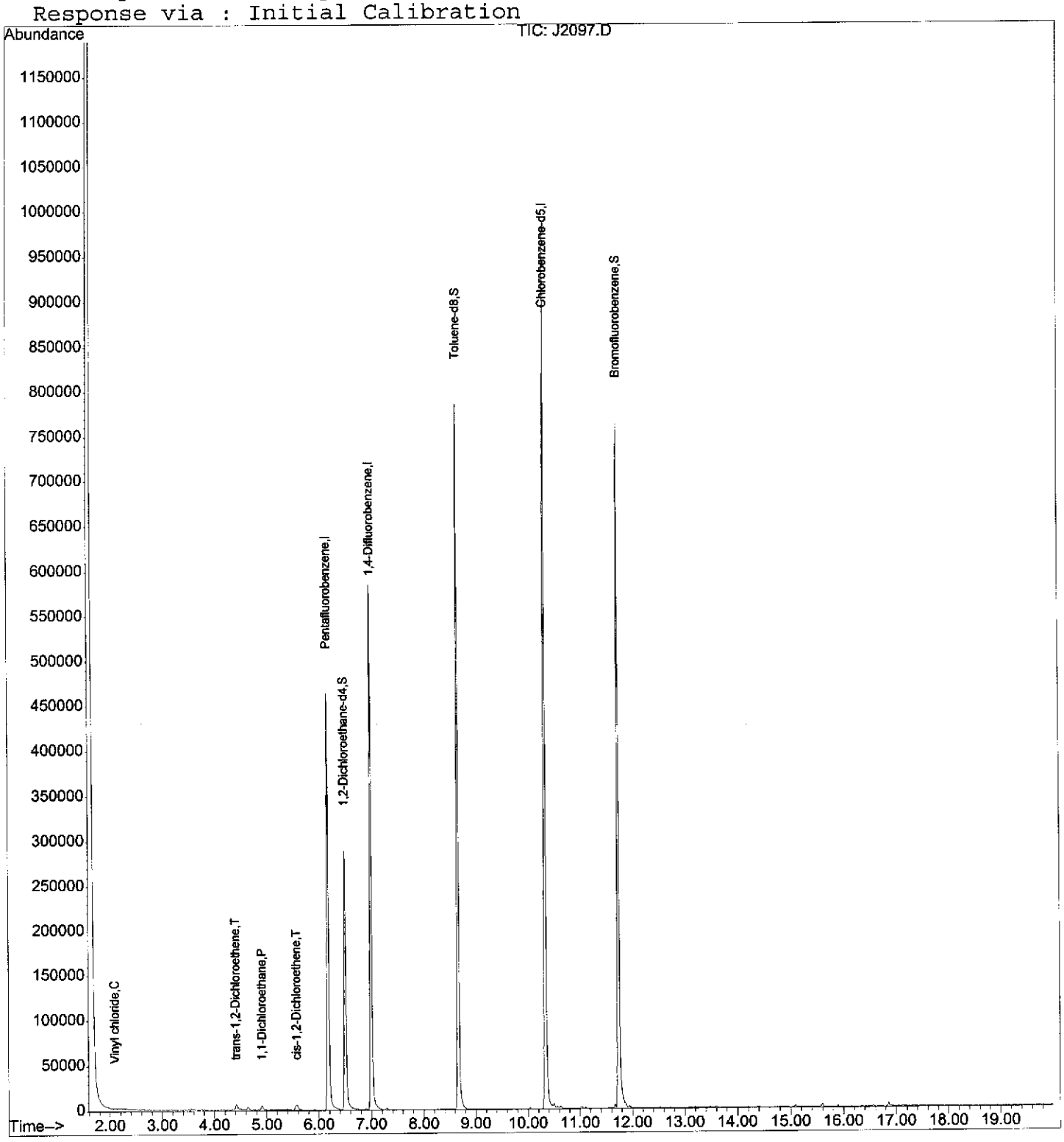
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.17	168	321797	50.00	UG		0.00
31) 1,4-Difluorobenzene	7.00	114	512544	50.00	UG		0.01
50) Chlorobenzene-d5	10.33	117	620935	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	275350	63.05	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 126.10%				
41) Toluene-d8	8.66	98	552948	48.25	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 96.50%				
59) Bromofluorobenzene	11.74	95	320288	45.23	UG		0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 90.46%				
Target Compounds							Qvalue
4) Vinyl chloride	2.09	62	3332m	0.76	UG		
16) trans-1,2-Dichloroethene	4.41	96	5172m	1.31	UG		
18) 1,1-Dichloroethane	4.91	63	5804	0.88	UG		99
20) cis-1,2-Dichloroethene	5.57	96	2758	0.66	UG	#	91

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2097.D Vial: 44
Acq On : 28 Apr 2009 8:01 am Operator: BINXU
Sample : MW-9SR,03980-006,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/22/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 14:29 2009 Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2098.D Vial: 45
Acq On : 28 Apr 2009 8:29 am Operator: BINXU
Sample : MW-9D,03980-007,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/22/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 08:49:49 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	319244	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	495509	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	602134	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	269515	62.21	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 124.42%			
41) Toluene-d8	8.66	98	543610	49.07	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 98.14%			
59) Bromofluorobenzene	11.74	95	303638	44.22	UG	0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 88.44%			

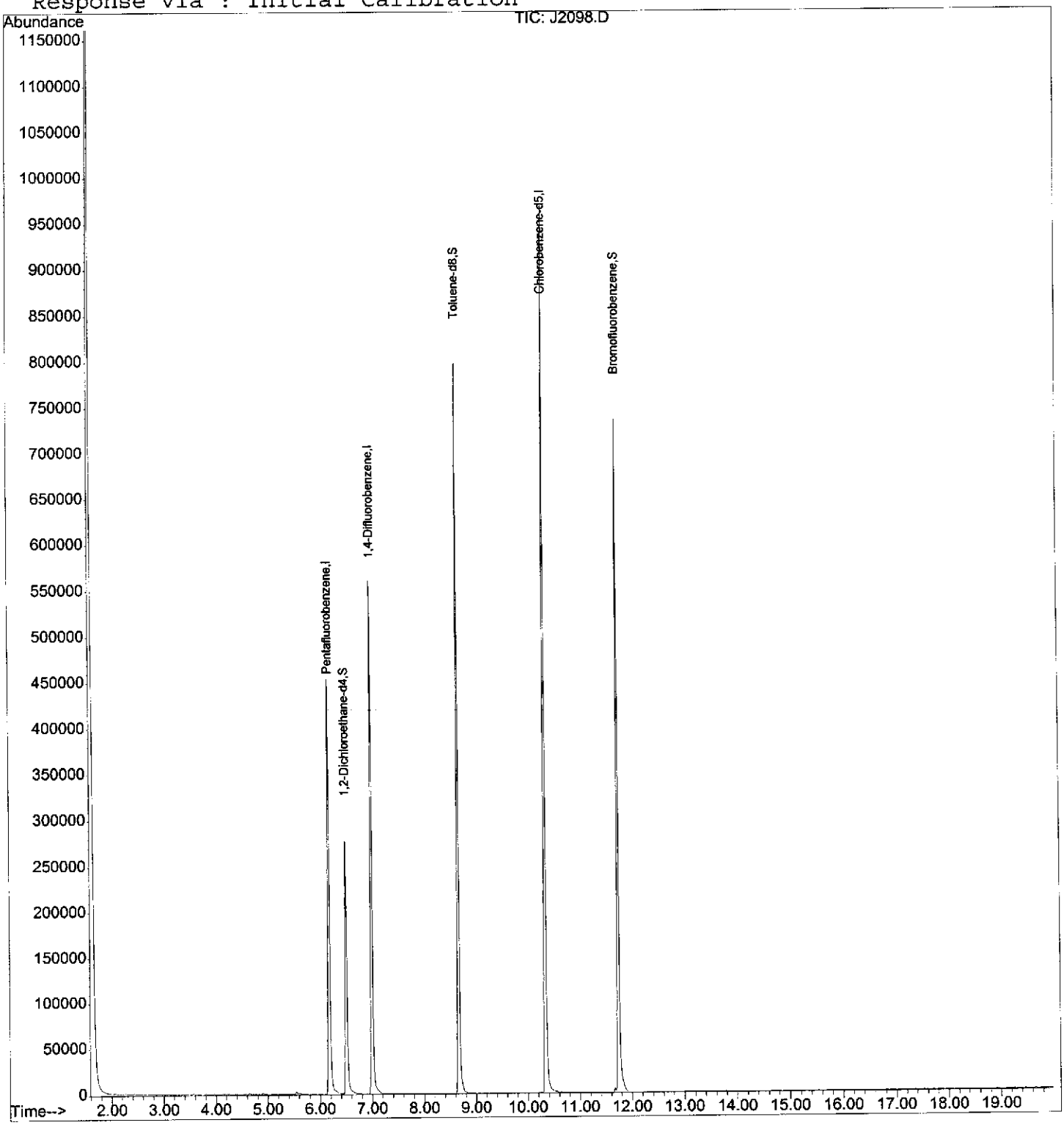
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2098.D Vial: 45
Acq On : 28 Apr 2009 8:29 am Operator: BINXU
Sample : MW-9D,03980-007,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/22/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 14:29 2009 Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2099.D Vial: 46
Acq On : 28 Apr 2009 8:58 am Operator: BINXU
Sample : DUP(042109),03980-008,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/21/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 09:18:23 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

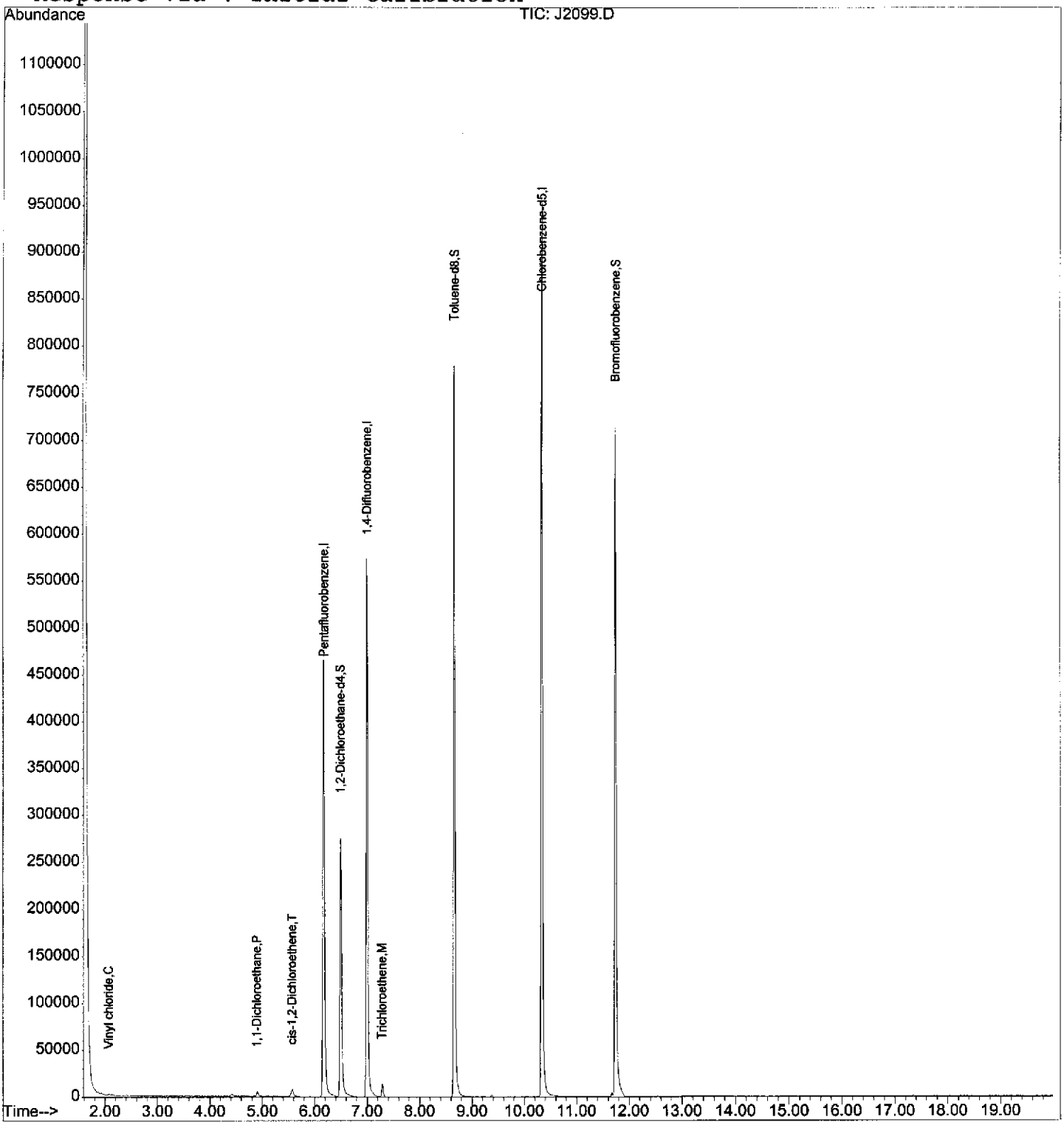
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.18	168	322238	50.00	UG		0.01
31) 1,4-Difluorobenzene	7.00	114	510452	50.00	UG		0.01
50) Chlorobenzene-d5	10.33	117	587575	50.00	UG		0.00
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.50	65	273740	62.59	UG		0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 125.18%				
41) Toluene-d8	8.66	98	547817	48.00	UG		0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 96.00%				
59) Bromofluorobenzene	11.74	95	291348	43.48	UG		0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 86.96%				
Target Compounds							Qvalue
4) Vinyl chloride	2.07	62	2392	0.54	UG	#	94
18) 1,1-Dichloroethane	4.90	63	5810	0.88	UG		100
20) cis-1,2-Dichloroethene	5.57	96	3749	0.89	UG	#	98
33) Trichloroethene	7.29	95	5362	1.21	UG	#	28

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2099.D Vial: 46
Acq On : 28 Apr 2009 8:58 am Operator: BINXU
Sample : DUP(042109),03980-008,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/21/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 14:30 2009 Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2100.D Vial: 47
Acq On : 28 Apr 2009 9:26 am Operator: BINXU
Sample : FB(042109),03980-009,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/21/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 09:46:39 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	322627	50.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	501646	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	584402	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	273996	62.58	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 125.16%			
41) Toluene-d8	8.66	98	545551	48.64	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 97.28%			
59) Bromofluorobenzene	11.74	95	292168	43.84	UG	0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 87.68%			

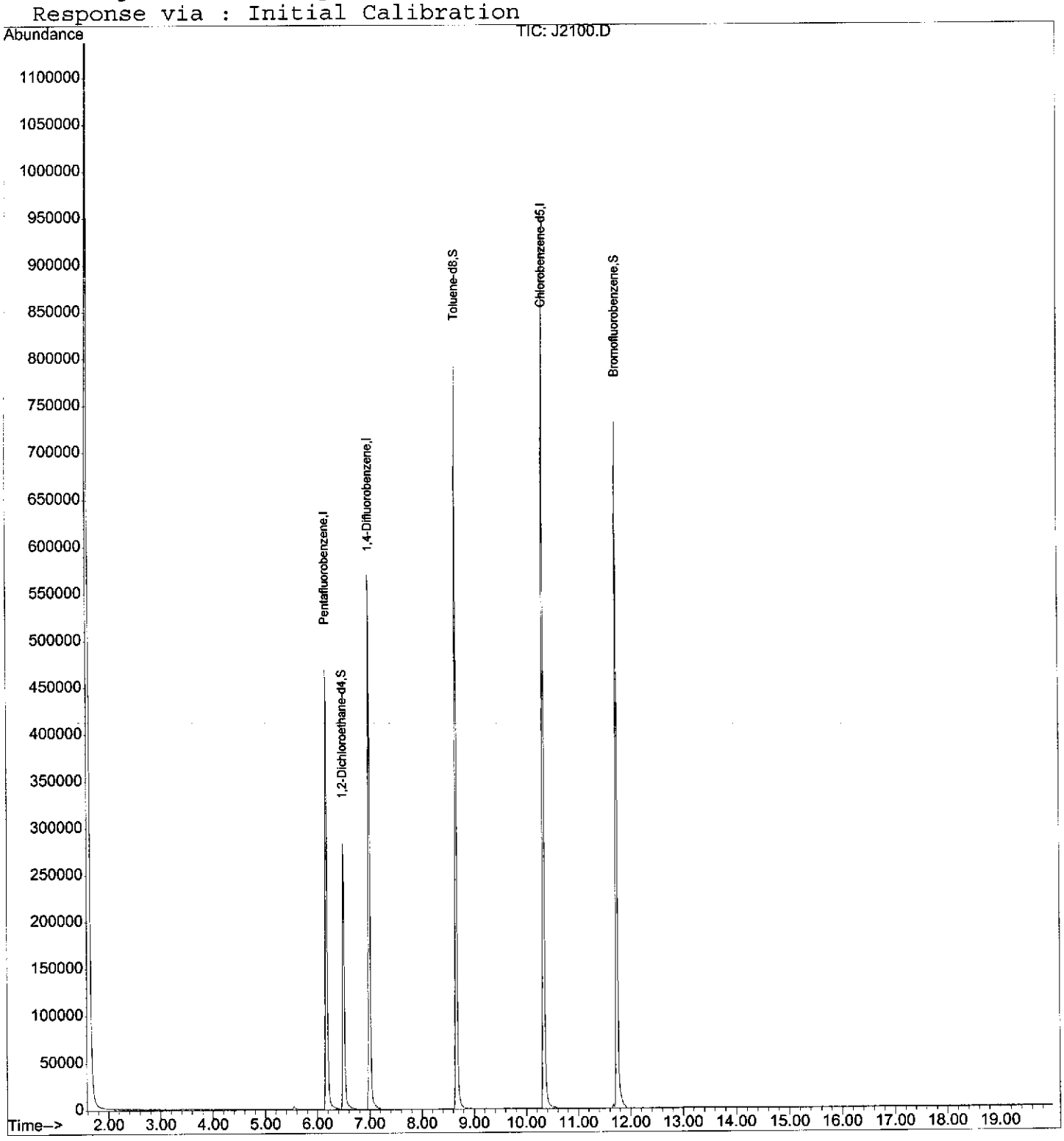
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2100.D Vial: 47
Acq On : 28 Apr 2009 9:26 am Operator: BINXU
Sample : FB(042109),03980-009,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/21/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 14:30 2009 Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2101.D Vial: 48
Acq On : 28 Apr 2009 9:55 am Operator: BINXU
Sample : FB(042209),03980-010,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/22/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 10:15:11 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	325237	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	508805	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	603582	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	273389	61.94	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 123.88%			
41) Toluene-d8	8.66	98	557475	49.00	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 98.00%			
59) Bromofluorobenzene	11.74	95	298859	43.42	UG	0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 86.84%			

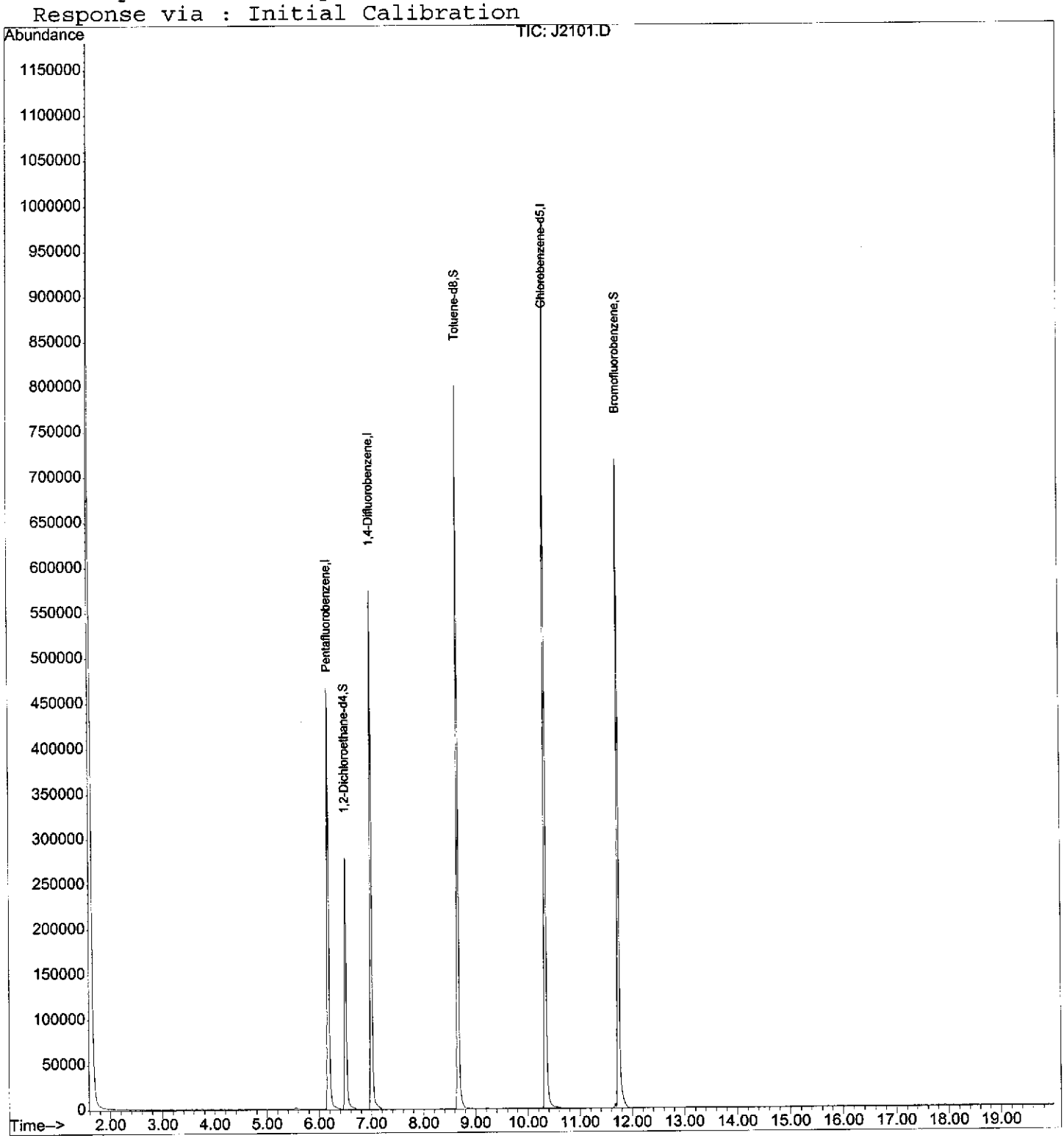
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2101.D Vial: 48
Acq On : 28 Apr 2009 9:55 am Operator: BINXU
Sample : FB(042209),03980-010,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/22/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 14:30 2009 Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2105.D Vial: 48
Acq On : 28 Apr 2009 11:48 am Operator: BINXU
Sample : TB(042209),03980-011,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/22/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 12:08:36 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	269876	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	435771	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	508822	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	238483	65.11	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 130.22%			
41) Toluene-d8	8.66	98	474373	48.69	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 97.38%			
59) Bromofluorobenzene	11.74	95	246831	42.54	UG	0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 85.08%			

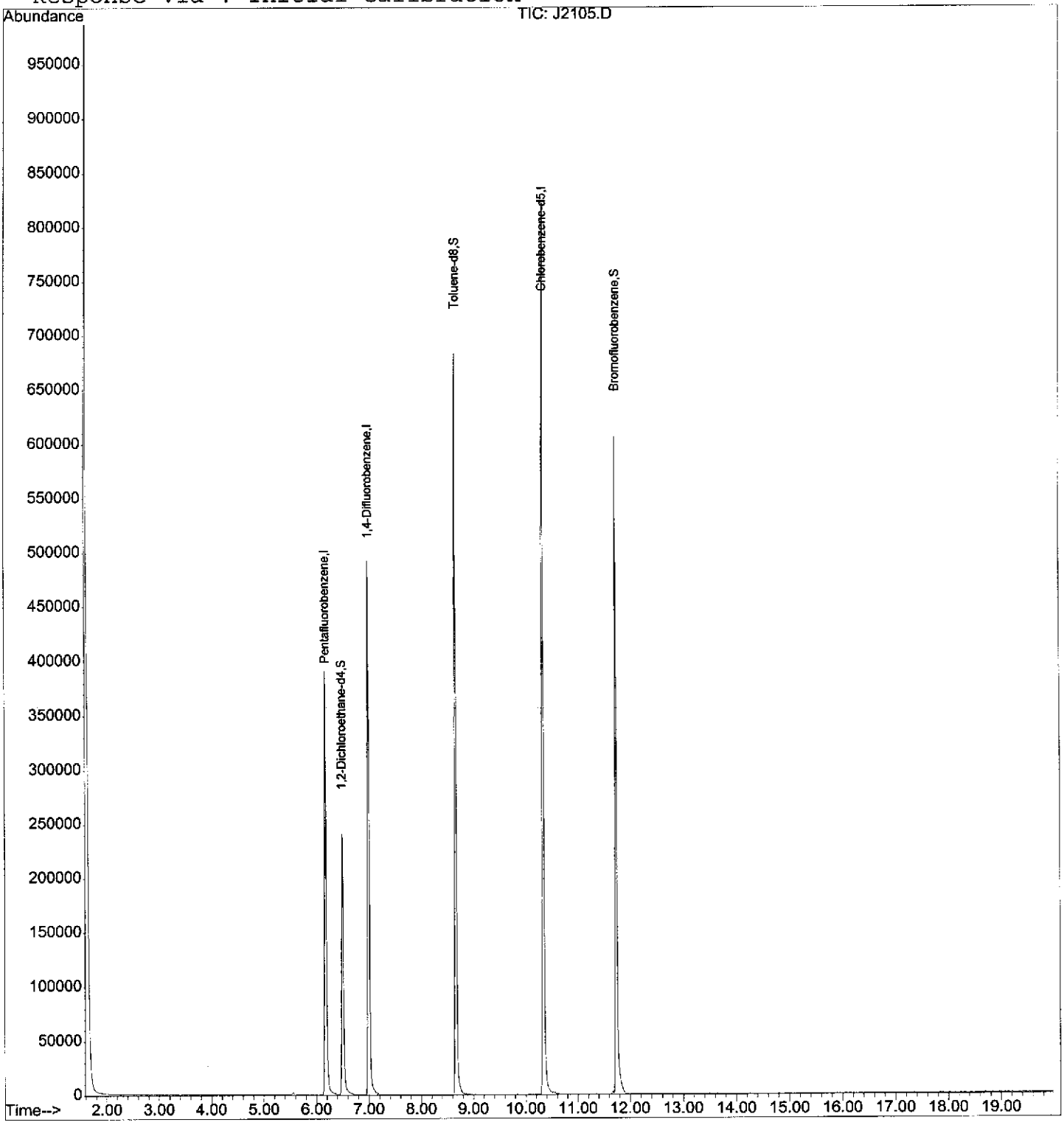
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2105.D Vial: 48
Acq On : 28 Apr 2009 11:48 am Operator: BINXU
Sample : TB(042209),03980-011,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,04/22/09,04/22/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 14:31 2009 Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2086.D Vial: 33
Acq On : 28 Apr 2009 2:49 am Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 28 03:09:29 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	352140	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	536189	50.00	UG	0.01
50) Chlorobenzene-d5	10.33	117	609739	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	276629	57.88	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 115.76%			
41) Toluene-d8	8.66	98	566772	47.27	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 94.54%			
59) Bromofluorobenzene	11.74	95	299772	43.11	UG	0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 86.22%			

Target Compounds Qvalue

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

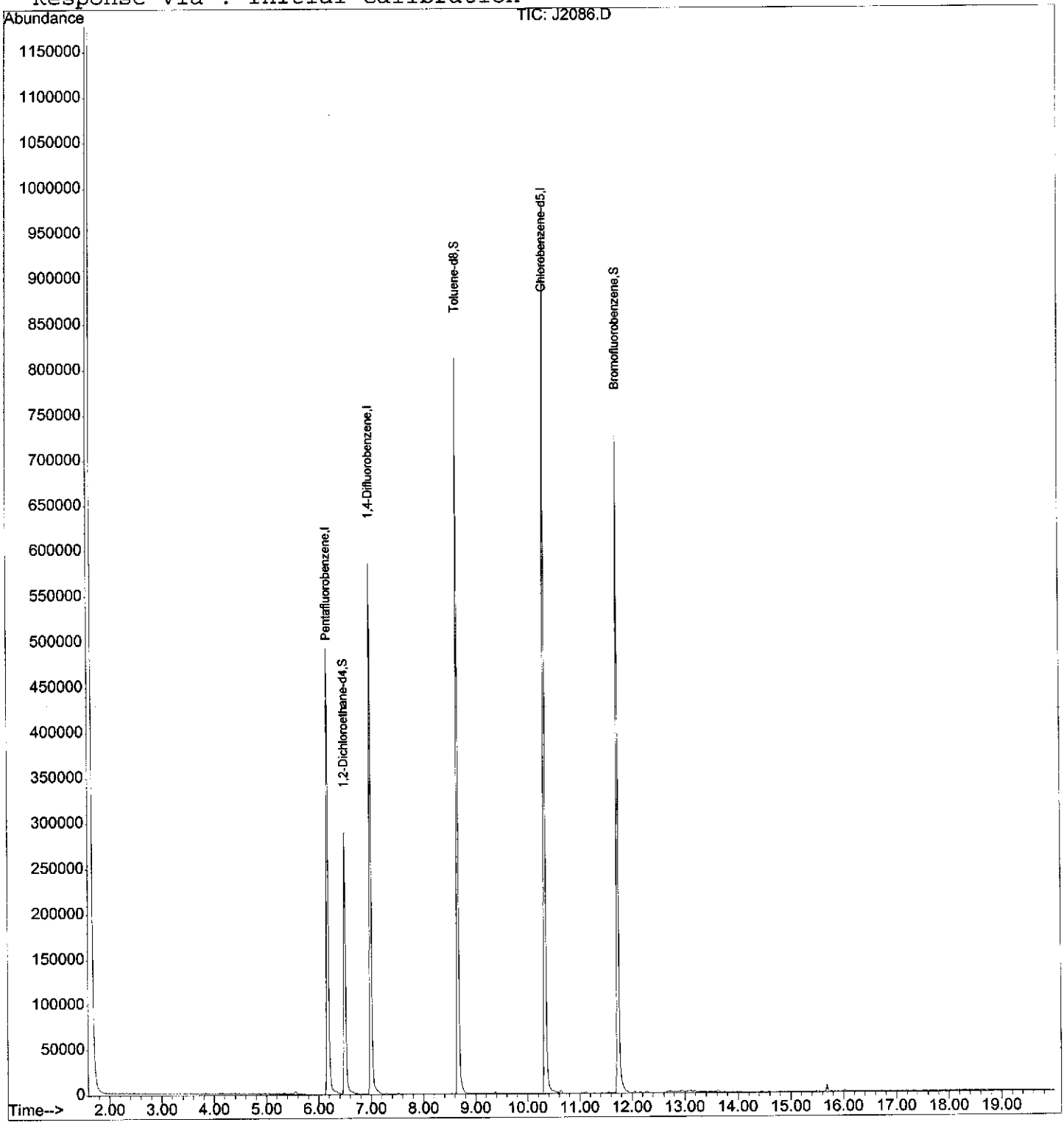
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-27-09\J2086.D
Acq On : 28 Apr 2009 2:49 am
Sample : NA,METHOD-BLK,A,5ml,100
Misc :
MS Integration Params: LSCINT.P
Quant Time: Apr 28 11:42 2009

Vial: 33
Operator: BINXU
Inst : MSD_J
Multiplr: 1.00

Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-30-09\J2189.D Vial: 4
Acq On : 30 Apr 2009 12:38 pm Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 30 12:59:01 2009 Quant Results File: JAW0420.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration
DataAcq Meth : JAW0420

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	282908	50.00	UG	0.00
31) 1,4-Difluorobenzene	6.99	114	433435	50.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	501309	50.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	247261	64.40	UG	0.00
Spiked Amount 50.000	Range 43 - 133		Recovery = 128.80%			
41) Toluene-d8	8.66	98	467970	48.29	UG	0.00
Spiked Amount 50.000	Range 39 - 137		Recovery = 96.58%			
59) Bromofluorobenzene	11.74	95	240420	42.05	UG	0.01
Spiked Amount 50.000	Range 23 - 145		Recovery = 84.10%			

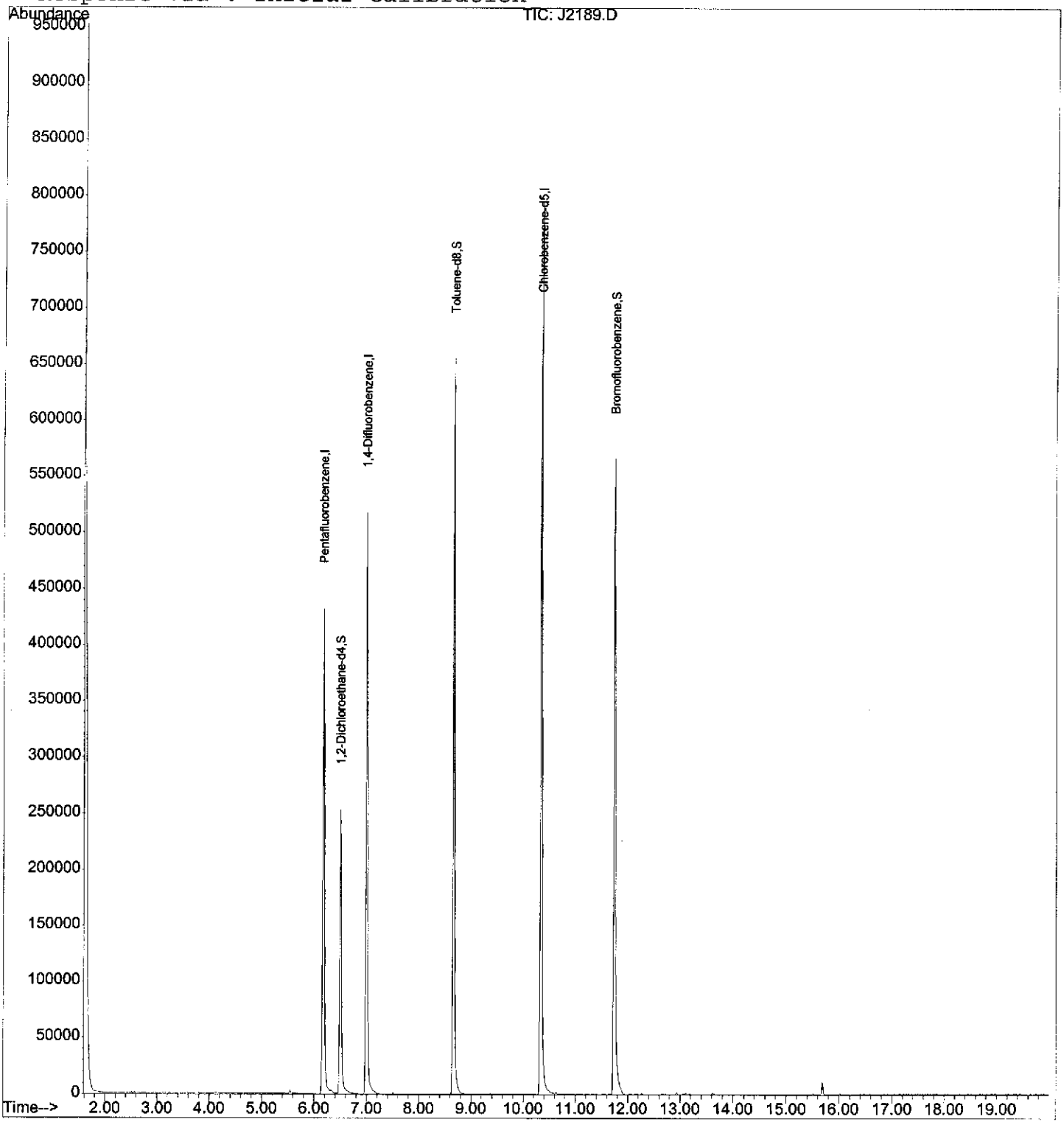
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-30-09\J2189.D Vial: 4
Acq On : 30 Apr 2009 12:38 pm Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: May 1 10:00 2009 Quant Results File: JAW0420.RES

Method : C:\MSDCHEM\1\METHODS\JAW0420.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Apr 27 15:36:41 2009
Response via : Initial Calibration



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

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

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
Project Manager:	E. Rodriguez
Sampler:	D. Kirschner, V. Myers
Project Name:	Kings Electronics
Project Location (State):	New York
Bottle Order #:	
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 #	NJ000423.0005.00006

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

ANALYTICAL PARAMETERS

VOCs 1,2 DCE

Cooler Temp 6 °C

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

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	VOCs 1,2 DCE	# BOTTLES & PRESERVATIVES HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
DTW-2		4/21/09	14:05	AQ	2	1	2	2							
MW-13R		4/21/09	12:17	AQ	2	2	2	2							
MW-6S		4/21/09	11:07	AQ	2	3	2	2							
GP-103R		4/22/09	9:42	AQ	2	4	2	2							
GP-104R		4/22/09	10:47	AQ	2	5	2	2							
MW-9SR		4/22/09	13:17	AQ	2	6	2	2							
MW-9D		4/22/09	1402	AQ	2	7	2	2							
DUP(042109)		4/21/09	—	AQ	2	8	2	2							
FB(042109)		4/21/09	12:00	FB	2	9	2	2							
FB(042209)		4/22/09	10:30	FB	2	10	2	2							

Known Hazard: Yes or No Describe:

Conc. Expected: Low Med High

PID 17.5

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:		4/22/09	1530	Received by:
Relinquished by:		4/22/09		Received by:
Relinquished by:				Received by:
Relinquished by:				Received by:
Relinquished by:				Received by:

Comments:

Lab Case # 03980

PAGE: 1 of 2

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03/2009 rev Ref No: G 260202873

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

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

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:	E. RodRIGUEZ
Sampler:	D. Kirschner / V. MYERS
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:	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* 72 hr* 1-wk* **2 wk/Std**

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 6 °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 #	VOC+ Cis 1,2 DCE	# BOTTLES & PRESERVATIVES: HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
TB (042109)		4/21/09	8:00	TB	2	11	2	2							

ANALYTICAL PARAMETERS

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

PLU M:15

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 M. M	4/22/09	1530	Received by:
Relinquished by:		4/22/09		Received by:
Relinquished by:				Received by:
Relinquished by:				Received by:
Relinquished by:				Received by:

Comments:

Lab Case # 03980

PAGE: 2 of 2

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PROJECT INFORMATION

Case No. E09-03980 **Project** KINGS ELECTRONICS VENDOR #1168636

Customer	Arcadis Geraghty & Miller	**P.O. #**	NJ000423.0005.000(
Contact	Eric Rodriguez	**Received**	4/22/2009 18:10
EMail	eric.rodriguez@arcadis-us.com ☐ EMail EDDs	**Verbal Due**	5/7/2009
Phone	(201) 684-1410 **Fax** 1(201) 684-1420	**Report Due**	5/14/2009

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
03980-001	PTW-2	n/a	4/21/2009@14:05	Aqueous	ug/L	2
03980-002	MW-13R	n/a	4/21/2009@12:17	Aqueous	ug/L	2
03980-003	MW-6S	n/a	4/21/2009@11:07	Aqueous	ug/L	2
03980-004	GP-103R	n/a	4/22/2009@09:42	Aqueous	ug/L	2
03980-005	GP-104R	n/a	4/22/2009@10:47	Aqueous	ug/L	2
03980-006	MW-9SR	n/a	4/22/2009@13:17	Aqueous	ug/L	2
03980-007	MW-9D	n/a	4/22/2009@14:02	Aqueous	ug/L	2
03980-008	DUP(042109)	n/a	4/21/2009	Aqueous	ug/L	2
03980-009	FB(042109)	n/a	4/21/2009@12:00	Aqueous	ug/L	2
03980-010	FB(042209)	n/a	4/22/2009@10:30	Aqueous	ug/L	2
03980-011	TB(042109)	n/a	4/21/2009	Aqueous	ug/L	2

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

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 09** **03980** 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 4/22/09

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 [signature] DATE 4/24/09

Laboratory Custody Chronicle

IAL Case No.

E09-03980

Client Arcadis Geraghty & Miller

Project KINGS ELECTRONICS VENDOR #1168636

Received On 4/22/2009@18:10

Department: Volatiles

			Prep. Date	***Analyst***	***Analysis Date***	***Analyst***
PP VOA + Cis 1,2-DCE	03980-001	Aqueous	n/a	n/a	4/28/09	Xing
"	-002	"	n/a	n/a	4/28/09	Xing
"	-003	"	n/a	n/a	4/30/09	Xing
"	-004	"	n/a	n/a	4/28/09	Xing
"	-005	"	n/a	n/a	4/28/09	Xing
"	-006	"	n/a	n/a	4/28/09	Xing
"	-007	"	n/a	n/a	4/28/09	Xing
"	-008	"	n/a	n/a	4/28/09	Xing
"	-009	"	n/a	n/a	4/28/09	Xing
"	-010	"	n/a	n/a	4/28/09	Xing
"	-011	"	n/a	n/a	4/28/09	Xing

Review and Approval: A Jenno

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: **E09-07112**

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.

E09-07112

Client Arcadis Geraghty & Miller

Project KINGS ELECTRONICS - VENDOR #1168636

Received On 7/17/2009@16:45

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
07112-001	FB(071509)	n/a	7/15/2009@09:00	Aqueous	2
07112-002	TB(071509)	n/a	7/15/2009	Aqueous	1
07112-003	FB(071609)	n/a	7/16/2009@09:30	Aqueous	2
07112-004	GP-103R	n/a	7/16/2009@09:07	Aqueous	2
07112-005	MW-9D	n/a	7/15/2009@11:32	Aqueous	2
07112-006	MW-9S	n/a	7/15/2009@10:32	Aqueous	2
07112-007	MW-6S	n/a	7/15/2009@11:27	Aqueous	2
07112-008	MW-13R	n/a	7/15/2009@10:37	Aqueous	2
07112-009	GP-104R	n/a	7/16/2009@09:40	Aqueous	2
07112-010	PTW-2	n/a	7/16/2009@10:42	Aqueous	2
07112-011	DUP(071509)	n/a	7/15/2009	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 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 July 17, 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

7/31/09
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E09-07112

		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 - 7112

	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		na
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	na
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		na
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

7/29/09
Date

SUMMARY REPORT
Client: Arcadis Geraghty & Miller
Project: KINGS ELECTRONICS - VENDOR #1168636
Lab Case No.: E09-07112

	Lab ID:	07112-001			07112-002			07112-003			07112-004		
	Client ID:	FB(071509)			TB(071509)			FB(071609)			GP-103R		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	7/15/09			7/15/09			7/16/09			7/16/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
cis-1,2-Dichloroethene		ND		0.200	ND		0.200	ND		0.200	ND		0.200
Trichloroethene		ND		0.280	ND		0.280	ND		0.280	0.285		0.280
TOTAL VO's:		ND			ND			ND			0.285		

	Lab ID:	07112-005			07112-006			07112-007			07112-008		
	Client ID:	MW-9D			MW-9S			MW-6S			MW-13R		
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	7/15/09			7/15/09			7/15/09			7/15/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
1,1-Dichloroethene		ND		0.610	ND		0.610	1.55		0.610	ND		0.610
cis-1,2-Dichloroethene		ND		0.200	0.564		0.200	ND		0.200	0.721		0.200
Trichloroethene		ND		0.280	ND		0.280	37.3		0.280	0.862		0.280
Tetrachloroethene		ND		0.190	ND		0.190	5.48		0.190	ND		0.190
TOTAL VO's:		ND			0.564			44.3			1.58		

	Lab ID:	07112-009			07112-010			07112-011		
	Client ID:	GP-104R			PTW-2			DUP(071509)		
	Matrix:	Aqueous			Aqueous			Aqueous		
	Sampled Date	7/16/09			7/16/09			7/15/09		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles + Cis 1,2-DCE (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
1,1-Dichloroethane		ND		0.230	0.576		0.230	0.552		0.230
cis-1,2-Dichloroethene		1.64		0.200	1.76		0.200	0.660		0.200
Trichloroethene		1.82		0.280	2.22		0.280	ND		0.280
TOTAL VO's:		3.46			4.56			1.21		

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 07112-001
Client ID: FB(071509)
Date Received: 07/17/2009
Date Analyzed: 07/27/2009
Data file: J3932.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 07112-002
Client ID: TB(071509)
Date Received: 07/17/2009
Date Analyzed: 07/27/2009
Data file: J3933.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 07112-003
Client ID: FB(071609)
Date Received: 07/17/2009
Date Analyzed: 07/27/2009
Data file: J3934.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 07112-004
Client ID: GP-103R
Date Received: 07/17/2009
Date Analyzed: 07/27/2009
Data file: J3920.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	0.285		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0.285

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 07112-005
Client ID: MW-9D
Date Received: 07/17/2009
Date Analyzed: 07/27/2009
Data file: J3921.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 07112-006
Client ID: MW-9S
Date Received: 07/17/2009
Date Analyzed: 07/27/2009
Data file: J3922.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	0.564		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0.564

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 07112-007
Client ID: MW-6S
Date Received: 07/17/2009
Date Analyzed: 07/27/2009
Data file: J3926.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	1.55		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	37.3		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	5.48		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 44.3

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 07112-008
Client ID: MW-13R
Date Received: 07/17/2009
Date Analyzed: 07/27/2009
Data file: J3927.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	0.721		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	0.862		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 1.58

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 07112-009
Client ID: GP-104R
Date Received: 07/17/2009
Date Analyzed: 07/27/2009
Data file: J3928.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	1.64		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	1.82		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 3.46

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 07112-010
Client ID: PTW-2
Date Received: 07/17/2009
Date Analyzed: 07/27/2009
Data file: J3929.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	0.576		0.230
cis-1,2-Dichloroethene	1.76		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	2.22		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 4.56

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: ARCADIS/KINGS ELEC

Lab ID: 07112-011
Client ID: DUP(071509)
Date Received: 07/17/2009
Date Analyzed: 07/27/2009
Data file: J3930.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	0.552		0.230
cis-1,2-Dichloroethene	0.660		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 1.21

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J3846.D

BFB Injection Date: 07/22/2009

Inst ID: MSD_J

BFB Injection Time: 8:13

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	20.2			
75	30.0 - 60.0% of mass 95	49.5			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	7.6			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	92.2			
175	5.0 - 9.0% of mass 174	7.3	(	7.9	)1
176	95.0 - 101.0% of mass 174	89.2	(	96.8	)1
177	5.0 - 9.0% of mass 176	5.9	(	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
1PPB	STD-1PPB	J3848.D	07/22/2009	9:10
2PPB	STD-2PPB	J3850.D	07/22/2009	10:08
100PPB	STD-100PPB	J3851.D	07/22/2009	10:36
5PPB	STD-5PPB	J3852.D	07/22/2009	11:05
200PPB	STD-200PPB	J3854.D	07/23/2009	12:02
20PPB	STD-20PPB	J3855.D	07/23/2009	12:31
150PPB	STD-150PPB	J3860.D	07/23/2009	2:55

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: J3915.D

BFB Injection Date: 07/27/2009

Inst ID: MSD_J

BFB Injection Time: 9:32

m/z	Ion Abudance Criteria	%Relative Abundance	
50	15 - 40.0% of mass 95	17.0	
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	7.3	
173	Less than 2.0% of mass 174	0.0 (0.0)1	
174	Great than 50.0% of mass 95	64.2	
175	5.0 - 9.0% of mass 174	4.6 (7.2)1	
176	95.0 - 101.0% of mass 174	61.2 (95.4)1	
177	5.0 - 9.0% of mass 176	4.0 (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	J3916.D	07/27/2009	10:02
NA	METHOD-BLK	J3918.D	07/27/2009	10:59
TRIP_BLANK	07153-003	J3919.D	07/27/2009	11:27
GP-103R	07112-004	J3920.D	07/27/2009	11:56
MW-9D	07112-005	J3921.D	07/27/2009	12:24
MW-9S	07112-006	J3922.D	07/27/2009	12:52
LCS-50PPB	BLK-SPK	J3923.D	07/27/2009	1:21
MS	MS	J3924.D	07/27/2009	1:50
MSD	MSD	J3925.D	07/27/2009	2:18
MW-6S	07112-007	J3926.D	07/27/2009	2:47
MW-13R	07112-008	J3927.D	07/27/2009	3:15
GP-104R	07112-009	J3928.D	07/27/2009	3:44
PTW-2	07112-010	J3929.D	07/27/2009	4:12
DUP(071509)	07112-011	J3930.D	07/27/2009	4:40
FB(071509)	07112-001	J3932.D	07/27/2009	5:37
TB(071509)	07112-002	J3933.D	07/27/2009	6:05
FB(071609)	07112-003	J3934.D	07/27/2009	6:34
MW_#8A	07153-001	J3936.D	07/27/2009	7:32
FIELD_BLANK	07153-002	J3937.D	07/27/2009	8:01

VOLATILE METHOD BLANK SUMMARY

Lab File ID: J3918.D Instrument ID: MSD_J

Date Analyzed: 07/27/2009 Time Analyzed: 10:59

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
TRIP_BLANK	07153-003	07/27/2009	11:27
GP-103R	07112-004	07/27/2009	11:56
MW-9D	07112-005	07/27/2009	12:24
MW-9S	07112-006	07/27/2009	12:52
LCS-50PPB	BLK-SPK	07/27/2009	1:21
MS	MS	07/27/2009	1:50
MSD	MSD	07/27/2009	2:18
MW-6S	07112-007	07/27/2009	2:47
MW-13R	07112-008	07/27/2009	3:15
GP-104R	07112-009	07/27/2009	3:44
PTW-2	07112-010	07/27/2009	4:12
DUP(071509)	07112-011	07/27/2009	4:40
FB(071509)	07112-001	07/27/2009	5:37
TB(071509)	07112-002	07/27/2009	6:05
FB(071609)	07112-003	07/27/2009	6:34
MW_#8A	07153-001	07/27/2009	7:32
FIELD_BLANK	07153-002	07/27/2009	8:01

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: NA
Date Received:
Date Analyzed: 07/27/2009
Data file: J3918.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		0.230
Vinyl chloride	ND		0.260
Bromomethane	ND		0.360
Chloroethane	ND		0.290
Trichlorofluoromethane	ND		0.230
Acrolein	ND		4.34
1,1-Dichloroethene	ND		0.610
Methylene chloride	ND		1.98
Acrylonitrile	ND		0.950
trans-1,2-Dichloroethene	ND		0.190
1,1-Dichloroethane	ND		0.230
cis-1,2-Dichloroethene	ND		0.200
Chloroform	ND		0.170
1,1,1-Trichloroethane	ND		0.230
Carbon tetrachloride	ND		0.160
1,2-Dichloroethane (EDC)	ND		0.210
Benzene	ND		0.210
Trichloroethene	ND		0.280
1,2-Dichloropropane	ND		0.200
Bromodichloromethane	ND		0.120
2-Chloroethyl vinyl ether	ND		0.990
cis-1,3-Dichloropropene	ND		0.150
Toluene	ND		0.200
trans-1,3-Dichloropropene	ND		0.270
1,1,2-Trichloroethane	ND		0.150
Tetrachloroethene	ND		0.190
Dibromochloromethane	ND		0.160
Chlorobenzene	ND		0.200
Ethylbenzene	ND		0.190
Total Xylenes	ND		0.440
Bromoform	ND		0.140
1,1,2,2-Tetrachloroethane	ND		0.120
1,3-Dichlorobenzene	ND		0.170
1,4-Dichlorobenzene	ND		0.160
1,2-Dichlorobenzene	ND		0.150

Total Target Compounds: 0

Response Factor Report MSD_J

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jul 29 11:15:01 2009
Response via : Initial Calibration

Calibration Files

5	=J3852.D	100	=J3851.D	20	=J3855.D
150	=J3860.D	200	=J3854.D	1	=J3848.D

		Compound (ppb)	5	100	20	150	200	1	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluoromet	0.604	0.695	0.641	0.694	0.687	0.774	0.682	8.42
3)	P	Chloromethane	0.992	0.926	0.950	0.927	0.913	0.926	0.939	3.03
4)	C	Vinyl chloride	0.598	0.715	0.682	0.722	0.696	0.829	0.707	10.52
5)	T	Bromomethane	0.452	0.405	0.428	0.438	0.370	0.421	0.419	6.85
6)	T	Chloroethane	0.363	0.375	0.387	0.376	0.391	0.394	0.381	3.13
7)	T	Trichlorofluorometh	0.801	0.785	0.811	0.742	0.790	0.914	0.807	7.13
8)	T	Acrolein	0.015	0.019	0.014	0.021	0.020	0.015	0.017	17.86
9)	MC	1,1-Dichloroethene	0.574	0.717	0.694	0.632	0.683	0.731	0.672	8.75
10)	T	Acetone	0.403	0.389	0.392	0.405	0.402	0.437	0.405	4.22
11)	T	Carbon disulfide	1.337	1.628	1.458	1.477	1.611	1.241	1.459	10.38
12)	T	Vinyl acetate	1.022	0.852	0.901	0.940	0.975	1.028	0.953	7.27
13)	T	Methylene chloride	0.581	0.629	0.611	0.651	0.663	0.799	0.656	11.60
14)	T	Acrylonitrile	0.174	0.193	0.188	0.202	0.205	0.180	0.190	6.37
15)	T	tert-Butyl alcohol	0.065	0.057	0.062	0.071	0.070	0.083	0.068	12.78
16)	T	trans-1,2-Dichloroe	0.525	0.521	0.522	0.553	0.516	0.579	0.536	4.63
17)	T	Methyl tert-butyl e	0.736	0.657	0.682	0.742	0.774	0.651	0.707	7.16
18)	P	1,1-Dichloroethane	0.816	0.915	0.849	0.864	0.921	0.714	0.847	9.00
19)	T	Diisopropyl ether (	1.436	1.504	1.432	1.508	1.613	1.452	1.491	4.58
20)	T	cis-1,2-Dichloroeth	0.575	0.597	0.583	0.597	0.622	0.674	0.608	5.96
21)	T	2,2-Dichloropropane	0.029	0.027	0.032	0.040	0.039	0.029	0.033	16.27
22)	T	2-Butanone (MEK)	0.458	0.406	0.435	0.444	0.413	0.570	0.454	13.16
23)	T	Bromochloromethane	0.382	0.418	0.404	0.434	0.427	0.420	0.414	4.51
25)	C	Chloroform	1.444	1.554	1.563	1.550	1.538	1.378	1.504	5.04
26)	T	1,1,1-Trichloroetha	0.610	0.595	0.590	0.597	0.676	0.275	0.557	25.48
27)	T	Carbon tetrachlorid	0.312	0.306	0.291	0.335	0.351	0.294	0.315	7.55
28)	T	1,1-Dichloropropene	0.851	0.982	0.923	1.020	0.979	1.092	0.975	8.43
29)	T	1,2-Dichloroethane	1.255	1.324	1.306	1.376	1.356	1.520	1.356	6.67
30)	S	1,2-Dichloroethane-	0.737	0.649	0.730	0.649	0.684	0.694	0.690	5.49
31)	I	1,4-Difluorobenzene	----------ISTD----------							
32)	M	Benzene	1.671	1.786	1.670	1.812	1.726	2.219	1.814	11.40
33)	M	Trichloroethene	0.489	0.548	0.508	0.579	0.539	0.610	0.545	8.17
34)	C	1,2-Dichloropropane	0.429	0.425	0.386	0.401	0.423	0.251	0.386	17.62
35)	T	Dibromomethane	0.330	0.338	0.320	0.325	0.332	0.314	0.326	2.64
36)	T	1,4-Dioxane	0.007	0.006	0.006	0.007	0.006	0.004	0.006	20.57
37)	T	Bromodichloromethan	0.623	0.457	0.407	0.477	0.538	0.598	0.517	16.34
38)	T	2-Chloroethyl vinyl	0.020	0.012	0.009	0.012	0.012	0.011	0.013	27.95
39)	T	cis-1,3-Dichloropro	0.237	0.301	0.264	0.302	0.319	0.284	0.284	10.51
40)	T	4-Methyl-2-pentanon	0.424	0.613	0.552	0.576	0.602	0.566	0.556	12.29
41)	S	Toluene-d8	1.283	1.293	1.278	1.310	1.304	1.263	1.288	1.35
42)	MC	Toluene	1.167	1.221	1.163	1.262	1.159	1.428	1.234	8.42
43)	T	trans-1,3-Dichlorop	0.205	0.319	0.260	0.293	0.344	0.161	0.264	26.45
44)	T	1,1,2-Trichloroetha	0.371	0.407	0.380	0.415	0.390	0.394	0.393	4.16
45)	T	Tetrachloroethene	0.428	0.431	0.414	0.443	0.411	0.491	0.436	6.69
46)	T	1,3-Dichloropropane	0.815	0.828	0.776	0.869	0.806	0.862	0.826	4.26
47)	T	2-Hexanone	0.468	0.493	0.469	0.507	0.500	0.469	0.484	3.63
48)	T	Dibromochloromethan	0.323	0.363	0.370	0.276	0.338	0.424	0.349	14.18
49)	T	1,2-Dibromoethane (	0.452	0.538	0.486	0.530	0.542	0.400	0.491	11.58

50)	I	Chlorobenzene-d5	----------ISTD----------							
51)	MP	Chlorobenzene	1.318	1.316	1.277	1.334	1.231	1.628	1.350	10.43
52)	T	1,1,1,2-Tetrachloro	0.284	0.277	0.288	0.294	0.315	0.129	0.265	25.53
53)	C	Ethylbenzene	2.026	2.280	2.127	2.319	2.175	2.247	2.196	4.94
54)	T	m,p-Xylene	0.791	0.784	0.785	0.773	0.714	0.833	0.780	4.92
55)	T	o-Xylene	0.796	0.815	0.815	0.802	0.731	0.822	0.797	4.24
56)	T	Styrene	1.284	1.457	1.402	1.434	1.328	1.224	1.355	6.77
57)	P	Bromoform	0.139	0.165	0.166	0.179	0.176	0.143	0.162	10.32
58)	T	Isopropylbenzene	1.708	1.967	1.817	1.898	1.875	1.679	1.824	6.15
59)	S	Bromofluorobenzene	0.579	0.654	0.605	0.644	0.661	0.518	0.610	9.03
60)	P	1,1,2,2-Tetrachloro	0.607	0.643	0.606	0.593	0.559	0.593	0.600	4.53
61)	T	Bromobenzene	0.535	0.577	0.552	0.570	0.537	0.548	0.553	3.11
62)	T	1,2,3-Trichloroprop	0.551	0.619	0.545	0.638	0.605	0.497	0.576	9.33
63)	T	n-Propylbenzene	1.839	2.262	1.967	1.973	2.160	1.575	1.963	12.37
64)	T	2-Chlorotoluene	1.544	1.633	1.453	1.616	1.562	1.347	1.526	7.11
65)	T	1,3,5-Trimethylbenz	1.341	1.631	1.514	1.527	1.553	1.254	1.470	9.69
66)	T	4-Chlorotoluene	1.512	1.894	1.689	1.811	1.795	1.505	1.701	9.57
67)	T	tert-Butylbenzene	1.029	1.166	1.041	1.094	1.113	0.816	1.043	11.67
68)	T	1,2,4-Trimethylbenz	1.354	1.759	1.586	1.648	1.713	1.298	1.560	12.26
69)	T	sec-Butylbenzene	1.347	1.707	1.565	1.527	1.654	2.303	1.684	19.47
70)	T	1,3-Dichlorobenzene	0.742	0.976	0.811	0.909	0.945	0.767	0.858	11.43
71)	T	4-Isopropyltoluene	1.023	1.471	1.282	1.265	1.437	1.069	1.258	14.62
72)	T	1,4-Dichlorobenzene	0.788	1.030	0.894	0.978	1.014	0.791	0.916	11.87
73)	T	n-Butylbenzene	0.462	0.647	0.535	0.579	0.633	0.549	0.568	12.04
74)	T	1,2-Dichlorobenzene	0.782	0.990	0.889	0.879	0.940	0.768	0.875	9.93
75)	T	1,2-Dibromo-3-chlor	0.111	0.121	0.103	0.125	0.125	0.203	0.131	27.48
76)	T	1,2,4-Trichlorobenz	0.245	0.356	0.216	0.289	0.346	0.375	0.304	21.31
77)	T	Hexachlorobutadiene	0.201	0.163	0.193	0.168	0.171	0.152	0.175	10.84
78)	T	Naphthalene	0.890	1.491	1.247	1.279	1.441	0.779	1.188	24.51
79)	T	1,2,3-Trichlorobenz	0.276	0.354	0.258	0.303	0.355	0.187	0.289	22.02
80)	T	1,1,2-Trichloro-1,2	0.181	0.194	0.182	0.175	0.177	0.168	0.179	4.84
81)	T	Methyl acetate	0.250	0.223	0.239	0.242	0.250	0.248	0.242	4.27
82)	T	Cyclohexane	0.493	0.458	0.485	0.470	0.454	0.619	0.497	12.49
83)	T	Methylcyclohexane	0.257	0.263	0.255	0.260	0.263	0.314	0.269	8.37

(#) = Out of Range

JAW0723.M Wed Jul 29 11:18:29 2009 MANAGER

Instrument ID: MSD_J
Method ID: JAW0723
Date: 07/23/09

Average %RSD = 10.62

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3916.D Vial: 3
Acq On : 27 Jul 2009 10:02 am Operator: BINXU
Sample : 100PPB,STD-100PPB,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Jul 29 11:18:26 2009
Response via : Single Level 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	136	0.01
2	T	Dichlorodifluoromethane	0.682	0.794	-16.4	155	0.00
3	P	Chloromethane	0.939	0.883	6.0	129	0.01
4	C	Vinyl chloride	0.707	0.677	4.2	128	0.00
5	T	Bromomethane	0.419	0.328	21.7	110	0.00
6	T	Chloroethane	0.381	0.347	8.9	125	-0.01
7	T	Trichlorofluoromethane	0.807	0.784	2.9	135	0.00
8	T	Acrolein	0.017	0.021	-23.5	148	0.01
9	MC	1,1-Dichloroethene	0.672	0.692	-3.0	131	-0.01
10	T	Acetone	0.405	0.292	27.9	102	0.01
11	T	Carbon disulfide	1.459	1.577	-8.1	131	0.00
12	T	Vinyl acetate	0.953	0.880	7.7	140	0.03
13	T	Methylene chloride	0.656	0.586	10.7	126	-0.02
14	T	Acrylonitrile	0.190	0.144	24.2	101	0.02
15	T	tert-Butyl alcohol (TBA)	0.068	0.064	5.9	151	0.02
16	T	trans-1,2-Dichloroethene	0.536	0.506	5.6	131	0.00
17	T	Methyl tert-butyl ether (MT	0.707	0.576	18.5	119	0.01
18	P	1,1-Dichloroethane	0.847	0.857	-1.2	127	0.01
19	T	Diisopropyl ether (DIPE)	1.491	1.376	7.7	124	0.01
20	T	cis-1,2-Dichloroethene	0.608	0.551	9.4	125	0.01
21	T	2,2-Dichloropropane	0.033	0.035	-6.1	174	0.01
22	T	2-Butanone (MEK)	0.454	0.312	31.3	104	0.02
23	T	Bromochloromethane	0.414	0.380	8.2	123	0.01
25	C	Chloroform	1.504	1.394	7.3	122	0.01
26	T	1,1,1-Trichloroethane	0.557	0.544	2.3	124	0.01
27	T	Carbon tetrachloride	0.315	0.253	19.7	112	0.01
28	T	1,1-Dichloropropene	0.975	0.925	5.1	128	0.01
29	T	1,2-Dichloroethane (EDC)	1.356	1.148	15.3	118	0.01
30	S	1,2-Dichloroethane-d4	0.690	0.625	9.4	130	0.01
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	137	0.01
32	M	Benzene	1.814	1.605	11.5	123	0.01
33	M	Trichloroethene	0.545	0.460	15.6	115	0.01
34	C	1,2-Dichloropropane	0.386	0.379	1.8	122	0.01
35	T	Dibromomethane	0.326	0.290	11.0	117	0.01
37	T	Bromodichloromethane	0.517	0.380	26.5	114	0.00
38	T	2-Chloroethyl vinyl ether	0.013	0.011	15.4	120	0.02
39	T	cis-1,3-Dichloropropene	0.284	0.287	-1.1	130	0.01
40	T	4-Methyl-2-pentanone (MIBK)	0.556	0.425	23.6	95	0.01
41	S	Toluene-d8	1.288	1.289	-0.1	136	0.01
42	MC	Toluene	1.234	1.088	11.8	122	0.01
43	T	trans-1,3-Dichloropropene	0.264	0.290	-9.8	124	0.00
44	T	1,1,2-Trichloroethane	0.393	0.347	11.7	117	0.00
45	T	Tetrachloroethene	0.436	0.379	13.1	120	0.01
46	T	1,3-Dichloropropane	0.826	0.703	14.9	116	0.01

47	T	2-Hexanone	0.484	0.357	26.2	99	0.01
48	T	Dibromochloromethane	0.349	0.319	8.6	120	0.01
49	T	1,2-Dibromoethane (EDB)	0.491	0.442	10.0	112	0.00
50	I	Chlorobenzene-d5	1.000	1.000	0.0	136	0.01
51	MP	Chlorobenzene	1.350	1.150	14.8	119	0.01
52	T	1,1,1,2-Tetrachloroethane	0.265	0.273	-3.0	134	0.00
53	C	Ethylbenzene	2.196	2.030	7.6	121	0.01
54	T	m,p-Xylene	0.780	0.689	11.7	120	0.00
55	T	o-Xylene	0.797	0.701	12.0	117	0.00
56	T	Styrene	1.355	1.251	7.7	117	0.01
57	P	Bromoform	0.162	0.202	-24.7	166	0.01
58	T	Isopropylbenzene	1.824	1.756	3.7	122	0.01
59	S	Bromofluorobenzene	0.610	0.649	-6.4	135	0.01
60	P	1,1,2,2-Tetrachloroethane	0.600	0.543	9.5	115	0.00
61	T	Bromobenzene	0.553	0.487	11.9	115	0.01
62	T	1,2,3-Trichloropropane	0.576	0.494	14.2	109	0.00
63	T	n-Propylbenzene	1.963	2.038	-3.8	123	0.00
64	T	2-Chlorotoluene	1.526	1.436	5.9	120	0.01
65	T	1,3,5-Trimethylbenzene	1.470	1.437	2.2	120	0.00
66	T	4-Chlorotoluene	1.701	1.660	2.4	119	0.01
67	T	tert-Butylbenzene	1.043	1.036	0.7	121	0.01
68	T	1,2,4-Trimethylbenzene	1.560	1.560	0.0	121	0.01
69	T	sec-Butylbenzene	1.684	1.560	7.4	124	0.00
70	T	1,3-Dichlorobenzene	0.858	0.827	3.6	115	0.01
71	T	4-Isopropyltoluene	1.258	1.321	-5.0	122	0.00
72	T	1,4-Dichlorobenzene	0.916	0.872	4.8	115	0.01
73	T	n-Butylbenzene	0.568	0.590	-3.9	124	0.01
74	T	1,2-Dichlorobenzene	0.875	0.817	6.6	112	0.01
75	T	1,2-Dibromo-3-chloropropane	0.131	0.088	32.8	99	0.01
76	T	1,2,4-Trichlorobenzene	0.304	0.260	14.5	100	0.00
77	T	Hexachlorobutadiene	0.175	0.138	21.1	116	0.00
78	T	Naphthalene	1.188	1.023	13.9	93	0.01
79	T	1,2,3-Trichlorobenzene	0.289	0.247	14.5	95	0.00
80	T	1,1,2-Trichloro-1,2,2-trifl	0.179	0.219	-22.3	154	0.00
81	T	Methyl acetate	0.242	0.204	15.7	125	0.01
82	T	Cyclohexane	0.497	0.458	7.8	136	0.00
83	T	Methylcyclohexane	0.269	0.279	-3.7	144	0.01

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

J2411.D JAW0723.M Wed Jul 29 11:30:51 2009 MANAGER

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 07/27/2009

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	J3918.D	98	99	76
07153-003	AQUEOUS	J3919.D	97	101	75
07112-004	AQUEOUS	J3920.D	91	99	74
07112-005	AQUEOUS	J3921.D	95	99	72
07112-006	AQUEOUS	J3922.D	98	99	76
BLK-SPK	AQUEOUS	J3923.D	91	102	105
MS	AQUEOUS	J3924.D	103	101	95
MSD	AQUEOUS	J3925.D	102	100	92
07112-007	AQUEOUS	J3926.D	94	99	71
07112-008	AQUEOUS	J3927.D	97	99	71
07112-009	AQUEOUS	J3928.D	94	99	72
07112-010	AQUEOUS	J3929.D	94	101	71
07112-011	AQUEOUS	J3930.D	102	101	74
07112-001	AQUEOUS	J3932.D	95	100	70
07112-002	AQUEOUS	J3933.D	95	100	68
07112-003	AQUEOUS	J3934.D	101	101	67
07153-001	AQUEOUS	J3936.D	101	102	85
07153-002	AQUEOUS	J3937.D	106	101	71

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	73-200	39-183
SMC2 = Toluene-d8	50 ppb	92-108	58-143
SMC3 = Bromofluorobenzene	50 ppb	65-117	50-152

Column to be used to flag recovery values

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: MSD

Batch No.: J0727

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	34.0	68	34 - 149
Benzene	50.0	0.0	38.8	78	45 - 136
Trichloroethene	50.0	0.0	34.9	70	40 - 147
Toluene	50.0	0.0	38.3	77	43 - 137
Chlorobenzene	50.0	0.0	35.8	72	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	31.5	63	8	19	34 - 149
Benzene	0.0	36.8	74	5	15	45 - 136
Trichloroethene	0.0	33.3	67	4	18	40 - 147
Toluene	0.0	37.0	74	4	16	43 - 137
Chlorobenzene	0.0	34.6	69	4	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): J3851.D

Date Analyzed: 07/22/2009

Instrument ID: MSD_J

Time Analyzed: 10:36

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	202038	6.18	333497	7.00	358288	10.34
	UPPER LIMIT	404076	6.68	666994	7.50	716576	10.84
	LOWER LIMIT	101019	5.68	166748.5	6.50	179144	9.84
	LAB SAMPLE ID						
01	STD-1PPB	244410	6.18	395841	7.00	407614	10.34
02	STD-2PPB	204964	6.18	332995	7.00	348489	10.34
03	STD-5PPB	225633	6.18	366963	7.00	364631	10.34
04	STD-200PPB	191473	6.18	327805	7.00	354627	10.34
05	STD-20PPB	219298	6.18	363970	7.00	376590	10.34
06	STD-150PPB	192769	6.18	317632	7.00	349223	10.34
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): J3916.D

Date Analyzed: 07/27/2009

Instrument ID: MSD_J

Time Analyzed: 10:02

	50UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	273844		6.18		455437		7.00		488029		10.34	
	UPPER LIMIT	547688		6.68		910874		7.50		976058		10.84	
	LOWER LIMIT	136922		5.68		227718.5		6.50		244014.5		9.84	
	LAB SAMPLE ID												
01	METHOD-BLK	233328		6.18		402761		7.00		413907		10.34	
02	07153-003	252533		6.19		424266		7.01		446121		10.34	
03	07112-004	265261		6.18		445188		7.00		457864		10.34	
04	07112-005	227577		6.18		404064		7.00		413947		10.34	
05	07112-006	233853		6.18		411129		7.00		424706		10.34	
06	BLK-SPK	295682		6.18		506351		7.00		540148		10.34	
07	MS	220718		6.17		392227		7.00		442580		10.34	
08	MSD	235145		6.18		411128		7.00		461645		10.34	
09	07112-007	245801		6.18		429420		7.01		435259		10.34	
10	07112-008	252368		6.18		442759		7.00		453539		10.34	
11	07112-009	247014		6.18		428901		7.00		434993		10.34	
12	07112-010	246336		6.18		423757		7.00		444931		10.34	
13	07112-011	231522		6.18		411193		7.00		431653		10.34	
14	07112-001	232674		6.18		410051		7.00		411989		10.34	
15	07112-002	210073		6.18		370728		7.01		381660		10.34	
16	07112-003	195114		6.18		342133		7.00		356901		10.34	
17	07153-001	208395		6.18		357344		7.00		398183		10.34	
18	07153-002	200346		6.18		360344		7.01		377845		10.34	
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 File : C:\MSDCHEM\1\DATA\07-27-09\J3932.D Vial: 19
Acq On : 27 Jul 2009 5:37 pm Operator: BINXU
Sample : FB(071509),07112-001,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 17:57:50 2009 Quant Results File: JAW0723.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration
DataAcq Meth : JAW0723

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	232674	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	410051	50.00	UG	0.01
50) Chlorobenzene-d5	10.34	117	411989	50.00	UG	0.01
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	153124	47.66	UG	0.02
Spiked Amount 50.000	Range 43 - 133		Recovery = 95.32%			
41) Toluene-d8	8.67	98	530771	50.23	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.46%			
59) Bromofluorobenzene	11.75	95	177169	35.24	UG	0.02
Spiked Amount 50.000	Range 23 - 145		Recovery = 70.48%			

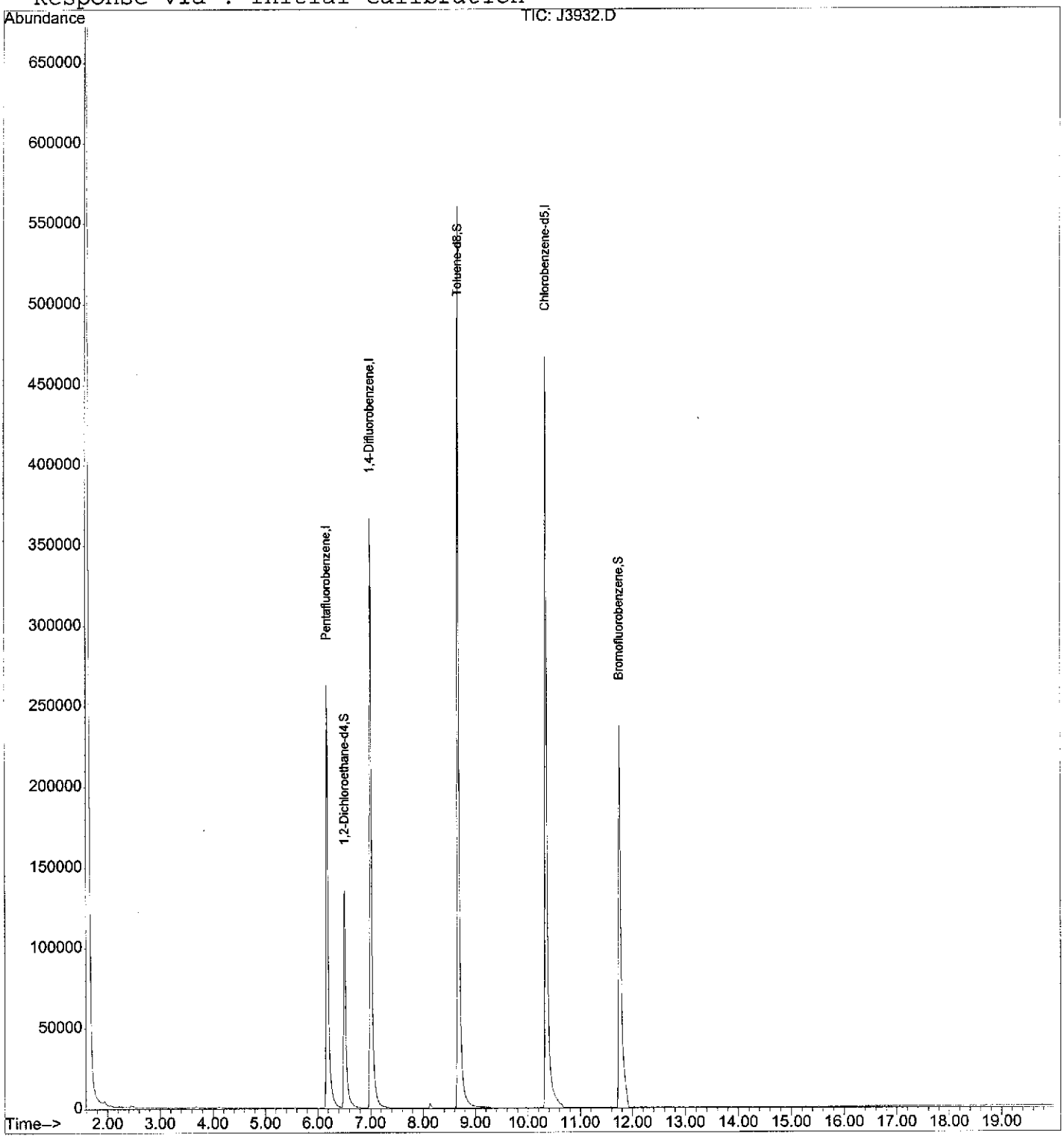
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3932.D Vial: 19
Acq On : 27 Jul 2009 5:37 pm Operator: BINXU
Sample : FB(071509),07112-001,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 28 14:31 2009 Quant Results File: JAW0723.RES

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3933.D Vial: 20
Acq On : 27 Jul 2009 6:05 pm Operator: BINXU
Sample : TB(071509),07112-002,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 18:26:01 2009 Quant Results File: JAW0723.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration
DataAcq Meth : JAW0723

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	210073	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.01	114	370728	50.00	UG	0.02
50) Chlorobenzene-d5	10.34	117	381660	50.00	UG	0.01
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	137891	47.53	UG	0.02
Spiked Amount 50.000	Range 43 - 133		Recovery = 95.06%			
41) Toluene-d8	8.67	98	479873	50.23	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.46%			
59) Bromofluorobenzene	11.75	95	158605	34.06	UG	0.02
Spiked Amount 50.000	Range 23 - 145		Recovery = 68.12%			

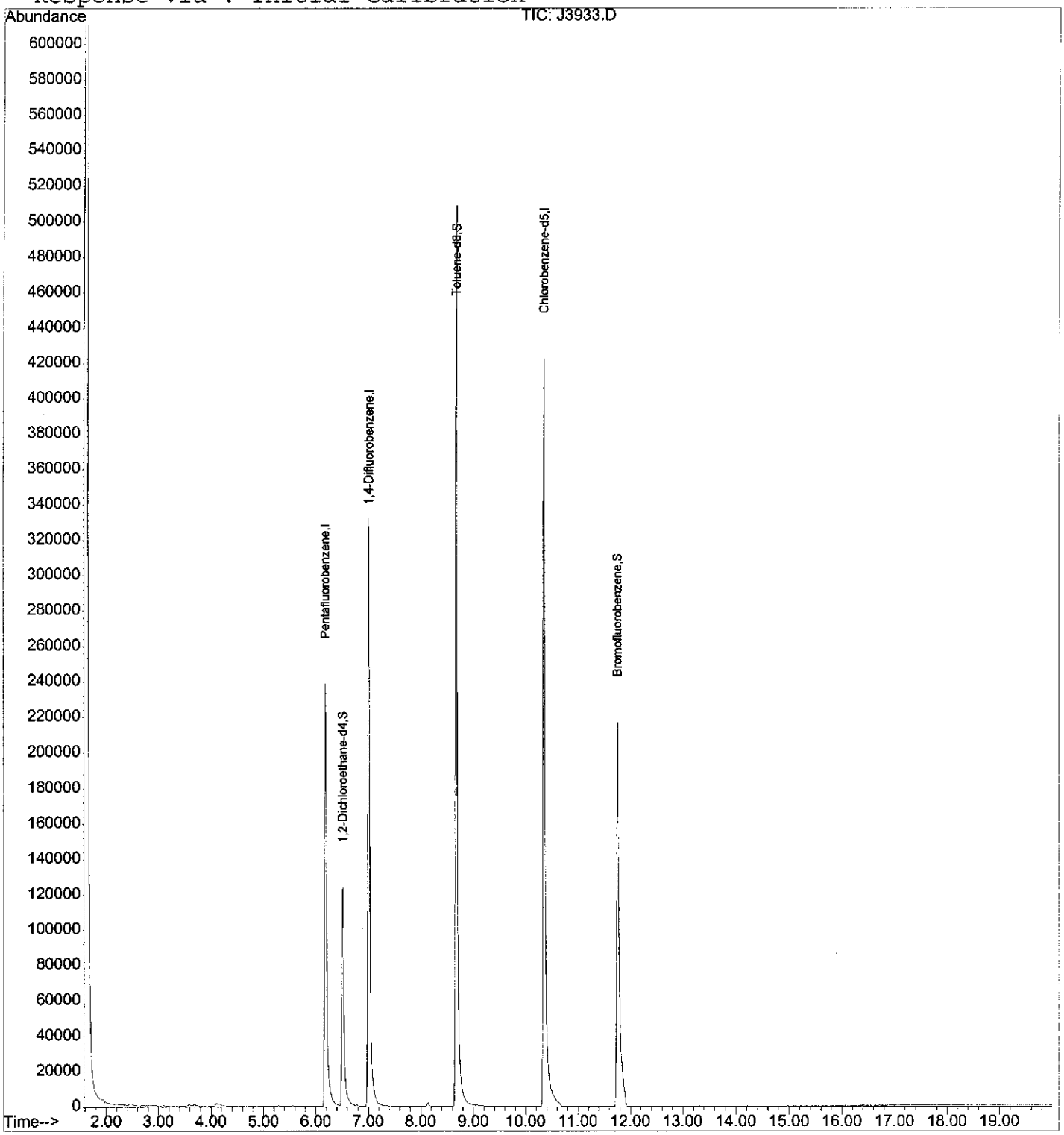
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3933.D Vial: 20
Acq On : 27 Jul 2009 6:05 pm Operator: BINXU
Sample : TB(071509),07112-002,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 28 14:32 2009 Quant Results File: JAW0723.RES

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3934.D Vial: 21
Acq On : 27 Jul 2009 6:34 pm Operator: BINXU
Sample : FB(071609),07112-003,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/16/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 18:54:34 2009 Quant Results File: JAW0723.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration
DataAcq Meth : JAW0723

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	195114	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	342133	50.00	UG	0.01
50) Chlorobenzene-d5	10.34	117	356901	50.00	UG	0.01
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	135840	50.42	UG	0.02
Spiked Amount 50.000	Range 43 - 133		Recovery = 100.84%			
41) Toluene-d8	8.67	98	443670	50.32	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.64%			
59) Bromofluorobenzene	11.75	95	146746	33.70	UG	0.02
Spiked Amount 50.000	Range 23 - 145		Recovery = 67.40%			

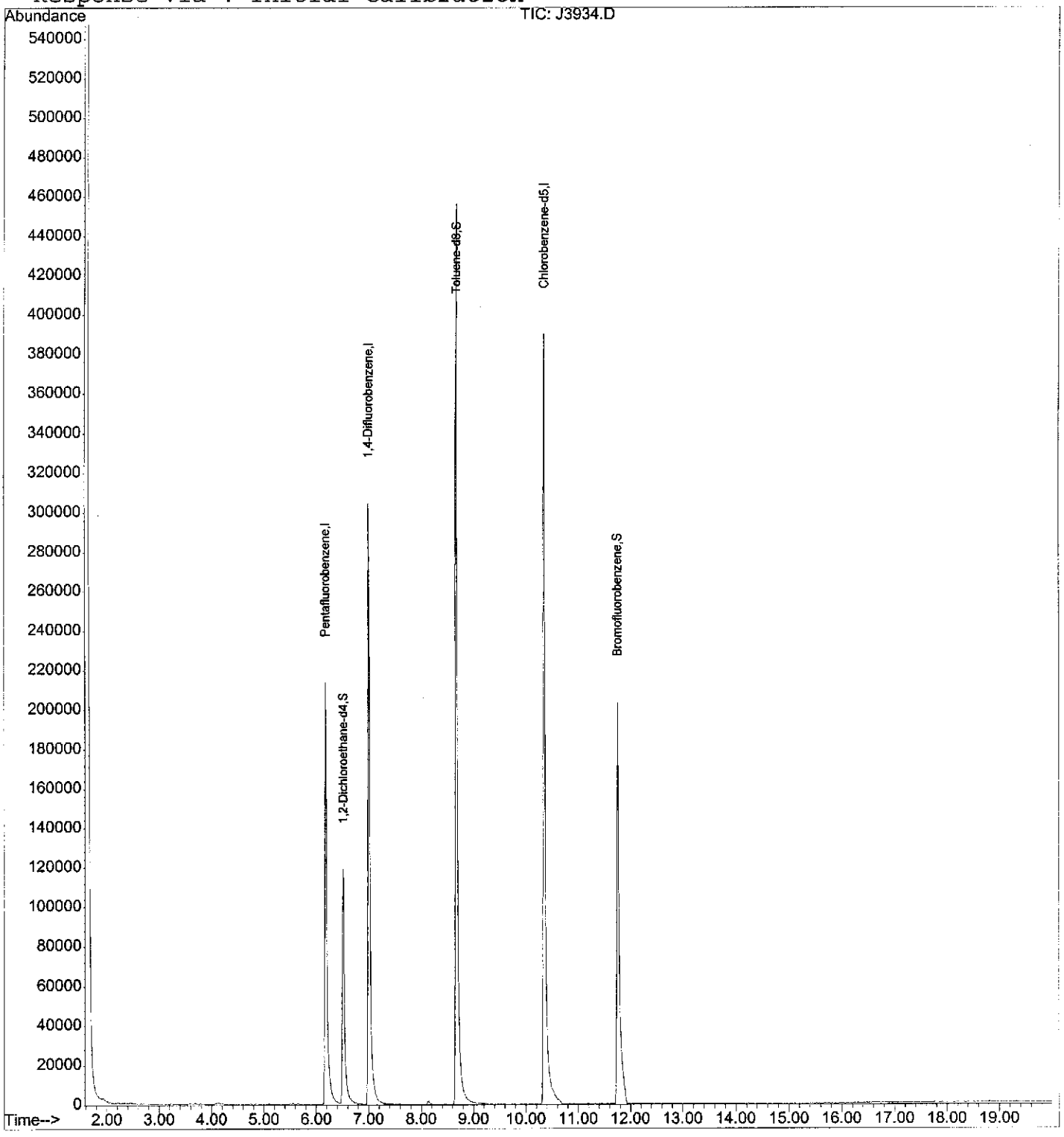
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3934.D Vial: 21
Acq On : 27 Jul 2009 6:34 pm Operator: BINXU
Sample : FB(071609),07112-003,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/16/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 28 14:32 2009 Quant Results File: JAW0723.RES

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3920.D Vial: 7
Acq On : 27 Jul 2009 11:56 am Operator: BINXU
Sample : GP-103R,07112-004,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/16/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 12:16:26 2009 Quant Results File: JAW0723.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Jul 24 10:48:04 2009
Response via : Initial Calibration
DataAcq Meth : JAW0723

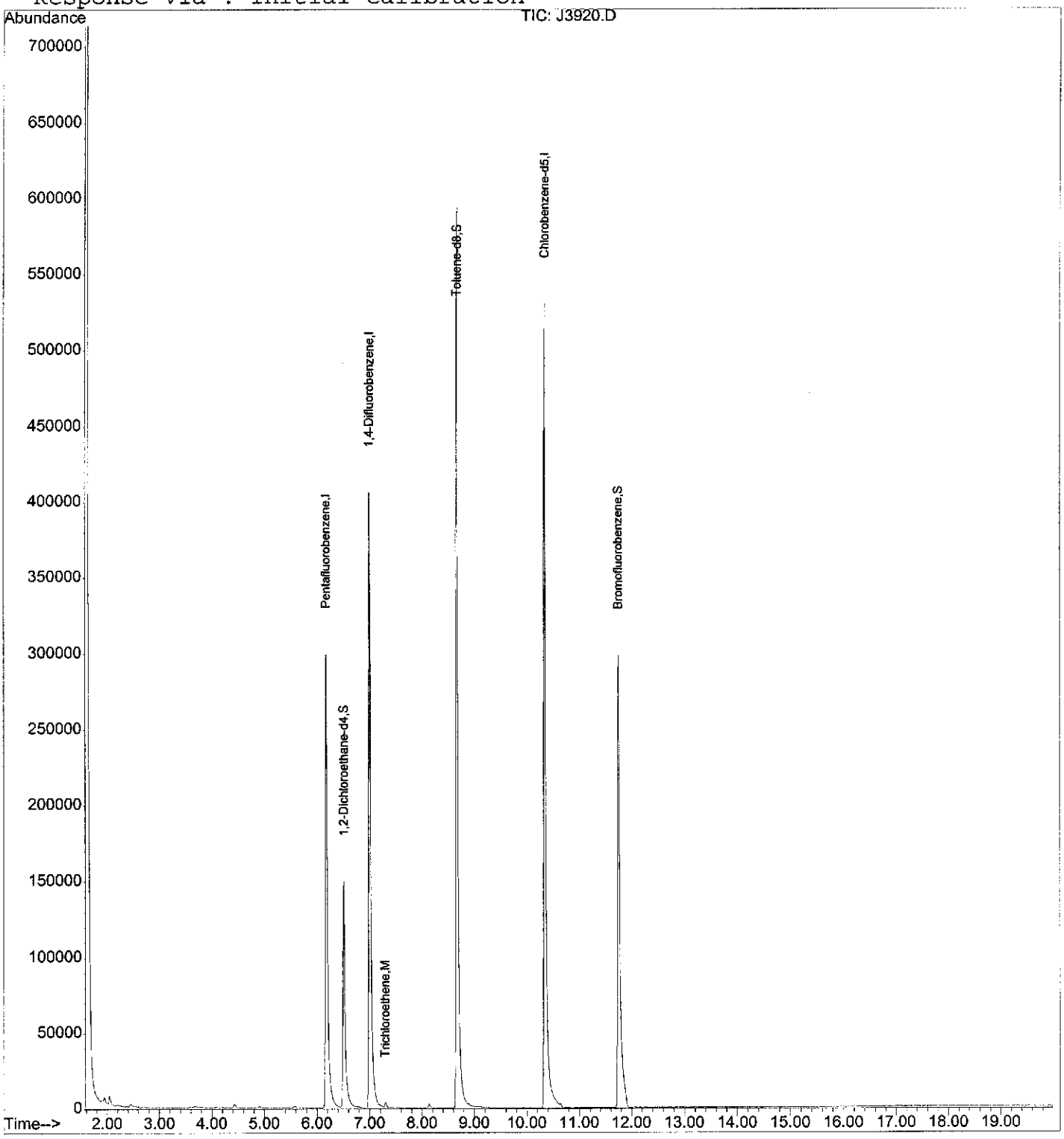
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	265261	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	445188	50.00	UG	0.01
50) Chlorobenzene-d5	10.34	117	457864	50.00	UG	0.01
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	166786	45.40	UG	0.02
Spiked Amount 50.000	Range 43 - 133		Recovery = 90.80%			
41) Toluene-d8	8.67	98	566165	49.51	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.02%			
59) Bromofluorobenzene	11.75	95	203473	37.09	UG	0.02
Spiked Amount 50.000	Range 23 - 145		Recovery = 74.18%			
Target Compounds						Qvalue
33) Trichloroethene	7.30	95	1408	0.28	UG	90

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3920.D Vial: 7
Acq On : 27 Jul 2009 11:56 am Operator: BINXU
Sample : GP-103R,07112-004,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/16/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 16:47 2009 Quant Results File: JAW0723.RES

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3921.D Vial: 8
Acq On : 27 Jul 2009 12:24 pm Operator: BINXU
Sample : MW-9D,07112-005,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 12:44:57 2009 Quant Results File: JAW0723.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Jul 24 10:48:04 2009
Response via : Initial Calibration
DataAcq Meth : JAW0723

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	227577	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	404064	50.00	UG	0.01
50) Chlorobenzene-d5	10.34	117	413947	50.00	UG	0.01
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	149309	47.37	UG	0.02
Spiked Amount 50.000	Range 43 - 133		Recovery = 94.74%			
41) Toluene-d8	8.67	98	514307	49.55	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.10%			
59) Bromofluorobenzene	11.75	95	179714	36.23	UG	0.02
Spiked Amount 50.000	Range 23 - 145		Recovery = 72.46%			

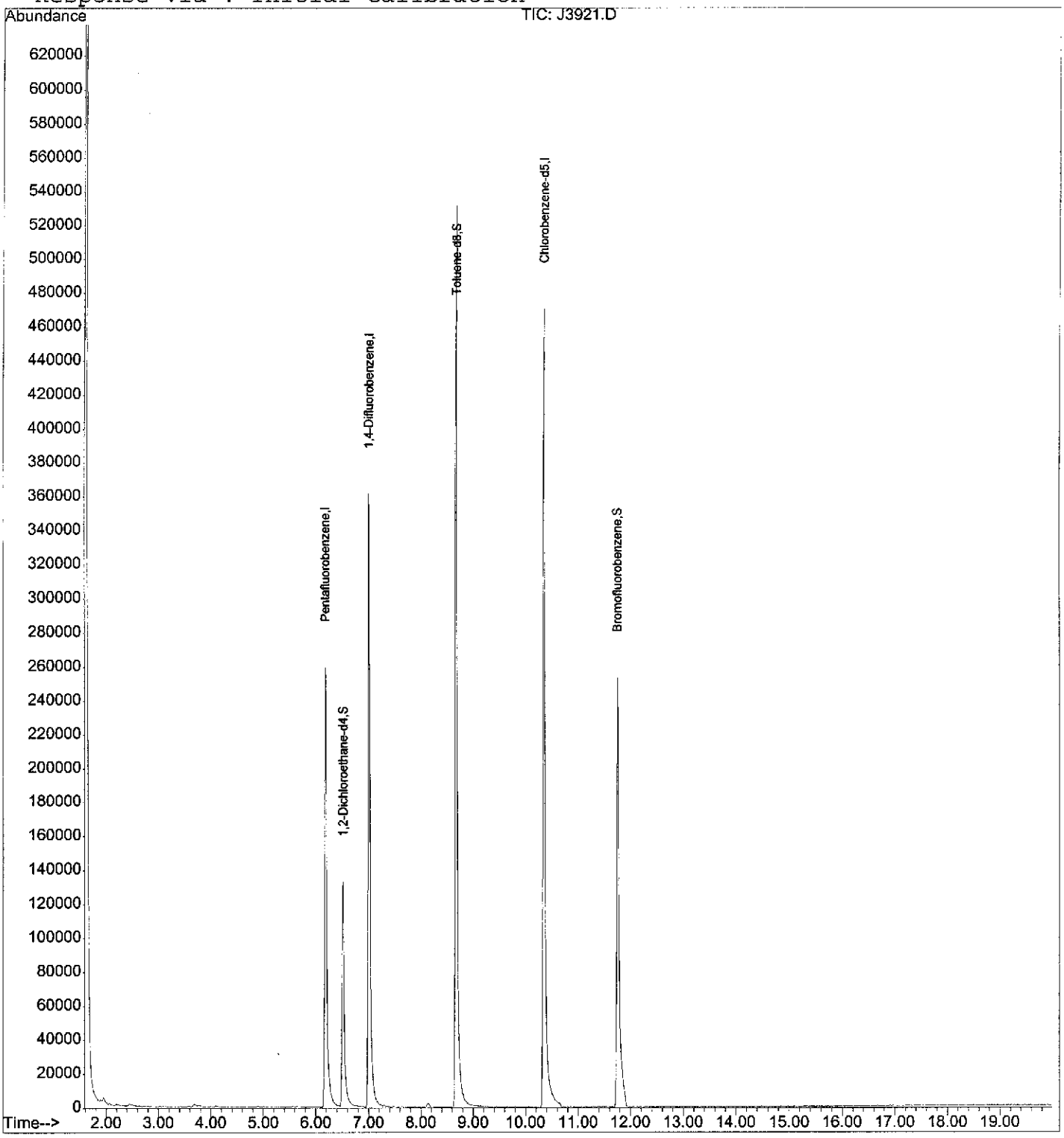
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3921.D Vial: 8
Acq On : 27 Jul 2009 12:24 pm Operator: BINXU
Sample : MW-9D,07112-005,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 16:47 2009 Quant Results File: JAW0723.RES

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3922.D Vial: 9
Acq On : 27 Jul 2009 12:52 pm Operator: BINXU
Sample : MW-9S,07112-006,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 13:12:58 2009 Quant Results File: JAW0723.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Jul 24 10:48:04 2009
Response via : Initial Calibration
DataAcq Meth : JAW0723

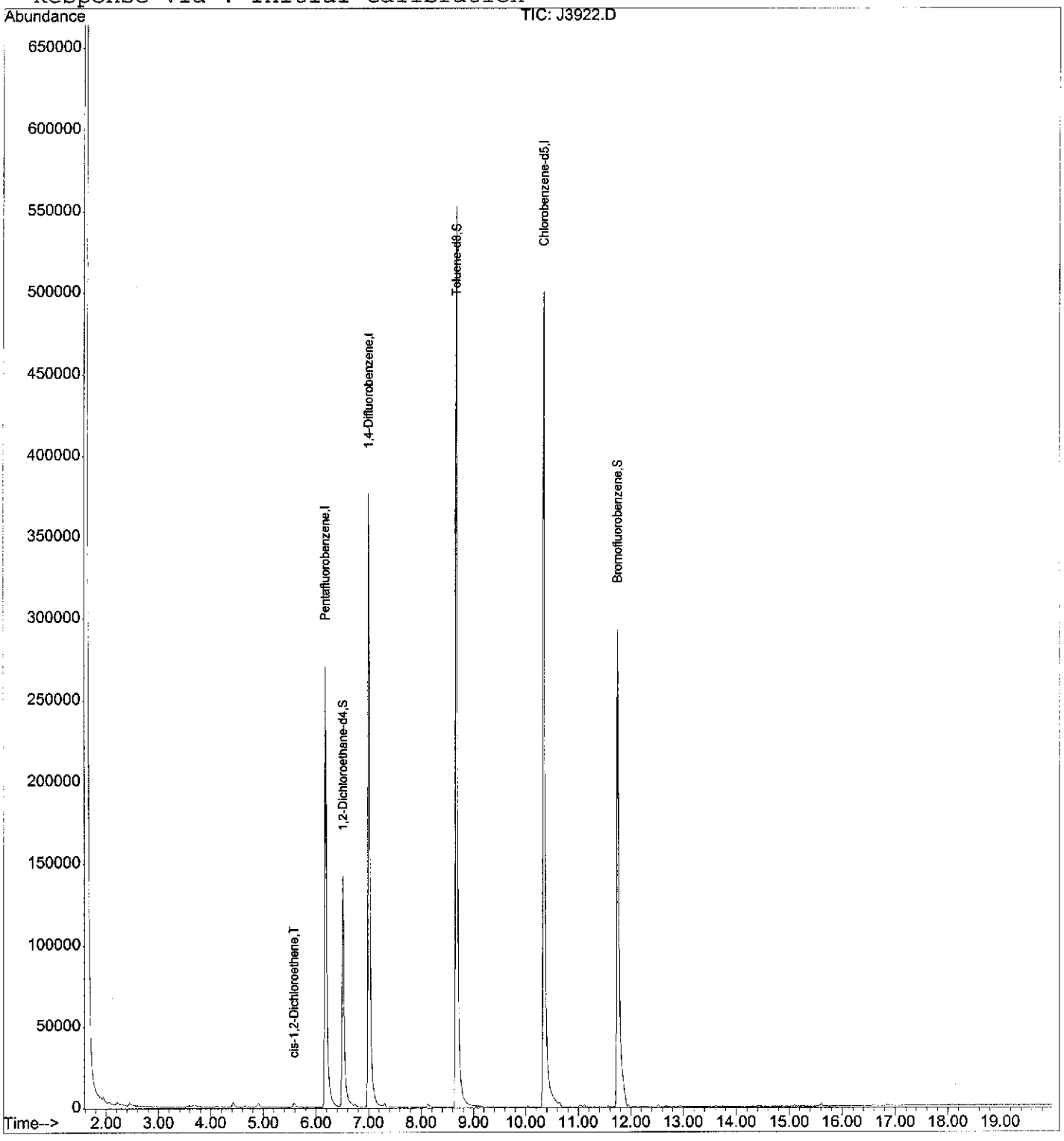
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	233853	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	411129	50.00	UG	0.01
50) Chlorobenzene-d5	10.34	117	424706	50.00	UG	0.01
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	158450	48.92	UG	0.02
Spiked Amount 50.000	Range 43 - 133		Recovery = 97.84%			
41) Toluene-d8	8.67	98	523604	49.58	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.16%			
59) Bromofluorobenzene	11.75	95	193244	37.97	UG	0.02
Spiked Amount 50.000	Range 23 - 145		Recovery = 75.94%			
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	5.59	96	1609	0.56	UG	# 99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3922.D Vial: 9
Acq On : 27 Jul 2009 12:52 pm Operator: BINXU
Sample : MW-9S,07112-006,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 16:48 2009 Quant Results File: JAW0723.RES

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3926.D Vial: 13
Acq On : 27 Jul 2009 2:47 pm Operator: BINXU
Sample : MW-6S,07112-007,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 15:07:12 2009 Quant Results File: JAW0723.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 14:55:12 2009
Response via : Initial Calibration
DataAcq Meth : JAW0723

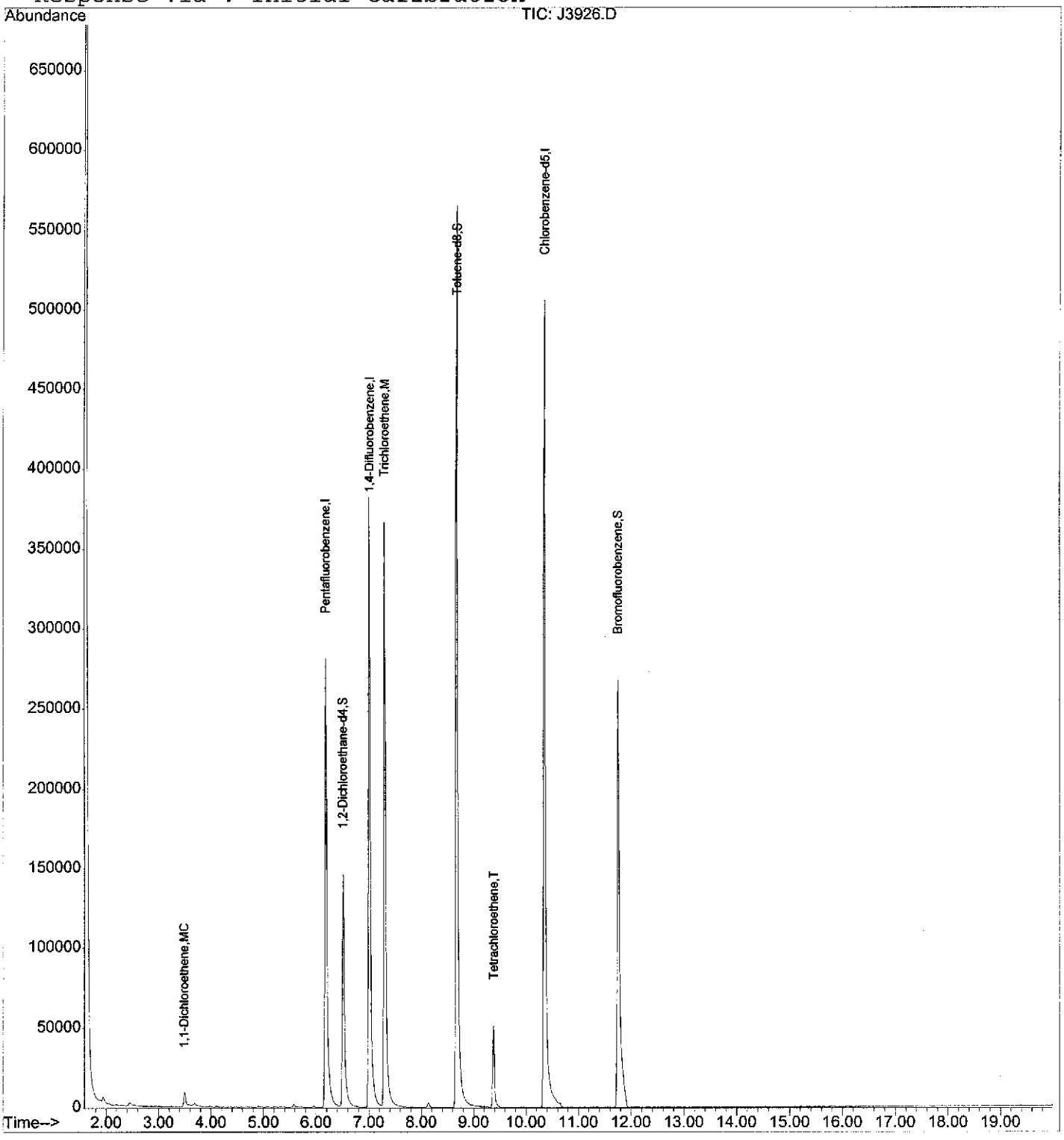
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	245801	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.01	114	429420	50.00	UG	0.02
50) Chlorobenzene-d5	10.34	117	435259	50.00	UG	0.01
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	159537	47.00	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 94.00%			
41) Toluene-d8	8.67	98	550524	49.75	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.50%			
59) Bromofluorobenzene	11.75	95	187747	35.35	UG	0.02
Spiked Amount 50.000	Range 23 - 145		Recovery = 70.70%			
Target Compounds						Qvalue
9) 1,1-Dichloroethene	3.49	96	5120	1.55	UG	# 100
33) Trichloroethene	7.30	95	174805	37.32	UG	88
45) Tetrachloroethene	9.38	166	20541	5.48	UG	# 99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3926.D Vial: 13
Acq On : 27 Jul 2009 2:47 pm Operator: BINXU
Sample : MW-6S,07112-007,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 28 14:28 2009 Quant Results File: JAW0723.RES

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3927.D Vial: 14
Acq On : 27 Jul 2009 3:15 pm Operator: BINXU
Sample : MW-13R,07112-008,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 15:35:44 2009 Quant Results File: JAW0723.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration
DataAcq Meth : JAW0723

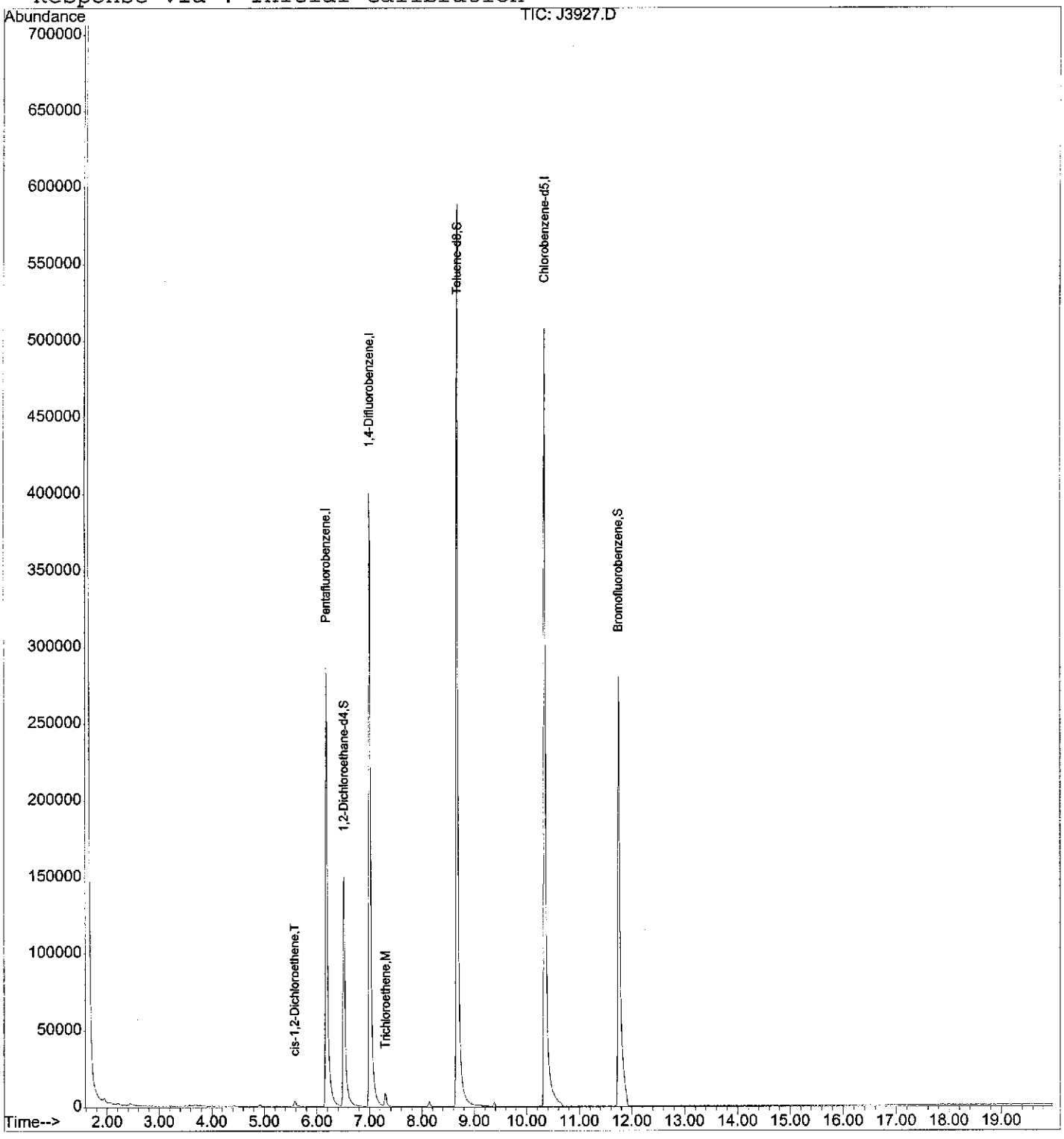
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	252368	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	442759	50.00	UG	0.01
50) Chlorobenzene-d5	10.34	117	453539	50.00	UG	0.01
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	168382	48.32	UG	0.02
Spiked Amount 50.000	Range 43 - 133		Recovery = 96.64%			
41) Toluene-d8	8.67	98	563042	49.35	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 98.70%			
59) Bromofluorobenzene	11.75	95	196591	35.52	UG	0.02
Spiked Amount 50.000	Range 23 - 145		Recovery = 71.04%			
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	5.58	96	2211	0.72	UG	# 70
33) Trichloroethene	7.31	95	4161	0.86	UG	89

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3927.D Vial: 14
Acq On : 27 Jul 2009 3:15 pm Operator: BINXU
Sample : MW-13R,07112-008,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 28 14:29 2009 Quant Results File: JAW0723.RES

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3928.D Vial: 15
Acq On : 27 Jul 2009 3:44 pm Operator: BINXU
Sample : GP-104R,07112-009,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/16/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 16:04:07 2009 Quant Results File: JAW0723.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration
DataAcq Meth : JAW0723

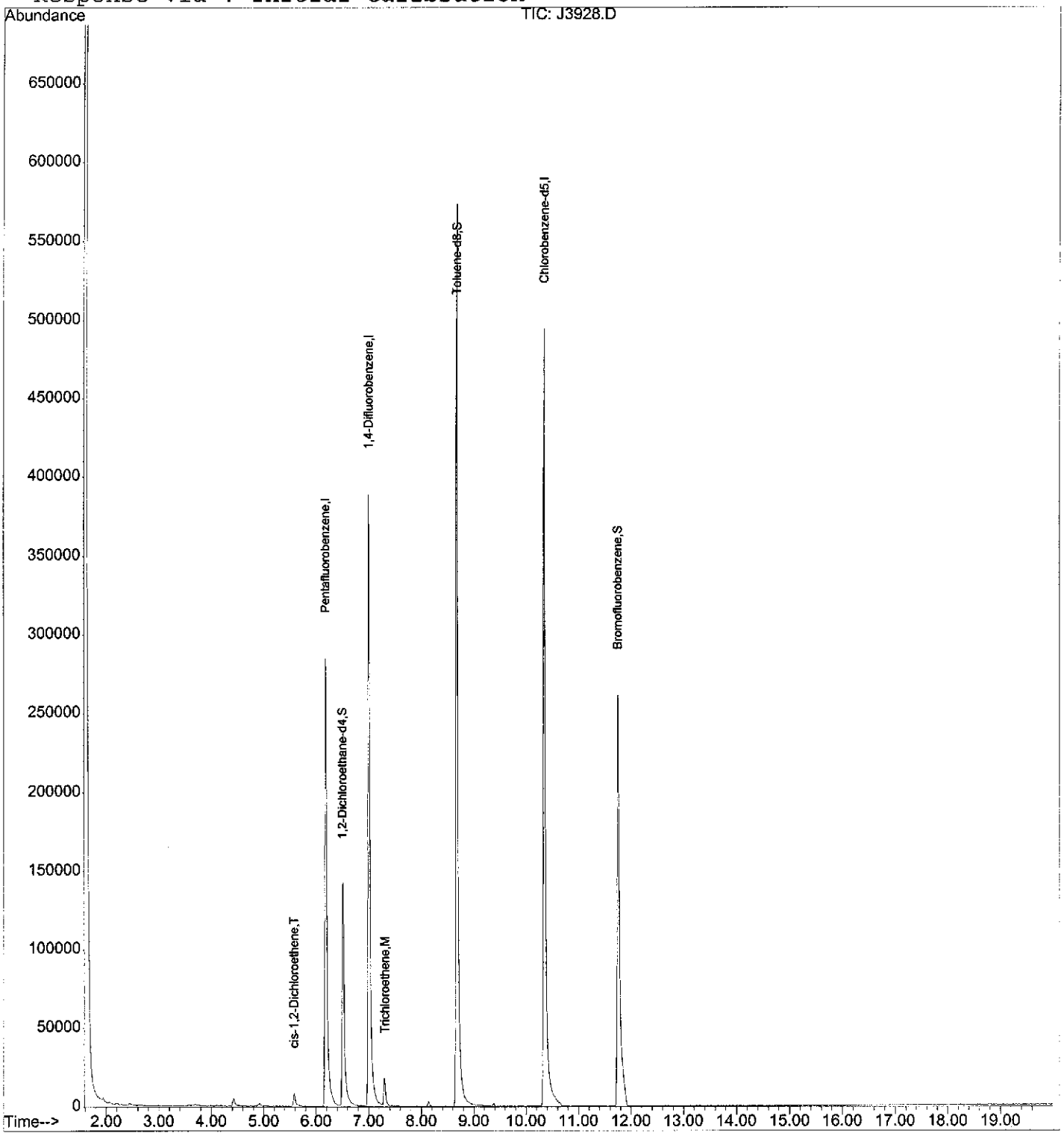
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	247014	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	428901	50.00	UG	0.01
50) Chlorobenzene-d5	10.34	117	434993	50.00	UG	0.01
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.51	65	160944	47.18	UG	0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 94.36%			
41) Toluene-d8	8.67	98	549220	49.69	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 99.38%			
59) Bromofluorobenzene	11.75	95	191430	36.06	UG	0.02
Spiked Amount 50.000	Range 23 - 145		Recovery = 72.12%			
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	5.59	96	4917m	1.64	UG	
33) Trichloroethene	7.31	95	8507	1.82	UG	# 57

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3928.D Vial: 15
Acq On : 27 Jul 2009 3:44 pm Operator: BINXU
Sample : GP-104R,07112-009,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/16/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 28 14:30 2009 Quant Results File: JAW0723.RES

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3929.D Vial: 16
Acq On : 27 Jul 2009 4:12 pm Operator: BINXU
Sample : PTW-2,07112-010,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/16/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 16:32:34 2009 Quant Results File: JAW0723.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration
DataAcq Meth : JAW0723

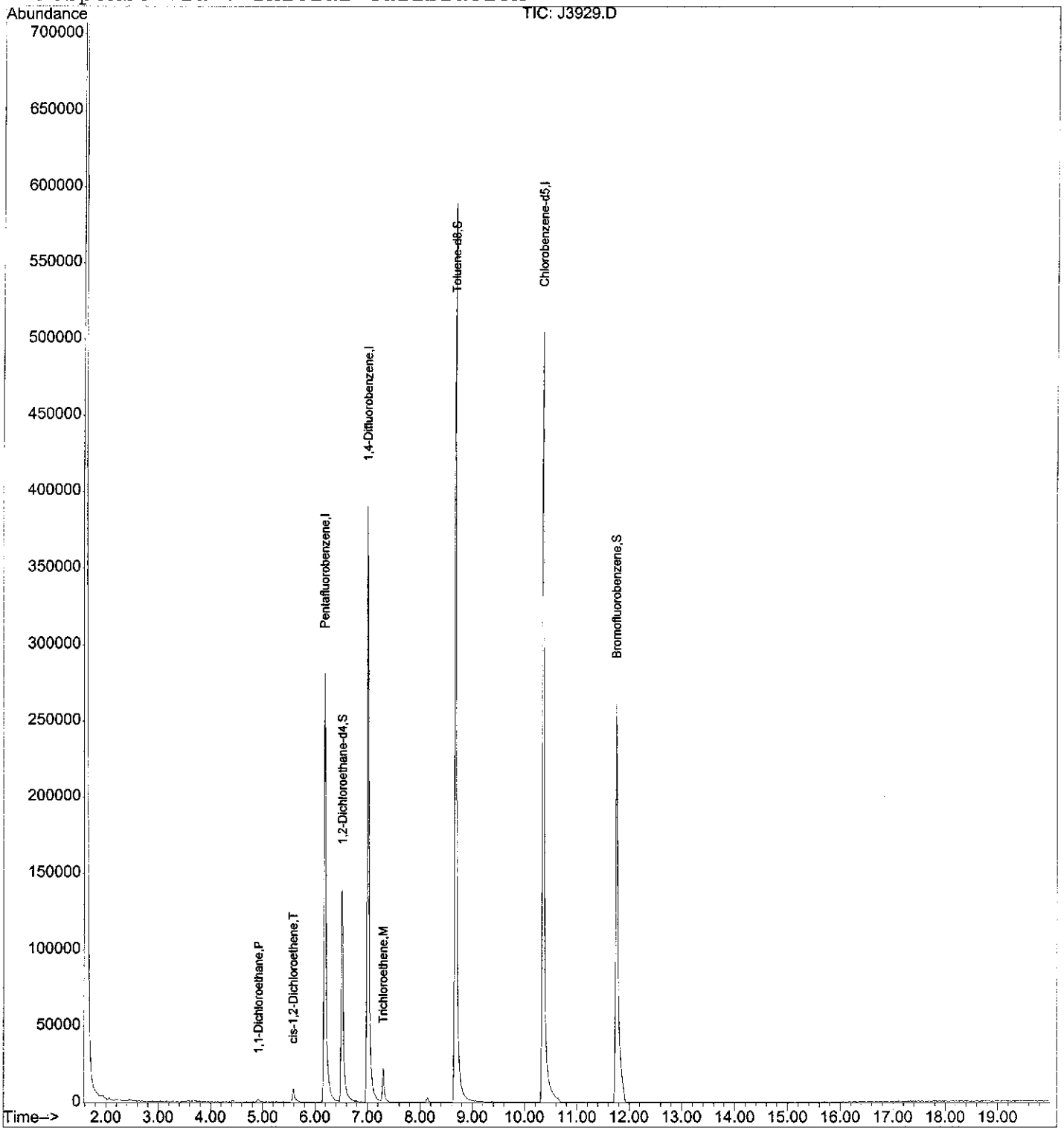
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	246336	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	423757	50.00	UG	0.01
50) Chlorobenzene-d5	10.34	117	444931	50.00	UG	0.01
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	160437	47.17	UG	0.02
Spiked Amount 50.000	Range 43 - 133		Recovery = 94.34%			
41) Toluene-d8	8.67	98	551552	50.51	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 101.02%			
59) Bromofluorobenzene	11.75	95	191571	35.29	UG	0.02
Spiked Amount 50.000	Range 23 - 145		Recovery = 70.58%			
Target Compounds						Qvalue
18) 1,1-Dichloroethane	4.92	63	2541	0.58	UG	# 99
20) cis-1,2-Dichloroethene	5.58	96	5271	1.76	UG	# 99
33) Trichloroethene	7.30	95	10242	2.22	UG	88

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3929.D Vial: 16
Acq On : 27 Jul 2009 4:12 pm Operator: BINXU
Sample : PTW-2,07112-010,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/16/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 28 14:30 2009 Quant Results File: JAW0723.RES

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3930.D Vial: 17
Acq On : 27 Jul 2009 4:40 pm Operator: BINXU
Sample : DUP(071509),07112-011,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 17:00:39 2009 Quant Results File: JAW0723.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration
DataAcq Meth : JAW0723

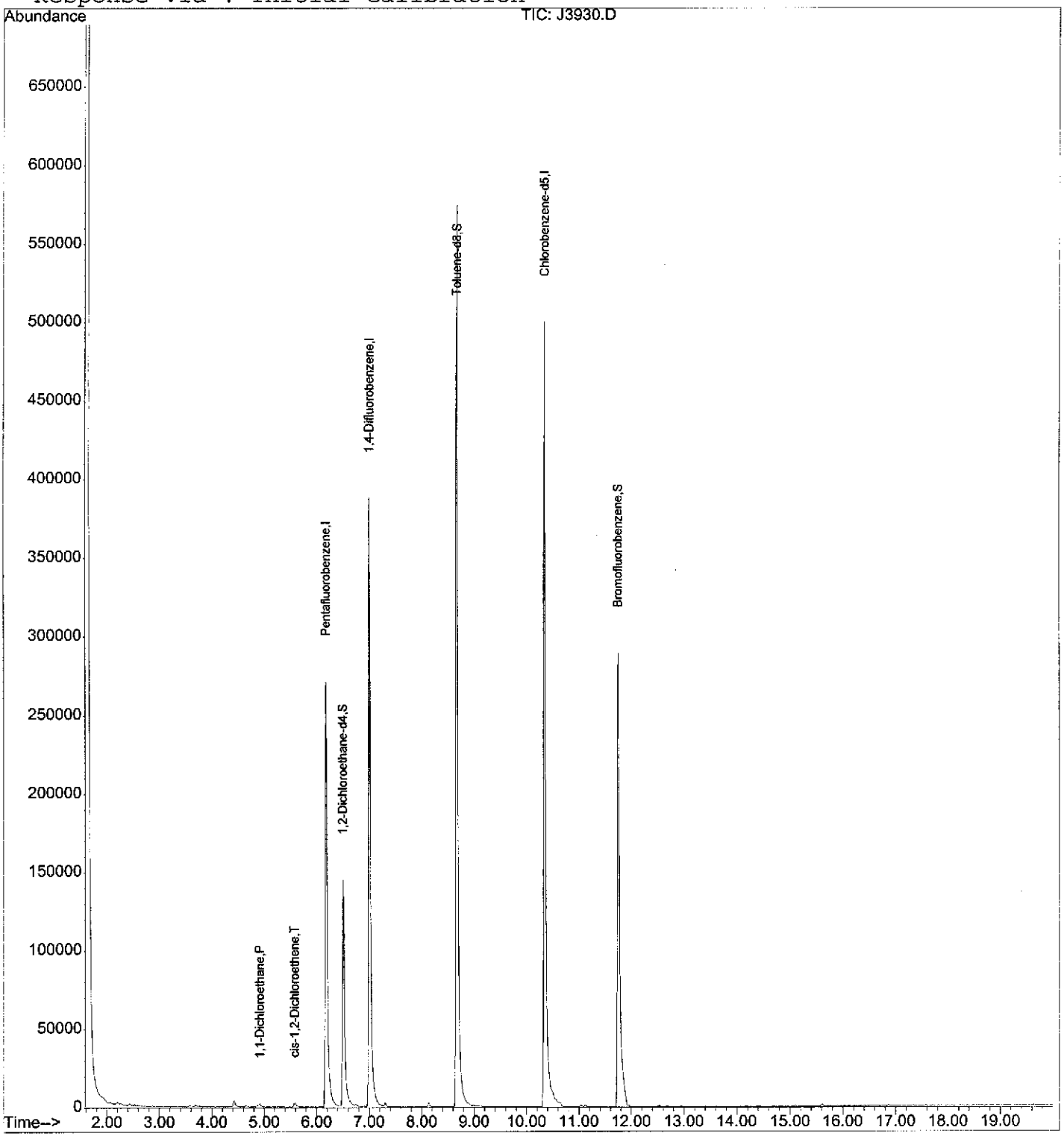
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.18	168	231522	50.00	UG		0.01
31) 1,4-Difluorobenzene	7.00	114	411193	50.00	UG		0.01
50) Chlorobenzene-d5	10.34	117	431653	50.00	UG		0.01
System Monitoring Compounds							
30) 1,2-Dichloroethane-d4	6.51	65	163793	51.23	UG		0.01
Spiked Amount 50.000	Range 43 - 133		Recovery = 102.46%				
41) Toluene-d8	8.67	98	533423	50.34	UG		0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 100.68%				
59) Bromofluorobenzene	11.75	95	193781	36.79	UG		0.02
Spiked Amount 50.000	Range 23 - 145		Recovery = 73.58%				
Target Compounds							Qvalue
18) 1,1-Dichloroethane	4.92	63	2286	0.55	UG		98
20) cis-1,2-Dichloroethene	5.59	96	1858	0.66	UG	#	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3930.D Vial: 17
Acq On : 27 Jul 2009 4:40 pm Operator: BINXU
Sample : DUP(071509),07112-011,A,5ml,100 Inst : MSD_J
Misc : ARCADIS/KINGS_ELEC,07/15/09,07/17/09, Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 28 14:31 2009 Quant Results File: JAW0723.RES

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3918.D Vial: 5
Acq On : 27 Jul 2009 10:59 am Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 11:19:34 2009 Quant Results File: JAW0723.RES

Quant Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Jul 24 10:48:04 2009
Response via : Initial Calibration
DataAcq Meth : JAW0723

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	233328	50.00	UG	0.01
31) 1,4-Difluorobenzene	7.00	114	402761	50.00	UG	0.01
50) Chlorobenzene-d5	10.34	117	413907	50.00	UG	0.01
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.52	65	158373	49.01	UG	0.02
Spiked Amount 50.000	Range 43 - 133		Recovery = 98.02%			
41) Toluene-d8	8.67	98	509738	49.27	UG	0.01
Spiked Amount 50.000	Range 39 - 137		Recovery = 98.54%			
59) Bromofluorobenzene	11.75	95	189051	38.12	UG	0.02
Spiked Amount 50.000	Range 23 - 145		Recovery = 76.24%			

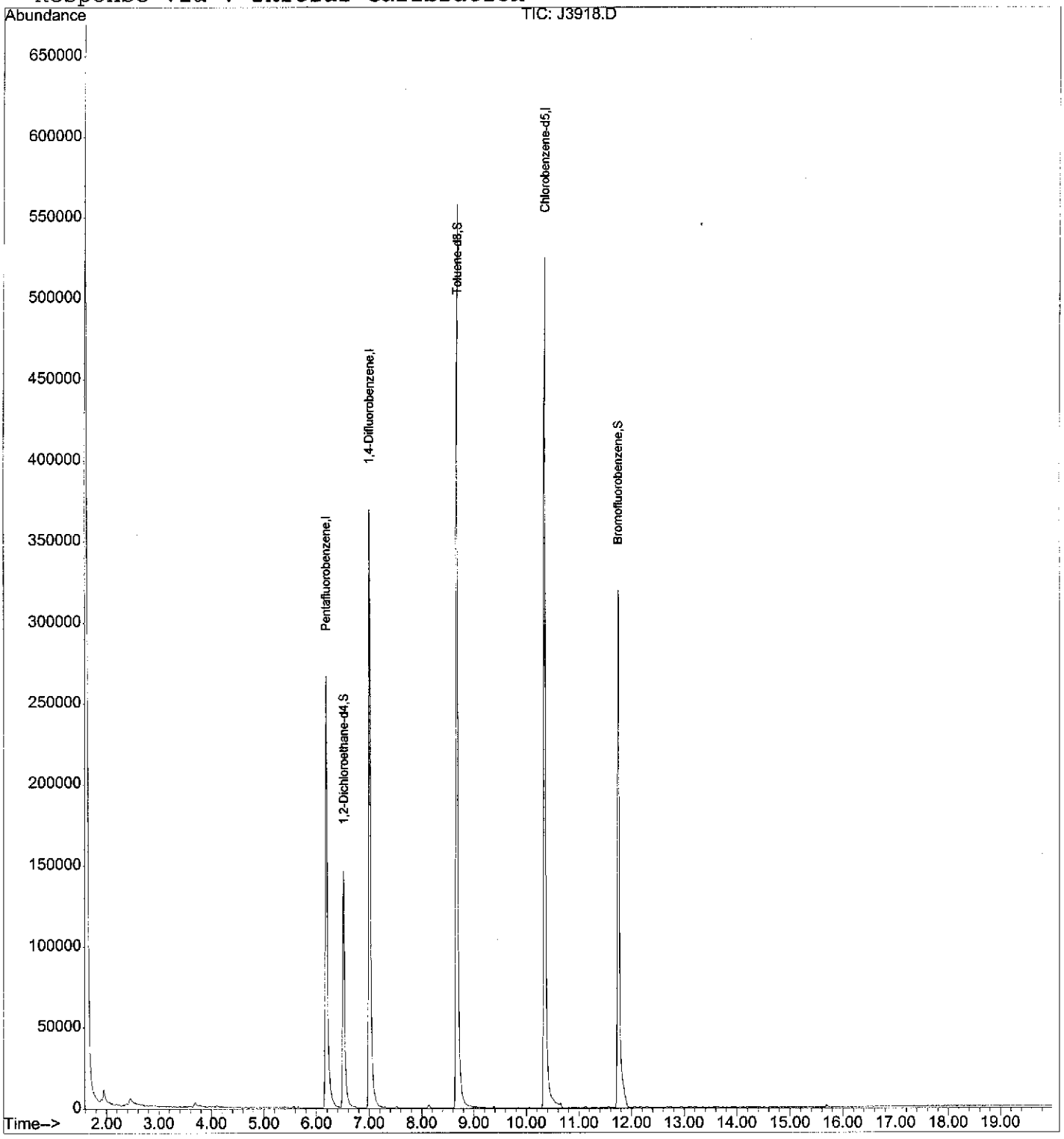
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\07-27-09\J3918.D Vial: 5
Acq On : 27 Jul 2009 10:59 am Operator: BINXU
Sample : NA,METHOD-BLK,A,5ml,100 Inst : MSD_J
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 16:46 2009 Quant Results File: JAW0723.RES

Method : C:\MSDCHEM\1\METHODS\JAW0723.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Mon Jul 27 15:15:18 2009
Response via : Initial Calibration



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
Project Manager:	ERIC RODRIGUEZ
Sampler:	V. Myers, D. Kirschner
Project Name:	Kings Electronics
Project Location (State):	Tuckahoe, NY
Bottle Order #:	B02472
Quote # :	

REPORTING INFO	
REPORT TO:	E. RODRIGUEZ
Address:	1 International Blvd. Mahwah, NJ 07495
Attn:	ERIC RODRIGUEZ
FAX #	201.684.1420
INVOICE TO:	E. RODRIGUEZ
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 **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	EDD's
Results Only	SRP. dbf format
Reduced	SRP.wk1 format
Regulatory - 15% Surcharge applies	lab approved custom EDD
Other (describe)	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

ANALYTICAL PARAMETERS

 # BOTTLES & PRESERVATIVES

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	VOC Cis 1,2 DCE	HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
FB(071509)		7/15/09	9:00	FB	2	1	2	2							
TB(071509)		7/15/09	8:00	TB	1	2	1	1							
FB(071609)		7/16/09	9:30	FB	2	3	2	2							
GP-103R		7/16/09	9:07	AQ	2	4	2	2							
MW-9D		7/15/09	11:32	AQ	2	5	2	2							
MW-9SR		7/15/09	10:32	AQ	2	6	2	2							
MW-6S		7/15/09	11:27	AQ	2	7	2	2							
MW-13R		7/15/09	10:37	AQ	2	8	2	2							
GP-104R		7/16/09	9:40	AQ	2	9	2	2							
PTW-2		7/16/09	10:42	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
Relinquished by: Joseph Evans	7/17/09	10:25	Received by:
Relinquished by:	7/17	1645	Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case # 07112

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:	V. Myers D. Kirschner
Project Name:	Kings Electronics
Project Location (State):	Tuckahoe, NY
Bottle Order #:	B026T2
Quote # :	

REPORTING INFO	
REPORT TO:	ARCADIS - US.
Address:	1 International Blvd. Mahwah, NJ 07495
Attn:	E. Rodriguez
FAX #	201.684.1420
INVOICE TO:	ARCADIS - US
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 — **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

ANALYTICAL PARAMETERS

Cooler Temp 4 °C

 # BOTTLES & PRESERVATIVES

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

Client ID	Depth (ft. only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	VOC GC/MS 1,2DCE	HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
DUP(071509)		7/15/09	—	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:	7/17	10:25	Received by:
Relinquished by:	7/17	1645	Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case # 07112

PAGE: 2 of 2

WHITE & YELLOW; CLIENT COPY - PINK

PROJECT INFORMATION

E09-07112

Case No. E09-07112 **Project** KINGS ELECTRONICS - VENDOR #1168636

Customer	Arcadis Geraghty & Miller	**P.O. #**	NJ000423.0005.000(
Contact	Eric Rodriguez	**Received**	7/17/2009 16:45
EMail	eric.rodriguez@arcadis-us.com ☐ EMail EDDs	**Verbal Due**	7/31/2009
Phone	(201) 684-1410 **Fax** 1(201) 684-1420	**Report Due**	8/7/2009

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
07112-001	FB(071509)	n/a	7/15/2009@09:00	Aqueous	ug/L	2
07112-002	TB(071509)	n/a	7/15/2009	Aqueous	ug/L	1
07112-003	FB(071609)	n/a	7/16/2009@09:30	Aqueous	ug/L	2
07112-004	GP-103R	n/a	7/16/2009@09:07	Aqueous	ug/L	2
07112-005	MW-9D	n/a	7/15/2009@11:32	Aqueous	ug/L	2
07112-006	MW-9S	n/a	7/15/2009@10:32	Aqueous	ug/L	2
07112-007	MW-6S	n/a	7/15/2009@11:27	Aqueous	ug/L	2
07112-008	MW-13R	n/a	7/15/2009@10:37	Aqueous	ug/L	2
07112-009	GP-104R	n/a	7/16/2009@09:40	Aqueous	ug/L	2
07112-010	PTW-2	n/a	7/16/2009@10:42	Aqueous	ug/L	2
07112-011	DUP(071509)	n/a	7/15/2009	Aqueous	ug/L	2

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

07/23/2009 09:19 by kim - REV 1

Please change sample ID for Sample 006 from MW-9SR to MW-9S, 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 09** **07112** 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 7/17/09

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 KN DATE 7/20/09

Laboratory Custody Chronicle

IAL Case No.

E09-07112

Client Arcadis Geraghty & Miller

Project KINGS ELECTRONICS - VENDOR #1168636

Received On 7/17/2009@16:45

Department: Volatiles			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
PP VOA + Cis 1,2-DCE	07112-001	Aqueous	n/a	n/a	7/27/09	Xing
"	-002	"	n/a	n/a	7/27/09	Xing
"	-003	"	n/a	n/a	7/27/09	Xing
"	-004	"	n/a	n/a	7/27/09	Xing
"	-005	"	n/a	n/a	7/27/09	Xing
"	-006	"	n/a	n/a	7/27/09	Xing
"	-007	"	n/a	n/a	7/27/09	Xing
"	-008	"	n/a	n/a	7/27/09	Xing
"	-009	"	n/a	n/a	7/27/09	Xing
"	-010	"	n/a	n/a	7/27/09	Xing
"	-011	"	n/a	n/a	7/27/09	Xing

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

ARCADIS

Appendix C

Well Inspection Forms

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 0.3 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	19.31'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	10.37'	
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 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 automtive garage in pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):
Automotive garage (off-site).

REMARKS:
One bolt missing

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.0000
INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009
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 1.2 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	19.5'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.23'	
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 middle builiding 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.: NJ000423.0005.0000
INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009
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	Not Measured	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	39.0'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.51'	
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 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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 0.5 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	19.5'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	12.21'	
MEASURE WELL DIAMETER (Inches):	2.0"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Yes	
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 facilty 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:

One bolt bent

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 1.3 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	14.83'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.67'	
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 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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 1.4 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	14.88'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.17'	
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:
One bolt missing

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 0.3 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	9.76'	
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 facilty.

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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009
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:

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 20.9 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	19.85'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.96'	
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 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:
None

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 31.9 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	9.72'	
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 steel box in pavement.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):
Automotive garage (off-site).

REMARKS:
No bolts

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 30.1 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	16.65'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.49'	
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:
No Bolts

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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:		
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 23.5 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	Flushmount unit	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	Steel	
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):	18.77'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.41'	
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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 20.3 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	22.31'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	12.35'	
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.):
Sidewalk salts and deicer.

REMARKS:
None

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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	Not Collected	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	2.24'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	12.35'	
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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 20.6 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	22.02'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	12.07'	
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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 21.3 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	18.65'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	8.78'	
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 builiding.

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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 22.3 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	18.65'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.27'	
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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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	Not Collected	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	19.25'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.41'	
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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 23.6 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	16.91'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	8.73'	
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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 30.1ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	17.15'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	8.50'	
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 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 facilty

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):
None observed

REMARKS:
No bolts

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

WELL ID.: **GP-106R2**

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 18.1 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	21.15'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	10.65'	
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 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:

None

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 39.3 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	19.47'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	10.05'	
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:
One bolt bent

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 25.3 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	18.62'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.21'	
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 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:
No bolts

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 35.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	19.97'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	8.11'	
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:
No bolts

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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	Not Collected	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	18.20'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	8.32'	
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:
No bolts

SITE NAME: Former Kings Electronics Co., Inc. Site

SITE ID.: NJ000423.0005.00001

INSPECTOR: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

WELL ID.: **IW-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:	IW-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 39.3 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	12.16'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	3.41'	
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.

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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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:		
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 39.3 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	13.85'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.85'	
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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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	Not Collected	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	18.63'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	8.74'	
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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 23.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	19.34'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.63'	
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 facilty.

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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 3.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	18.75'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	10.15'	
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 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: Dustin Kirschner

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: January 20, 2009

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 22.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA	
PROTECTIVE CASING MATERIAL TYPE:	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):	18.64'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.08'	
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